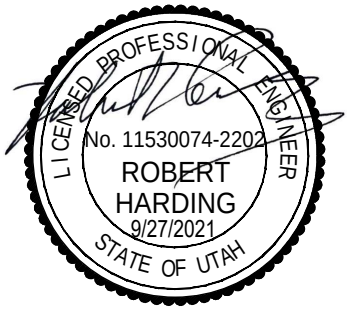
Jacobs

Juab County and Southern Utah County Water Supply and Infrastructure Plan Formulation Project

Plan Formulation Phase II Final Report Appendix



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September 27, 2021

Central Utah Water Conservancy District

CENTRAL UTAH WATER
CONSERVANCY DISTRICT

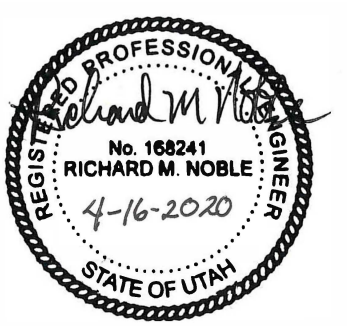
Appendix A
Tasks 5 & 6 Supply and Demand TMs

MEMORANDUM

DATE: April 16, 2020

TO: David Pitcher, P.E., Assistant General Manager
Central Utah Water Conservancy District
1426 E. 750 N. Suite 400
Orem, UT 84097

THROUGH: Robert Harding, P.E.
Jacobs Engineering Group
4246 S. Riverboat Rd, Ste 210
Taylorsville, UT 84123



FROM: Richard Noble, P.E.
Hansen, Allen & Luce, Inc. (HAL)
859 West So. Jordan Pkwy – Suite 200
South Jordan, Utah 84095

SUBJECT: Juab County and South Utah County Water Supply & Infrastructure Plan Formulation Project, Tasks 5 & 6 Technical Report – Juab County

PROJECT NO.: 078.06.100

PURPOSE

This memorandum provides a summary of results for Task 5 – Water Supply and Task 6 – Water Demands of the Juab County and South Utah County Water Supply & Infrastructure Plan Formulation Project (Plan Formulation Project). This summary focuses on the Juab County results. Results for the south Utah County area are summarized in a separate technical memorandum. The Juab County project area includes Mona, Nephi, Rocky Ridge, and surrounding areas. Study areas for each community were selected to include the proposed annexation boundaries of the city and the irrigation company lands associated with that particular community.

Tasks 5 and 6 will establish a baseline of existing and projected water supplies and demands for the Plan Formulation Project. Once existing supplies and future demands are established, water supply portfolios and infrastructure needed to fill any gaps and to enable a reliable future water supply for the Region can be evaluated under subsequent tasks.

The goals of the Plan Formulation Project are to quantify dependable water supply, identify future water demand between now and 2065, determine the amount of unmet demand, and then formulate a plan and discuss with stakeholders, strategies for providing a water supply to satisfy those needs. This process will include an evaluation of alternative strategies, water sources, and required infrastructure. The Plan Formulation Project is focused primarily on M&I water needs. However, irrigated agriculture represents a large component of the total area water supply and demand and is therefore included in the analysis. Additionally, as urban development encroaches on agricultural land, a portion of the water supply that has been used for irrigation will likely be converted to municipal use to increase cities' water supply.

WATER DEMAND

Future municipal water demand is projected to increase significantly over time within the project area. There are three key drivers that influence future water demand. These include population growth, water conservation, and climate change. Current and future water demands are based on an analysis of Equivalent Residential Connections (ERCs). Current ERCs were estimated for each city based on reported water use to the State as well as reported residential connections; institutional, commercial and industrial connections; and parks and irrigated open space. Future ERCs were estimated based on population growth and future land use.

Population Growth

In 2017 the Kem C. Gardner Policy Institute at the University of Utah released population projections for the state of Utah (Kem C. Gardner Policy Institute, The University of Utah, 2017). These projections were performed on a county basis and included population projections for each decade up through 2065. The projections show that Utah's population will increase to 5.8 million by the year 2065. Utah County is projected to grow at the highest rate in the state and is projected to have a population of over 1.6 million by year 2065. Juab County's projected growth rate is only slightly lower than Utah County's (172 percent versus 177 percent). Juab County's population is projected to increase to over 30,000 by year 2065. The Kem C. Gardner Policy Institute projections were further refined for use in this analysis as described below.

Juab County Traffic Analysis Zone (TAZ) data were obtained from Utah Department of Transportation planners. These data are from a GIS dataset that projects population growth within 117 polygons or subareas of Juab County. The TAZ data were compared against county-wide projections from the Kem C. Gardner Policy Institute. The two sets of projections are within about one percent of each other. Therefore, the TAZ projections were determined to be suitable for this analysis. Since the TAZ projections only go through year 2060 they were extended to year 2065 by linear extrapolation.

The population projections as described above are used in all water demand scenarios used in this analysis.

Water Conservation

In addition to population growth, current and future water conservation efforts have an effect on water demands. For this analysis, three water conservation scenarios are used as described below.

Current Use
The Current Use scenario is based on current levels of water use as reported by the cities to UDWRi. The amount of water use per ERC varies by city based on condition of the water system, land use, water rates, and other practices and is about 350 gallons per day per ERC for indoor use and 0.5 and 0.7 acre-feet per year per ERC for outdoor use.

Conservation
The Conservation Scenario assumes that certain practices will be implemented to reduce demand. These practices include measures such as metering secondary water systems and adjusting water billing rate structures to further encourage conservation. The assumed amount of water use is 300 gallons per ERC per day (0.34 acre-feet per year) for indoor use and 0.45

acre-feet per ERC per year for outdoor use (0.15 irrigated acres per ERC times 3 acre-feet per acre). This amount of water use is applied to all cities throughout the project area.

Growing Conservation
The Growing Conservation Scenario assumes that additional conservation measures will be implemented such as changes in land use and more aggressive water rate billing structures. These measures will result in conservation efforts that will grow or increase over time and yield water demand per ERC that will decrease over time. Under the Growing Conservation Scenario, the total demand would be reduced to about 81 percent of the Conservation Scenario by 2065.

Climate Change

One issue of concern for many water suppliers is to address climate change and its potential impact on the irrigation needs of landscapes. Hypotheses indicate that increasing temperatures and longer irrigation seasons will demand more water for the same uses (especially outdoor) relative to today. Also, less snowpack and earlier runoff are projected to limit available water supplies (Hansen, Allen & Luce, Inc., 2019).

Because of the significant uncertainty associated with climate change projections, the impact of these changes on evapotranspiration (ET) are equally uncertain. Ranges of expected increases in ET from one recent study vary from 2 percent to 17 percent (Forsyth, 2017). For the purposes of this analysis, a 10 percent increase in ET rates as a result of climate change has been included in the water demand calculations for each of the water conservation scenarios. It is assumed that this increase will occur linearly between 2015 and 2065.

Demand Scenarios

Based on the three key demand drivers described above, three demand scenarios are used in this analysis. These scenarios are Current Use, Conservation, and Growing Conservation. Figure 1 shows how water demand is projected to vary over time under each of these scenarios for Juab County. As shown in the figure, the current municipal water demand is about 3,800 acre-feet per year. By 2065 this demand could increase to as much as 9,600 acre-feet per year, depending on the scenario.

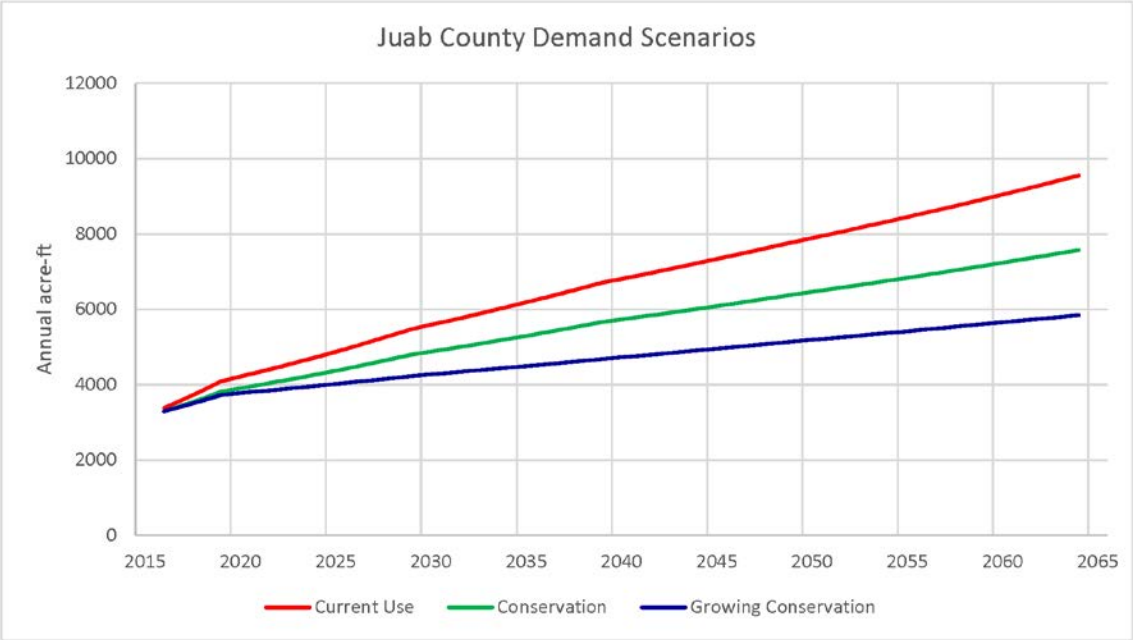


Figure 1 – Juab County Demand Scenarios

DEPENDABLE WATER SUPPLY

In order to ensure that water systems are sufficiently resilient against the effects of drought, the dependable water supply is based on a critical low flow period. This low flow period is defined by the State of Utah Administrative Code (State of Utah, 2019) as follows:

> *"The quantity of water from surface sources shall be assumed to be no greater than the low flow of a 25-year recurrence interval or the low flow of record for these sources when 25 years of records are not available."*

Therefore, for surface water supplies from streams, the critical dry period is defined as 25-year low flow based on historical records. For springs and groundwater supplies, the dependable water supply is based on observed production of water sources in similar dry years. The project area receives its water supply from three types of sources. These sources include springs, wells, and stream flows/irrigation company shares.

Springs

Both Mona and Nephi rely on springs as a source of water supply. Some springs provide a steady, reliable water supply, regardless of current hydrologic conditions. Other springs provide very little or no water supply in dry years. Estimates of the dependable water supply for each city from springs are based on historical spring production records as described in master plan reports or from conversations with city personnel. As it relates to this study, dependable water supply from springs is assumed to be a fixed amount that will not increase over time.

Wells

Wells provide a significant portion of cities' current water supply, particularly for drinking water. However, just as surface water is limited, the amount of water supply available from groundwater aquifers is also limited. The current dependable water supply from wells is assumed to be the

amount of water produced by wells during 2018 as reported to the Utah Division of Water Rights (UDWRi). Each year cities report the total amount of water used within the city and the amount of water produced by each source to the UDWRi. Year 2018 was a very dry year with surface conditions similar to a 25-year low flow event.

Additional future wells and well discharges are assumed to be added over time to increase the water supply from groundwater. In Juab County two scenarios were evaluated, with and without the conversion of irrigation water to municipal use. For the scenario with conversion of irrigation water, it is assumed that new wells would be constructed and surface irrigation water rights for a portion of the agricultural land would be changed to groundwater. The new well capacity is assumed to increase at a rate of 0.125 acre-feet per capita of increased population. For the south Utah County area, a groundwater study (Hansen, Allen & Luce, Inc., 2020) was conducted to estimate the safe yield of the Juab Valley Aquifer. Based on study results, the safe yield of the aquifer is approximately 22,700 acre-feet annually. Comparing the safe yield against 2018 groundwater withdrawals results in a remaining safe yield of about 6,500 acre-feet per year. A portion of the remaining safe yield was allocated to each city based on the average recharge for that area. The remaining safe yield was used as an upper limit for future groundwater withdrawals.

In the scenario without conversion of irrigation water it was assumed that there would be no new municipal wells unless they were replacement of existing wells or developing existing water rights more fully.

Stream Flows/Irrigation Company Shares

A significant source of municipal water supply for outdoor use comes from local streams with Salt Creek being the largest in Juab County. Water from these streams is made available to cities through water rights held by the cities, by irrigation company shares owned by cities, and by irrigation shares owned by residents within the cities.

As described previously, the dependable supply is based on the 25-year recorded low flow of the stream. Where less than 25 years of recorded streamflow data are available, the dependable supply is based on the lowest recorded flow. For streams with no flow records, the 25-year low flow was estimated by comparison and correlation with other local stream gages.

The National Water Information System Mapper (U.S. Geological Survey, 2019) was used to obtain historical stream flow records. The period of record and available gage data were checked for each active and inactive surface-water gage within the study area. Gages which did not record streamflow were not evaluated. Daily average discharge was downloaded for the period of record for the gages seen below in Table 1. The average daily discharges were converted to daily volumes and were summarized by month and year. For gages which had less than 25 years of record, the low year of record was established as the 25-year low. For gages that had more than 25 years of record, the years were ranked based on their dryness and the 25-year low was calculated using the statistical recurrence interval.

Table 1. Stream Flow Gage Data and Estimated 25-Year Low Flow Volumes

Juab County 25-year Low Flow Estimated Surface Volumes							
Gage No	Serves	Gage Name	Area (mi^2)	Period of Record	Years of Record	Average annual volume (AF/yr)	25-year annual low volume (AF/yr)
10219200	Levan	CHICKEN NR LEVAN	27.9	1962-1995	33	5,621	716
Ungaged[1]	Levan	Pigeon Creek	14	N/A	N/A	N/A	359
10146400	Mona	CURRANT NR MONA[2]	225	1978-pres	40.8	15,951	2,239
Ungaged[1]	Mona	Willow Creek , Right Fork	5.18	N/A	N/A	N/A	1,477
Ungaged[1]	Mona	Willow Creek , Left Fork	1.61	N/A	N/A	N/A	485
Ungaged[1]	Mona	Couch Creek	0.71	N/A	N/A	N/A	217
Ungaged[1]	Mona	Bear Canyon Creek	2.1	N/A	N/A	N/A	628
Ungaged[1]	Mona	North Canyon	4.69	N/A	N/A	N/A	1,348
10146000	Nephi	SALT CRK AT NEPHI	81	'51-'80, '94-pres	54.8	17,387	6,500
Juab County Total							11,730

[1] Ungaged streams annual volume estimated based on area-weighted discharge/contributing area of similarly sized basins.

[2] Currant Creek was not used in supply estimates.

Four gaged streams, (Maple Creek, Payson Creek, Chicken Creek, and Summit Creek) having contributing areas of less than 28 square miles were selected to represent the hydrologic conditions of the ungaged streams. For these streams, the average discharge was divided by the contributing area. For ungaged streams, the discharge per square mile was determined using this best fit logarithmic curve of discharge versus contributing area. The annual volume was calculated based on the calculated discharge per square mile. For all ungaged streams, the distribution of the annual volume was assumed to match the average distribution of Maple Creek, Payson Creek, and Summit Creek. A summary of the 25-year low for each gaged and ungaged stream can be found in Table 2.

Table 2. Stream Flow 25-Year Low Flow Monthly Volumes

Juab County 25-year Low Flow Estimated Surface Volumes															
Gage Name	25-Year Low[2]	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Irr. Season
CHICKEN NR LEVAN	1990, 1992	24	17	76	184	111	65	54	67	33	42	28	14	716	556
Pigeon Creek[1]	N/A	29	26	30	50	64	30	27	22	20	21	20	20	359	234
CURRANT NR MONA[3]	2015, 2016	354	347	396	306	187	134	72	26	19	66	142	189	2,239	811
Willow Creek , Right Fork[1]	N/A	118	105	124	207	263	124	110	91	81	87	83	84	1,477	963
Willow Creek , Left Fork[1]	N/A	39	35	41	68	86	41	36	30	27	29	27	28	485	316
Couch Creek[1]	N/A	17	15	18	30	39	18	16	13	12	13	12	12	217	141
Bear Canyon Creek[1]	N/A	50	45	53	88	112	53	47	39	34	37	35	36	628	410
North Canyon[1]	N/A	108	96	113	189	240	113	101	83	74	79	76	76	1,348	879
SALT CRK AT NEPHI	2002, 2015	371	361	431	769	1,395	1,140	526	332	283	300	274	318	6,500	4,746
Juab County Total		756	699	885	1,587	2,308	1,585	917	676	564	608	556	588	11,730	8,246

[1] Ungaged streams annual volume estimated based on area-weighted discharge/contributing area of similarly sized basins. Monthly distribution of annual volume

[2] Years which approximate and bound the statistical 25-year low.

[3] Currant Creek was not used in supply estimates.

Many irrigation companies have water sources other than streams to supplement their water supply. These sources include springs and wells. Where irrigation companies have supplemental sources, the dependable supply was estimated based on the yield per share as determined by UDWRi.

In the future, cities will likely acquire additional water supplies as agricultural land is converted to urban use. Conversion of agricultural land is estimated to occur at a rate of 0.17 acres per capita of increased population. As agricultural land converts, it is assumed that the water supply from that land will be transferred to the cities. For purposes of this analysis, acquired irrigation shares are assumed to first be converted to groundwater rights through the UDWRi change application process. Acquired irrigation shares in excess of those converted to groundwater are assumed to

be available to cities under the category “Stream Flows/Irrigation Company Shares.”

In Juab County there are about 15,400 acres of irrigated land in the Mona and Nephi areas. In the scenario with conversion of irrigation water there would be a decrease of approximately 2,030 acres of agricultural land.

Total Dependable Water Supply

As shown in Figure 2, Juab County’s current dependable municipal water supply is about 4,500 acre-feet per year. Without conversion of irrigation water this annual dependable supply would increase to about 7,800 acre-feet. With irrigation conversion the annual supply would increase to about 11,700 acre-feet as shown in Figure 3.

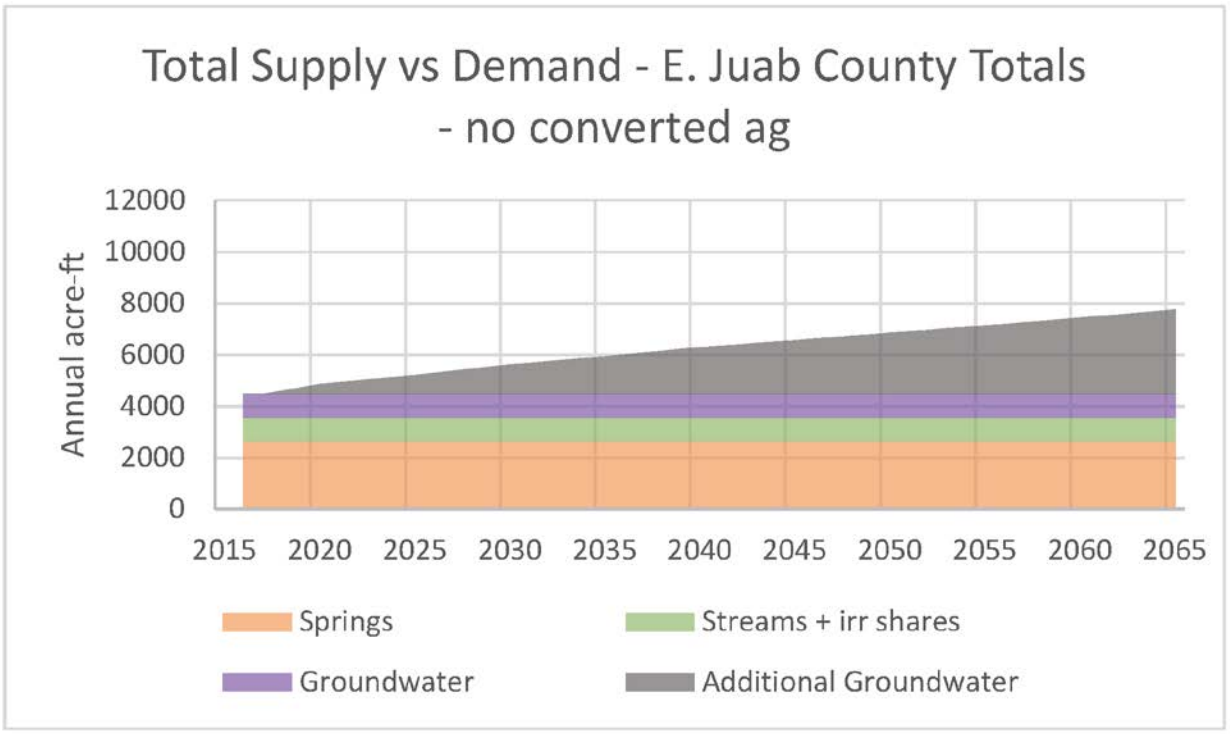


Figure 2 - Juab County Dependable Water Supply Without Agricultural Water Conversion

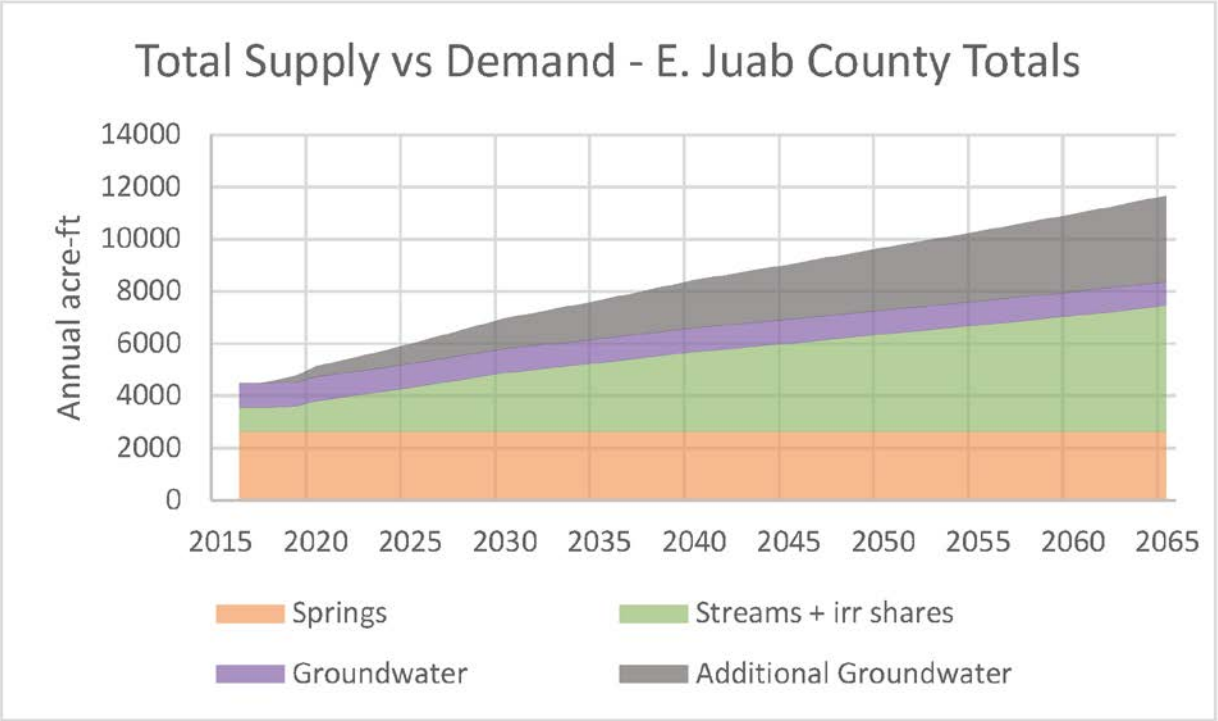


Figure 3 - Juab County Dependable Supply With Agricultural Water Conversion

JUAB COUNTY COMPARISON OF SUPPLY AND DEMAND

Figure 4 shows the comparison of supply and demand for Juab County without irrigation water conversion. As shown in the graph, the total water supply runs short in year 2036 for the Current Use Scenario. Under the Conservation Scenario and the Growing Conservation Scenario the water supply is adequate through year 2065.

Figure 5 shows the comparison of supply and demand for Juab County with irrigation water conversion. As shown in the graph, the total water supply appears to be adequate through year 2065 for all of the conservation scenarios.

However, Figures 4 and 5 only show results from an annual basis and do not tell the whole story. Due to the lack of storage for surface water, there are seasonal shortages that do not show up on the annual supply graphs. Also, the water supply is not equally distributed among the cities. Some cities have greater shortages than others. For that reason, supply versus demand comparisons must be made on a monthly basis for each city under the with and without irrigation water conversion scenarios. Also, water supplies suitable for indoor use were assumed to be arranged to meet and be compared against the indoor or culinary demands. The supply of untreated surface water is compared against outdoor demand. Cities with surplus indoor water supply can use the surplus to meet outdoor demands. However, outdoor water supplies cannot be used for indoor purposes without treatment.

Additional paragraphs are provided below to present a more detailed evaluation of supply and demand on a monthly basis for Year 2065. Appendix A provides similar graphs for each decade from Year 2020 through 2060.

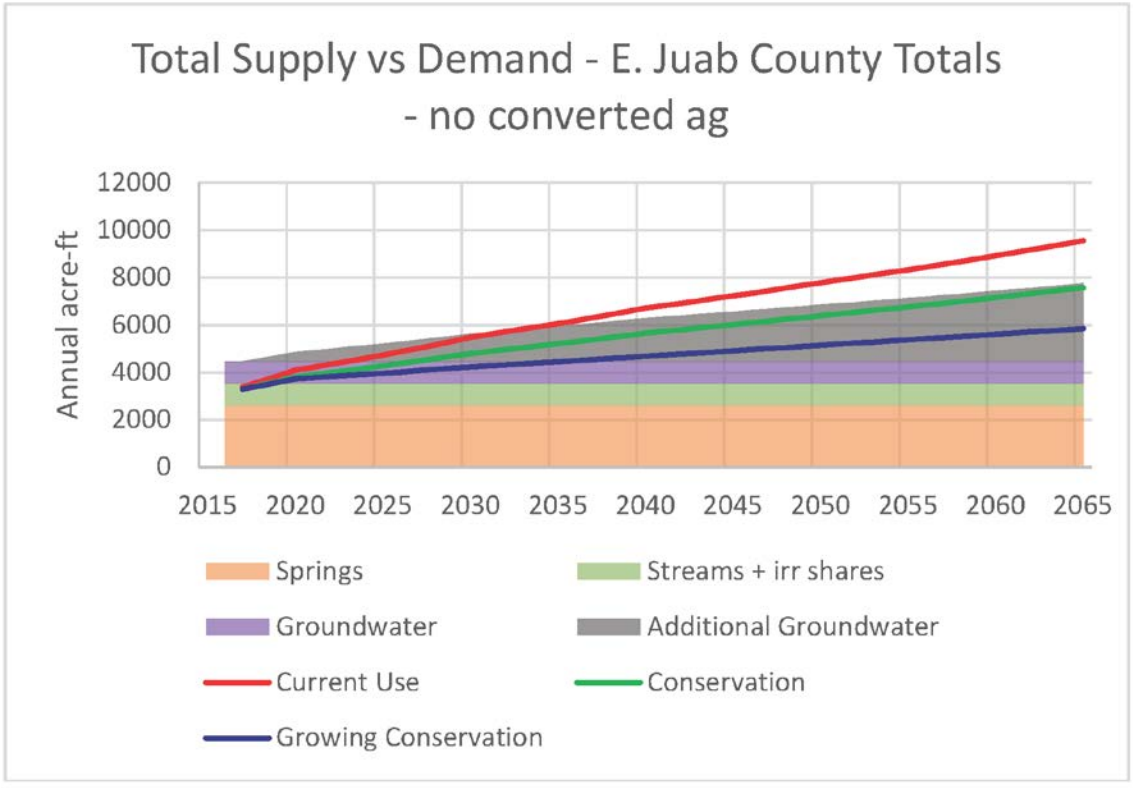


Figure 4 - Juab County Supply versus Demand Without Agricultural Water Conversion

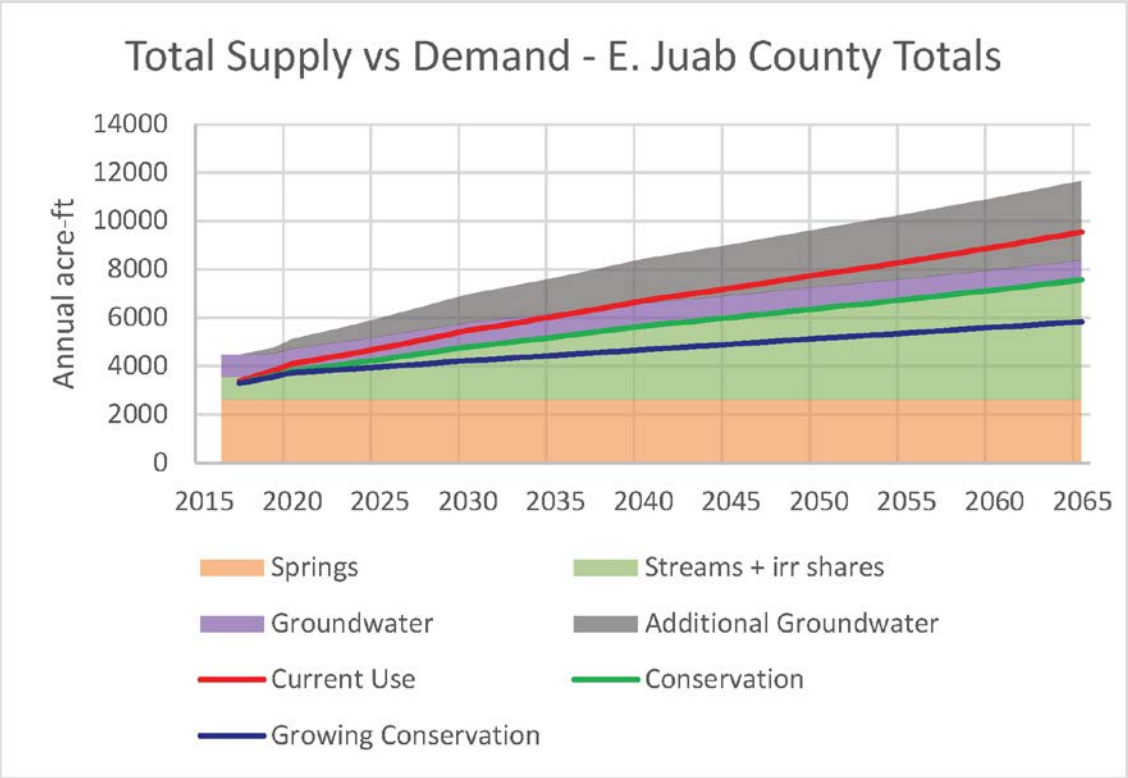


Figure 5 - Juab County Supply versus Demand With Agricultural Water Conversion

Mona

Demand

Mona is a small city in north Juab County that lies just five miles west of Mount Nebo, the highest peak in the Wasatch Mountain Range. The City has about 2,000 residents. The population is projected to double with 4,500 people by the year 2065.

Drinking water use reported to the State includes water used for outdoor irrigation for about one third of the residential connections as well as the City cemetery. The City has a secondary water system that is supplemented by Mona Irrigation water. Water from Mona Irrigation is not included in the City's reported use to the state. The use of irrigation company water and drinking water for outdoor use was taken into account when calculating ERCs for indoor and outdoor use in Mona City.

The city currently uses approximately 500 acre-feet of water which could increase to about 1,500 acre-feet in 2065 or depending on the level of conservation applied, the demand could range from 1,300 acre-feet to 1,000 acre-feet. Figure 6 shows the demand scenarios for Mona.

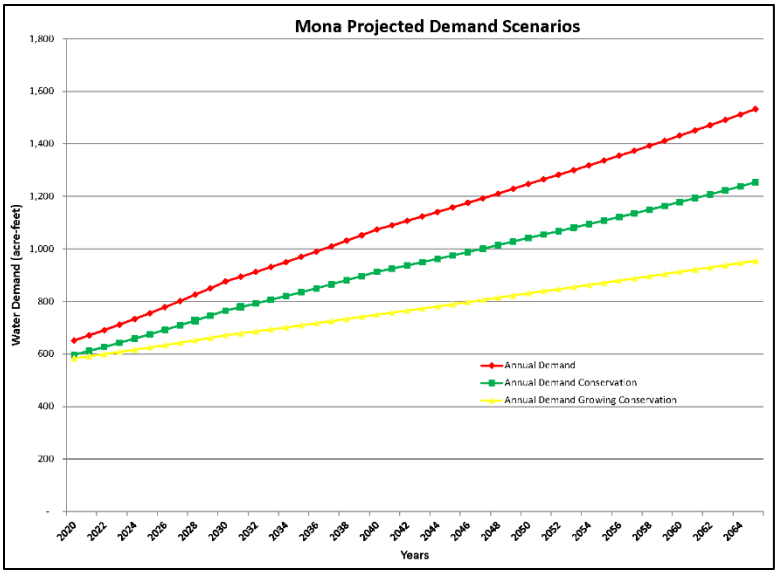


Figure 6 - Mona Demand Scenarios

Supply

Mona City's surface water right is based on three springs and one well. The springs include Small Vest, Large Vest, and Clover Creek Springs. However, due to the poor water quality from Small Vest and Large Vest Springs, the water from these springs is provided to the irrigation company in exchange for water from Clover Creek Springs. With this arrangement, Mona City receives 240 gpm from the Clover Creek Springs for culinary use. The remaining water from the springs is delivered to the Mona Irrigation Company system, which partly supplies Mona's pressurized irrigation system.

Per the water master plan, the capacity of the Mona City Well is unknown. However, the actual quantity of water that can be drawn from the well on an annual basis is limited by the water rights in the well, which currently total 203.6 ac-ft. The well has not been pumped for the last several years. Therefore, the dependable supply analysis began with Mona's well usage at zero acre-feet.

Mona has several streams which may contribute to their pressurized irrigation system or canal companies which service it. Among them include North Canyon Creek, Bear Canyon Creek, Couch Creek, and Willow Creek. The total 25-year low irrigation season volume expected from the creeks near Mona is 2,709 acre-feet. An additional 1,446 acre-feet runs off during the winter months.

Figure 7 displays monthly supply and demand graphs for Year 2065 without agricultural water conversion for Mona City. As shown in the figure, there is an adequate indoor water supply, but outdoor water supplies fall short for all demand scenarios.

Figure 8 displays monthly supply and demand graphs for Year 2065 with agricultural water conversion for Mona City. Although there is increased water supply for outdoor use, there are still shortages during most of the growing season. However, there is a surplus supply of indoor water that could be used for outdoor use.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060

for Mona City are provided in Appendix A.

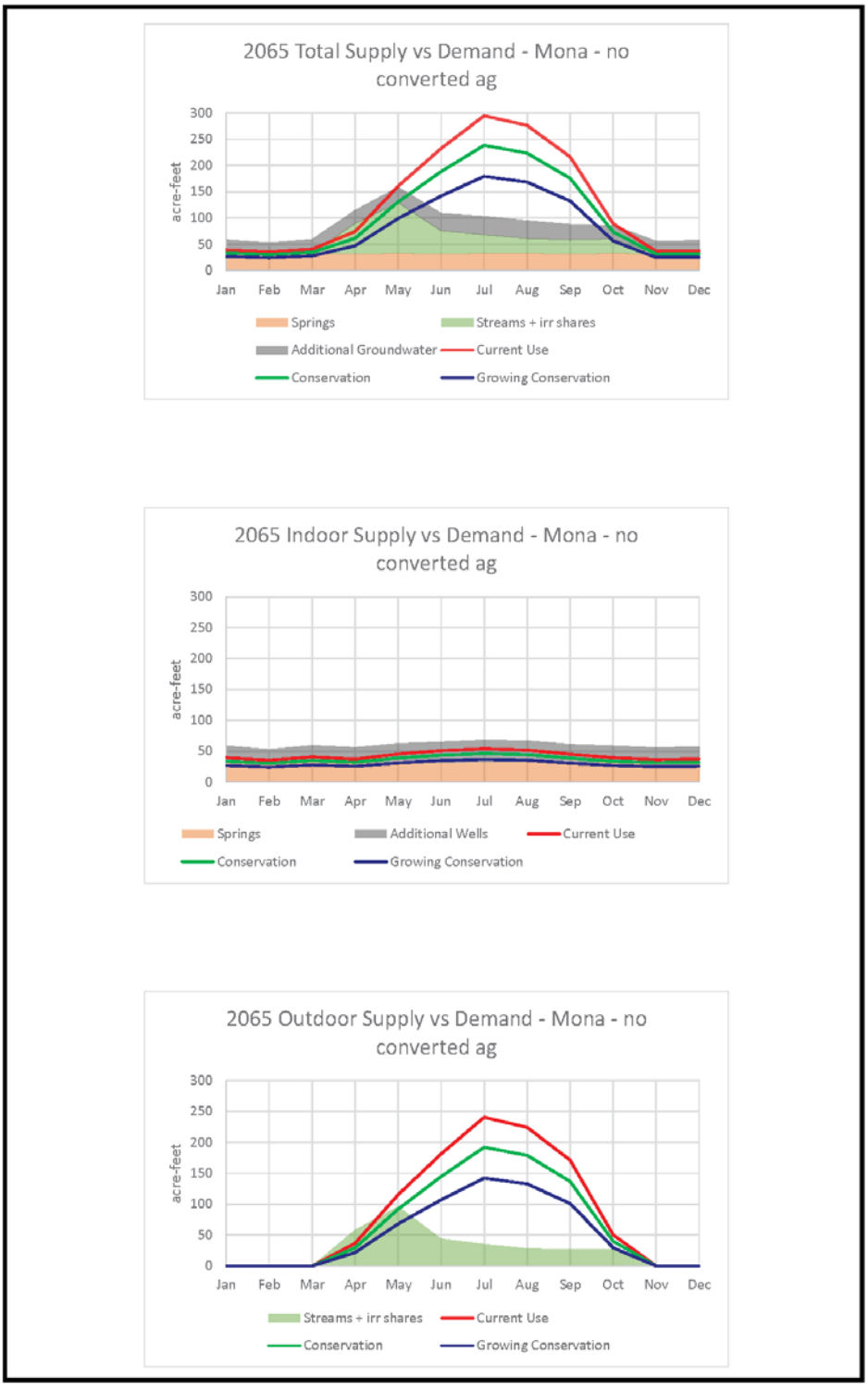
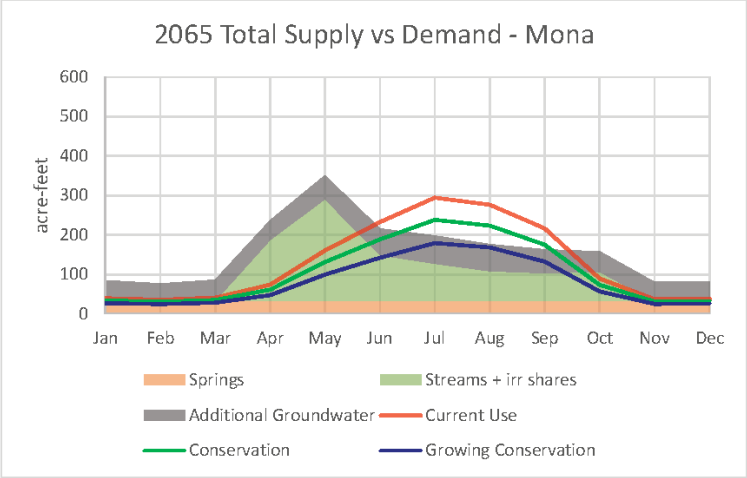
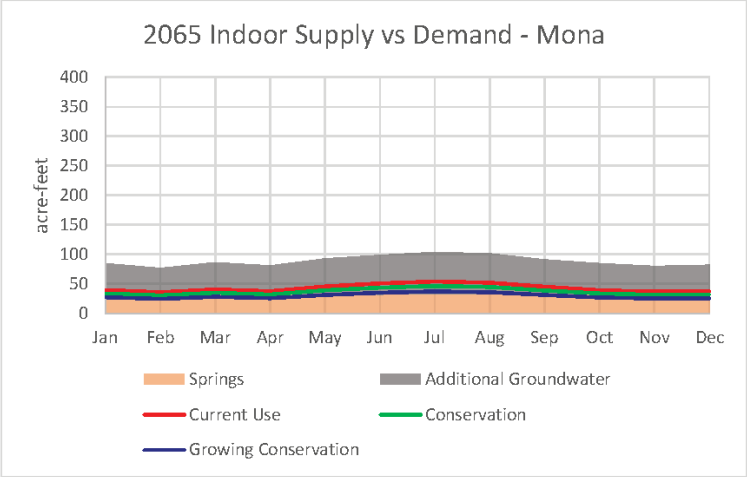


Figure 7 - Mona 2065 Supply and Demand Without Agricultural Water Conversion





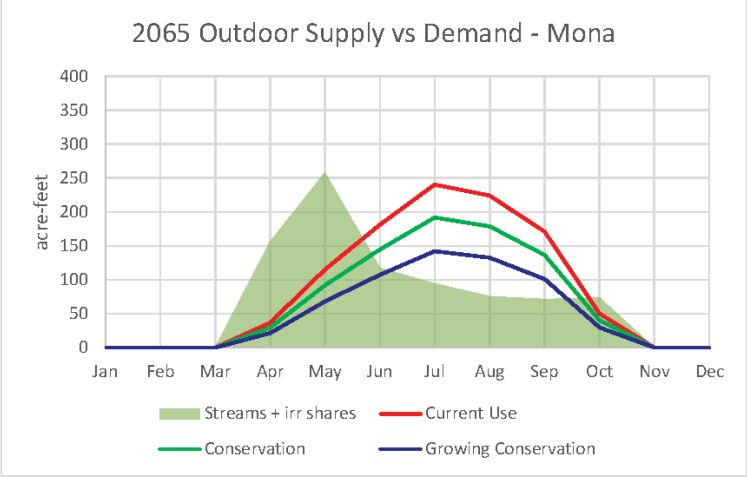


Figure 8 - Mona 2065 Supply and Demand With Agricultural Water Conversion

Nephi

Demand

Nephi is the largest city and county seat of Juab County with a current population of approximately 6,700 people that is projected to reach 16,000 people in the year 2065. Drinking water use reported to the State includes water used for outdoor irrigation and was taken into account when calculating ERCs for indoor and outdoor use in Nephi City.

It is estimated that about a third of the residential connections currently have access to City secondary water for irrigation. Drinking water is used for residential outdoor use as well as for the irrigation of the golf course, cemetery, schools, and parks. The City is not planning to expand their secondary system and future connections will use drinking water for outdoor use. It is also assumed that some water from irrigation companies is being used for residential irrigation. This use of water is not reported as City outdoor use to the State but was estimated to account for current conditions.

Nephi City is currently using about 3,000 acre-feet of water. In 2065, City demand is estimated to be 7,900 acre-feet assuming current conditions, 6,200 acre-feet assuming conservation, and 4,800 acre-feet assuming growing conservation. Figure 12 shows the demand scenarios for Nephi.

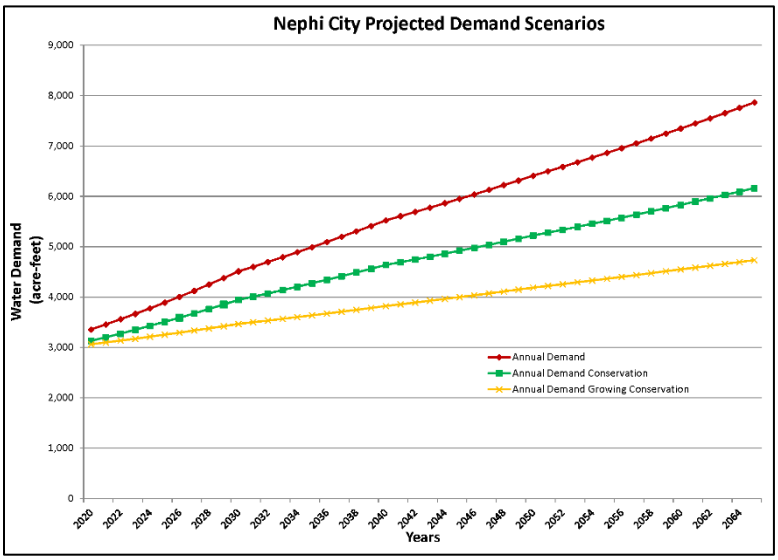


Figure 9 – Nephi Demand Scenarios

Supply

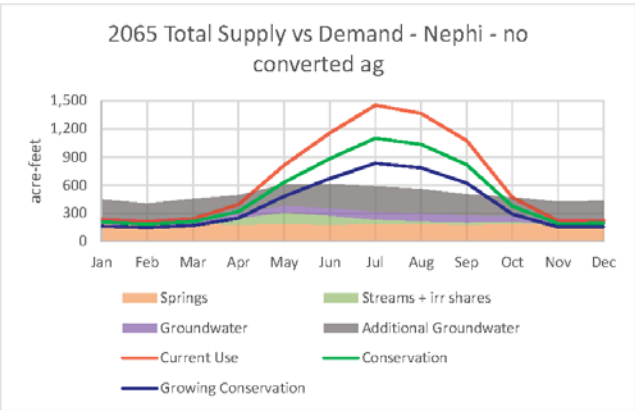
Nephi City staff has estimated that the City's springs (Upper and Lower Bradley Springs and Marsh Springs) provide a reliable minimum flow rate (during low flow conditions) of 1,900 gpm, or 3,065 acre-feet per year. The Equipment Shed Well is estimated to pump at a rate of up to 2,400 gpm. The Jones Well is available as a culinary source at a rate of up to 2,400 gpm, but it is currently being used to supplement the irrigation system in exchange for the better quality water from Bradley Springs that is allocated to the irrigation company during the irrigation season, and is not included in the source capacity totals in this report. The well use for 2018 was 1,462 acre-feet.

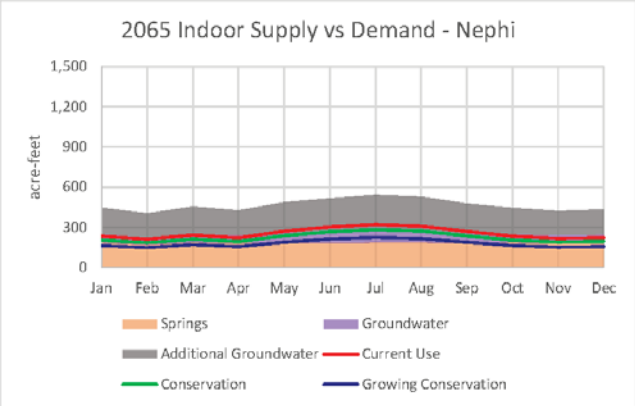
There are about 700 city lots in Nephi that are connected to the Nephi Irrigation Company's pressurized irrigation system. These lots receive their irrigation water for outdoor use through that system. Because the irrigation system has no planned expansion, it is understood that all remaining present and future connections will use culinary water for their irrigation needs.

Figure 10 displays monthly supply and demand graphs for Year 2065 without agricultural water conversion for Nephi City. As shown in the figure, indoor water supplies are adequate but outdoor water supplies fall short for all demand scenarios. However, surplus indoor supplies could be used outdoors.

Figure 11 displays monthly supply and demand graphs for Year 2065 with agricultural water conversion for Nephi City. As shown in the figure, Nephi appears to have enough water supply to meet indoor water demands in Year 2065 for all demand scenarios. The irrigation water supply for outdoor use falls short during much of the growing season for all demand scenarios. However, surplus well water could be used to satisfy a portion of outdoor demands under these two scenarios.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Nephi City are provided in Appendix A.





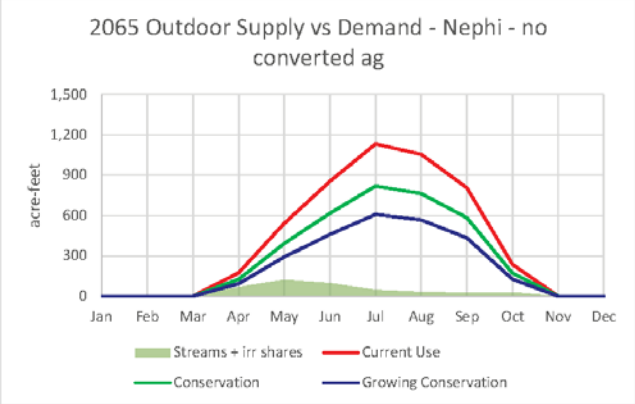


Figure 10 - Nephi 2065 Supply and Demand Without Agricultural Water Conversion

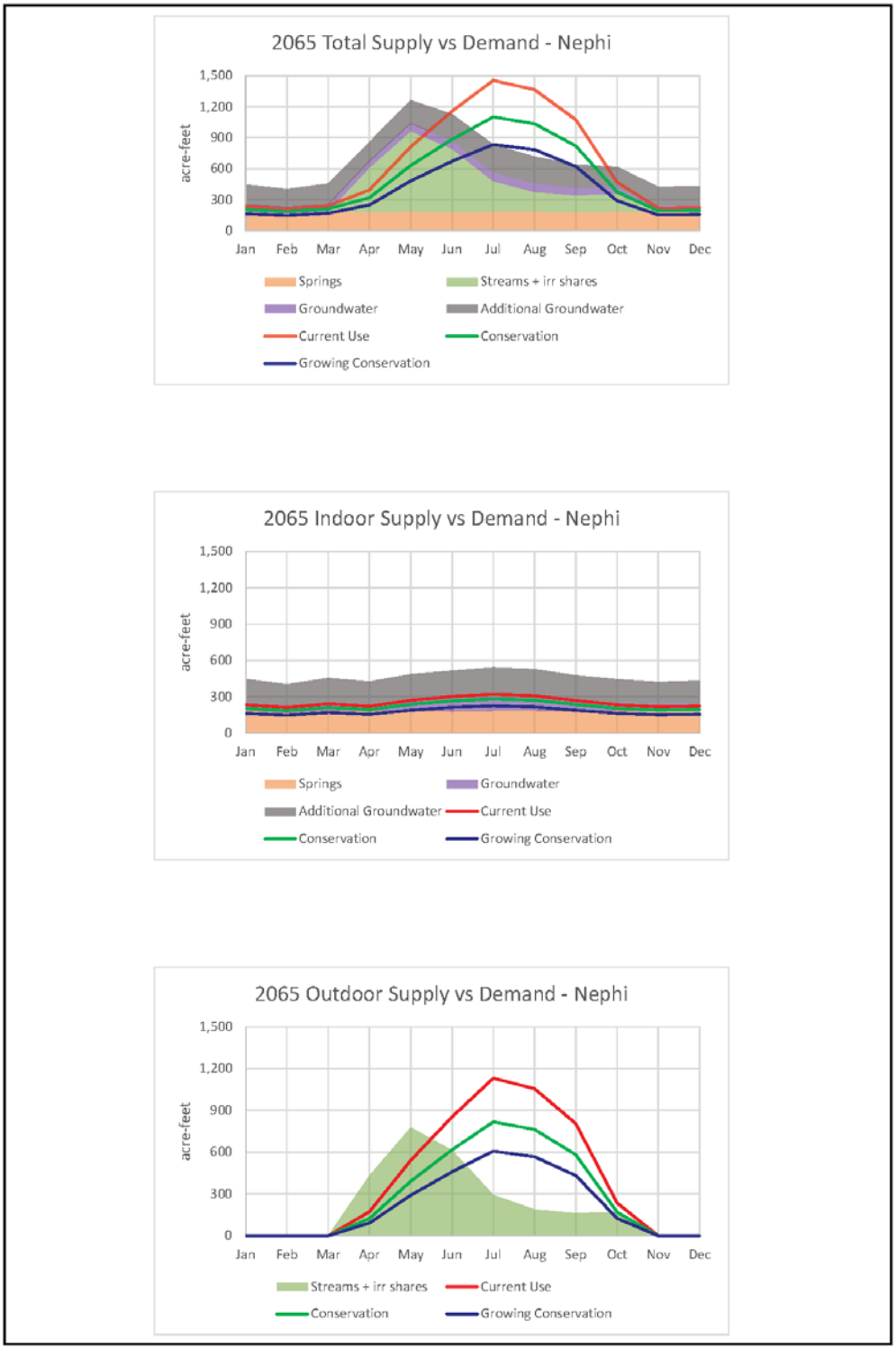


Figure 11 - Nephi 2065 Supply and Demand With Agricultural Water Conversion

Rocky Ridge

Demand
Rocky Ridge Town is situated in the foothills of the Wasatch Mountains on the north end of Juab County, just south of the Utah County border. The Town has a population of about 900 people and is projected to experience moderate growth to 1,600 people by the year 2065.

The reported number of residential connections to population is significantly lower than surrounding communities in Juab County. The reported use matches the calculated demand based on the low number of ERCs. Such low demand compared to population seems to indicate minimal outdoor watering.

Rocky Ridge currently uses about 85 acre-feet of water. In 2065, the demand is expected to be 160 acre-feet. Rocky Ridge's current water use falls well below the projected levels for the conservation and growing conservation scenarios. Therefore, only one demand scenario was used for Rocky Ridge as shown in Figure 12.

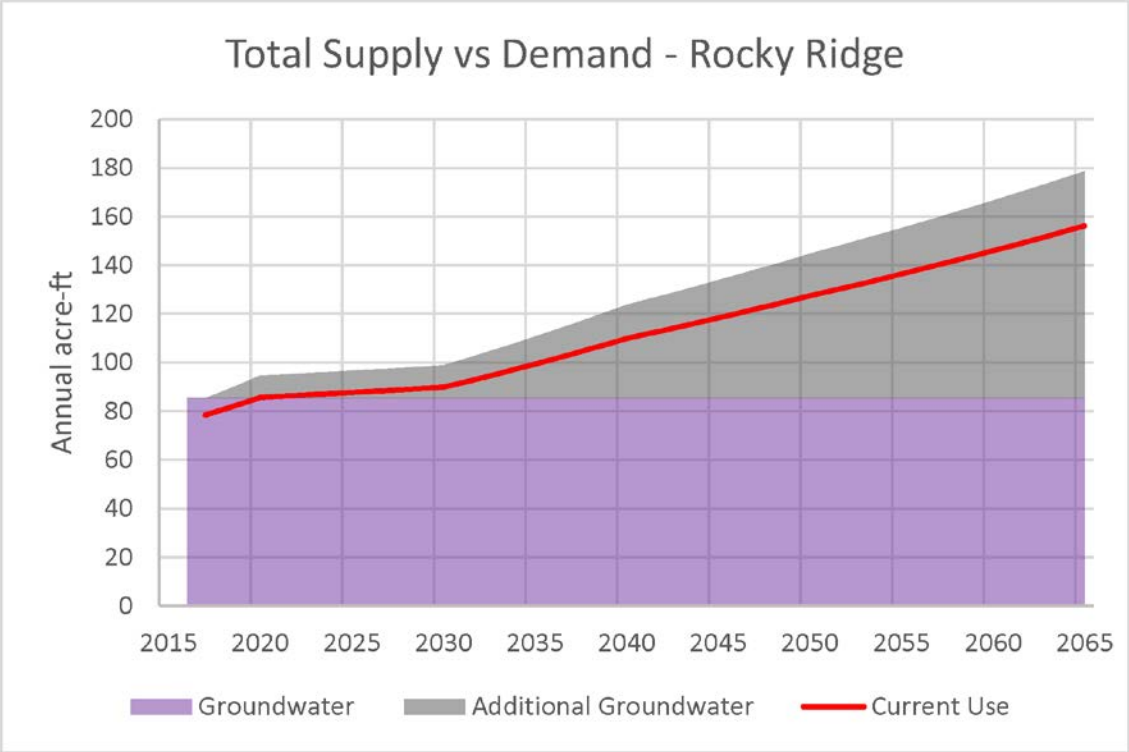


Figure 12 - Rocky Ridge Projected Demand and Supply

Supply
From their three wells, Rocky Ridge pumped 85.3 acre-feet in 2018. The Town's newest well was drilled in 2018. The well pump test indicated a test capacity of 1,000 gpm. However, the Town has very few water rights for the new well. Additional water supply will need to come from acquiring water rights from other and changing those rights to the Town's new well. Otherwise the Town will need a water supply from another water source.

There is no irrigated agricultural land in or adjacent to Rocky Ridge. The agricultural land in the area is dry farm.

Figure 13 is a monthly supply and demand graph for Year 2065 for Rocky Ridge Town. There is no distinction between indoor and outdoor water use because all water sources are drinking water wells and there is little outdoor water use. As shown in the figure, Rocky Ridge has enough water supply to meet water demands in Year 2065, based on current levels of water use.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Rocky Ridge Town are provided in Appendix A.

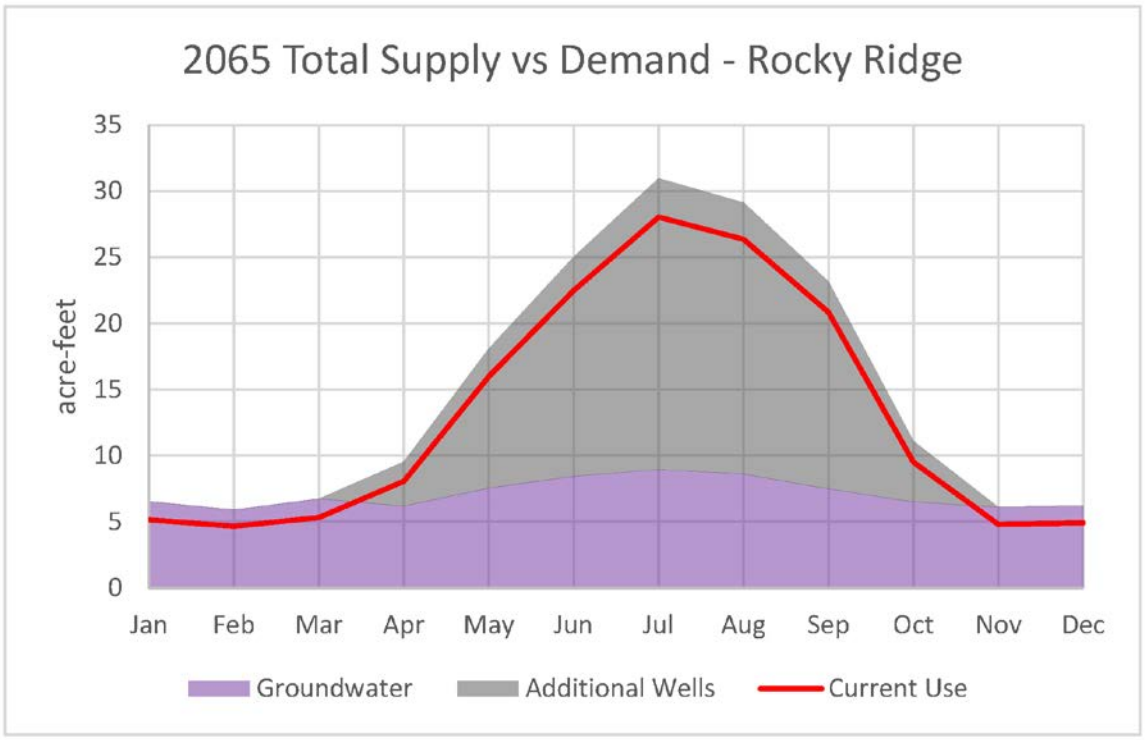


Figure 13 - Rocky Ridge 2065 Supply and Demand

JUAB COUNTY SUMMARY OF SUPPLY AND DEMAND

As shown in the analysis above, each of the evaluated Juab County communities has an adequate indoor water supply through Year 2065 provided that the wells and springs are dedicated for indoor use. However, Mona and Nephi are significantly short of water for outdoor use, especially if there is no conversion of agricultural water for municipal use. This shortage exists under current conditions and would increase as growth occurs in the future.

Table 3 summarizes the dependable supply shortage (remaining demand) under the Current Use scenario without agricultural water conversion. The table lists shortages by decade from 2020 through 2065. As shown in the table, there is projected to be a shortage of dependable water supply of 4,990 acre-feet per year by Year 2065 under the Current Use scenario without conversion of agricultural water.

Table 4 summarizes the dependable supply shortage under the Conservation scenario without agricultural water conversion. As shown in the table, there is projected to be a shortage of dependable water supply of 3,468 acre-feet per year by Year 2065 under the Conservation scenario without conversion of agricultural water.

Table 5 summarizes the dependable supply shortage under the Growing Conservation scenario without agricultural water conversion. As shown in the table, there is projected to be a shortage of dependable water supply of 2,138 acre-feet per year by Year 2065 under the Growing Conservation scenario without conversion of agricultural water.

Table 6 summarizes the dependable supply shortage under the Current Use scenario with agricultural water conversion. As shown by the tables, shortages are significantly reduced with agricultural water conversion. The total dependable water supply shortage is projected to be 2,569 acre-feet per year by Year 2065 under the Current Use scenario with conversion of agricultural water.

Table 7 summarizes the dependable supply shortage under the Conservation scenario with agricultural water conversion. As shown in the table, there is projected to be a shortage of dependable water supply of 1,575 acre-feet per year by Year 2065 under the Conservation scenario with conversion of agricultural water.

Table 8 summarizes the dependable supply shortage under the Growing Conservation scenario with agricultural water conversion. As shown in the table, there is projected to be a shortage of dependable water supply of 684 acre-feet per year by Year 2065 under the Growing Conservation scenario with conversion of agricultural water.

Industrial Water

In addition to water supply needed for municipal use, Juab County officials have expressed a desire to have a reliable water supply for future industrial use, perhaps as much as 6,000 acre-feet per year. Industrial development would provide significant economic benefits to the county. However, there is no present water source for large industry in Juab County.

Table 3. Juab County Remaining Demand based on Current Use (Without Agricultural Water Conversion)

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Mona	0	203	203	0	323	323	0	437	437	0	538	538	0	658	658	0	726	726
Nephi	0	1,385	1,385	0	2,060	2,060	0	2,684	2,684	0	3,244	3,244	0	3,843	3,843	0	4,175	4,175
Rocky Ridge	0	47	47	0	50	50	0	61	61	0	72	72	0	83	83	0	89	89
TOTAL	0	1,635	1,635	0	2,433	2,433	0	3,182	3,182	0	3,854	3,854	0	4,584	4,584	0	4,990	4,990

Table 4. Juab County Remaining Demand based on Conservation (Without Agricultural Water Conversion)

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Mona	0	186	186	0	269	269	0	345	345	0	415	415	0	490	490	0	532	532
Nephi	0	1,295	1,295	0	1,705	1,705	0	2,049	2,049	0	2,355	2,355	0	2,673	2,673	0	2,847	2,847
Rocky Ridge	0	47	47	0	50	50	0	61	61	0	72	72	0	83	83	0	89	89
TOTAL	0	1,528	1,528	0	2,024	2,024	0	2,455	2,455	0	2,842	2,842	0	3,246	3,246	0	3,468	3,468

Table 5. Juab County Remaining Demand based on Growing Conservation (Without Agricultural Water Conversion)

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Mona	0	178	178	0	209	209	0	239	239	0	274	274	0	310	310	0	328	328
Nephi	0	1,241	1,241	0	1,337	1,337	0	1,426	1,426	0	1,552	1,552	0	1,669	1,669	0	1,721	1,721
Rocky Ridge	0	47	47	0	50	50	0	61	61	0	72	72	0	83	83	0	89	89
TOTAL	0	1,466	1,466	0	1,596	1,596	0	1,726	1,726	0	1,898	1,898	0	2,062	2,062	0	2,138	2,138

Table 6. Juab County Remaining Demand based on Current Use (With Agricultural Water Conversion)

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Mona	0	170	170	0	193	193	0	271	271	0	342	342	0	419	419	0	461	461
Nephi	0	1,251	1,251	0	1,382	1,382	0	1,520	1,520	0	1,680	1,680	0	1,897	1,897	0	2,019	2,019
Rocky Ridge	0	47	47	0	50	50	0	61	61	0	72	72	0	83	83	0	89	89
TOTAL	0	1,468	1,468	0	1,625	1,625	0	1,852	1,852	0	2,094	2,094	0	2,399	2,399	0	2,569	2,569

Table 7. Juab County Remaining Demand based on Conservation (With Agricultural Water Conversion)

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Mona	0	153	153	0	140	140	0	185	185	0	226	226	0	271	271	0	296	296
Nephi	0	1,171	1,171	0	1,068	1,068	0	1,085	1,085	0	1,125	1,125	0	1,167	1,167	0	1,190	1,190
Rocky Ridge	0	47	47	0	50	50	0	61	61	0	72	72	0	83	83	0	89	89
TOTAL	0	1,371	1,371	0	1,258	1,258	0	1,331	1,331	0	1,423	1,423	0	1,521	1,521	0	1,575	1,575

Table 8. Juab County Remaining Demand based on Growing Conservation (With Agricultural Water Conversion)

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Mona	0	144	144	0	89	89	0	93	93	0	104	104	0	115	115	0	119	119
Nephi	0	1,124	1,124	0	799	799	0	678	678	0	609	609	0	528	528	0	476	476
Rocky Ridge	0	47	47	0	50	50	0	61	61	0	72	72	0	83	83	0	89	89
TOTAL	0	1,315	1,315	0	938	938	0	832	832	0	785	785	0	726	726	0	684	684

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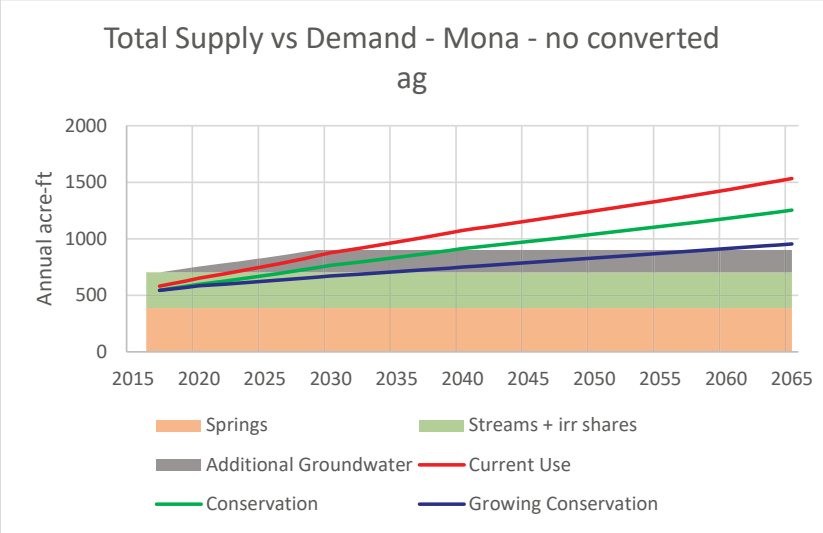
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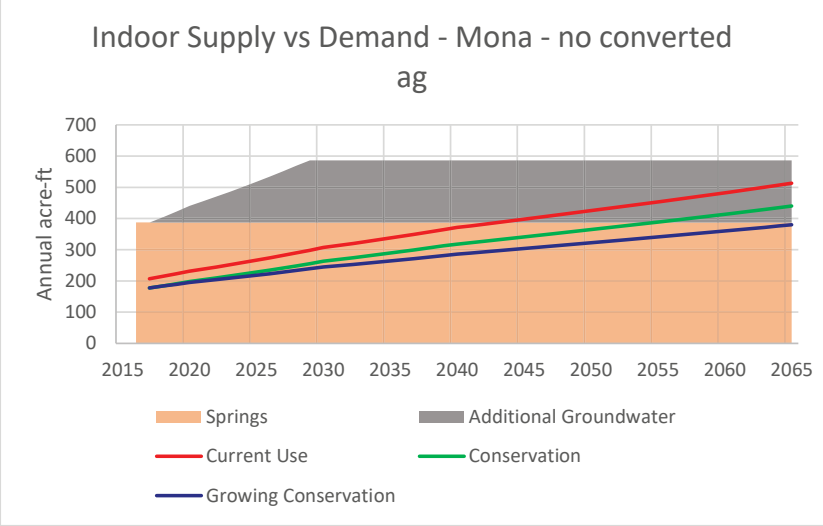
APPENDIX A

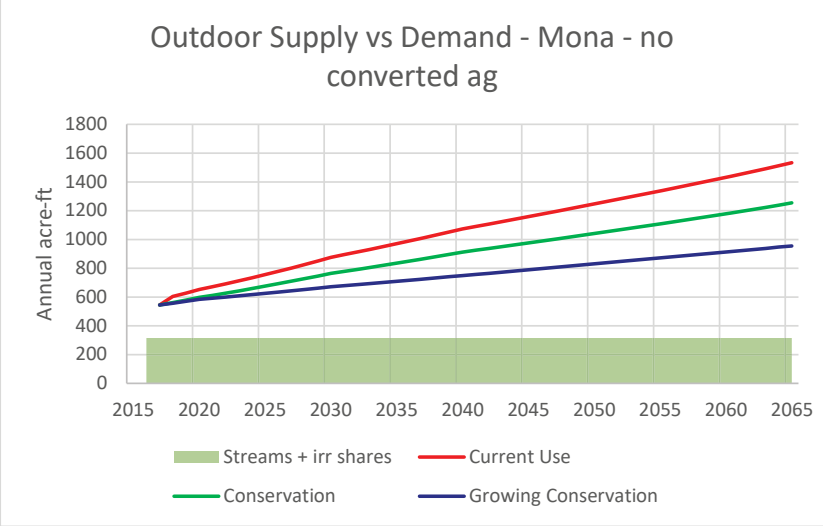
LONG-TERM SUPPLY & DEMAND GRAPHS BY CITY

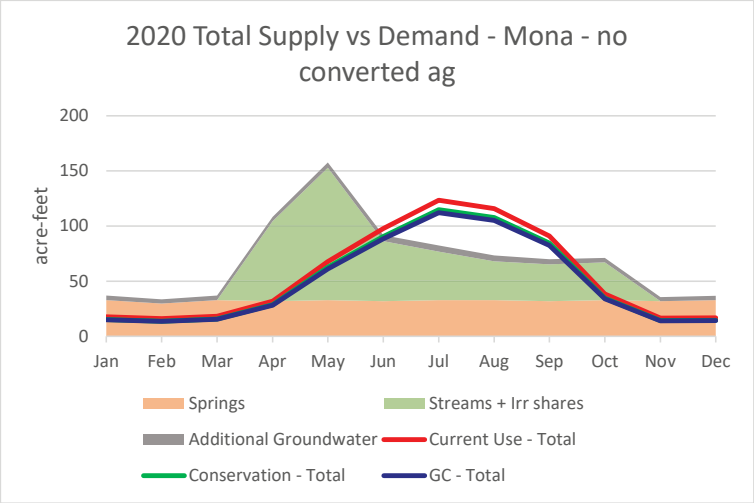
MONTHLY SUPPLY & DEMAND GRAPHS BY CITY

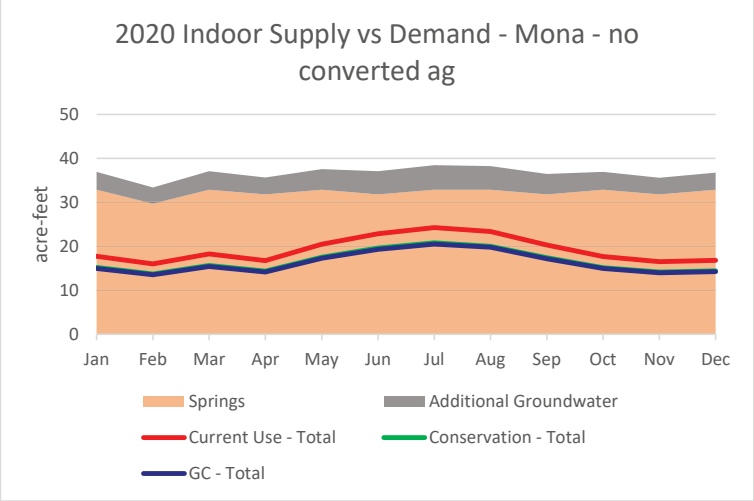
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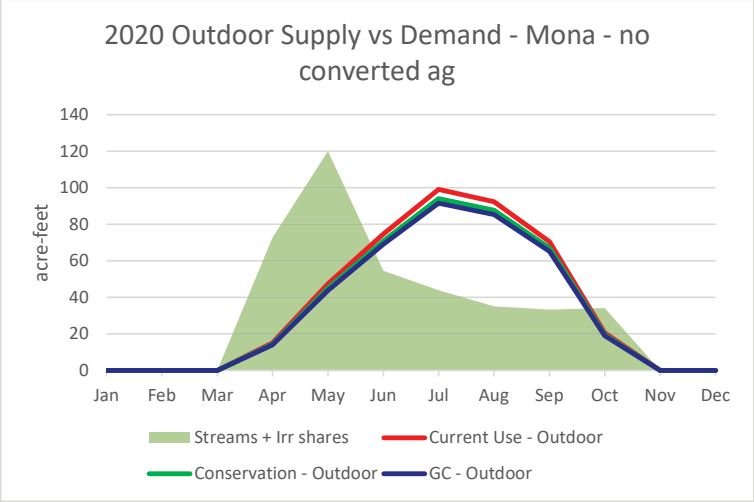

Total Supply vs Demand - Mona - no converted ag
Annual acre-ft
2000
1500
1000
500
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Streams + irr shares
Additional Groundwater
Current Use
Conservation
Growing Conservation

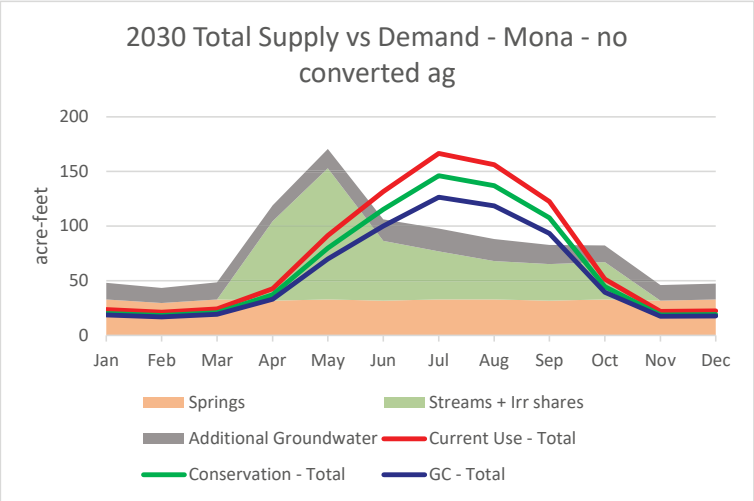

Indoor Supply vs Demand - Mona - no converted ag
Annual acre-ft
700
600
500
400
300
200
100
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Additional Groundwater
Current Use
Conservation
Growing Conservation

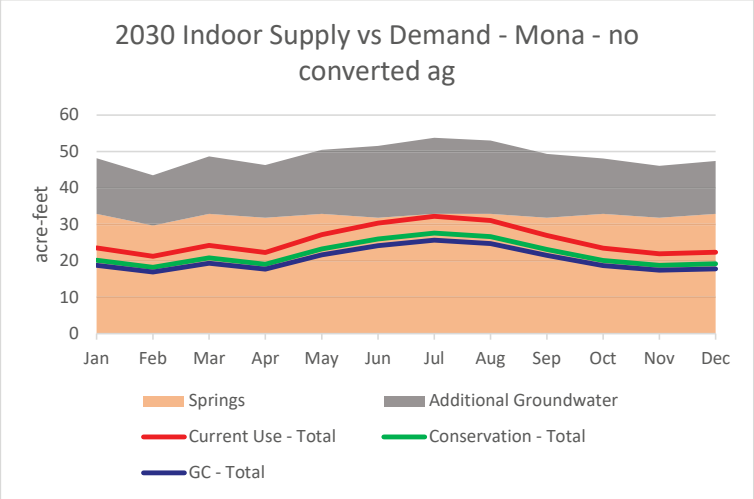

Outdoor Supply vs Demand - Mona - no converted ag
Annual acre-ft
1800
1600
1400
1200
1000
800
600
400
200
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Streams + irr shares
Current Use
Conservation
Growing Conservation

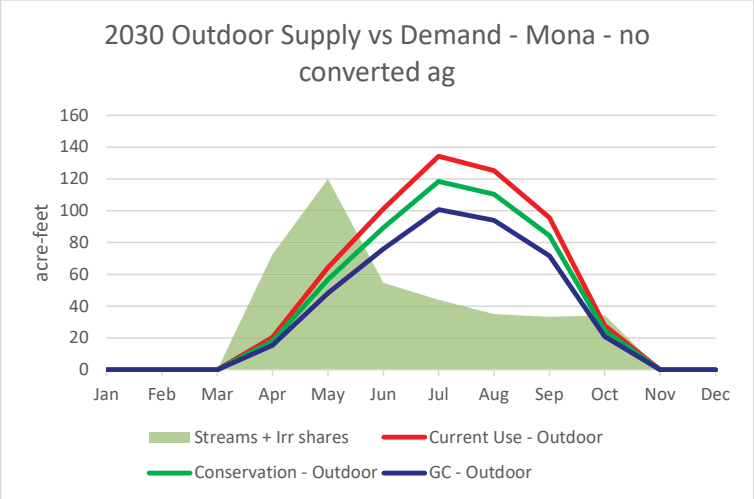

2020 Total Supply vs Demand - Mona - no converted ag
200
150
100
50
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

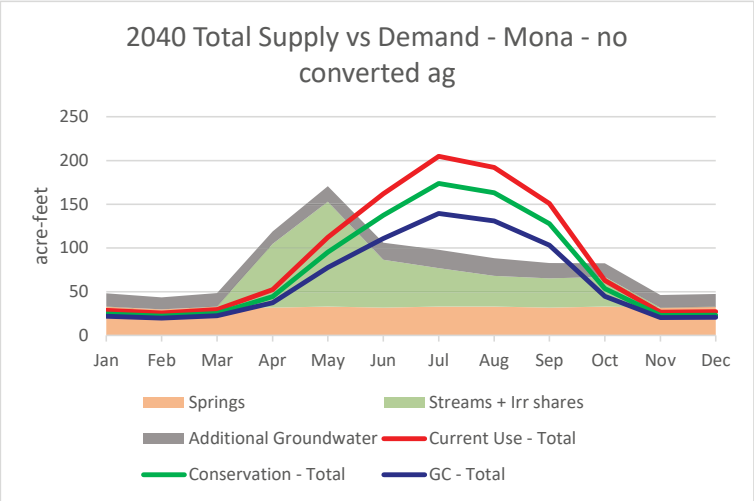

2020 Indoor Supply vs Demand - Mona - no converted ag
50
40
30
20
10
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

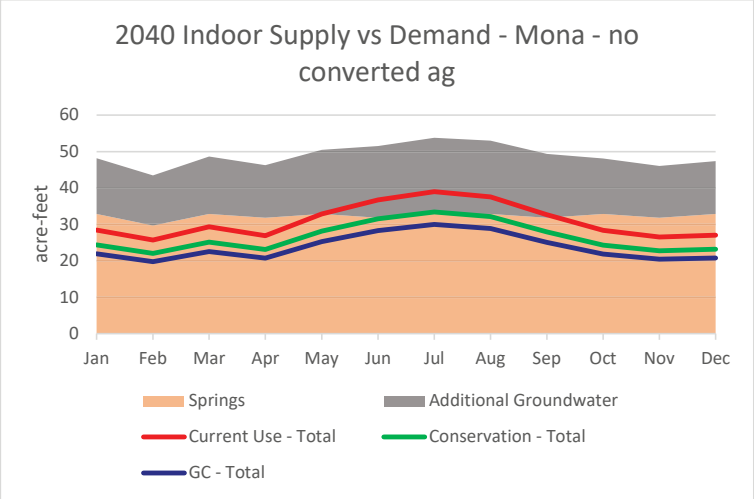

2020 Outdoor Supply vs Demand - Mona - no converted ag
140
120
100
80
60
40
20
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

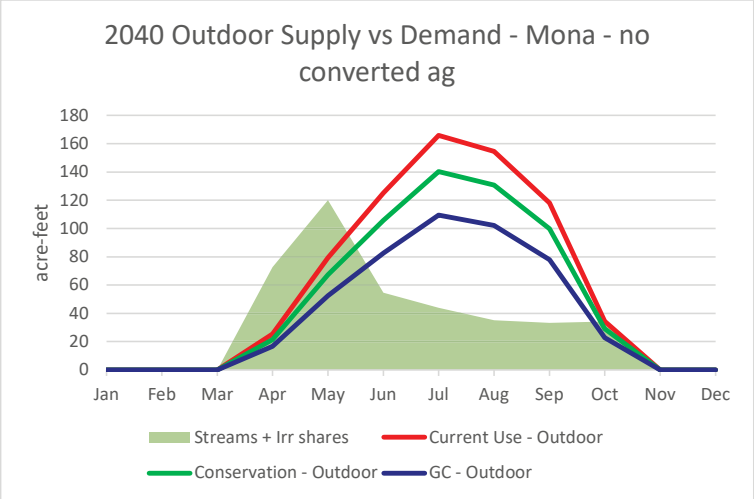

2030 Total Supply vs Demand - Mona - no converted ag
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

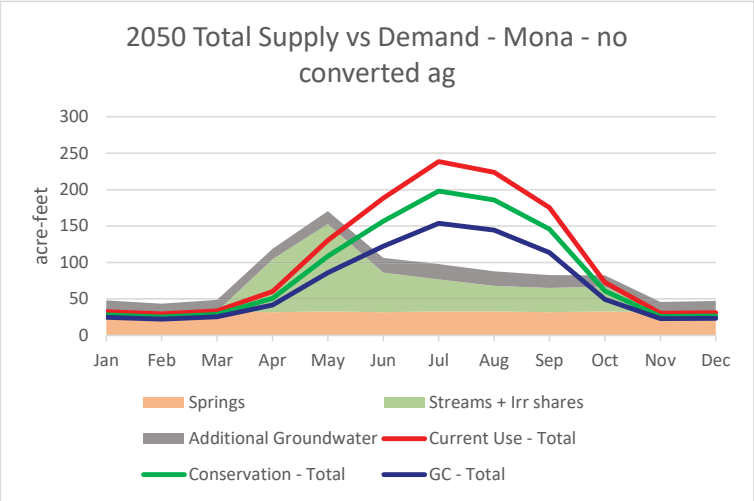

2030 Indoor Supply vs Demand - Mona - no converted ag
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

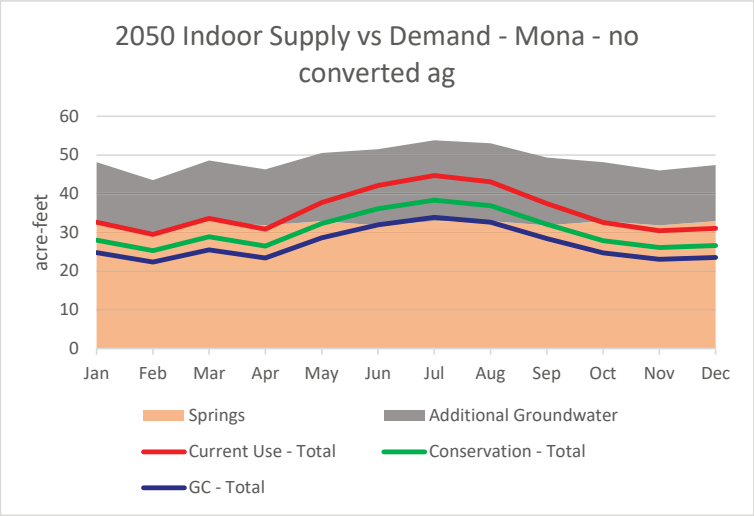

2030 Outdoor Supply vs Demand - Mona - no converted ag
acre-feet
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

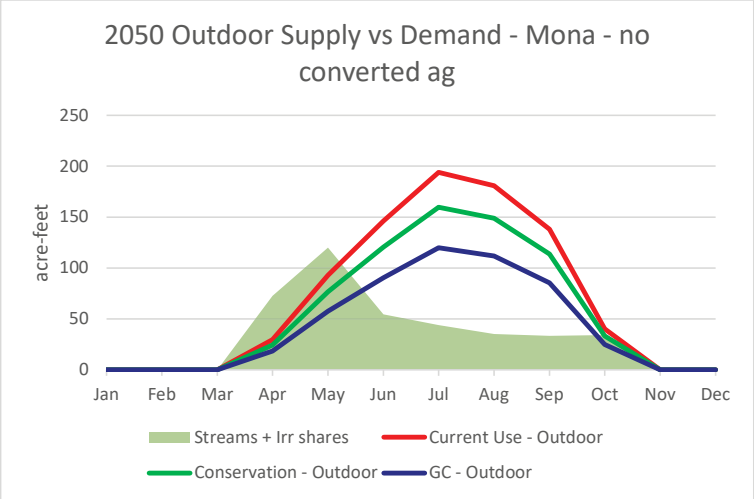

2040 Total Supply vs Demand - Mona - no converted ag
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

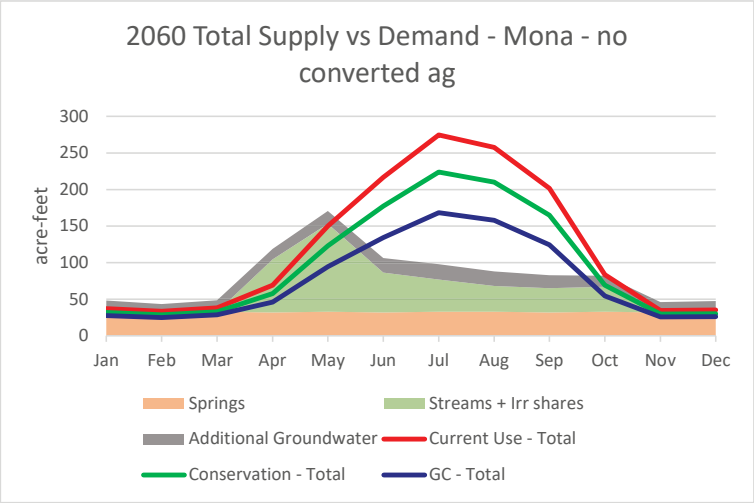

2040 Indoor Supply vs Demand - Mona - no converted ag
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

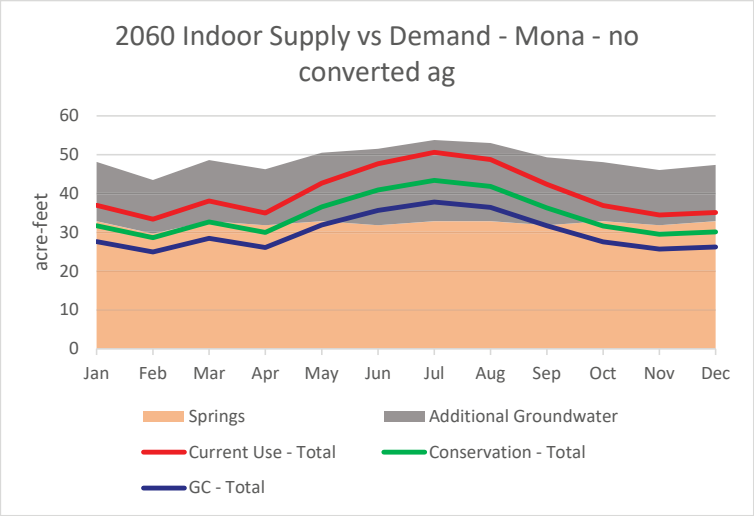

2040 Outdoor Supply vs Demand - Mona - no converted ag
acre-feet
180
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

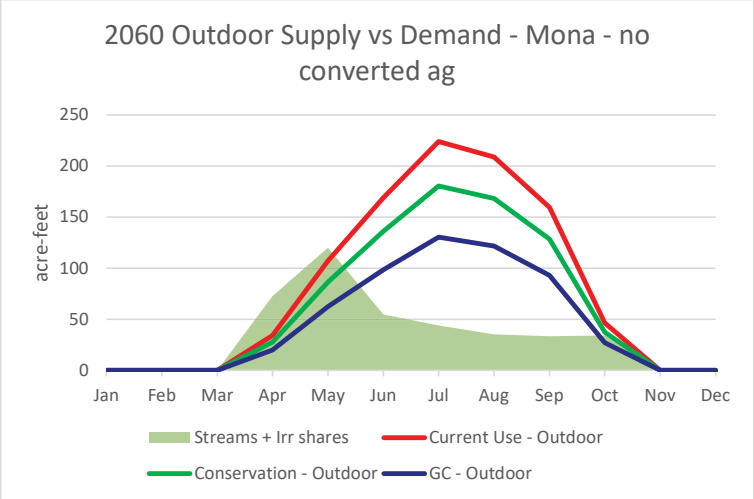

2050 Total Supply vs Demand - Mona - no converted ag
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

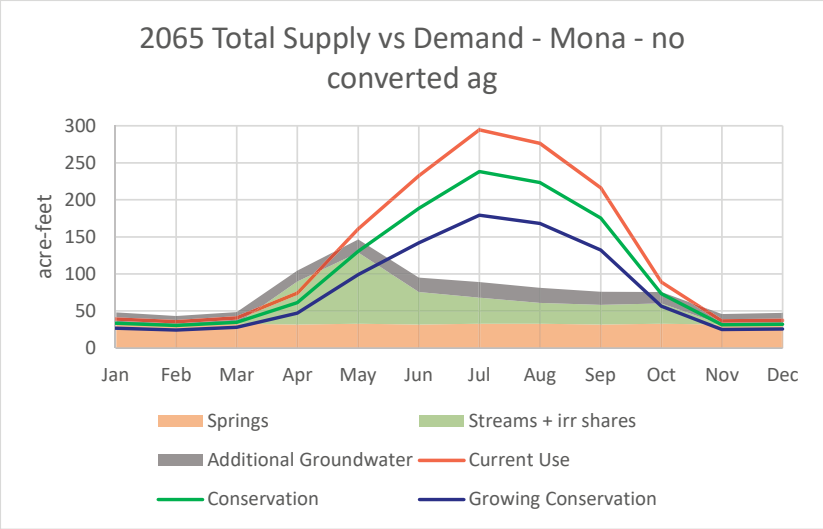

2050 Indoor Supply vs Demand - Mona - no converted ag
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

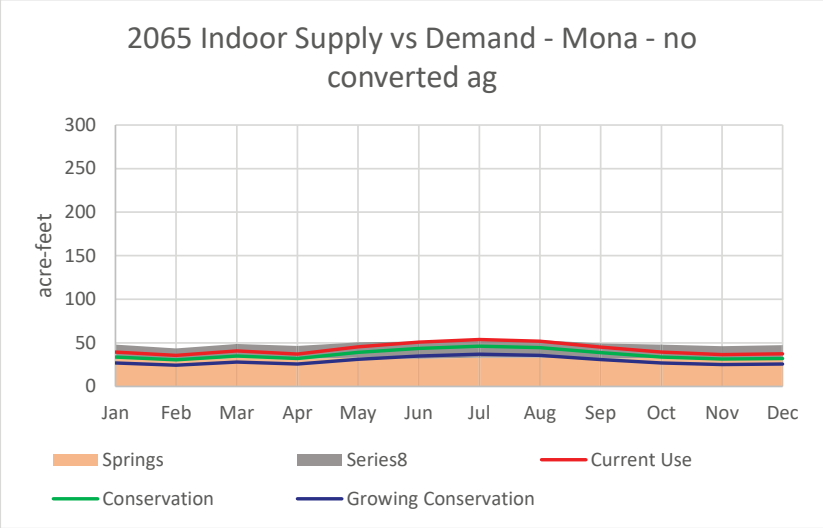

2050 Outdoor Supply vs Demand - Mona - no converted ag
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

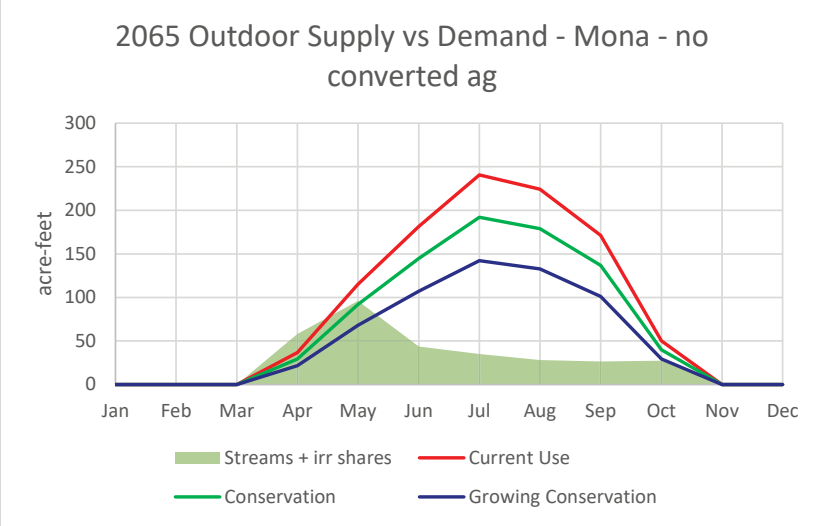

2060 Total Supply vs Demand - Mona - no converted ag
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

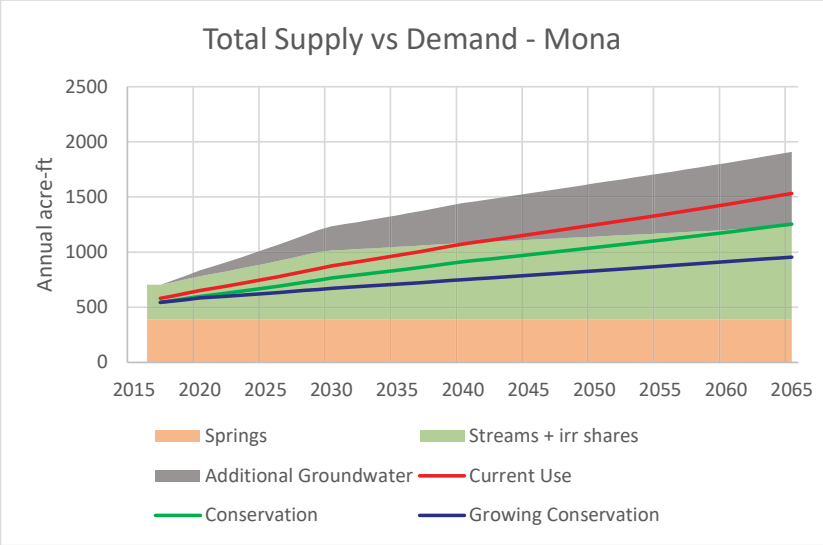

2060 Indoor Supply vs Demand - Mona - no converted ag
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

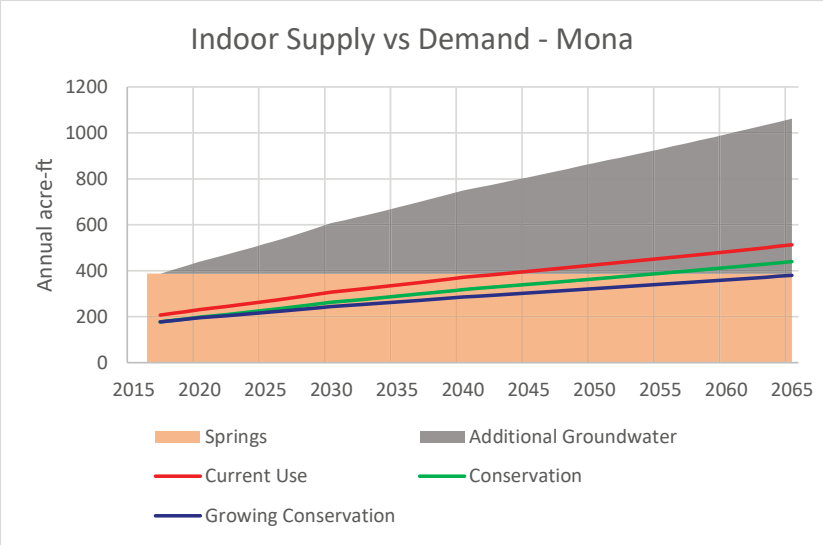

2060 Outdoor Supply vs Demand - Mona - no converted ag
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

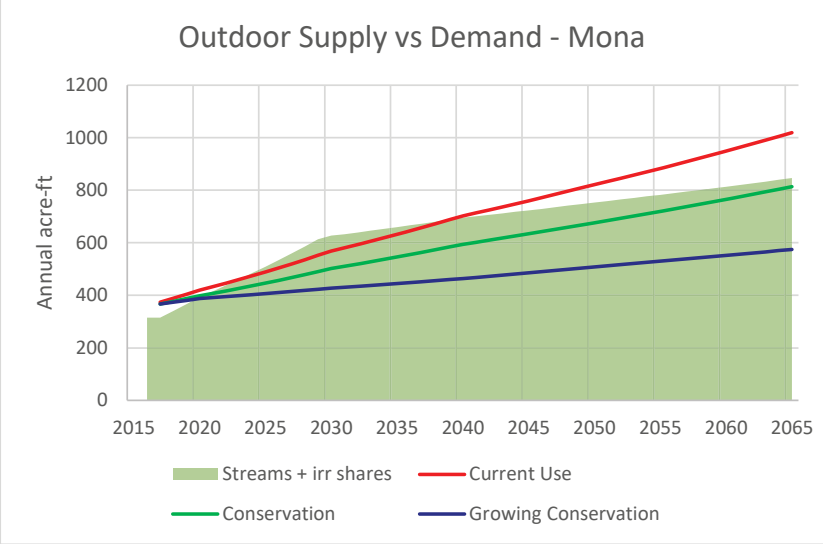

2065 Total Supply vs Demand - Mona - no converted ag
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + irr shares
Additional Groundwater
Current Use
Conservation
Growing Conservation

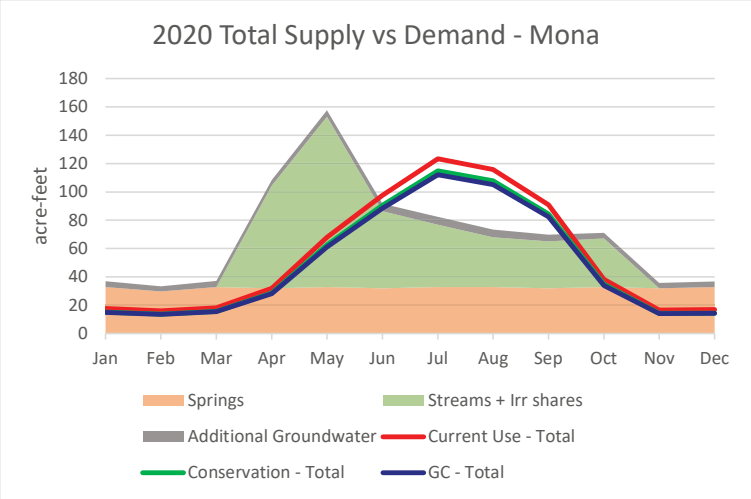

2065 Indoor Supply vs Demand - Mona - no converted ag
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Series8
Current Use
Conservation
Growing Conservation

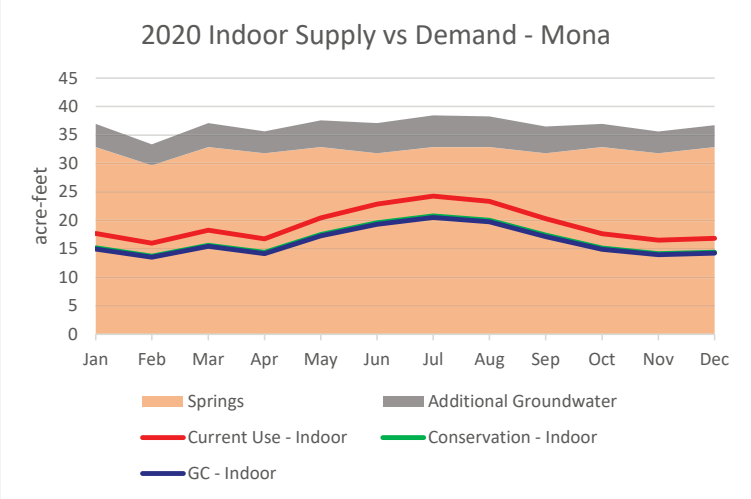

2065 Outdoor Supply vs Demand - Mona - no converted ag
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + irr shares
Current Use
Conservation
Growing Conservation

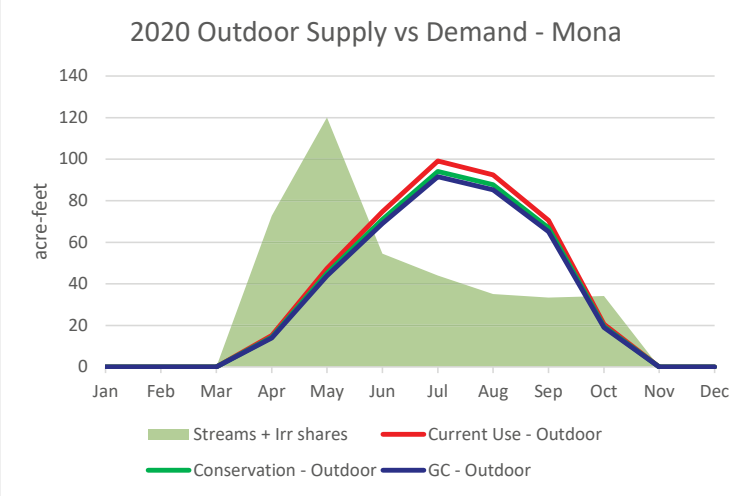

Total Supply vs Demand - Mona
Annual acre-ft
2500
2000
1500
1000
500
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Streams + irr shares
Additional Groundwater
Current Use
Conservation
Growing Conservation

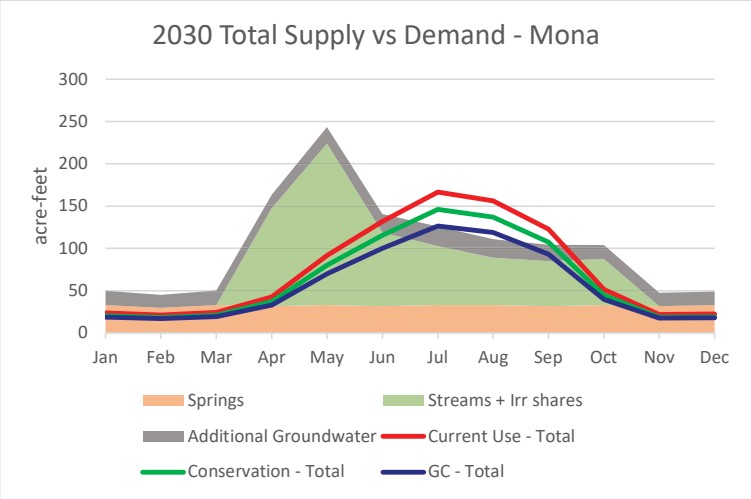

Indoor Supply vs Demand - Mona
Annual acre-ft
1200
1000
800
600
400
200
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Additional Groundwater
Current Use
Conservation
Growing Conservation

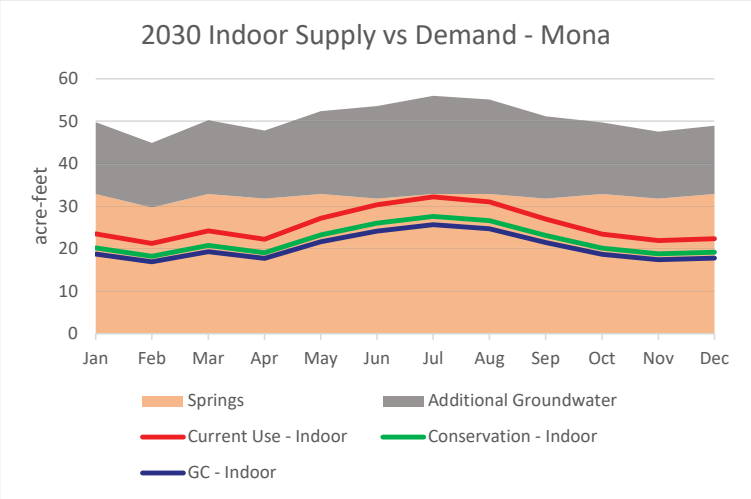

Outdoor Supply vs Demand - Mona
Annual acre-ft
1200
1000
800
600
400
200
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Streams + irr shares
Current Use
Conservation
Growing Conservation

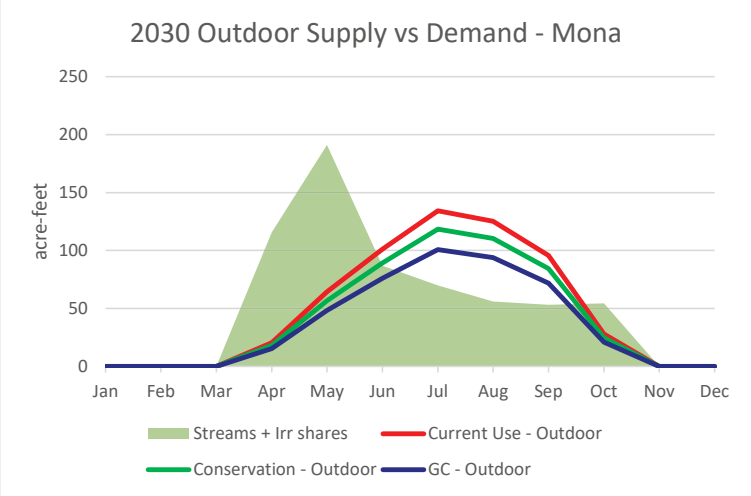

2020 Total Supply vs Demand - Mona
acre-feet
180
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

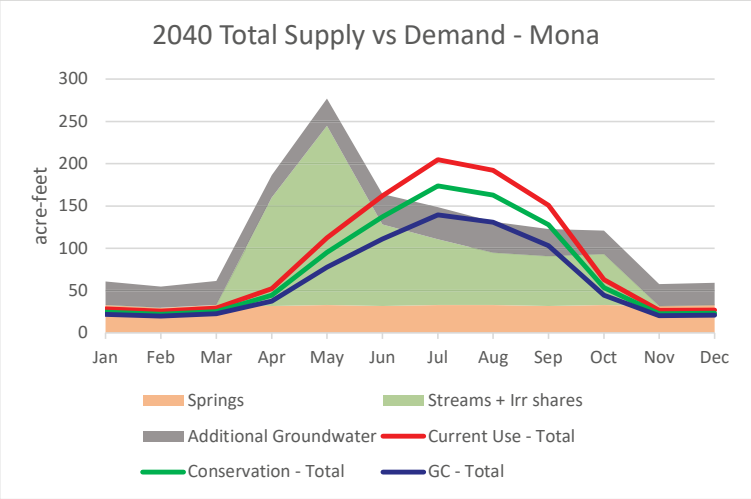

2020 Indoor Supply vs Demand - Mona
acre-feet
45
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

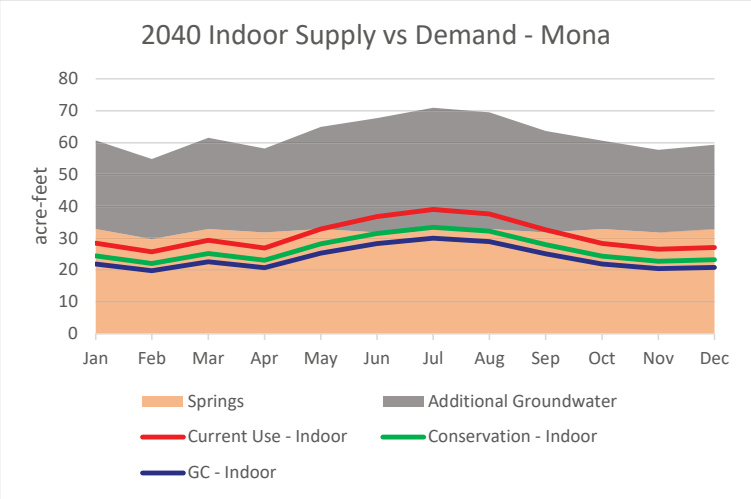

2020 Outdoor Supply vs Demand - Mona
acre-feet
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

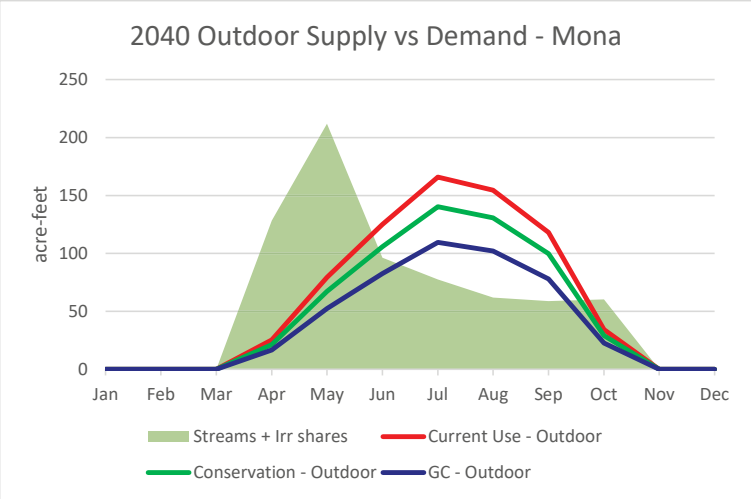

2030 Total Supply vs Demand - Mona
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

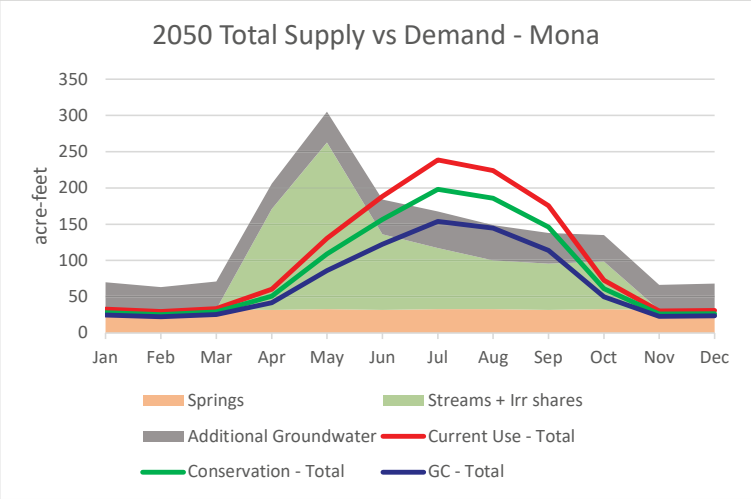

2030 Indoor Supply vs Demand - Mona
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

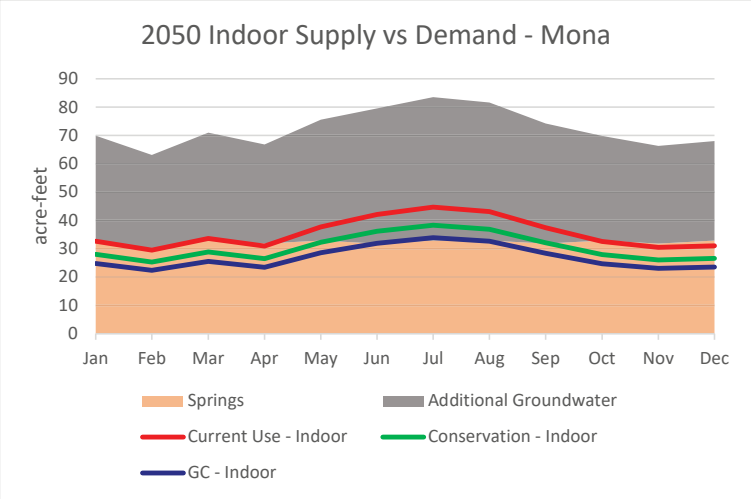

2030 Outdoor Supply vs Demand - Mona
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

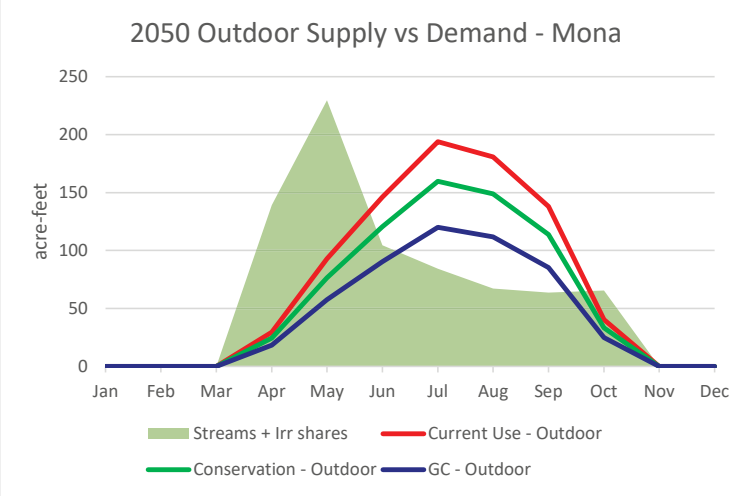

2040 Total Supply vs Demand - Mona
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

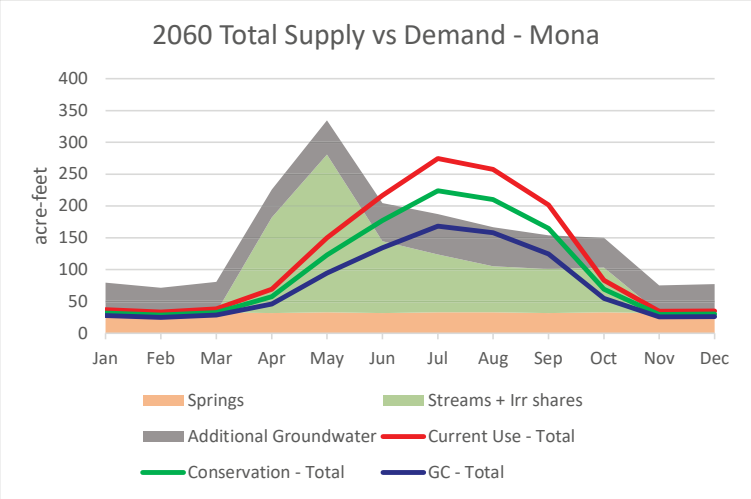

2040 Indoor Supply vs Demand - Mona
acre-feet
80
70
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

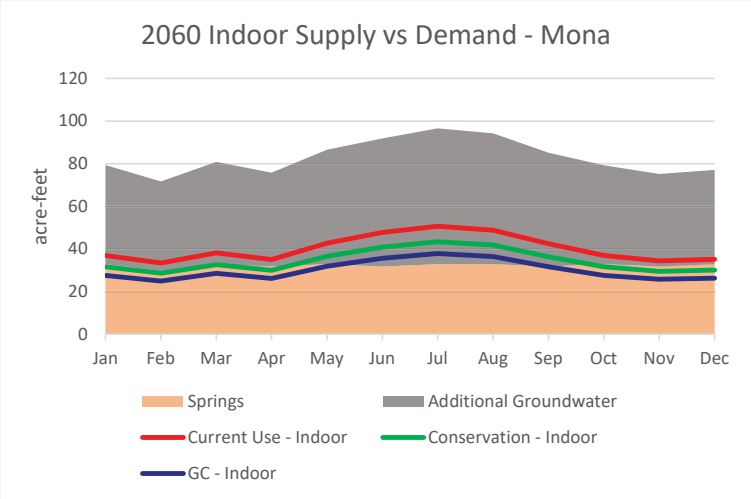

2040 Outdoor Supply vs Demand - Mona
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

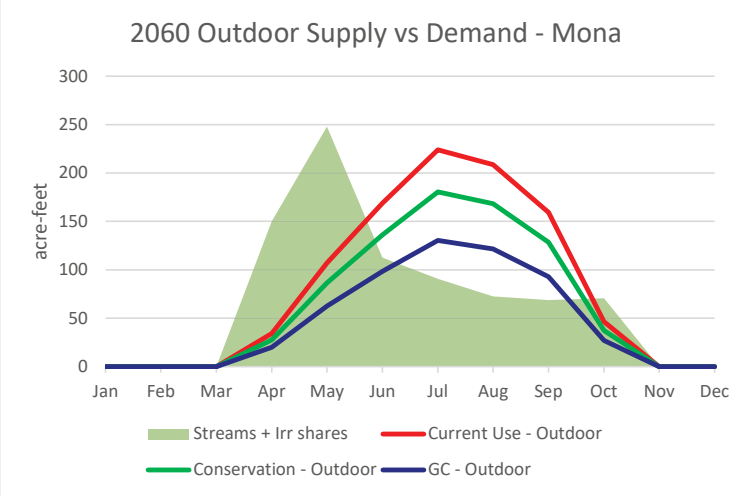

2050 Total Supply vs Demand - Mona
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

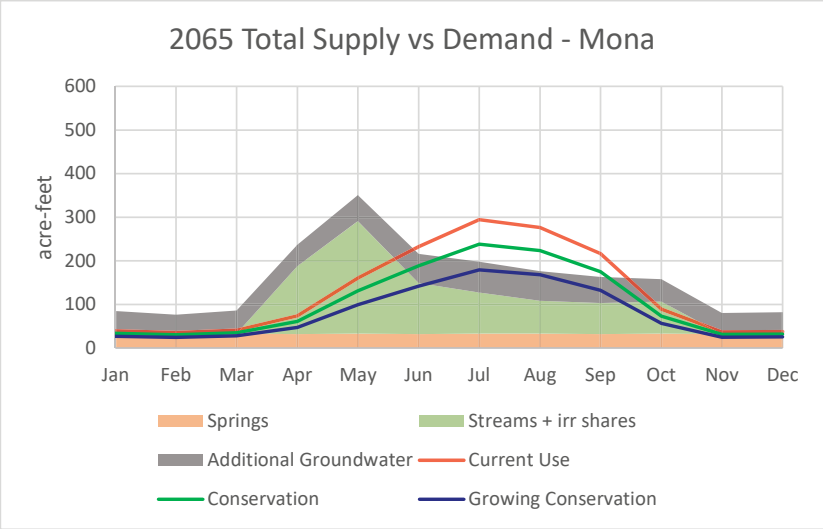

2050 Indoor Supply vs Demand - Mona
acre-feet
90
80
70
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

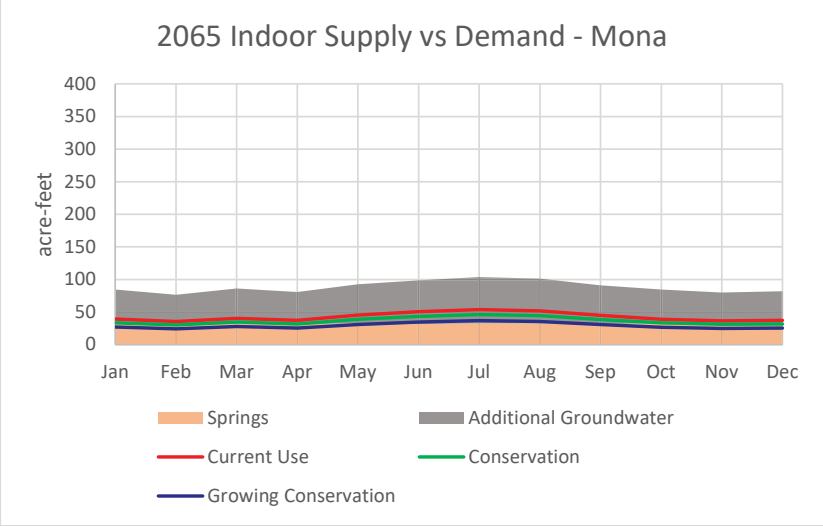

2050 Outdoor Supply vs Demand - Mona
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

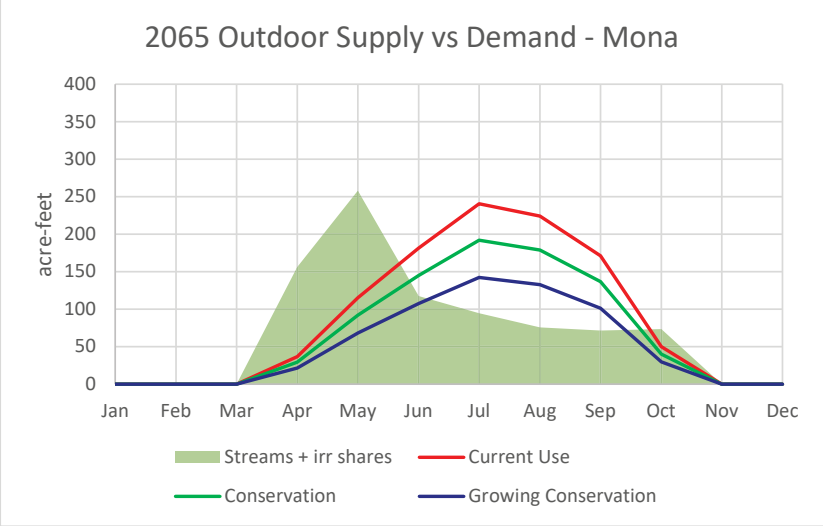

2060 Total Supply vs Demand - Mona
400
350
300
250
200
150
100
50
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Mona
120
100
80
60
40
20
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

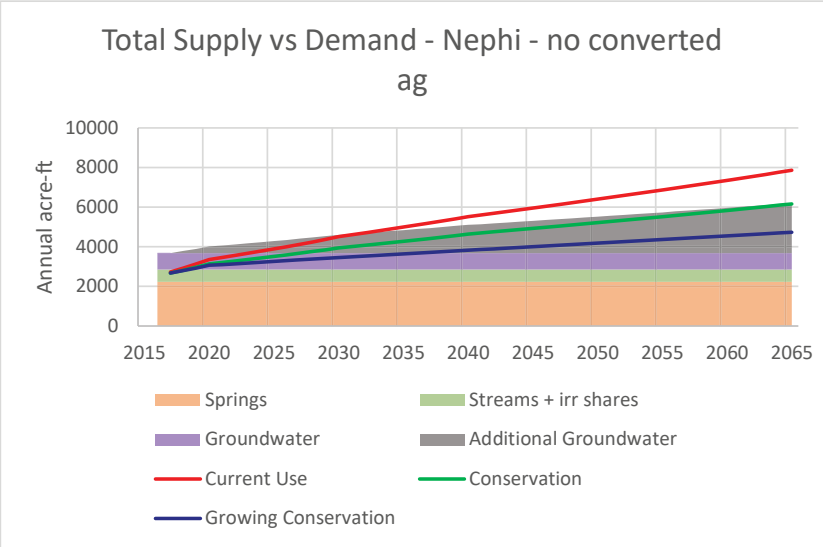

2060 Outdoor Supply vs Demand - Mona
300
250
200
150
100
50
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

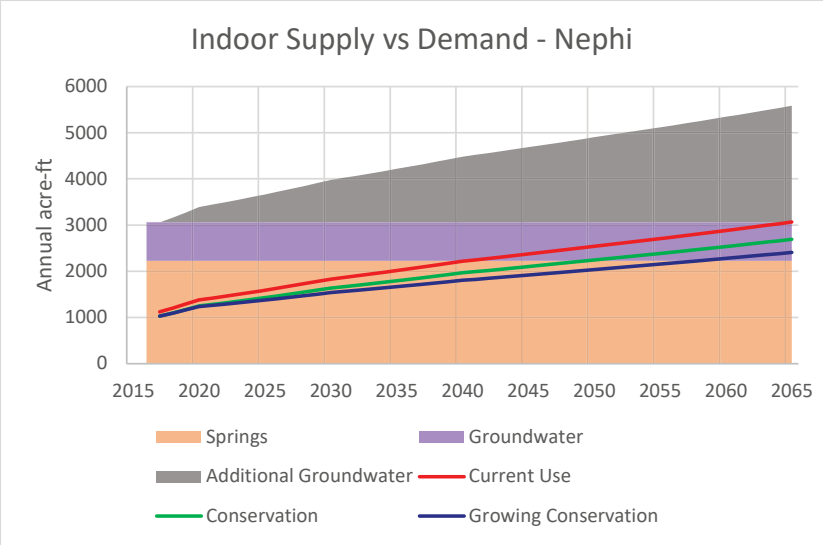

2065 Total Supply vs Demand - Mona
acre-feet
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + irr shares
Additional Groundwater
Current Use
Conservation
Growing Conservation

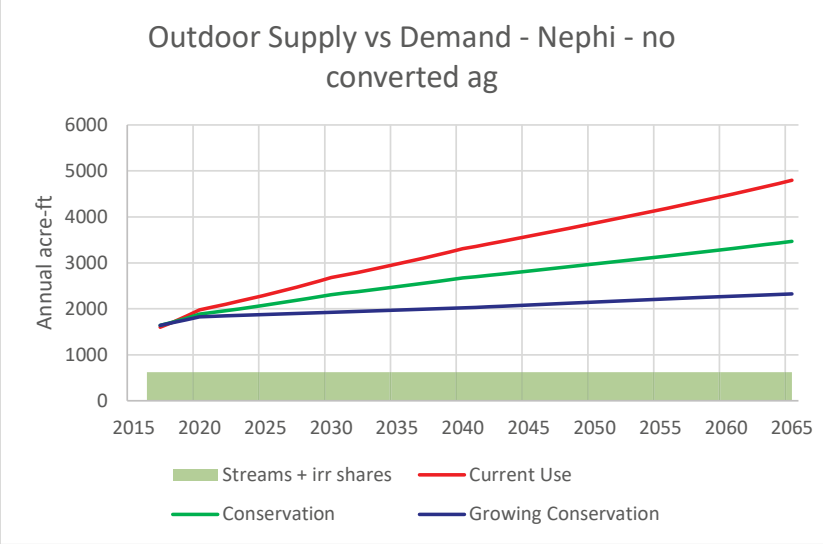

2065 Indoor Supply vs Demand - Mona
acre-feet
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Additional Groundwater
Current Use
Conservation
Growing Conservation

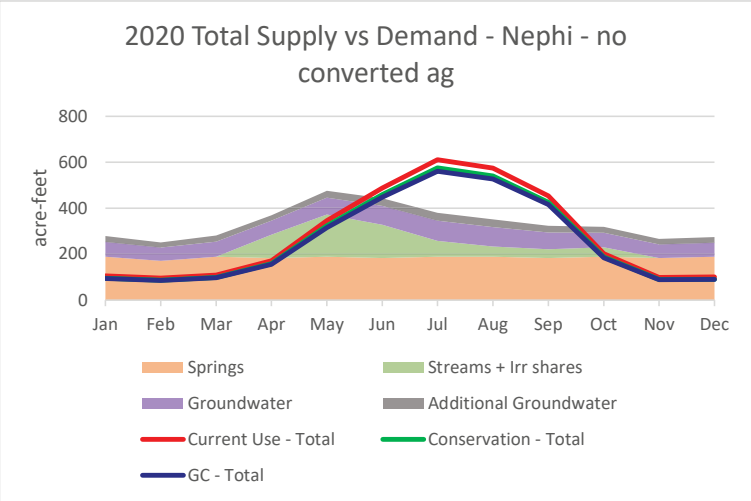

2065 Outdoor Supply vs Demand - Mona
acre-feet
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + irr shares
Current Use
Conservation
Growing Conservation

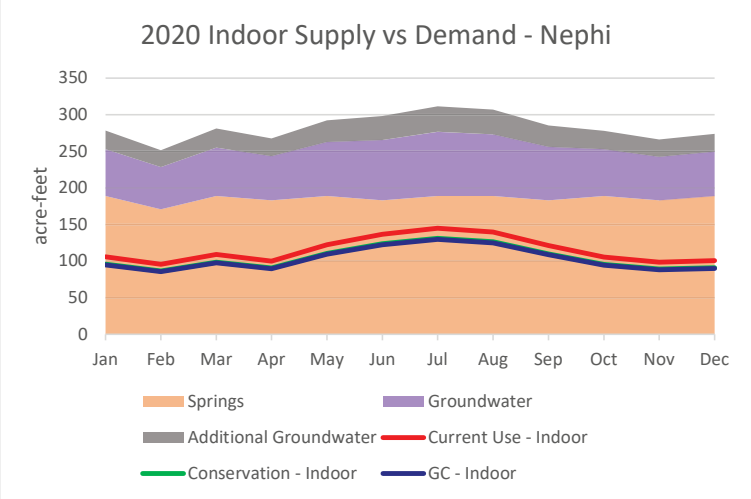
NEPHI

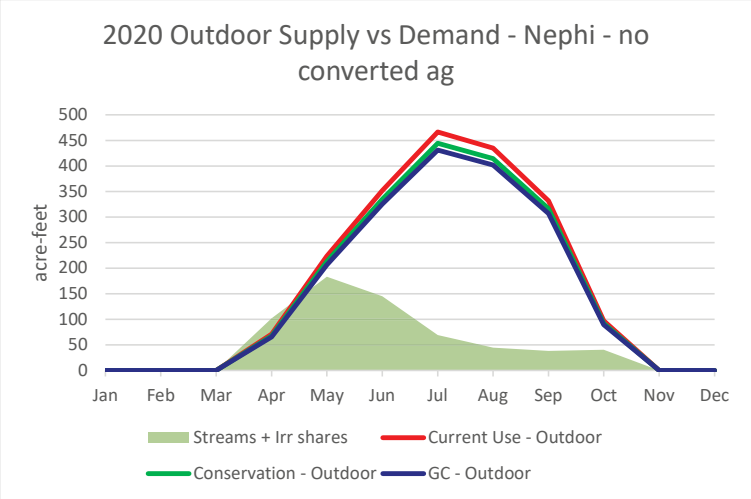

Total Supply vs Demand - Nephi - no converted ag
Annual acre-ft
10000
8000
6000
4000
2000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Springs
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

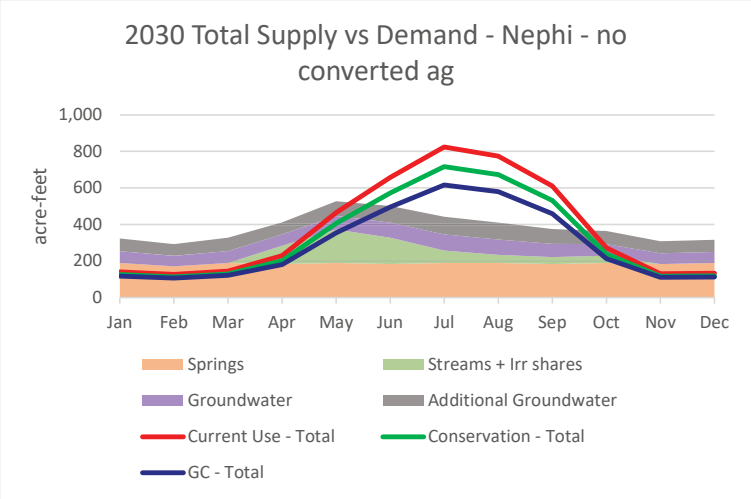

Indoor Supply vs Demand - Nephi
Annual acre-ft
6000
5000
4000
3000
2000
1000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

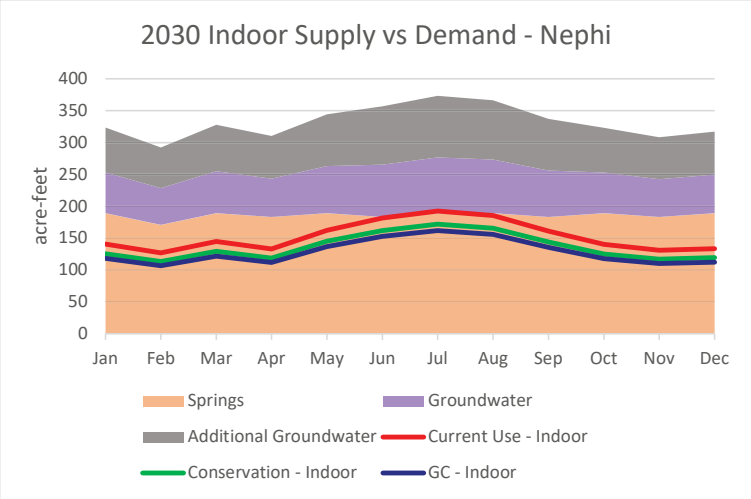

Outdoor Supply vs Demand - Nephi - no converted ag
Annual acre-ft
6000
5000
4000
3000
2000
1000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Streams + irr shares
Current Use
Conservation
Growing Conservation

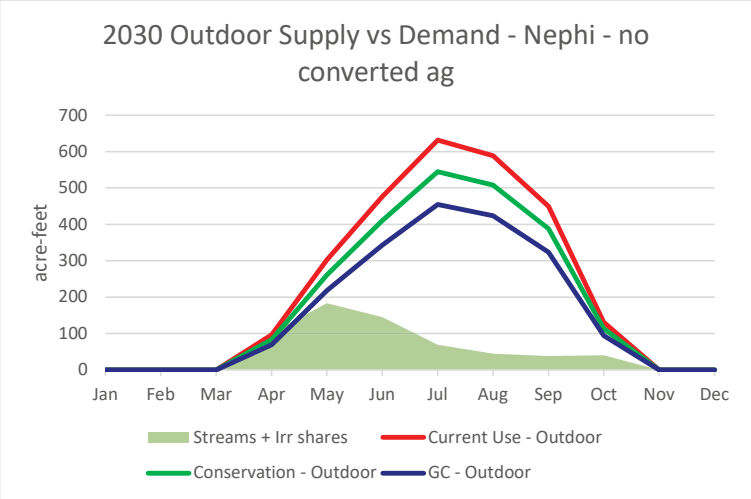

2020 Total Supply vs Demand - Nephi - no converted ag
acre-feet
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

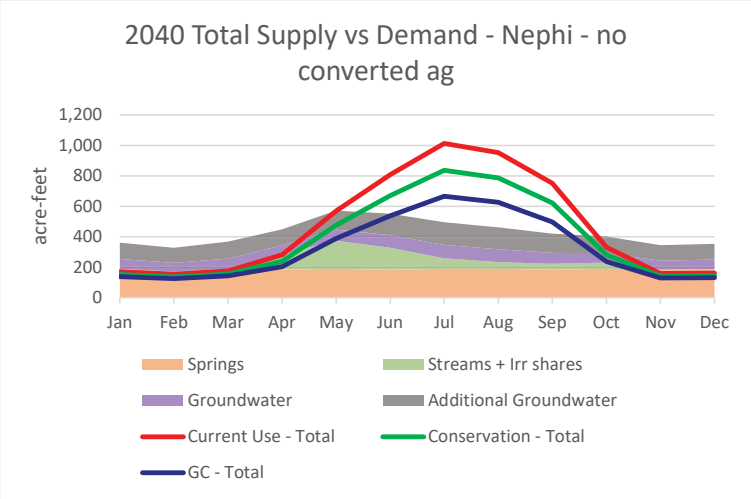

2020 Indoor Supply vs Demand - Nephi
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

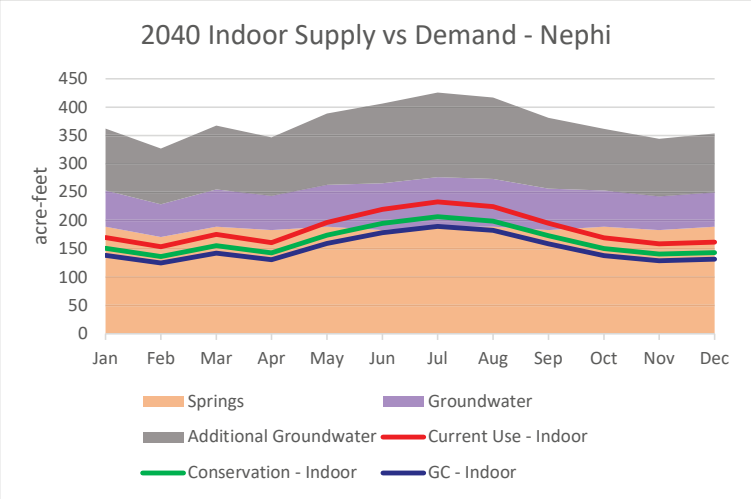

2020 Outdoor Supply vs Demand - Nephi - no converted ag
acre-feet
500
450
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

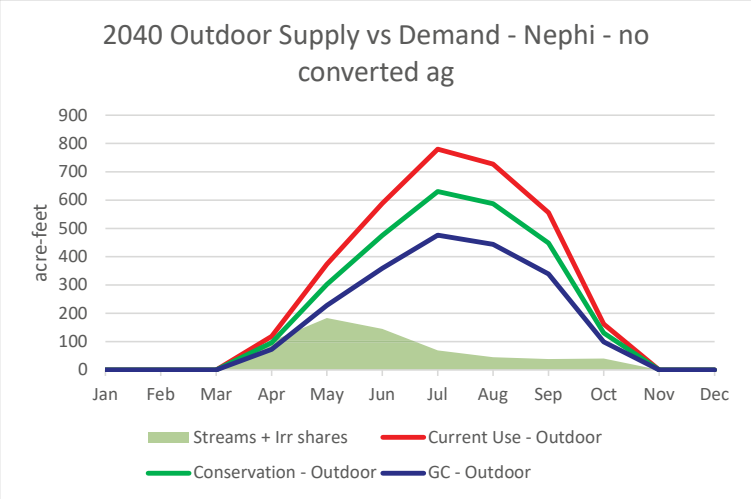

2030 Total Supply vs Demand - Nephi - no converted ag
acre-feet
1,000
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

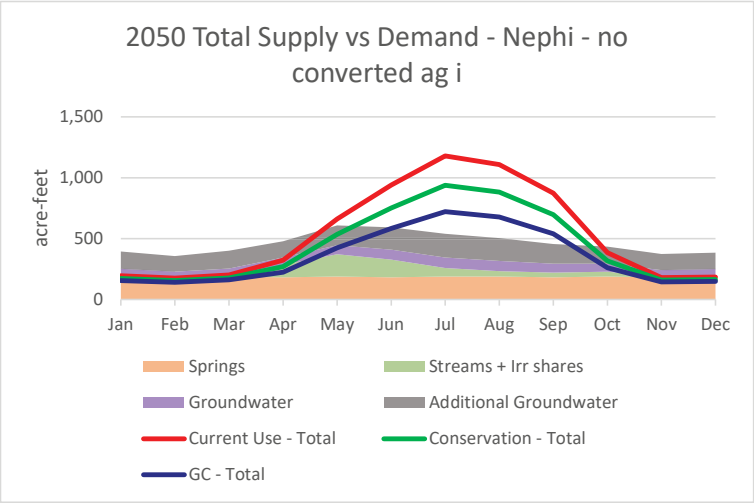

2030 Indoor Supply vs Demand - Nephi
acre-feet
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

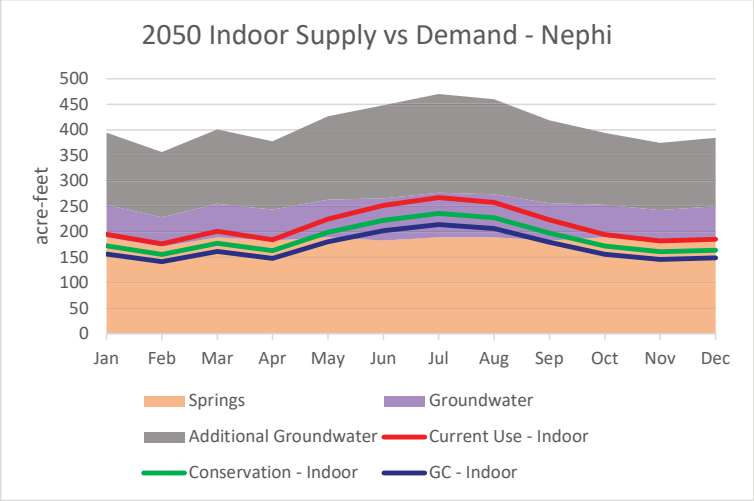

2030 Outdoor Supply vs Demand - Nephi - no converted ag
acre-feet
700
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

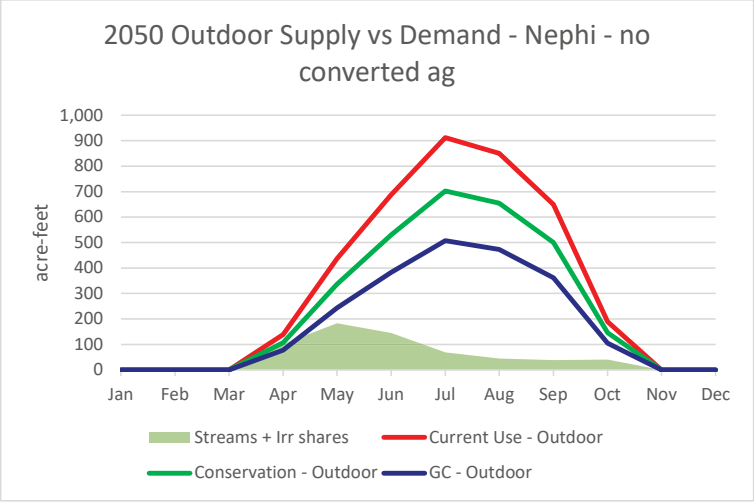

2040 Total Supply vs Demand - Nephi - no converted ag
acre-feet
1,200
1,000
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

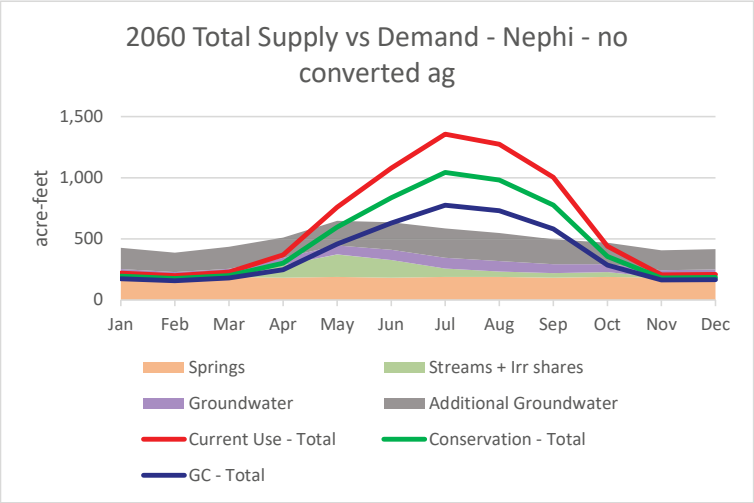

2040 Indoor Supply vs Demand - Nephi
acre-feet
450
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

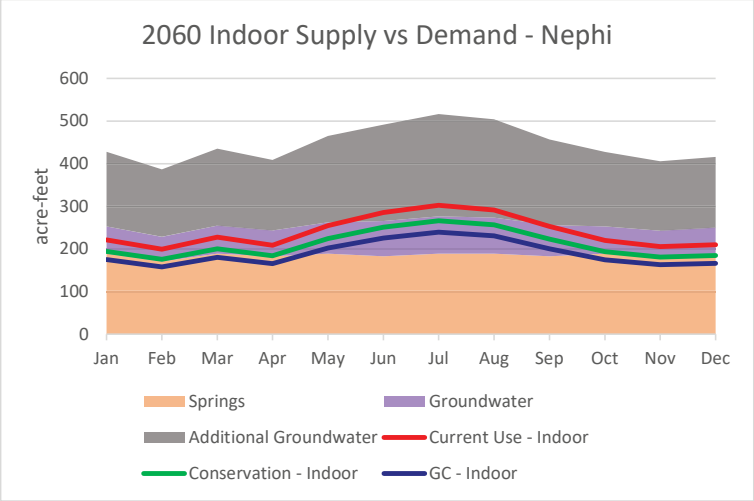

2040 Outdoor Supply vs Demand - Nephi - no converted ag
acre-feet
900
800
700
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

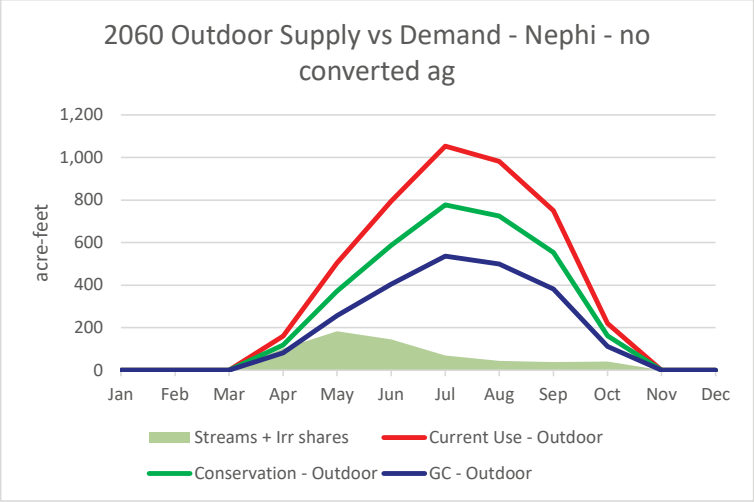

2050 Total Supply vs Demand - Nephi - no converted ag i
acre-feet
1,500
1,000
500
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

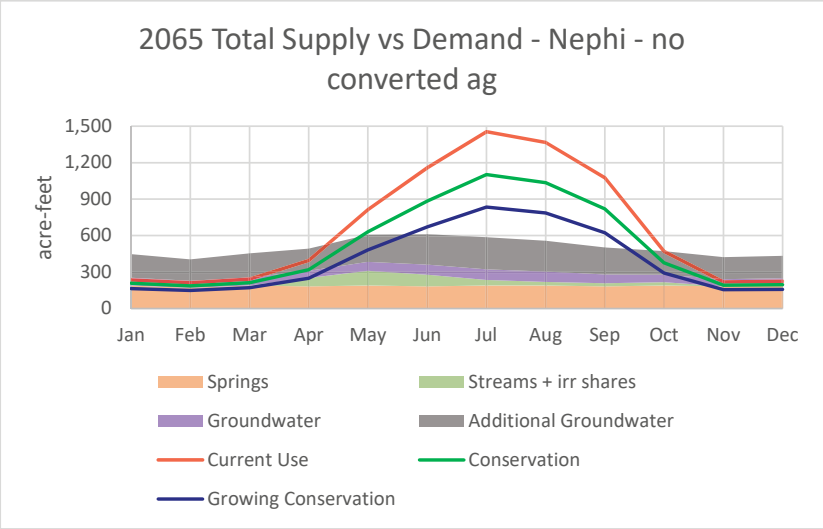

2050 Indoor Supply vs Demand - Nephi
acre-feet
500
450
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

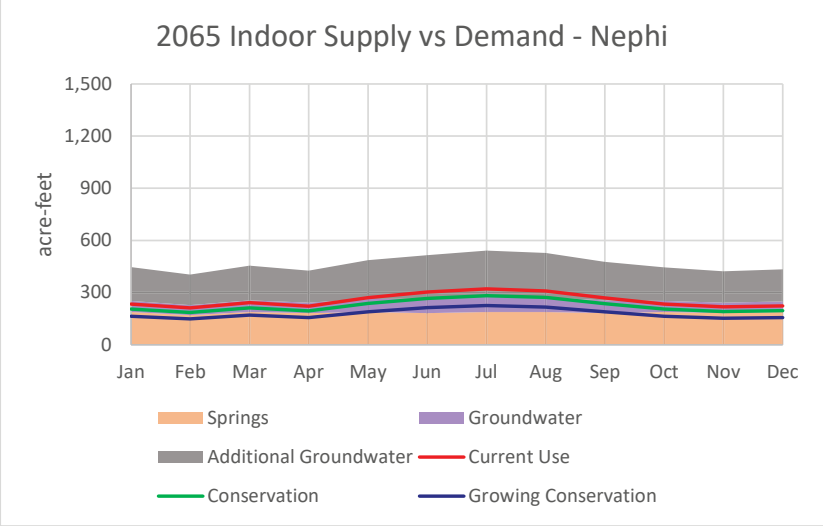

2050 Outdoor Supply vs Demand - Nephi - no converted ag
acre-feet
1,000
900
800
700
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

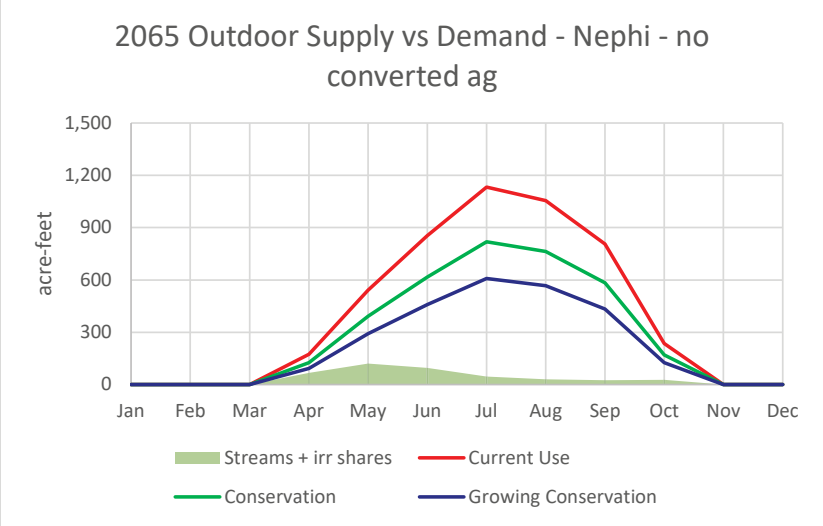

2060 Total Supply vs Demand - Nephi - no converted ag
acre-feet
1,500
1,000
500
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

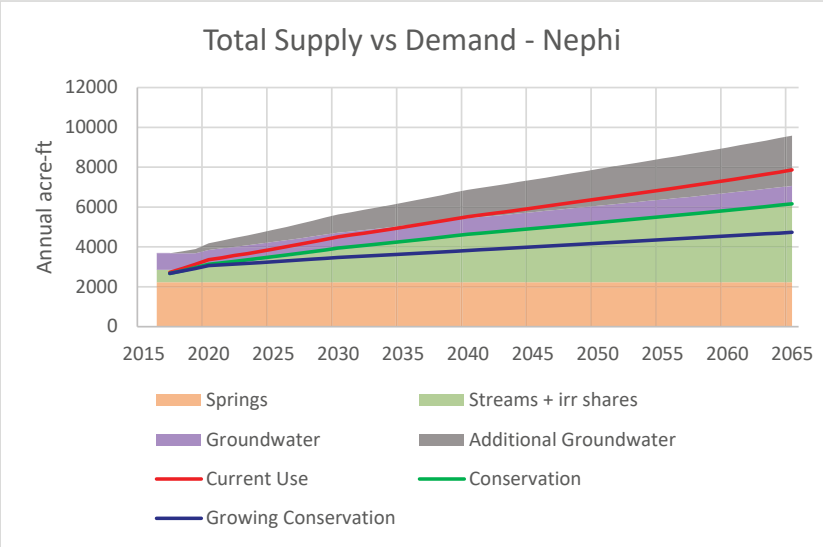

2060 Indoor Supply vs Demand - Nephi
acre-feet
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

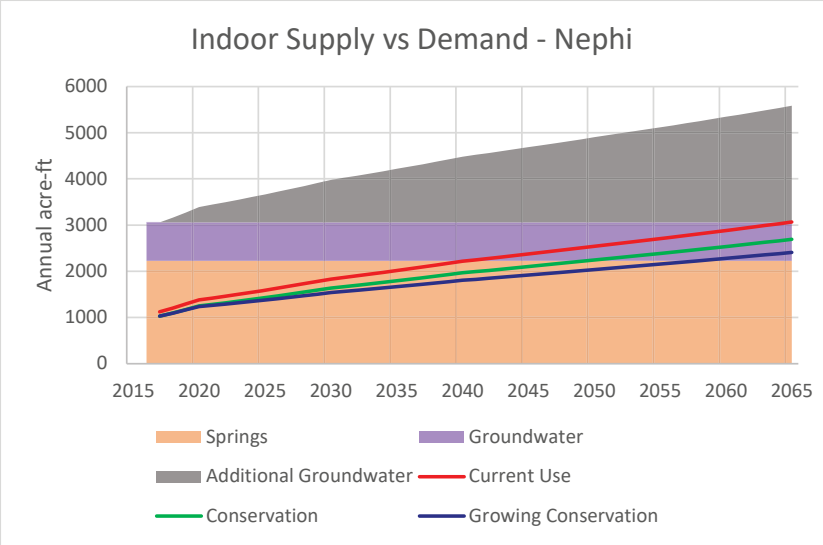

2060 Outdoor Supply vs Demand - Nephi - no converted ag
acre-feet
1,200
1,000
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

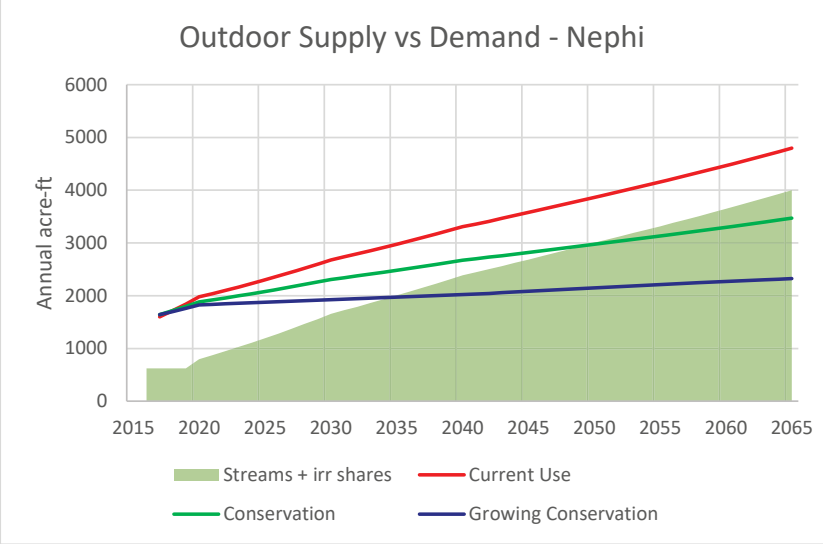

2065 Total Supply vs Demand - Nephi - no converted ag
acre-feet
1,500
1,200
900
600
300
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

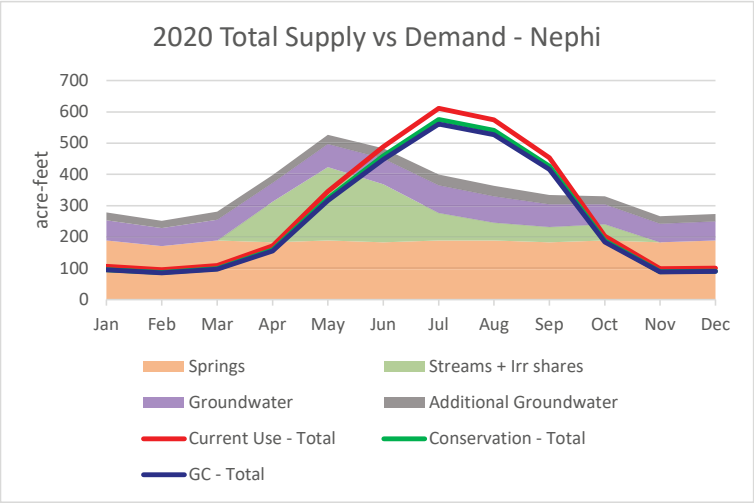

2065 Indoor Supply vs Demand - Nephi
acre-feet
1,500
1,200
900
600
300
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

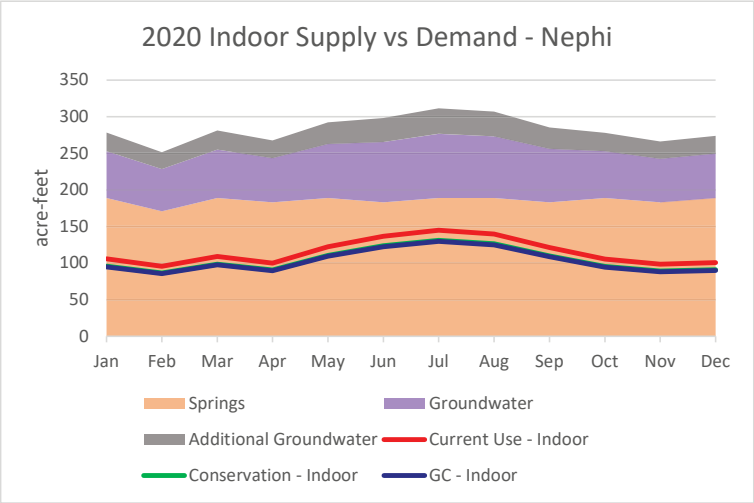

2065 Outdoor Supply vs Demand - Nephi - no converted ag
acre-feet
1,500
1,200
900
600
300
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Streams + irr shares
Current Use
Conservation
Growing Conservation

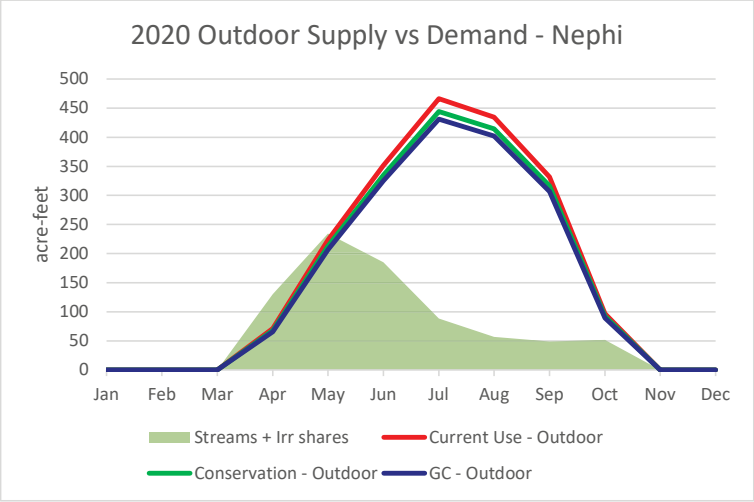

Total Supply vs Demand - Nephi
Annual acre-ft
12000
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

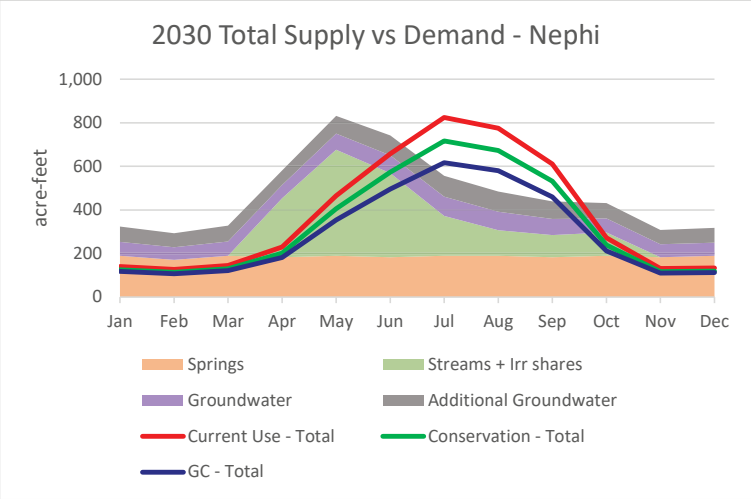

Indoor Supply vs Demand - Nephi
Annual acre-ft
6000
5000
4000
3000
2000
1000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

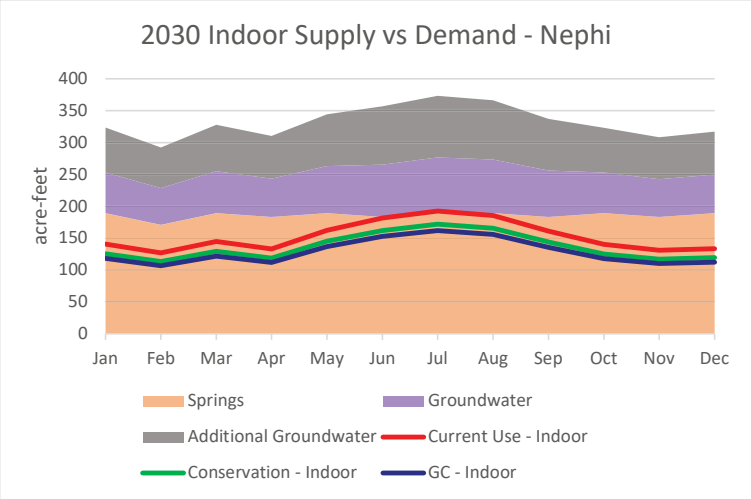

Outdoor Supply vs Demand - Nephi
Annual acre-ft
6000
5000
4000
3000
2000
1000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Streams + irr shares
Current Use
Conservation
Growing Conservation

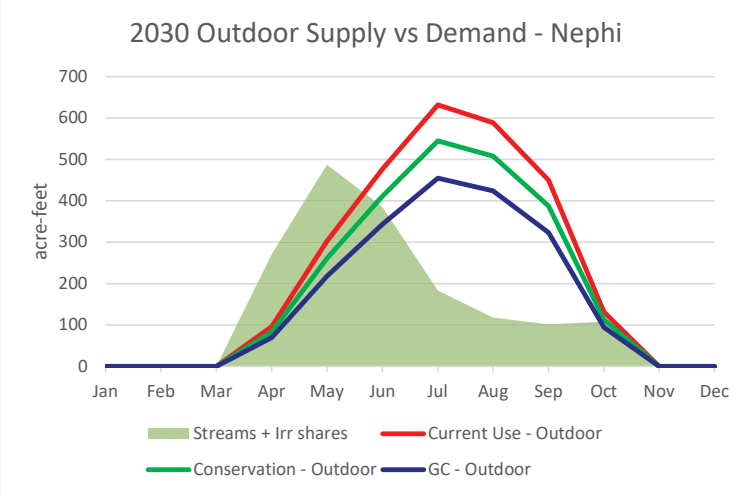

2020 Total Supply vs Demand - Nephi
acre-feet
700
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

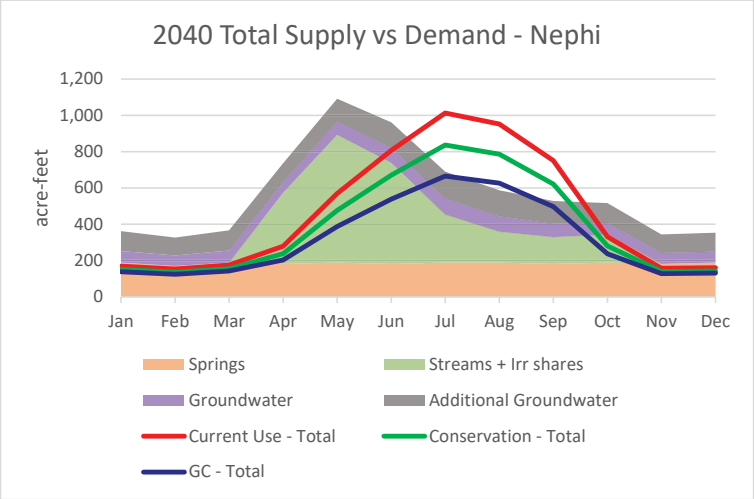

2020 Indoor Supply vs Demand - Nephi
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

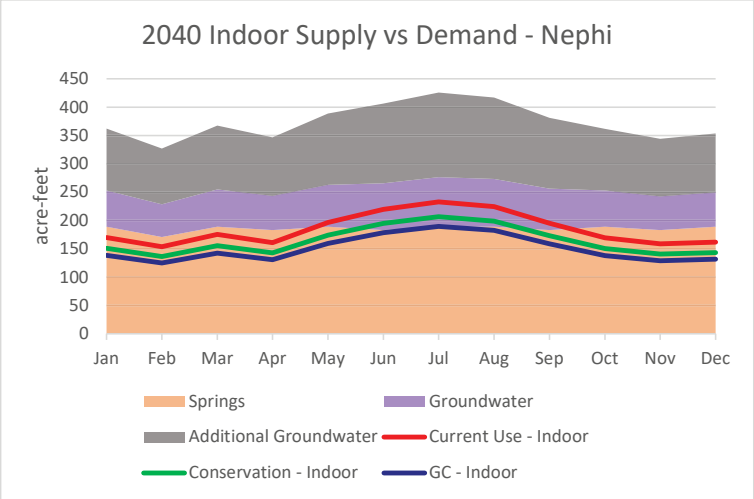

2020 Outdoor Supply vs Demand - Nephi
acre-feet
500
450
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

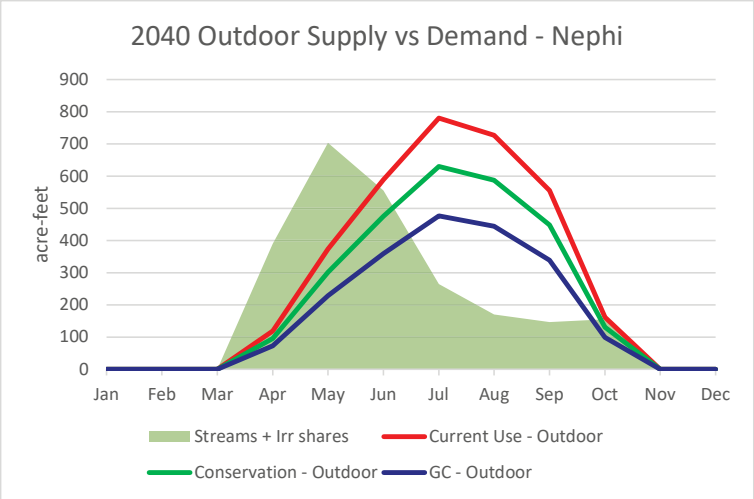

2030 Total Supply vs Demand - Nephi
1,000
800
600
400
200
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

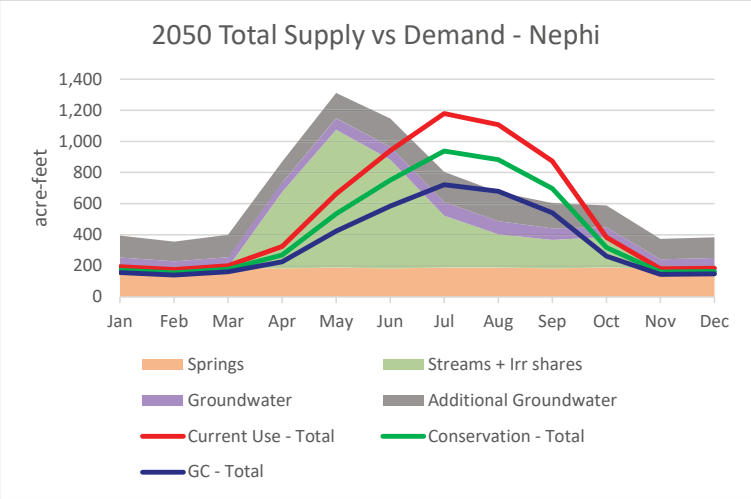

2030 Indoor Supply vs Demand - Nephi
400
350
300
250
200
150
100
50
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

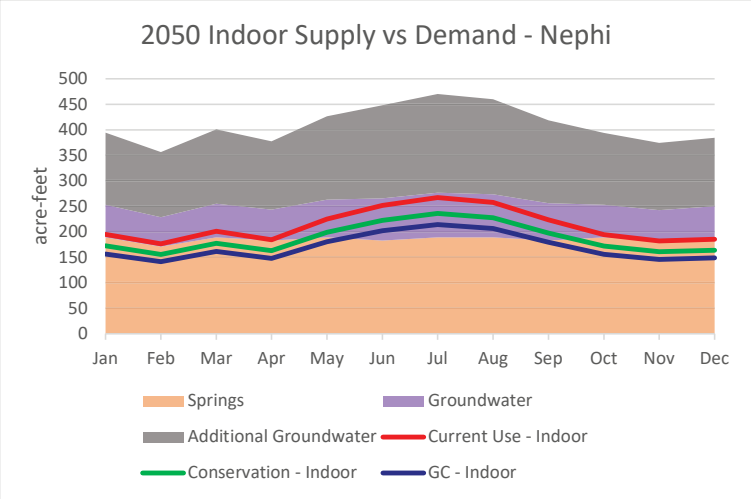

2030 Outdoor Supply vs Demand - Nephi
700
600
500
400
300
200
100
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

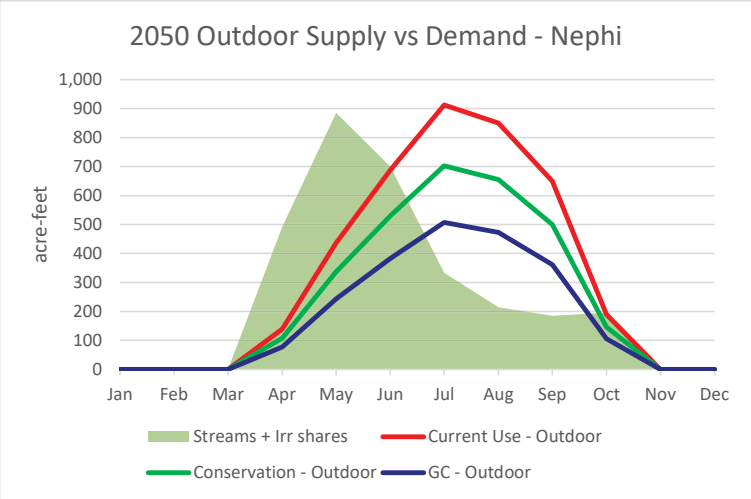

2040 Total Supply vs Demand - Nephi
acre-feet
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

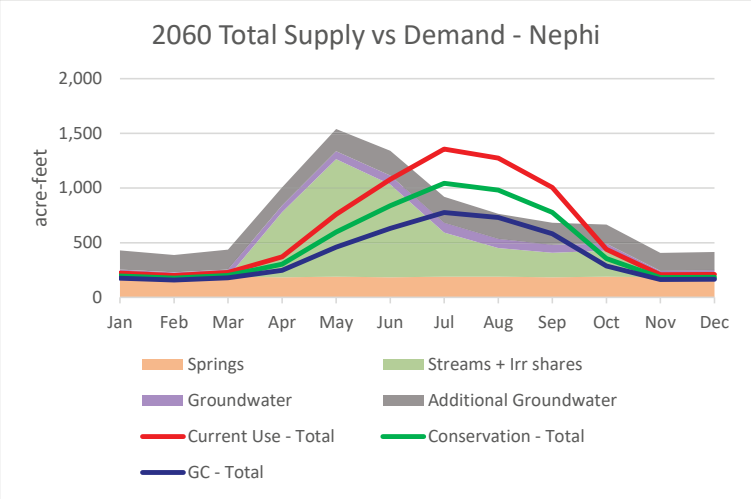

2040 Indoor Supply vs Demand - Nephi
acre-feet
450
400
350
300
250
200
150
100
50
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

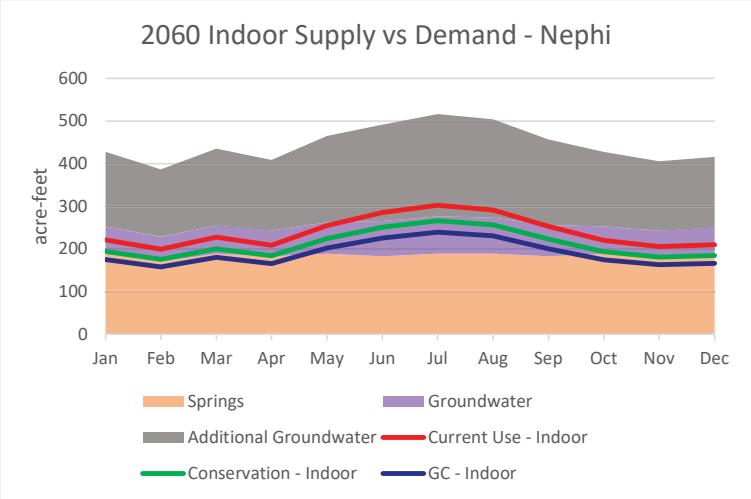

2040 Outdoor Supply vs Demand - Nephi
acre-feet
900
800
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

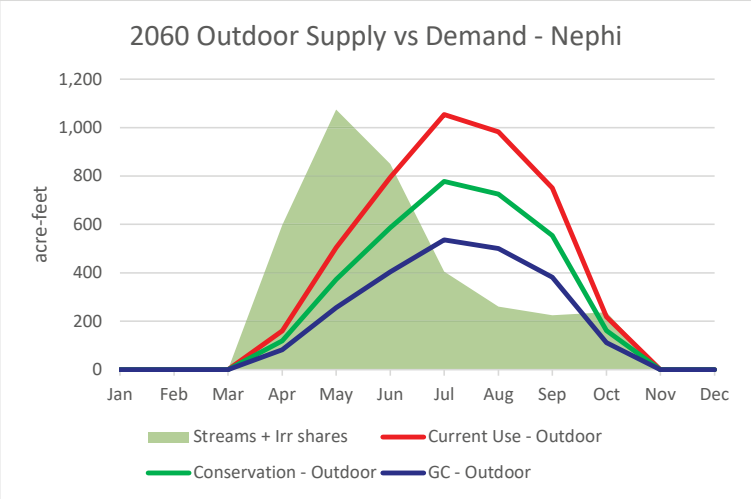

2050 Total Supply vs Demand - Nephi
acre-feet
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

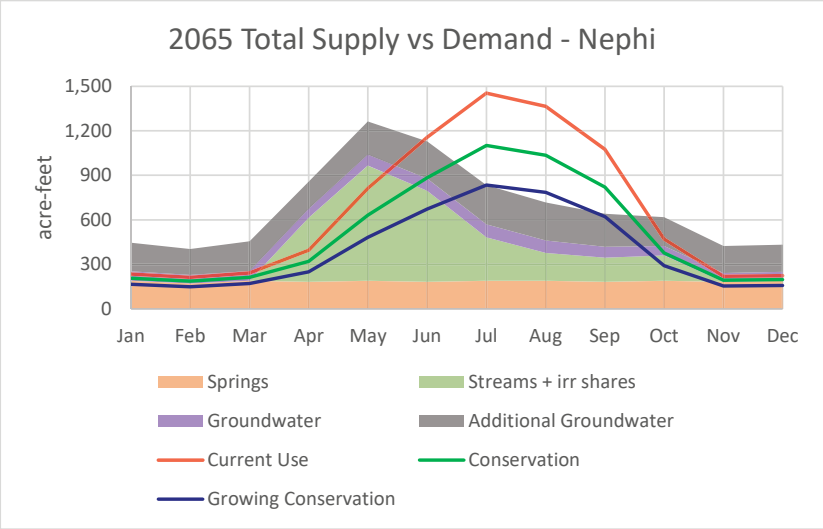

2050 Indoor Supply vs Demand - Nephi
acre-feet
500
450
400
350
300
250
200
150
100
50
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

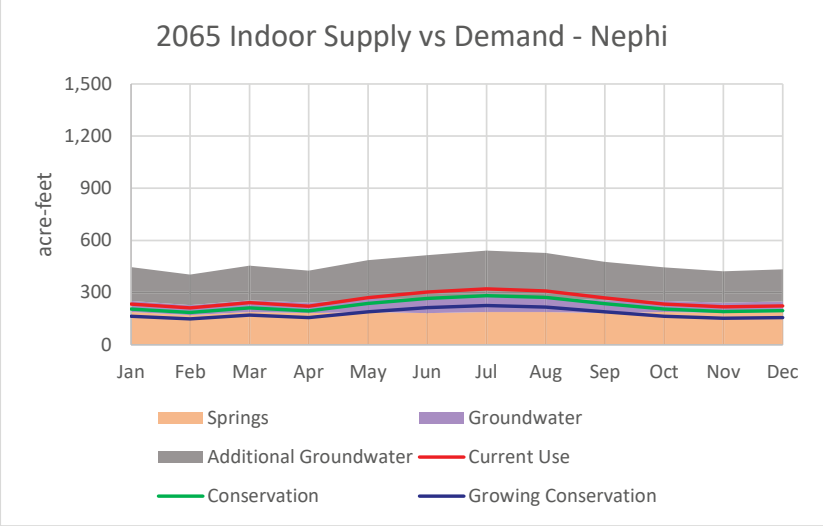

2050 Outdoor Supply vs Demand - Nephi
acre-feet
1,000
900
800
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

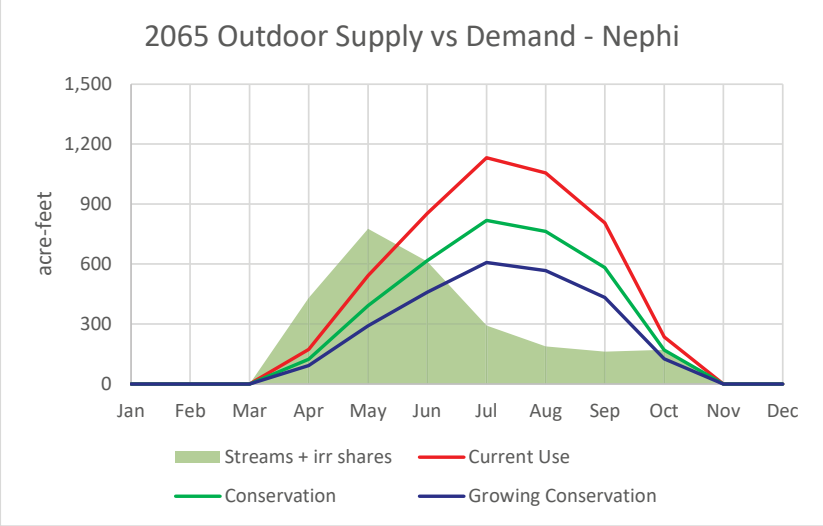

2060 Total Supply vs Demand - Nephi
acre-feet
2,000
1,500
1,000
500
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Nephi
acre-feet
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

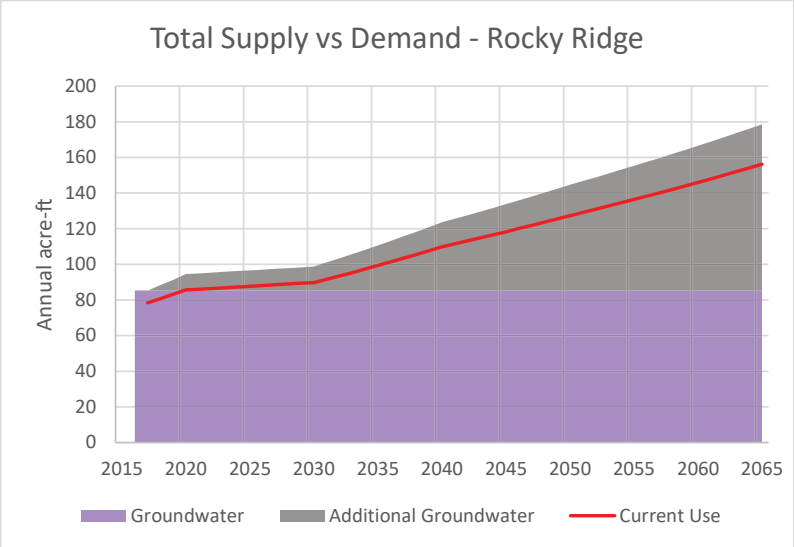

2060 Outdoor Supply vs Demand - Nephi
acre-feet
1,200
1,000
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

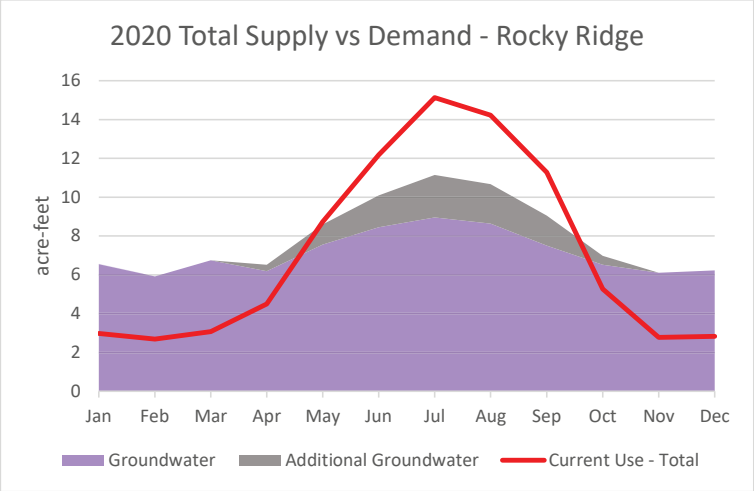

2065 Total Supply vs Demand - Nephi
acre-feet
1,500
1,200
900
600
300
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

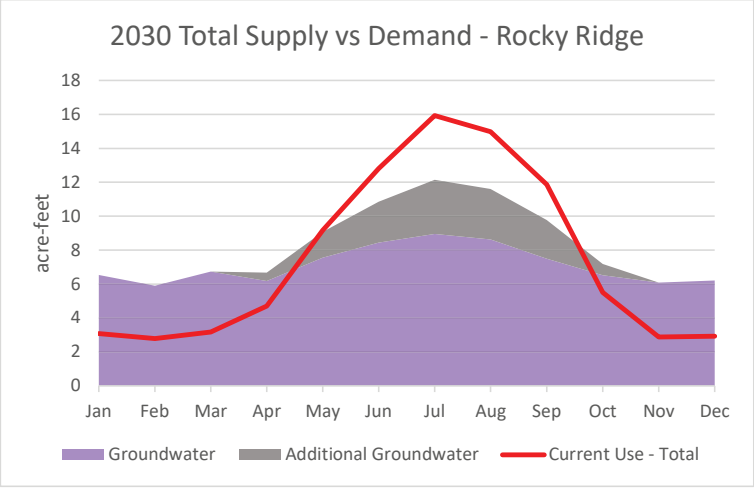

2065 Indoor Supply vs Demand - Nephi
acre-feet
1,500
1,200
900
600
300
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

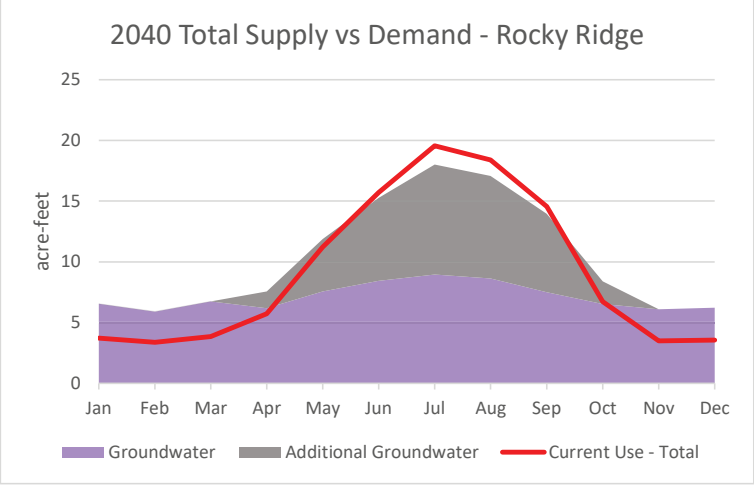

2065 Outdoor Supply vs Demand - Nephi
acre-feet
1,500
1,200
900
600
300
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Streams + irr shares
Current Use
Conservation
Growing Conservation

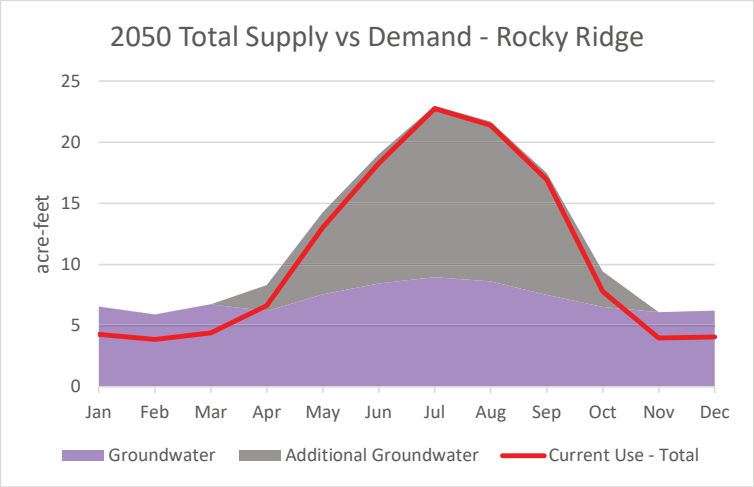
ROCKY RIDGE

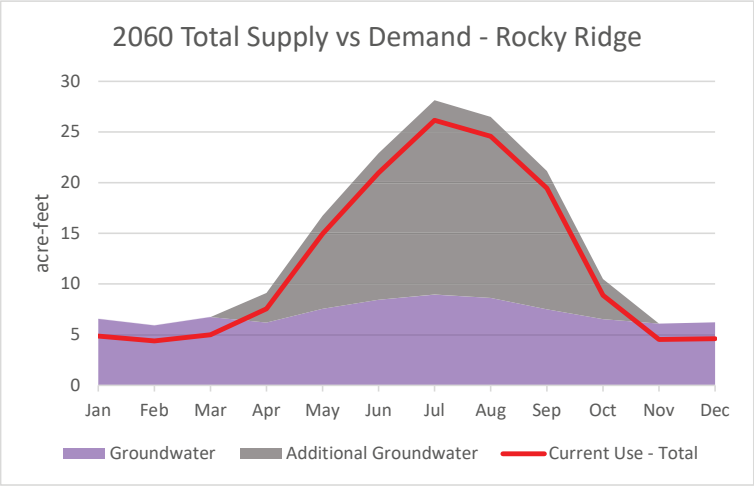

Total Supply vs Demand - Rocky Ridge
Annual acre-ft
200
180
160
140
120
100
80
60
40
20
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Groundwater
Additional Groundwater
Current Use


2020 Total Supply vs Demand - Rocky Ridge
acre-feet
16
14
12
10
8
6
4
2
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Total


2030 Total Supply vs Demand - Rocky Ridge
acre-feet
18
16
14
12
10
8
6
4
2
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Total


2040 Total Supply vs Demand - Rocky Ridge
acre-feet
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Total


2050 Total Supply vs Demand - Rocky Ridge
acre-feet
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Total


2060 Total Supply vs Demand - Rocky Ridge
acre-feet
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Total

JUAB COUNTY AND SOUTH UTAH COUNTY
WATER SUPPLY & INFRASTRUCTURE PLAN FORMULATION PROJECT
TASKS 5 & 6 TECHNICAL REPORT – JUAB COUNTY
APRIL 16, 2012

APPENDIX B
ANNUAL WATER DEMAND CALCULATIONS FOR CITIES

APPENDIX C
ANNUAL WATER SUPPLY DATA FOR CITIES

APPENDIX D
MONTHLY WATER SUPPLY & DEMAND TABLES FOR CITIES

APPENDIX B

ANNUAL WATER DEMAND CALCULATIONS FOR CITIES

Mona Town

Population Projections

Projected Growth	Census	Projections						
Mona	**2010**	**2017**	**2020**	**2030**	**2040**	**2050**	**2060**	**2065**
Baseline Population		1,825	2038	2705	3274	3754	4252	4525
Baseline Annual Growth Rate			3.7%	2.9%	1.9%	1.4%	1.3%	1.3%

Growing Conservation

Growing Conservation								
		2017	**2020**	**2030**	**2040**	**2050**	**2060**	**2065**
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor/Outdoor Use					
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use^ (acre-feet)		Indoor Estimated ERCs*	Outdoor Estimated ERCs
2017	523	195	197		528	575
2018	542	231	239		561	608

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections wasn't used since all use was not reported. ERCs were estimated by talking with Jonathan Jones and using the ERCs calculation from Mona City master plan (Sunrise Engineering, 2014)
Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use

^Sunrise Engineering in 2014 estimated 25% of Mona City connections use culinary water for irrigation purposes with 1/3 acre assumed irrigated per ERC (Mona City Culinary Water System Master Plan, Sunrise Engineering, 2014). On September 6, 2019 I talked to the water system operator for Mona City, Jonathan Johnson. He said looking at the billing data recently, he estimates 1/3 of the residents use culinary to irrigate along with the cemetary. Assume an additional 2/3 of Mona City connections of irrigation with unreported use from Mona Irrigation Company which we estimated and included in the use. See calculations below.

Mona Town Projected Water Requirement

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios					
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation Rates	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation Rates	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Acres (acres)	Annual Volume (acre-feet)
2016															
2017	1,825	528	177	207	177	575	367	374	367	544	544	1.000	544	3,528	10,584
2018	1,893	548	184	215	183	597	377	389	374	561	603	0.994	557	3,516	10,549
2019	1,964	568	191	223	189	619	388	404	381	579	627	0.988	570	3,504	10,513
2020	2,038	590	198	231	195	642	399	420	388	597	651	0.981	583	3,492	10,475
2021	2,096	607	204	238	200	661	408	433	391	612	671	0.972	591	3,482	10,446
2022	2,157	624	210	245	204	679	417	446	395	627	691	0.963	599	3,472	10,415
2023	2,219	642	216	252	209	699	426	460	399	642	712	0.954	608	3,461	10,383
2024	2,282	660	222	259	213	719	436	474	403	658	733	0.945	616	3,450	10,351
2025	2,348	679	228	266	218	740	446	489	406	675	755	0.936	625	3,439	10,317
2026	2,415	699	235	274	223	761	457	504	410	692	778	0.927	634	3,428	10,283
2027	2,485	719	242	282	228	783	468	519	414	709	801	0.919	643	3,416	10,248
2028	2,556	739	248	290	233	805	479	535	419	727	825	0.910	652	3,404	10,211
2029	2,629	761	256	298	239	828	490	552	423	746	850	0.901	661	3,391	10,174
2030	2,705	783	263	307	244	852	502	569	427	765	876	0.893	671	3,378	10,135
2031	2,757	798	268	313	248	869	510	581	430	778	894	0.888	678	3,370	10,109
2032	2,810	813	273	319	252	885	519	593	434	792	912	0.884	686	3,361	10,082
2033	2,864	829	278	325	256	902	528	606	438	806	931	0.879	693	3,351	10,054
2034	2,920	845	284	331	260	920	537	619	441	820	950	0.874	701	3,342	10,026
2035	2,976	861	289	337	264	938	546	632	445	835	970	0.869	709	3,332	9,997
2036	3,033	878	295	344	268	956	555	646	449	850	990	0.865	717	3,323	9,968
2037	3,092	894	301	351	272	974	565	660	452	865	1,010	0.860	725	3,313	9,938
2038	3,151	912	306	357	277	993	574	674	456	881	1,031	0.856	733	3,303	9,908
2039	3,212	929	312	364	281	1,012	584	688	460	897	1,052	0.851	741	3,292	9,877
2040	3,274	947	318	371	286	1,032	594	703	464	913	1,074	0.847	750	3,282	9,845
2041	3,319	960	323	376	289	1,046	602	714	468	925	1,090	0.845	757	3,274	9,822
2042	3,365	973	327	382	293	1,060	610	725	472	937	1,107	0.844	765	3,266	9,799
2043	3,411	987	332	387	296	1,075	618	736	477	949	1,123	0.842	773	3,258	9,775
2044	3,458	1,000	336	392	300	1,090	626	748	481	962	1,140	0.841	781	3,250	9,751
2045	3,506	1,014	341	398	304	1,105	634	760	485	975	1,157	0.840	789	3,242	9,727
2046	3,554	1,028	345	403	307	1,120	642	772	490	988	1,175	0.838	797	3,234	9,702
2047	3,603	1,042	350	409	311	1,135	651	784	494	1,001	1,193	0.837	806	3,226	9,677
2048	3,653	1,057	355	414	315	1,151	659	796	499	1,014	1,211	0.835	814	3,217	9,652
2049	3,703	1,071	360	420	319	1,167	668	809	504	1,028	1,229	0.834	822	3,209	9,626
2050	3,754	1,086	365	426	323	1,183	677	822	508	1,042	1,247	0.833	831	3,200	9,600
2051	3,801	1,100	369	431	326	1,198	685	834	512	1,055	1,265	0.831	839	3,192	9,576
2052	3,849	1,113	374	436	330	1,213	693	846	517	1,068	1,282	0.830	847	3,184	9,552
2053	3,897	1,127	379	442	334	1,228	702	858	521	1,081	1,300	0.828	855	3,176	9,527
2054	3,946	1,142	384	448	337	1,243	711	870	525	1,094	1,318	0.827	863	3,167	9,502
2055	3,995	1,156	388	453	341	1,259	719	883	530	1,108	1,336	0.826	871	3,159	9,477
2056	4,045	1,170	393	459	345	1,275	728	896	534	1,121	1,355	0.824	879	3,151	9,452
2057	4,096	1,185	398	465	349	1,291	737	909	539	1,135	1,373	0.823	887	3,142	9,426
2058	4,148	1,200	403	470	352	1,307	746	922	543	1,149	1,392	0.821	896	3,133	9,399
2059	4,200	1,215	408	476	356	1,323	756	935	548	1,164	1,412	0.820	904	3,124	9,373
2060	4,252	1,230	413	482	360	1,340	765	949	553	1,178	1,431	0.819	913	3,115	9,346
2061	4,306	1,246	419	488	364	1,357	774	963	557	1,193	1,451	0.817	921	3,106	9,319
2062	4,359	1,261	424	494	368	1,374	784	976	561	1,208	1,471	0.815	929	3,097	9,291
2063	4,414	1,277	429	501	372	1,391	794	991	566	1,223	1,491	0.813	938	3,088	9,264
2064	4,469	1,293	434	507	376	1,408	804	1,005	570	1,238	1,512	0.811	946	3,079	9,236
2065	4,525	1,309	440	513	380	1,426	814	1,019	575	1,254	1,533	0.809	955	3,069	9,207

Nephi City

Projected Growth	Census	Projections						
Nephi	**2010**	**2017**	**2020**	**2030**	**2040**	**2050**	**2060**	**2065**
Population		5,850	7,182	9,532	11,538	13,229	14,986	15,950
Annual Growth Rate			7.1%	2.9%	1.9%	1.4%	1.3%	1.3%

Growing Conservation

Growing Conservation								
		2017	**2020**	**2030**	**2040**	**2050**	**2060**	**2065**
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor Use					Outdoor Use				
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)		Estimated ERCs*	Number of Domestic Connections	Residential Use (acre-feet)		Total Use (acre-feet)	Estimated ERCs**
2017	2,030	1,194	1,688		2,869				374	2,352
2018	2,072	1,189	1,666		2,903				629	2,381

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

** Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use

"It is estimated that 700 of 2,300 residential connections have secondary water available for irrigation needs. The irrigation system is not expanding." (Nephi City Rural Development Preliminary Engineering Report, Sunrise Engineering, 2016)

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agriculture Land* (acres)	Annual Volume (ac-ft)
2016															
2017	5,850	2,869	1,030	1,125	1,030	2,352	1,642	1,600	1,642	2,671	2,671	1.000	2,671.4	11,907	
2018	6,264	3,072	1,098	1,204	1,094	2,519	1,716	1,716	1,700	2,815	2,920	0.994	2,793.5	11,907	
2019	6,707	3,289	1,171	1,289	1,162	2,697	1,797	1,842	1,761	2,968	3,131	0.988	2,923.5	11,907	35,721
2020	7,182	3,522	1,249	1,381	1,235	2,888	1,883	1,976	1,827	3,132	3,357	0.981	3,062.2	11,826	35,479
2021	7,388	3,623	1,283	1,420	1,262	2,971	1,920	2,037	1,836	3,203	3,457	0.972	3,098.7	11,791	35,374
2022	7,600	3,727	1,318	1,461	1,290	3,056	1,958	2,100	1,846	3,277	3,561	0.963	3,136.0	11,755	35,266
2023	7,819	3,834	1,354	1,503	1,319	3,144	1,998	2,165	1,856	3,352	3,668	0.954	3,174.3	11,718	35,154
2024	8,043	3,944	1,391	1,546	1,348	3,234	2,038	2,231	1,865	3,430	3,777	0.945	3,213.4	11,680	35,040
2025	8,274	4,057	1,429	1,590	1,378	3,327	2,080	2,300	1,875	3,509	3,891	0.936	3,253.5	11,641	34,922
2026	8,512	4,174	1,468	1,636	1,409	3,423	2,123	2,371	1,885	3,592	4,007	0.927	3,294.5	11,600	34,801
2027	8,756	4,294	1,509	1,683	1,441	3,521	2,167	2,444	1,896	3,676	4,127	0.919	3,336.4	11,559	34,676
2028	9,007	4,417	1,550	1,731	1,473	3,622	2,213	2,519	1,906	3,763	4,251	0.910	3,379.3	11,516	34,548
2029	9,266	4,544	1,593	1,781	1,507	3,726	2,260	2,597	1,916	3,852	4,378	0.901	3,423.2	11,472	34,416
2030	9,532	4,674	1,637	1,832	1,541	3,833	2,308	2,677	1,927	3,944	4,509	0.893	3,468.1	11,427	34,280
2031	9,716	4,764	1,667	1,868	1,565	3,907	2,341	2,734	1,936	4,008	4,602	0.888	3,501.1	11,396	34,187
2032	9,903	4,856	1,698	1,904	1,590	3,982	2,375	2,792	1,945	4,073	4,696	0.884	3,534.7	11,364	34,091
2033	10,094	4,950	1,729	1,940	1,615	4,059	2,410	2,852	1,954	4,139	4,792	0.879	3,568.8	11,331	33,994
2034	10,289	5,045	1,761	1,978	1,641	4,137	2,445	2,913	1,963	4,206	4,891	0.874	3,603.4	11,298	33,894
2035	10,487	5,143	1,794	2,016	1,667	4,217	2,481	2,975	1,972	4,275	4,991	0.869	3,638.6	11,264	33,793
2036	10,689	5,242	1,827	2,055	1,693	4,298	2,517	3,039	1,981	4,344	5,093	0.865	3,674.3	11,230	33,690
2037	10,895	5,343	1,861	2,094	1,720	4,381	2,555	3,103	1,990	4,416	5,198	0.860	3,710.6	11,195	33,585
2038	11,106	5,446	1,896	2,135	1,748	4,466	2,593	3,170	2,000	4,488	5,304	0.856	3,747.4	11,159	33,478
2039	11,320	5,551	1,931	2,176	1,776	4,552	2,631	3,237	2,009	4,562	5,413	0.851	3,784.7	11,123	33,369
2040	11,538	5,658	1,967	2,218	1,804	4,640	2,671	3,306	2,019	4,638	5,524	0.847	3,822.6	11,086	33,257
2041	11,697	5,736	1,993	2,248	1,826	4,703	2,700	3,358	2,031	4,693	5,607	0.845	3,857.3	11,059	33,176
2042	11,858	5,815	2,020	2,279	1,849	4,768	2,729	3,411	2,044	4,748	5,691	0.844	3,892.3	11,031	33,094
2043	12,021	5,895	2,047	2,311	1,871	4,834	2,758	3,465	2,057	4,805	5,776	0.842	3,927.8	11,004	33,011
2044	12,187	5,976	2,074	2,343	1,894	4,900	2,788	3,520	2,069	4,862	5,862	0.841	3,963.8	10,975	32,926
2045	12,355	6,058	2,102	2,375	1,918	4,968	2,819	3,575	2,082	4,920	5,950	0.840	4,000.1	10,947	32,841
2046	12,525	6,142	2,130	2,408	1,941	5,036	2,849	3,632	2,096	4,979	6,039	0.838	4,036.9	10,918	32,754
2047	12,697	6,226	2,158	2,441	1,965	5,106	2,881	3,689	2,109	5,039	6,130	0.837	4,074.1	10,889	32,666
2048	12,872	6,312	2,187	2,474	1,989	5,176	2,912	3,747	2,122	5,099	6,221	0.835	4,111.8	10,859	32,577
2049	13,049	6,399	2,216	2,508	2,014	5,247	2,944	3,806	2,136	5,160	6,314	0.834	4,150.0	10,829	32,487
2050	13,229	6,487	2,246	2,543	2,039	5,320	2,977	3,866	2,150	5,222	6,409	0.833	4,188.6	10,798	32,395
2051	13,395	6,569	2,273	2,575	2,062	5,386	3,007	3,922	2,161	5,280	6,497	0.831	4,223.1	10,770	32,310
2052	13,563	6,651	2,301	2,607	2,085	5,454	3,037	3,979	2,173	5,338	6,586	0.830	4,257.9	10,742	32,225
2053	13,733	6,735	2,329	2,640	2,108	5,522	3,068	4,037	2,185	5,397	6,677	0.828	4,293.1	10,713	32,138
2054	13,906	6,819	2,357	2,673	2,132	5,592	3,099	4,095	2,197	5,456	6,768	0.827	4,328.7	10,683	32,050
2055	14,080	6,905	2,386	2,707	2,156	5,662	3,131	4,155	2,209	5,517	6,861	0.826	4,364.7	10,654	31,961
2056	14,257	6,991	2,415	2,741	2,180	5,733	3,163	4,215	2,221	5,578	6,956	0.824	4,401.1	10,624	31,871
2057	14,436	7,079	2,445	2,775	2,204	5,805	3,195	4,276	2,234	5,640	7,051	0.823	4,437.9	10,593	31,780
2058	14,617	7,168	2,474	2,810	2,229	5,878	3,228	4,338	2,246	5,702	7,148	0.821	4,475.1	10,562	31,687
2059	14,800	7,258	2,505	2,845	2,254	5,951	3,261	4,401	2,259	5,766	7,246	0.820	4,512.7	10,531	31,594
2060	14,986	7,349	2,535	2,881	2,279	6,026	3,295	4,465	2,271	5,830	7,346	0.819	4,550.6	10,500	31,499
2061	15,174	7,441	2,566	2,917	2,304	6,102	3,329	4,529	2,282	5,895	7,446	0.817	4,586.3	10,468	31,403
2062	15,364	7,534	2,598	2,953	2,330	6,178	3,363	4,595	2,292	5,961	7,549	0.815	4,622.3	10,435	31,306
2063	15,557	7,629	2,629	2,991	2,356	6,256	3,398	4,662	2,303	6,027	7,652	0.813	4,658.7	10,403	31,208
2064	15,752	7,725	2,661	3,028	2,382	6,334	3,433	4,729	2,314	6,095	7,757	0.811	4,695.5	10,369	31,108
2065	15,950	7,822	2,694	3,066	2,408	6,414	3,469	4,797	2,325	6,163	7,864	0.809	4,732.7	10,336	31,007

Rocky Ridge Town

Projected Growth	Census	Projections						
	2010	2017	2020	2030	2040	2050	2060	2065
Population		840	914	948	1,147	1,315	1,490	1,586
Annual Growth Rate			2.9%	0.4%	1.9%	1.4%	1.3%	1.3%

Growing Conservation

Growing Conservation								
		2017	2020	2030	2040	2050	2060	2065
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor Use/Outdoor Use			
	Number of Domestic	Residential Use	Total Use (acre-feet)	Estimated ERCs*
2017	87	69	72	91
2018	108	76	81	114

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

** Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use

Year	Population Projection	Drinking Water			Pressurized Irrigation			Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agriculture Land (acres)	Annual Volume (ac-ft)
2017	840	91	31	36	91	41	43	72	72	1.000	71.5	178	
2018	864	94	31	37	94	42	44	74	81	0.994	73.1	178	
2019	889	96	32	38	96	44	45	76	83	0.988	74.7	178	534
2020	914	99	33	39	99	45	47	78	86	0.981	76.4	174	521
2021	917	99	33	39	99	45	47	78	86	0.972	75.9	173	520
2022	921	100	34	39	100	45	47	79	86	0.963	75.5	173	519
2023	924	100	34	39	100	46	48	79	87	0.954	75.1	173	519
2024	927	100	34	39	100	46	48	80	87	0.945	74.6	173	518
2025	931	101	34	40	101	46	48	80	88	0.936	74.2	172	517
2026	934	101	34	40	101	46	48	80	88	0.927	73.8	172	516
2027	938	102	34	40	102	47	49	81	89	0.919	73.4	172	516
2028	941	102	34	40	102	47	49	81	89	0.910	72.9	172	515
2029	945	102	34	40	102	47	49	82	89	0.901	72.5	171	514
2030	948	103	35	40	103	47	50	82	90	0.893	72.1	171	513
2031	966	105	35	41	105	48	51	84	92	0.888	73.1	170	510
2032	985	107	36	42	107	50	52	85	94	0.884	74.1	169	506
2033	1,004	109	37	43	109	51	53	87	95	0.879	75.1	167	502
2034	1,023	111	37	43	111	52	54	89	97	0.874	76.2	166	497
2035	1,043	113	38	44	113	53	55	91	99	0.869	77.2	164	493
2036	1,063	115	39	45	115	54	56	93	101	0.865	78.3	163	489
2037	1,083	117	39	46	117	55	57	94	103	0.860	79.3	161	484
2038	1,104	120	40	47	120	56	59	96	106	0.856	80.4	160	480
2039	1,125	122	41	48	122	57	60	98	108	0.851	81.6	158	475
2040	1,147	124	42	49	124	59	61	100	110	0.847	82.7	157	471
2041	1,163	126	42	49	126	60	62	102	112	0.845	83.7	156	467
2042	1,179	128	43	50	128	60	63	103	113	0.844	84.7	155	464
2043	1,195	129	43	51	129	61	64	105	115	0.842	85.7	153	460
2044	1,211	131	44	51	131	62	65	106	117	0.841	86.7	152	457
2045	1,228	133	45	52	133	63	66	108	118	0.840	87.8	151	453
2046	1,245	135	45	53	135	64	67	110	120	0.838	88.9	150	450
2047	1,262	137	46	54	137	65	68	111	122	0.837	89.9	149	446
2048	1,280	139	47	54	139	66	69	113	124	0.835	91.0	147	442
2049	1,297	141	47	55	141	67	70	115	126	0.834	92.1	146	439
2050	1,315	142	48	56	142	69	72	116	127	0.833	93.2	145	435
2051	1,332	144	48	57	144	70	73	118	129	0.831	94.2	144	431
2052	1,348	146	49	57	146	71	74	120	131	0.830	95.3	143	428
2053	1,365	148	50	58	148	72	75	121	133	0.828	96.3	141	424
2054	1,382	150	50	59	150	73	76	123	135	0.827	97.3	140	420
2055	1,400	152	51	59	152	74	77	125	136	0.826	98.4	139	417
2056	1,417	154	52	60	154	75	78	126	138	0.824	99.5	138	413
2057	1,435	155	52	61	155	76	79	128	140	0.823	100.5	136	409
2058	1,453	157	53	62	157	77	80	130	142	0.821	101.6	135	405
2059	1,471	159	54	62	159	78	81	132	144	0.820	102.7	134	401
2060	1,490	161	54	63	161	79	83	133	146	0.819	103.9	132	397
2061	1,509	163	55	64	163	80	84	135	148	0.817	104.9	131	393
2062	1,528	166	56	65	166	81	85	137	150	0.815	106.0	130	389
2063	1,547	168	56	66	168	83	86	139	152	0.813	107.1	128	385
2064	1,566	170	57	67	170	84	88	141	154	0.811	108.2	127	381
2065	1,586	172	58	67	172	85	89	143	156	0.809	109.3	126	377

APPENDIX C

ANNUAL WATER SUPPLY DATA FOR CITIES

Mona

Growth of Wells 0.25 Af/capita

Category	AF/y			AF/y		
Recharge	5960	25-yr low stream (irr season)		2894	SVP Acres	0
DW Well Righ	199.12	25-yr low stream (year)		4155	SVP Shares	0
SW Well Righ	0	Total IC Shares		8008	AF/SVP share	1
Well Rights	199.12	City IC Shares			Irr Acres (Table 2-3)	
Current Pumping		AF/IC Share (low year)		1	Irr Shares (Richard's table)	315
Rem. Safe Yie	2275	ULS		0	Spring Capacity (Richard's table)	240
2065 Well Su	2275	Reuse		0	total subarea acres	
Dry Year Volume		SF Total available		0	SVP initial	0
2018 Use	0	SF initial		0	North Canyon IC Volume	5857
			10283	2980	8008	1

	Additional Gr	Springs	Groundwat	Streams + i	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	387	0	315	0	0	0	315	0	0%	315
2017	0	387	0	315	0	0	0	315	0	0%	315
2018	17	387	0	340	0	0	0	340	0	0%	315
2019	35	387	0	367	0	0	0	367	0	1%	315
2020	53	387	0	394	0	0	0	394	0	1%	315
2021	68	387	0	416	0	0	0	416	0	1%	315
2022	83	387	0	438	0	0	0	438	0	2%	315
2023	98	387	0	461	0	0	0	461	0	2%	315
2024	114	387	0	485	0	0	0	485	0	2%	315
2025	131	387	0	509	0	0	0	509	0	3%	315
2026	148	387	0	534	0	0	0	534	0	3%	315
2027	165	387	0	560	0	0	0	560	0	3%	315
2028	183	387	0	586	0	0	0	586	0	4%	315
2029	201	387	0	611	0	0	0	611	0	4%	315
2030	220	387	0	620	0	0	0	620	0	4%	315
2031	233	387	0	627	0	0	0	627	0	4%	315
2032	246	387	0	633	0	0	0	633	0	5%	315
2033	260	387	0	640	0	0	0	640	0	5%	315
2034	274	387	0	646	0	0	0	646	0	5%	315
2035	288	387	0	653	0	0	0	653	0	6%	315
2036	302	387	0	660	0	0	0	660	0	6%	315
2037	317	387	0	667	0	0	0	667	0	6%	315
2038	332	387	0	674	0	0	0	674	0	6%	315
2039	347	387	0	682	0	0	0	682	0	7%	315
2040	362	387	0	689	0	0	0	689	0	7%	315
2041	374	387	0	694	0	0	0	694	0	7%	315
2042	385	387	0	700	0	0	0	700	0	7%	315
2043	397	387	0	706	0	0	0	706	0	8%	315
2044	408	387	0	711	0	0	0	711	0	8%	315
2045	420	387	0	717	0	0	0	717	0	8%	315
2046	432	387	0	723	0	0	0	723	0	8%	315
2047	444	387	0	729	0	0	0	729	0	9%	315
2048	457	387	0	735	0	0	0	735	0	9%	315
2049	469	387	0	741	0	0	0	741	0	9%	315
2050	482	387	0	747	0	0	0	747	0	9%	315
2051	494	387	0	753	0	0	0	753	0	10%	315
2052	506	387	0	758	0	0	0	758	0	10%	315
2053	518	387	0	764	0	0	0	764	0	10%	315
2054	530	387	0	770	0	0	0	770	0	10%	315
2055	543	387	0	776	0	0	0	776	0	10%	315
2056	555	387	0	782	0	0	0	782	0	11%	315
2057	568	387	0	788	0	0	0	788	0	11%	315
2058	581	387	0	794	0	0	0	794	0	11%	315
2059	594	387	0	801	0	0	0	801	0	11%	315
2060	607	387	0	807	0	0	0	807	0	12%	315
2061	620	387	0	814	0	0	0	814	0	12%	315
2062	634	387	0	820	0	0	0	820	0	12%	315
2063	647	387	0	827	0	0	0	827	0	12%	315
2064	661	387	0	833	0	0	0	833	0	13%	315
2065	675	387	0	840	0	0	0	840	0	13%	315

Nephi

Growth of Wells 0.25 Af/capita

Category	AF/y		AF/y		
Recharge	5730	25-yr low stream (irr season)	4746	SVP Acres	0
DW Well Righ	3721	25-yr low stream (year)	6500	SVP Shares	0
SW Well Righ	0	Total IC Shares	26216	AF/SVP share	1
Well Rights	3721	City IC Shares		Irr Acres (Table 2-3)	
Current Pumping		AF/IC Share (low year)	1	Irr Shares (Richard's table)	622
Rem. Safe Yie	4040	ULS	0	Spring Capacity (Richard's table)	1380.037
2065 Well Su	4873.2	Reuse	0	total subarea acres	
Dry Year Volu	5119	SF Total available	0	SVP initial	0
2018 Use	833.2	SF initial	0		

					25137	2865		26216		1	
	Additional Gr	Springs	Groundwat	Streams + i	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	2226	833	622	0	0	0	622	0	0%	622
2017	0	2226	833	622	0	0	0	622	0	0%	622
2018	104	2226	833	622	0	0	0	622	0	0%	622
2019	214	2226	833	622	0	0	0	622	0	0%	622
2020	333	2226	833	795	0	0	0	795	0	1%	622
2021	385	2226	833	871	0	0	0	871	0	1%	622
2022	438	2226	833	948	0	0	0	948	0	1%	622
2023	492	2226	833	1028	0	0	0	1028	0	2%	622
2024	548	2226	833	1110	0	0	0	1110	0	2%	622
2025	606	2226	833	1194	0	0	0	1194	0	2%	622
2026	665	2226	833	1281	0	0	0	1281	0	3%	622
2027	726	2226	833	1371	0	0	0	1371	0	3%	622
2028	789	2226	833	1462	0	0	0	1462	0	3%	622
2029	854	2226	833	1557	0	0	0	1557	0	4%	622
2030	920	2226	833	1654	0	0	0	1654	0	4%	622
2031	966	2226	833	1721	0	0	0	1721	0	4%	622
2032	1013	2226	833	1790	0	0	0	1790	0	5%	622
2033	1061	2226	833	1860	0	0	0	1860	0	5%	622
2034	1110	2226	833	1931	0	0	0	1931	0	5%	622
2035	1159	2226	833	2003	0	0	0	2003	0	5%	622
2036	1210	2226	833	2077	0	0	0	2077	0	6%	622
2037	1261	2226	833	2152	0	0	0	2152	0	6%	622
2038	1314	2226	833	2229	0	0	0	2229	0	6%	622
2039	1367	2226	833	2307	0	0	0	2307	0	7%	622
2040	1422	2226	833	2387	0	0	0	2387	0	7%	622
2041	1462	2226	833	2445	0	0	0	2445	0	7%	622
2042	1502	2226	833	2504	0	0	0	2504	0	7%	622
2043	1543	2226	833	2564	0	0	0	2564	0	8%	622
2044	1584	2226	833	2624	0	0	0	2624	0	8%	622
2045	1626	2226	833	2686	0	0	0	2686	0	8%	622
2046	1669	2226	833	2748	0	0	0	2748	0	8%	622
2047	1712	2226	833	2811	0	0	0	2811	0	9%	622
2048	1756	2226	833	2875	0	0	0	2875	0	9%	622
2049	1800	2226	833	2939	0	0	0	2939	0	9%	622
2050	1845	2226	833	3005	0	0	0	3005	0	9%	622
2051	1886	2226	833	3066	0	0	0	3066	0	10%	622
2052	1928	2226	833	3127	0	0	0	3127	0	10%	622
2053	1971	2226	833	3189	0	0	0	3189	0	10%	622
2054	2014	2226	833	3252	0	0	0	3252	0	10%	622
2055	2058	2226	833	3316	0	0	0	3316	0	11%	622
2056	2102	2226	833	3381	0	0	0	3381	0	11%	622
2057	2146	2226	833	3446	0	0	0	3446	0	11%	622
2058	2192	2226	833	3512	0	0	0	3512	0	11%	622
2059	2238	2226	833	3579	0	0	0	3579	0	12%	622
2060	2284	2226	833	3647	0	0	0	3647	0	12%	622
2061	2331	2226	833	3716	0	0	0	3716	0	12%	622
2062	2379	2226	833	3785	0	0	0	3785	0	12%	622
2063	2427	2226	833	3856	0	0	0	3856	0	13%	622
2064	2476	2226	833	3927	0	0	0	3927	0	13%	622
2065	2525	2226	833	3999	0	0	0	3999	0	13%	622

Rocky Ridge

Category	AF/y			AF/y		
Recharge	1040	25-yr low stream (irr season)		0	SVP Acres	0
DW Well Righ	130.314	25-yr low stream (year)		0	SVP Shares	0
SW Well Right	0	Total IC Shares			AF/SVP share	1
Well Rights	130.314	City IC Shares			Irr Acres (Table 2-3)	
Current Pumping		AF/IC Share (low year)			Irr Shares (Richard's table)	0
Rem. Safe Yie	165	ULS		0	Spring Capacity (Richard's table)	0
2065 Well Sup	250.3	Reuse		0	total subarea acres	
Dry Year Volume		SF Total available		0	SVP initial	0
2018 Use	85.3	SF initial		0		
				165	520	0	1

	Additional Gr	Springs	Groundwat	Streams + irr	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	0	85	0	0	0	0	0	0	0%	0
2017	0	0	85	0	0	0	0	0	0	0%	0
2018	3	0	85	0	0	0	0	0	0	0%	0
2019	6	0	85	0	0	0	0	0	0	0%	0
2020	9	0	85	0	0	0	0	0	0	2%	0
2021	10	0	85	0	0	0	0	0	0	3%	0
2022	10	0	85	0	0	0	0	0	0	3%	0
2023	11	0	85	0	0	0	0	0	0	3%	0
2024	11	0	85	0	0	0	0	0	0	3%	0
2025	11	0	85	0	0	0	0	0	0	3%	0
2026	12	0	85	0	0	0	0	0	0	3%	0
2027	12	0	85	0	0	0	0	0	0	3%	0
2028	13	0	85	0	0	0	0	0	0	4%	0
2029	13	0	85	0	0	0	0	0	0	4%	0
2030	13	0	85	0	0	0	0	0	0	4%	0
2031	16	0	85	0	0	0	0	0	0	5%	0
2032	18	0	85	0	0	0	0	0	0	5%	0
2033	20	0	85	0	0	0	0	0	0	6%	0
2034	23	0	85	0	0	0	0	0	0	7%	0
2035	25	0	85	0	0	0	0	0	0	8%	0
2036	28	0	85	0	0	0	0	0	0	8%	0
2037	30	0	85	0	0	0	0	0	0	9%	0
2038	33	0	85	0	0	0	0	0	0	10%	0
2039	36	0	85	0	0	0	0	0	0	11%	0
2040	38	0	85	0	0	0	0	0	0	12%	0
2041	40	0	85	0	0	0	0	0	0	12%	0
2042	42	0	85	0	0	0	0	0	0	13%	0
2043	44	0	85	0	0	0	0	0	0	14%	0
2044	46	0	85	0	0	0	0	0	0	14%	0
2045	49	0	85	0	0	0	0	0	0	15%	0
2046	51	0	85	0	0	0	0	0	0	16%	0
2047	53	0	85	0	0	0	0	0	0	16%	0
2048	55	0	85	0	0	0	0	0	0	17%	0
2049	57	0	85	0	0	0	0	0	0	18%	0
2050	59	0	85	0	0	0	0	0	0	19%	0
2051	61	0	85	0	0	0	0	0	0	19%	0
2052	64	0	85	0	0	0	0	0	0	20%	0
2053	66	0	85	0	0	0	0	0	0	21%	0
2054	68	0	85	0	0	0	0	0	0	21%	0
2055	70	0	85	0	0	0	0	0	0	22%	0
2056	72	0	85	0	0	0	0	0	0	23%	0
2057	74	0	85	0	0	0	0	0	0	23%	0
2058	77	0	85	0	0	0	0	0	0	24%	0
2059	79	0	85	0	0	0	0	0	0	25%	0
2060	81	0	85	0	0	0	0	0	0	26%	0
2061	84	0	85	0	0	0	0	0	0	26%	0
2062	86	0	85	0	0	0	0	0	0	27%	0
2063	88	0	85	0	0	0	0	0	0	28%	0
2064	91	0	85	0	0	0	0	0	0	29%	0
2065	93	0	85	0	0	0	0	0	0	29%	0

APPENDIX D

MONTHLY WATER SUPPLY TABLES FOR CITIES

MONA

Explanation of Supply and Demand Tables – Mona City

Mona Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Mona Table 2: ULS. ULS water is not available for the City of Mona, therefore this table consists of all zeros.

Mona Table 3: Strawberry Valley Project. Strawberry Valley Project (SVP) water is not available for the City of Mona, therefore this table consists of all zeros.

Mona Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Mona Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Mona Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Mona Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Mona Table 8: Spanish Fork River. No Spanish Fork river water is provided to the City, therefore this table consists of all zeros.

Mona Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Mona Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Mona, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Mona Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Mona, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Mona Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Mona Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Mona Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Mona Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Mona Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Mona Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Mona Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in

2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Mona Table 19: Additional Groundwater – no ag conversion. This table is an alternate scenario from that of Table XX. The difference between this table and Table XX is that this table assumes that, as agriculture is a primary industry for Mona, agricultural land will not develop. Under this circumstance, no additional groundwater beyond the City's current water rights will be pumped.

Mona Table 20: Remaining Available Supply – Current Use – Outdoor – no ag conversion. Compare to Table 25. Additional groundwater is limited to the City's current water rights.

Mona Table 21: Remaining Available Supply – Conservation – Outdoor – no ag conversion. Compare to Table 28. Additional groundwater is limited to the City's current water rights.

Mona Table 22: Remaining Available Supply – Growing Conservation – Outdoor – no ag conversion. Compare to Table 31. Additional groundwater is limited to the City's current water rights.

Mona Table 23: Irrigation Shares – no conversion. This table is an alternate scenario from that of Table XX. The difference between this table and Table XX is that this table assumes that, as agriculture is a primary industry for Mona, agricultural land will not develop. Under this circumstance, no additional irrigation shares will convert to the City.

Mona Table 24: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mona Table 25: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mona Table 26: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mona Table 27: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mona Table 28: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mona Table 29: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Mona Table 30: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mona Table 31: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork

River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mona Table 32: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Mona Table 1

Mona													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	33	30	33	32	33	32	33	33	32	33	32	33	387
2017	33	30	33	32	33	32	33	33	32	33	32	33	387
2018	33	30	33	32	33	32	33	33	32	33	32	33	387
2019	33	30	33	32	33	32	33	33	32	33	32	33	387
2020	33	30	33	32	33	32	33	33	32	33	32	33	387
2021	33	30	33	32	33	32	33	33	32	33	32	33	387
2022	33	30	33	32	33	32	33	33	32	33	32	33	387
2023	33	30	33	32	33	32	33	33	32	33	32	33	387
2024	33	30	33	32	33	32	33	33	32	33	32	33	387
2025	33	30	33	32	33	32	33	33	32	33	32	33	387
2026	33	30	33	32	33	32	33	33	32	33	32	33	387
2027	33	30	33	32	33	32	33	33	32	33	32	33	387
2028	33	30	33	32	33	32	33	33	32	33	32	33	387
2029	33	30	33	32	33	32	33	33	32	33	32	33	387
2030	33	30	33	32	33	32	33	33	32	33	32	33	387
2031	33	30	33	32	33	32	33	33	32	33	32	33	387
2032	33	30	33	32	33	32	33	33	32	33	32	33	387
2033	33	30	33	32	33	32	33	33	32	33	32	33	387
2034	33	30	33	32	33	32	33	33	32	33	32	33	387
2035	33	30	33	32	33	32	33	33	32	33	32	33	387
2036	33	30	33	32	33	32	33	33	32	33	32	33	387
2037	33	30	33	32	33	32	33	33	32	33	32	33	387
2038	33	30	33	32	33	32	33	33	32	33	32	33	387
2039	33	30	33	32	33	32	33	33	32	33	32	33	387
2040	33	30	33	32	33	32	33	33	32	33	32	33	387
2041	33	30	33	32	33	32	33	33	32	33	32	33	387
2042	33	30	33	32	33	32	33	33	32	33	32	33	387
2043	33	30	33	32	33	32	33	33	32	33	32	33	387
2044	33	30	33	32	33	32	33	33	32	33	32	33	387
2045	33	30	33	32	33	32	33	33	32	33	32	33	387
2046	33	30	33	32	33	32	33	33	32	33	32	33	387
2047	33	30	33	32	33	32	33	33	32	33	32	33	387
2048	33	30	33	32	33	32	33	33	32	33	32	33	387
2049	33	30	33	32	33	32	33	33	32	33	32	33	387
2050	33	30	33	32	33	32	33	33	32	33	32	33	387
2051	33	30	33	32	33	32	33	33	32	33	32	33	387
2052	33	30	33	32	33	32	33	33	32	33	32	33	387
2053	33	30	33	32	33	32	33	33	32	33	32	33	387
2054	33	30	33	32	33	32	33	33	32	33	32	33	387
2055	33	30	33	32	33	32	33	33	32	33	32	33	387
2056	33	30	33	32	33	32	33	33	32	33	32	33	387
2057	33	30	33	32	33	32	33	33	32	33	32	33	387
2058	33	30	33	32	33	32	33	33	32	33	32	33	387
2059	33	30	33	32	33	32	33	33	32	33	32	33	387
2060	33	30	33	32	33	32	33	33	32	33	32	33	387
2061	33	30	33	32	33	32	33	33	32	33	32	33	387
2062	33	30	33	32	33	32	33	33	32	33	32	33	387
2063	33	30	33	32	33	32	33	33	32	33	32	33	387
2064	33	30	33	32	33	32	33	33	32	33	32	33	387
2065	33	30	33	32	33	32	33	33	32	33	32	33	387

Mona Table 2

Mona													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mona Table 3

Mona													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mona Table 4

Mona													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	58	96	44	35	28	27	27	0	0	315
2018	0	0	0	63	104	47	38	30	29	30	0	0	340
2019	0	0	0	68	112	51	41	33	31	32	0	0	367
2020	0	0	0	73	120	55	44	35	33	34	0	0	394
2021	0	0	0	77	127	58	46	37	35	36	0	0	416
2022	0	0	0	81	133	61	49	39	37	38	0	0	438
2023	0	0	0	85	140	64	51	41	39	40	0	0	461
2024	0	0	0	89	148	67	54	43	41	42	0	0	485
2025	0	0	0	94	155	71	57	45	43	44	0	0	509
2026	0	0	0	98	163	74	60	48	45	46	0	0	534
2027	0	0	0	103	171	78	62	50	47	49	0	0	560
2028	0	0	0	108	179	81	65	52	50	51	0	0	586
2029	0	0	0	113	186	85	68	54	52	53	0	0	611
2030	0	0	0	114	189	86	69	55	53	54	0	0	620
2031	0	0	0	116	191	87	70	56	53	54	0	0	627
2032	0	0	0	117	193	88	71	56	54	55	0	0	633
2033	0	0	0	118	195	89	71	57	54	55	0	0	640
2034	0	0	0	119	197	90	72	58	55	56	0	0	646
2035	0	0	0	120	199	90	73	58	55	57	0	0	653
2036	0	0	0	122	201	91	74	59	56	57	0	0	660
2037	0	0	0	123	203	92	74	59	56	58	0	0	667
2038	0	0	0	124	205	93	75	60	57	58	0	0	674
2039	0	0	0	126	208	94	76	61	58	59	0	0	682
2040	0	0	0	127	210	95	77	61	58	60	0	0	689
2041	0	0	0	128	212	96	78	62	59	60	0	0	694
2042	0	0	0	129	213	97	78	62	59	61	0	0	700
2043	0	0	0	130	215	98	79	63	60	61	0	0	706
2044	0	0	0	131	217	99	79	63	60	62	0	0	711
2045	0	0	0	132	219	99	80	64	61	62	0	0	717
2046	0	0	0	133	220	100	81	64	61	63	0	0	723
2047	0	0	0	134	222	101	81	65	62	63	0	0	729
2048	0	0	0	136	224	102	82	65	62	64	0	0	735
2049	0	0	0	137	226	103	83	66	63	64	0	0	741
2050	0	0	0	138	228	103	83	67	63	65	0	0	747
2051	0	0	0	139	229	104	84	67	64	65	0	0	753
2052	0	0	0	140	231	105	85	68	64	66	0	0	758
2053	0	0	0	141	233	106	85	68	65	66	0	0	764
2054	0	0	0	142	235	107	86	69	65	67	0	0	770
2055	0	0	0	143	237	108	87	69	66	67	0	0	776
2056	0	0	0	144	238	108	87	70	66	68	0	0	782
2057	0	0	0	145	240	109	88	70	67	68	0	0	788
2058	0	0	0	147	242	110	89	71	67	69	0	0	794
2059	0	0	0	148	244	111	89	71	68	69	0	0	801
2060	0	0	0	149	246	112	90	72	68	70	0	0	807
2061	0	0	0	150	248	113	91	73	69	71	0	0	814
2062	0	0	0	151	250	114	92	73	69	71	0	0	820
2063	0	0	0	153	252	115	92	74	70	72	0	0	827
2064	0	0	0	154	254	115	93	74	71	72	0	0	833
2065	0	0	0	155	256	116	94	75	71	73	0	0	840

Mona Table 5

Mona													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mona Table 6

Mona													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mona Table 7

Mona													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	1	1	1	1	2	2	2	2	2	1	1	1	17
2019	3	2	3	3	3	3	4	4	3	3	2	3	35
2020	4	4	4	4	5	5	6	5	5	4	4	4	53
2021	5	5	5	5	6	7	7	7	6	5	5	5	68
2022	6	6	7	6	7	8	9	8	7	6	6	6	83
2023	8	7	8	7	9	10	10	10	9	8	7	7	98
2024	9	8	9	8	10	11	12	12	10	9	8	8	114
2025	10	9	10	9	12	13	14	13	11	10	9	10	131
2026	11	10	12	11	13	15	15	15	13	11	11	11	148
2027	13	11	13	12	15	16	17	17	14	13	12	12	165
2028	14	13	14	13	16	18	19	18	16	14	13	13	183
2029	15	14	16	15	18	20	21	20	18	15	14	15	201
2030	17	15	17	16	19	22	23	22	19	17	16	16	220
2031	18	16	18	17	21	23	24	24	20	18	17	17	233
2032	19	17	19	18	22	24	26	25	22	19	18	18	246
2033	20	18	21	19	23	26	27	26	23	20	19	19	260
2034	21	19	22	20	24	27	29	28	24	21	20	20	274
2035	22	20	23	21	25	28	30	29	25	22	21	21	288
2036	23	21	24	22	27	30	32	31	27	23	22	22	302
2037	24	22	25	23	28	31	33	32	28	24	23	23	317
2038	25	23	26	24	29	33	35	34	29	25	24	24	332
2039	27	24	27	25	31	34	36	35	30	27	25	25	347
2040	28	25	29	26	32	36	38	37	32	28	26	26	362
2041	29	26	30	27	33	37	39	38	33	29	27	27	374
2042	30	27	30	28	34	38	40	39	34	29	28	28	385
2043	30	27	31	29	35	39	42	40	35	30	28	29	397
2044	31	28	32	30	36	40	43	41	36	31	29	30	408
2045	32	29	33	30	37	42	44	43	37	32	30	31	420
2046	33	30	34	31	38	43	45	44	38	33	31	32	432
2047	34	31	35	32	39	44	47	45	39	34	32	32	444
2048	35	32	36	33	40	45	48	46	40	35	33	33	457
2049	36	33	37	34	42	46	49	47	41	36	34	34	469
2050	37	33	38	35	43	48	51	49	42	37	34	35	482
2051	38	34	39	36	44	49	52	50	43	38	35	36	494
2052	39	35	40	37	45	50	53	51	44	39	36	37	506
2053	40	36	41	38	46	51	54	52	46	40	37	38	518
2054	41	37	42	38	47	52	56	54	47	41	38	39	530
2055	42	38	43	39	48	54	57	55	48	41	39	40	543
2056	43	38	44	40	49	55	58	56	49	42	40	40	555
2057	44	39	45	41	50	56	60	57	50	43	41	41	568
2058	45	40	46	42	51	57	61	59	51	44	42	42	581
2059	46	41	47	43	53	59	62	60	52	45	42	43	594
2060	47	42	48	44	54	60	64	61	53	46	43	44	607
2061	48	43	49	45	55	61	65	63	55	47	44	45	620
2062	49	44	50	46	56	63	67	64	56	48	45	46	634
2063	50	45	51	47	57	64	68	65	57	50	46	47	647
2064	51	46	52	48	59	65	69	67	58	51	47	48	661
2065	52	47	53	49	60	67	71	68	59	52	48	49	675

Mona Table 8

Mona													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mona Table 9

Mona													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	58	96	44	35	28	27	27	0	0	315
2018	0	0	0	63	104	47	38	30	29	30	0	0	340
2019	0	0	0	68	112	51	41	33	31	32	0	0	367
2020	0	0	0	73	120	55	44	35	33	34	0	0	394
2021	0	0	0	77	127	58	46	37	35	36	0	0	416
2022	0	0	0	81	133	61	49	39	37	38	0	0	438
2023	0	0	0	85	140	64	51	41	39	40	0	0	461
2024	0	0	0	89	148	67	54	43	41	42	0	0	485
2025	0	0	0	94	155	71	57	45	43	44	0	0	509
2026	0	0	0	98	163	74	60	48	45	46	0	0	534
2027	0	0	0	103	171	78	62	50	47	49	0	0	560
2028	0	0	0	108	179	81	65	52	50	51	0	0	586
2029	0	0	0	113	186	85	68	54	52	53	0	0	611
2030	0	0	0	114	189	86	69	55	53	54	0	0	620
2031	0	0	0	116	191	87	70	56	53	54	0	0	627
2032	0	0	0	117	193	88	71	56	54	55	0	0	633
2033	0	0	0	118	195	89	71	57	54	55	0	0	640
2034	0	0	0	119	197	90	72	58	55	56	0	0	646
2035	0	0	0	120	199	90	73	58	55	57	0	0	653
2036	0	0	0	122	201	91	74	59	56	57	0	0	660
2037	0	0	0	123	203	92	74	59	56	58	0	0	667
2038	0	0	0	124	205	93	75	60	57	58	0	0	674
2039	0	0	0	126	208	94	76	61	58	59	0	0	682
2040	0	0	0	127	210	95	77	61	58	60	0	0	689
2041	0	0	0	128	212	96	78	62	59	60	0	0	694
2042	0	0	0	129	213	97	78	62	59	61	0	0	700
2043	0	0	0	130	215	98	79	63	60	61	0	0	706
2044	0	0	0	131	217	99	79	63	60	62	0	0	711
2045	0	0	0	132	219	99	80	64	61	62	0	0	717
2046	0	0	0	133	220	100	81	64	61	63	0	0	723
2047	0	0	0	134	222	101	81	65	62	63	0	0	729
2048	0	0	0	136	224	102	82	65	62	64	0	0	735
2049	0	0	0	137	226	103	83	66	63	64	0	0	741
2050	0	0	0	138	228	103	83	67	63	65	0	0	747
2051	0	0	0	139	229	104	84	67	64	65	0	0	753
2052	0	0	0	140	231	105	85	68	64	66	0	0	758
2053	0	0	0	141	233	106	85	68	65	66	0	0	764
2054	0	0	0	142	235	107	86	69	65	67	0	0	770
2055	0	0	0	143	237	108	87	69	66	67	0	0	776
2056	0	0	0	144	238	108	87	70	66	68	0	0	782
2057	0	0	0	145	240	109	88	70	67	68	0	0	788
2058	0	0	0	147	242	110	89	71	67	69	0	0	794
2059	0	0	0	148	244	111	89	71	68	69	0	0	801
2060	0	0	0	149	246	112	90	72	68	70	0	0	807
2061	0	0	0	150	248	113	91	73	69	71	0	0	814
2062	0	0	0	151	250	114	92	73	69	71	0	0	820
2063	0	0	0	153	252	115	92	74	70	72	0	0	827
2064	0	0	0	154	254	115	93	74	71	72	0	0	833
2065	0	0	0	155	256	116	94	75	71	73	0	0	840

Mona Table 10

Mona													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	16	14	16	15	18	20	22	21	18	16	15	15	207
2018	16	15	17	16	19	21	23	22	19	16	15	16	215
2019	17	15	18	16	20	22	23	23	20	17	16	16	223
2020	18	16	18	17	20	23	24	23	20	18	17	17	231
2021	18	16	19	17	21	24	25	24	21	18	17	17	238
2022	19	17	19	18	22	24	26	25	22	19	17	18	245
2023	19	17	20	18	22	25	26	25	22	19	18	18	252
2024	20	18	20	19	23	26	27	26	23	20	19	19	259
2025	20	18	21	19	24	26	28	27	23	20	19	19	266
2026	21	19	22	20	24	27	29	28	24	21	20	20	274
2027	22	20	22	20	25	28	30	29	25	22	20	21	282
2028	22	20	23	21	26	29	30	29	25	22	21	21	290
2029	23	21	24	22	26	30	31	30	26	23	21	22	298
2030	24	21	24	22	27	30	32	31	27	23	22	22	307
2031	24	22	25	23	28	31	33	32	27	24	22	23	313
2032	24	22	25	23	28	32	33	32	28	24	23	23	319
2033	25	23	26	24	29	32	34	33	29	25	23	24	325
2034	25	23	26	24	29	33	35	33	29	25	24	24	331
2035	26	23	27	24	30	33	35	34	30	26	24	25	337
2036	26	24	27	25	30	34	36	35	30	26	25	25	344
2037	27	24	28	25	31	35	37	35	31	27	25	26	351
2038	27	25	28	26	32	35	38	36	31	27	26	26	357
2039	28	25	29	26	32	36	38	37	32	28	26	27	364
2040	28	26	29	27	33	37	39	38	33	28	27	27	371
2041	29	26	30	27	33	37	40	38	33	29	27	27	376
2042	29	26	30	28	34	38	40	39	34	29	27	28	382
2043	30	27	31	28	34	38	41	39	34	30	28	28	387
2044	30	27	31	28	35	39	41	40	34	30	28	29	392
2045	30	28	31	29	35	39	42	40	35	30	28	29	398
2046	31	28	32	29	36	40	42	41	35	31	29	29	403
2047	31	28	32	30	36	40	43	41	36	31	29	30	409
2048	32	29	33	30	37	41	43	42	36	32	30	30	414
2049	32	29	33	30	37	42	44	42	37	32	30	31	420
2050	33	29	34	31	38	42	45	43	37	33	30	31	426
2051	33	30	34	31	38	43	45	44	38	33	31	31	431
2052	33	30	35	32	39	43	46	44	38	33	31	32	436
2053	34	31	35	32	39	44	46	45	39	34	32	32	442
2054	34	31	35	32	40	44	47	45	39	34	32	33	448
2055	35	31	36	33	40	45	48	46	40	35	32	33	453
2056	35	32	36	33	41	45	48	46	40	35	33	33	459
2057	36	32	37	34	41	46	49	47	41	36	33	34	465
2058	36	33	37	34	42	47	49	48	41	36	34	34	470
2059	37	33	38	35	42	47	50	48	42	36	34	35	476
2060	37	33	38	35	43	48	51	49	42	37	34	35	482
2061	37	34	39	35	43	48	51	49	43	37	35	36	488
2062	38	34	39	36	44	49	52	50	43	38	35	36	494
2063	38	35	40	36	44	50	53	51	44	38	36	36	501
2064	39	35	40	37	45	50	53	51	45	39	36	37	507
2065	39	36	41	37	45	51	54	52	45	39	37	37	513

Mona Table 11

Mona													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	13	42	67	88	82	63	18	0	0	374
2018	0	0	0	14	44	69	92	85	65	19	0	0	389
2019	0	0	0	15	46	72	95	89	68	20	0	0	404
2020	0	0	0	15	47	75	99	92	71	21	0	0	420
2021	0	0	0	16	49	77	102	95	73	21	0	0	433
2022	0	0	0	16	50	79	105	98	75	22	0	0	446
2023	0	0	0	17	52	82	109	101	77	23	0	0	460
2024	0	0	0	17	54	84	112	104	80	23	0	0	474
2025	0	0	0	18	55	87	115	108	82	24	0	0	489
2026	0	0	0	18	57	90	119	111	85	25	0	0	504
2027	0	0	0	19	59	92	123	114	87	25	0	0	519
2028	0	0	0	19	61	95	126	118	90	26	0	0	535
2029	0	0	0	20	62	98	130	121	93	27	0	0	552
2030	0	0	0	20	64	101	134	125	96	28	0	0	569
2031	0	0	0	21	66	103	137	128	98	28	0	0	581
2032	0	0	0	21	67	106	140	131	100	29	0	0	593
2033	0	0	0	22	68	108	143	133	102	30	0	0	606
2034	0	0	0	22	70	110	146	136	104	30	0	0	619
2035	0	0	0	23	71	113	149	139	106	31	0	0	632
2036	0	0	0	23	73	115	152	142	108	32	0	0	646
2037	0	0	0	24	75	117	156	145	111	32	0	0	660
2038	0	0	0	24	76	120	159	148	113	33	0	0	674
2039	0	0	0	25	78	122	162	151	116	34	0	0	688
2040	0	0	0	25	79	125	166	155	118	34	0	0	703
2041	0	0	0	26	81	127	168	157	120	35	0	0	714
2042	0	0	0	26	82	129	171	159	122	36	0	0	725
2043	0	0	0	27	83	131	174	162	124	36	0	0	736
2044	0	0	0	27	85	133	177	165	126	37	0	0	748
2045	0	0	0	27	86	135	179	167	128	37	0	0	760
2046	0	0	0	28	87	137	182	170	130	38	0	0	772
2047	0	0	0	28	89	140	185	172	132	38	0	0	784
2048	0	0	0	29	90	142	188	175	134	39	0	0	796
2049	0	0	0	29	91	144	191	178	136	40	0	0	809
2050	0	0	0	30	93	146	194	181	138	40	0	0	822
2051	0	0	0	30	94	148	197	183	140	41	0	0	834
2052	0	0	0	30	96	151	200	186	142	41	0	0	846
2053	0	0	0	31	97	153	202	189	144	42	0	0	858
2054	0	0	0	31	98	155	205	191	146	43	0	0	870
2055	0	0	0	32	100	157	208	194	148	43	0	0	883
2056	0	0	0	32	101	159	211	197	150	44	0	0	896
2057	0	0	0	33	103	162	214	200	153	45	0	0	909
2058	0	0	0	33	104	164	218	203	155	45	0	0	922
2059	0	0	0	34	106	166	221	206	157	46	0	0	935
2060	0	0	0	34	107	169	224	209	159	46	0	0	949
2061	0	0	0	35	109	171	227	212	162	47	0	0	963
2062	0	0	0	35	110	174	230	215	164	48	0	0	976
2063	0	0	0	36	112	176	234	218	166	49	0	0	991
2064	0	0	0	36	114	179	237	221	169	49	0	0	1,005
1905	0	0	0	37	115	181	241	224	171	50	0	0	1,019

Mona Table 12

Mona													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	16	14	16	28	61	87	110	103	81	34	15	15	581
2018	16	15	17	30	63	90	114	107	84	35	15	16	603
2019	17	15	18	31	65	94	119	111	87	37	16	16	627
2020	18	16	18	32	68	98	123	116	91	38	17	17	651
2021	18	16	19	33	70	101	127	119	94	39	17	17	671
2022	19	17	19	34	72	104	131	123	96	41	17	18	691
2023	19	17	20	35	74	107	135	127	99	42	18	18	712
2024	20	18	20	36	77	110	139	131	102	43	19	19	733
2025	20	18	21	37	79	113	143	134	106	44	19	19	755
2026	21	19	22	38	81	117	148	139	109	46	20	20	778
2027	22	20	22	39	84	120	152	143	112	47	20	21	801
2028	22	20	23	40	86	124	157	147	115	48	21	21	825
2029	23	21	24	41	89	128	162	152	119	50	21	22	850
2030	24	21	24	43	91	132	166	156	123	51	22	22	876
2031	24	22	25	44	93	134	170	159	125	52	22	23	894
2032	24	22	25	44	95	137	174	163	128	53	23	23	912
2033	25	23	26	45	97	140	177	166	130	55	23	24	931
2034	25	23	26	46	99	143	181	170	133	56	24	24	950
2035	26	23	27	47	101	146	185	173	136	57	24	25	970
2036	26	24	27	48	103	149	189	177	139	58	25	25	990
2037	27	24	28	49	106	152	192	181	142	59	25	26	1,010
2038	27	25	28	50	108	155	197	184	145	60	26	26	1,031
2039	28	25	29	51	110	159	201	188	148	62	26	27	1,052
2040	28	26	29	52	112	162	205	192	151	63	27	27	1,074
2041	29	26	30	53	114	164	208	195	153	64	27	27	1,090
2042	29	26	30	54	116	167	211	198	155	65	27	28	1,107
2043	30	27	31	55	117	169	214	201	158	66	28	28	1,123
2044	30	27	31	55	119	172	218	204	160	67	28	29	1,140
2045	30	28	31	56	121	175	221	207	163	68	28	29	1,157
2046	31	28	32	57	123	177	224	211	165	69	29	29	1,175
2047	31	28	32	58	125	180	228	214	168	70	29	30	1,193
2048	32	29	33	59	127	183	231	217	170	71	30	30	1,211
2049	32	29	33	60	129	186	235	220	173	72	30	31	1,229
2050	33	29	34	60	131	188	239	224	175	73	30	31	1,247
2051	33	30	34	61	132	191	242	227	178	74	31	31	1,265
2052	33	30	35	62	134	194	245	230	180	75	31	32	1,282
2053	34	31	35	63	136	196	249	233	183	76	32	32	1,300
2054	34	31	35	64	138	199	252	237	186	77	32	33	1,318
2055	35	31	36	65	140	202	256	240	188	78	32	33	1,336
2056	35	32	36	66	142	205	260	243	191	79	33	33	1,355
2057	36	32	37	66	144	208	263	247	194	80	33	34	1,373
2058	36	33	37	67	146	211	267	250	196	81	34	34	1,392
2059	37	33	38	68	148	214	271	254	199	82	34	35	1,412
2060	37	33	38	69	150	217	275	258	202	83	34	35	1,431
2061	37	34	39	70	152	220	278	261	205	85	35	36	1,451
2062	38	34	39	71	154	223	282	265	208	86	35	36	1,471
2063	38	35	40	72	156	226	286	269	210	87	36	36	1,491
2064	39	35	40	73	158	229	290	272	213	88	36	37	1,512
1905	39	36	41	74	161	232	294	276	216	89	37	37	1,533

Mona Table 13

Mona													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	14	12	14	13	16	18	19	18	16	14	13	13	177
2018	14	13	15	13	16	18	19	19	16	14	13	13	184
2019	15	13	15	14	17	19	20	19	17	15	14	14	191
2020	15	14	16	14	18	20	21	20	17	15	14	14	198
2021	16	14	16	15	18	20	21	21	18	16	15	15	204
2022	16	15	17	15	19	21	22	21	18	16	15	15	210
2023	17	15	17	16	19	21	23	22	19	16	15	16	216
2024	17	15	18	16	20	22	23	22	20	17	16	16	222
2025	18	16	18	17	20	23	24	23	20	17	16	17	228
2026	18	16	19	17	21	23	25	24	21	18	17	17	235
2027	19	17	19	18	21	24	25	24	21	18	17	18	242
2028	19	17	20	18	22	25	26	25	22	19	18	18	248
2029	20	18	20	19	23	25	27	26	22	20	18	19	256
2030	20	18	21	19	23	26	28	27	23	20	19	19	263
2031	21	19	21	19	24	27	28	27	24	20	19	20	268
2032	21	19	22	20	24	27	29	28	24	21	20	20	273
2033	21	19	22	20	25	28	29	28	24	21	20	20	278
2034	22	20	22	21	25	28	30	29	25	22	20	21	284
2035	22	20	23	21	26	29	30	29	25	22	21	21	289
2036	23	20	23	21	26	29	31	30	26	23	21	21	295
2037	23	21	24	22	27	30	32	30	26	23	21	22	301
2038	23	21	24	22	27	30	32	31	27	23	22	22	306
2039	24	22	25	23	28	31	33	32	27	24	22	23	312
2040	24	22	25	23	28	32	33	32	28	24	23	23	318
2041	25	22	26	23	29	32	34	33	28	25	23	24	323
2042	25	23	26	24	29	32	34	33	29	25	23	24	327
2043	25	23	26	24	29	33	35	34	29	25	24	24	332
2044	26	23	27	24	30	33	35	34	30	26	24	25	336
2045	26	24	27	25	30	34	36	34	30	26	24	25	341
2046	26	24	27	25	31	34	36	35	30	26	25	25	345
2047	27	24	28	25	31	35	37	35	31	27	25	26	350
2048	27	25	28	26	31	35	37	36	31	27	25	26	355
2049	28	25	28	26	32	36	38	36	32	28	26	26	360
2050	28	25	29	26	32	36	38	37	32	28	26	27	365
2051	28	26	29	27	33	37	39	37	32	28	26	27	369
2052	29	26	30	27	33	37	39	38	33	29	27	27	374
2053	29	26	30	27	34	37	40	38	33	29	27	28	379
2054	29	27	30	28	34	38	40	39	34	29	27	28	384
2055	30	27	31	28	34	38	41	39	34	30	28	28	388
2056	30	27	31	29	35	39	41	40	35	30	28	29	393
2057	31	28	31	29	35	39	42	40	35	30	28	29	398
2058	31	28	32	29	36	40	42	41	35	31	29	29	403
2059	31	28	32	30	36	40	43	41	36	31	29	30	408
2060	32	29	33	30	37	41	43	42	36	32	30	30	413
2061	32	29	33	30	37	41	44	42	37	32	30	31	419
2062	33	29	33	31	38	42	44	43	37	32	30	31	424
2063	33	30	34	31	38	42	45	43	38	33	31	31	429
2064	33	30	34	32	38	43	46	44	38	33	31	32	434
2065	34	30	35	32	39	44	46	44	39	34	31	32	440

Mona Table 14

Mona													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	13	41	65	87	81	62	18	0	0	367
2018	0	0	0	14	43	67	89	83	63	18	0	0	377
2019	0	0	0	14	44	69	91	85	65	19	0	0	388
2020	0	0	0	14	45	71	94	88	67	20	0	0	399
2021	0	0	0	15	46	73	96	90	68	20	0	0	408
2022	0	0	0	15	47	74	98	92	70	20	0	0	417
2023	0	0	0	15	48	76	101	94	72	21	0	0	426
2024	0	0	0	16	49	78	103	96	73	21	0	0	436
2025	0	0	0	16	50	79	105	98	75	22	0	0	446
2026	0	0	0	16	52	81	108	101	77	22	0	0	457
2027	0	0	0	17	53	83	110	103	79	23	0	0	468
2028	0	0	0	17	54	85	113	105	80	23	0	0	479
2029	0	0	0	18	55	87	116	108	82	24	0	0	490
2030	0	0	0	18	57	89	118	110	84	25	0	0	502
2031	0	0	0	18	58	91	120	112	86	25	0	0	510
2032	0	0	0	19	59	92	122	114	87	25	0	0	519
2033	0	0	0	19	60	94	125	116	89	26	0	0	528
2034	0	0	0	19	61	96	127	118	90	26	0	0	537
2035	0	0	0	20	62	97	129	120	92	27	0	0	546
2036	0	0	0	20	63	99	131	122	93	27	0	0	555
2037	0	0	0	20	64	101	133	124	95	28	0	0	565
2038	0	0	0	21	65	102	136	126	96	28	0	0	574
2039	0	0	0	21	66	104	138	129	98	29	0	0	584
2040	0	0	0	21	67	106	140	131	100	29	0	0	594
2041	0	0	0	22	68	107	142	132	101	30	0	0	602
2042	0	0	0	22	69	109	144	134	102	30	0	0	610
2043	0	0	0	22	70	110	146	136	104	30	0	0	618
2044	0	0	0	23	71	111	148	138	105	31	0	0	626
2045	0	0	0	23	72	113	150	139	107	31	0	0	634
2046	0	0	0	23	73	114	152	141	108	31	0	0	642
2047	0	0	0	23	74	116	154	143	109	32	0	0	651
2048	0	0	0	24	75	117	156	145	111	32	0	0	659
2049	0	0	0	24	75	119	158	147	112	33	0	0	668
2050	0	0	0	24	76	120	160	149	114	33	0	0	677
2051	0	0	0	25	77	122	162	151	115	34	0	0	685
2052	0	0	0	25	78	123	164	153	116	34	0	0	693
2053	0	0	0	25	79	125	166	154	118	34	0	0	702
2054	0	0	0	26	80	126	168	156	119	35	0	0	711
2055	0	0	0	26	81	128	170	158	121	35	0	0	719
2056	0	0	0	26	82	130	172	160	122	36	0	0	728
2057	0	0	0	27	83	131	174	162	124	36	0	0	737
2058	0	0	0	27	84	133	176	164	125	37	0	0	746
2059	0	0	0	27	85	134	178	166	127	37	0	0	756
2060	0	0	0	28	86	136	181	168	129	37	0	0	765
2061	0	0	0	28	88	138	183	170	130	38	0	0	774
2062	0	0	0	28	89	140	185	172	132	38	0	0	784
2063	0	0	0	29	90	141	187	175	133	39	0	0	794
2064	0	0	0	29	91	143	190	177	135	39	0	0	804
1905	0	0	0	29	92	145	192	179	137	40	0	0	814

Mona Table 15

Mona													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	14	12	14	26	57	83	105	99	77	32	13	13	544
2018	14	13	15	27	59	85	108	102	80	33	13	13	561
2019	15	13	15	28	61	88	112	105	82	34	14	14	579
2020	15	14	16	29	63	91	115	108	84	35	14	14	597
2021	16	14	16	29	64	93	118	110	86	36	15	15	612
2022	16	15	17	30	66	95	120	113	88	36	15	15	627
2023	17	15	17	31	67	97	123	116	91	37	15	16	642
2024	17	15	18	32	69	100	126	118	93	38	16	16	658
2025	18	16	18	33	71	102	129	121	95	39	16	17	675
2026	18	16	19	33	72	105	132	124	97	40	17	17	692
2027	19	17	19	34	74	107	136	127	100	41	17	18	709
2028	19	17	20	35	76	110	139	130	102	42	18	18	727
2029	20	18	20	36	78	113	143	134	105	44	18	19	746
2030	20	18	21	37	80	115	146	137	107	45	19	19	765
2031	21	19	21	38	81	117	149	139	109	46	19	20	778
2032	21	19	22	38	83	119	151	142	111	46	20	20	792
2033	21	19	22	39	84	121	154	144	113	47	20	20	806
2034	22	20	22	40	86	124	156	147	115	48	20	21	820
2035	22	20	23	41	87	126	159	149	117	49	21	21	835
2036	23	20	23	41	89	128	162	152	119	50	21	21	850
2037	23	21	24	42	90	130	165	155	121	51	21	22	865
2038	23	21	24	43	92	133	168	157	123	52	22	22	881
2039	24	22	25	44	94	135	171	160	126	53	22	23	897
2040	24	22	25	44	95	137	174	163	128	53	23	23	913
2041	25	22	26	45	97	139	176	165	130	54	23	24	925
2042	25	23	26	46	98	141	178	167	131	55	23	24	937
2043	25	23	26	46	99	143	181	169	133	56	24	24	949
2044	26	23	27	47	100	145	183	172	135	56	24	25	962
2045	26	24	27	48	102	147	185	174	136	57	24	25	975
2046	26	24	27	48	103	149	188	176	138	58	25	25	988
2047	27	24	28	49	105	151	190	179	140	59	25	26	1,001
2048	27	25	28	49	106	152	193	181	142	59	25	26	1,014
2049	28	25	28	50	107	155	195	183	144	60	26	26	1,028
2050	28	25	29	51	109	157	198	186	146	61	26	27	1,042
2051	28	26	29	51	110	159	200	188	148	62	26	27	1,055
2052	29	26	30	52	111	160	203	190	149	63	27	27	1,068
2053	29	26	30	53	113	162	205	193	151	63	27	28	1,081
2054	29	27	30	53	114	164	208	195	153	64	27	28	1,094
2055	30	27	31	54	116	166	211	198	155	65	28	28	1,108
2056	30	27	31	55	117	169	213	200	157	66	28	29	1,121
2057	31	28	31	55	119	171	216	202	159	67	28	29	1,135
2058	31	28	32	56	120	173	218	205	161	67	29	29	1,149
2059	31	28	32	57	122	175	221	208	163	68	29	30	1,164
2060	32	29	33	58	123	177	224	210	165	69	30	30	1,178
2061	32	29	33	58	125	179	227	213	167	70	30	31	1,193
2062	33	29	33	59	126	182	230	215	169	71	30	31	1,208
2063	33	30	34	60	128	184	232	218	171	72	31	31	1,223
2064	33	30	34	60	129	186	235	221	173	73	31	32	1,238
1905	34	30	35	61	131	188	238	224	175	74	31	32	1,254

Mona Table 16

Mona													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	14	12	14	13	16	18	19	18	16	14	13	13	177
2018	14	13	14	13	16	18	19	19	16	14	13	13	183
2019	15	13	15	14	17	19	20	19	17	14	14	14	189
2020	15	14	15	14	17	19	21	20	17	15	14	14	195
2021	15	14	16	14	18	20	21	20	18	15	14	15	200
2022	16	14	16	15	18	20	21	21	18	16	15	15	204
2023	16	14	17	15	18	21	22	21	18	16	15	15	209
2024	16	15	17	15	19	21	22	22	19	16	15	16	213
2025	17	15	17	16	19	22	23	22	19	17	16	16	218
2026	17	15	18	16	20	22	23	23	20	17	16	16	223
2027	18	16	18	17	20	23	24	23	20	17	16	17	228
2028	18	16	18	17	21	23	25	24	21	18	17	17	233
2029	18	17	19	17	21	24	25	24	21	18	17	17	239
2030	19	17	19	18	22	24	26	25	21	19	17	18	244
2031	19	17	20	18	22	25	26	25	22	19	18	18	248
2032	19	17	20	18	22	25	26	25	22	19	18	18	252
2033	20	18	20	19	23	25	27	26	23	20	18	19	256
2034	20	18	21	19	23	26	27	26	23	20	19	19	260
2035	20	18	21	19	23	26	28	27	23	20	19	19	264
2036	21	19	21	19	24	27	28	27	24	21	19	20	268
2037	21	19	22	20	24	27	29	28	24	21	19	20	272
2038	21	19	22	20	25	27	29	28	24	21	20	20	277
2039	22	19	22	20	25	28	30	28	25	22	20	20	281
2040	22	20	23	21	25	28	30	29	25	22	20	21	286
2041	22	20	23	21	26	29	30	29	25	22	21	21	289
2042	22	20	23	21	26	29	31	30	26	22	21	21	293
2043	23	21	23	21	26	29	31	30	26	23	21	22	296
2044	23	21	24	22	27	30	31	30	26	23	21	22	300
2045	23	21	24	22	27	30	32	31	27	23	22	22	304
2046	24	21	24	22	27	30	32	31	27	24	22	22	307
2047	24	22	25	23	28	31	33	31	27	24	22	23	311
2048	24	22	25	23	28	31	33	32	28	24	23	23	315
2049	24	22	25	23	28	32	33	32	28	24	23	23	319
2050	25	22	26	23	29	32	34	33	28	25	23	24	323
2051	25	23	26	24	29	32	34	33	29	25	23	24	326
2052	25	23	26	24	29	33	35	33	29	25	24	24	330
2053	26	23	26	24	30	33	35	34	29	26	24	24	334
2054	26	23	27	24	30	33	35	34	30	26	24	25	337
2055	26	24	27	25	30	34	36	34	30	26	24	25	341
2056	26	24	27	25	31	34	36	35	30	26	25	25	345
2057	27	24	28	25	31	35	37	35	31	27	25	25	349
2058	27	24	28	26	31	35	37	36	31	27	25	26	352
2059	27	25	28	26	32	35	37	36	31	27	25	26	356
2060	28	25	28	26	32	36	38	36	32	28	26	26	360
2061	28	25	29	26	32	36	38	37	32	28	26	27	364
2062	28	25	29	27	33	36	39	37	32	28	26	27	368
2063	29	26	29	27	33	37	39	38	33	28	27	27	372
2064	29	26	30	27	33	37	39	38	33	29	27	27	376
2065	29	26	30	28	34	38	40	38	33	29	27	28	380

Mona Table 17

Mona													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	13	41	65	87	81	62	18	0	0	367
2018	0	0	0	13	42	66	88	82	63	18	0	0	374
2019	0	0	0	14	43	68	90	84	64	19	0	0	381
2020	0	0	0	14	44	69	92	85	65	19	0	0	388
2021	0	0	0	14	44	70	92	86	66	19	0	0	391
2022	0	0	0	14	45	70	93	87	66	19	0	0	395
2023	0	0	0	14	45	71	94	88	67	20	0	0	399
2024	0	0	0	14	45	72	95	89	68	20	0	0	403
2025	0	0	0	15	46	72	96	89	68	20	0	0	406
2026	0	0	0	15	46	73	97	90	69	20	0	0	410
2027	0	0	0	15	47	74	98	91	70	20	0	0	414
2028	0	0	0	15	47	75	99	92	70	21	0	0	419
2029	0	0	0	15	48	75	100	93	71	21	0	0	423
2030	0	0	0	15	48	76	101	94	72	21	0	0	427
2031	0	0	0	15	49	77	102	95	72	21	0	0	430
2032	0	0	0	16	49	77	102	95	73	21	0	0	434
2033	0	0	0	16	49	78	103	96	74	21	0	0	438
2034	0	0	0	16	50	79	104	97	74	22	0	0	441
2035	0	0	0	16	50	79	105	98	75	22	0	0	445
2036	0	0	0	16	51	80	106	99	75	22	0	0	449
2037	0	0	0	16	51	81	107	100	76	22	0	0	452
2038	0	0	0	16	52	81	108	100	77	22	0	0	456
2039	0	0	0	17	52	82	109	101	77	23	0	0	460
2040	0	0	0	17	52	83	109	102	78	23	0	0	464
2041	0	0	0	17	53	83	110	103	79	23	0	0	468
2042	0	0	0	17	53	84	111	104	79	23	0	0	472
2043	0	0	0	17	54	85	112	105	80	23	0	0	477
2044	0	0	0	17	54	86	114	106	81	24	0	0	481
2045	0	0	0	17	55	86	115	107	82	24	0	0	485
2046	0	0	0	18	55	87	116	108	82	24	0	0	490
2047	0	0	0	18	56	88	117	109	83	24	0	0	494
2048	0	0	0	18	56	89	118	110	84	24	0	0	499
2049	0	0	0	18	57	90	119	111	85	25	0	0	504
2050	0	0	0	18	57	90	120	112	85	25	0	0	508
2051	0	0	0	18	58	91	121	113	86	25	0	0	512
2052	0	0	0	19	58	92	122	114	87	25	0	0	517
2053	0	0	0	19	59	93	123	115	88	26	0	0	521
2054	0	0	0	19	59	94	124	116	88	26	0	0	525
2055	0	0	0	19	60	94	125	117	89	26	0	0	530
2056	0	0	0	19	60	95	126	118	90	26	0	0	534
2057	0	0	0	19	61	96	127	119	91	26	0	0	539
2058	0	0	0	20	61	97	128	120	91	27	0	0	543
2059	0	0	0	20	62	98	129	121	92	27	0	0	548
2060	0	0	0	20	62	98	130	122	93	27	0	0	553
2061	0	0	0	20	63	99	131	123	94	27	0	0	557
2062	0	0	0	20	63	100	132	123	94	28	0	0	561
2063	0	0	0	20	64	101	134	124	95	28	0	0	566
2064	0	0	0	21	64	101	135	125	96	28	0	0	570
1905	0	0	0	21	65	102	136	126	97	28	0	0	575

Mona Table 18

Mona													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	14	12	14	26	57	83	105	99	77	32	13	13	544
2018	14	13	14	27	58	85	107	101	79	32	13	13	557
2019	15	13	15	27	60	86	110	103	81	33	14	14	570
2020	15	14	15	28	61	88	112	105	82	34	14	14	583
2021	15	14	16	29	62	89	113	106	83	34	14	15	591
2022	16	14	16	29	63	91	115	108	84	35	15	15	599
2023	16	14	17	29	64	92	116	109	85	36	15	15	608
2024	16	15	17	30	64	93	117	110	86	36	15	16	616
2025	17	15	17	30	65	94	119	112	87	37	16	16	625
2026	17	15	18	31	66	95	120	113	89	37	16	16	634
2027	18	16	18	31	67	96	122	114	90	38	16	17	643
2028	18	16	18	32	68	98	123	116	91	38	17	17	652
2029	18	17	19	33	69	99	125	117	92	39	17	17	661
2030	19	17	19	33	70	100	126	119	93	40	17	18	671
2031	19	17	20	33	71	101	128	120	94	40	18	18	678
2032	19	17	20	34	71	102	129	121	95	41	18	18	686
2033	20	18	20	34	72	103	130	122	96	41	18	19	693
2034	20	18	21	35	73	104	131	123	97	41	19	19	701
2035	20	18	21	35	74	105	133	125	98	42	19	19	709
2036	21	19	21	36	74	106	134	126	99	42	19	20	717
2037	21	19	22	36	75	107	135	127	100	43	19	20	725
2038	21	19	22	36	76	109	137	128	101	44	20	20	733
2039	22	19	22	37	77	110	138	130	102	44	20	20	741
2040	22	20	23	37	78	111	139	131	103	45	20	21	750
2041	22	20	23	38	79	112	141	132	104	45	21	21	757
2042	22	20	23	38	79	113	142	134	105	46	21	21	765
2043	23	21	23	39	80	114	144	135	106	46	21	22	773
2044	23	21	24	39	81	115	145	136	107	47	21	22	781
2045	23	21	24	39	82	116	146	138	108	47	22	22	789
2046	24	21	24	40	83	118	148	139	109	48	22	22	797
2047	24	22	25	40	83	119	149	140	110	48	22	23	806
2048	24	22	25	41	84	120	151	142	112	49	23	23	814
2049	24	22	25	41	85	121	152	143	113	49	23	23	822
2050	25	22	26	42	86	122	154	144	114	50	23	24	831
2051	25	23	26	42	87	124	155	146	115	50	23	24	839
2052	25	23	26	43	88	125	157	147	116	51	24	24	847
2053	26	23	26	43	88	126	158	148	117	51	24	24	855
2054	26	23	27	43	89	127	159	150	118	52	24	25	863
2055	26	24	27	44	90	128	161	151	119	52	24	25	871
2056	26	24	27	44	91	129	162	152	120	53	25	25	879
2057	27	24	28	45	92	130	164	154	121	53	25	25	887
2058	27	24	28	45	93	132	165	155	122	54	25	26	896
2059	27	25	28	46	93	133	167	157	123	54	25	26	904
2060	28	25	28	46	94	134	168	158	125	55	26	26	913
2061	28	25	29	46	95	135	170	159	126	55	26	27	921
2062	28	25	29	47	96	136	171	161	127	56	26	27	929
2063	29	26	29	47	97	138	173	162	128	56	27	27	938
2064	29	26	30	48	98	139	174	163	129	57	27	27	946
1905	29	26	30	48	99	140	176	165	130	57	27	28	955

Mona Table 19

Mona													
Additional Groundwater - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	1	1	1	1	2	2	2	2	2	1	1	1	17
2019	3	2	3	3	3	3	4	4	3	3	2	3	35
2020	4	4	4	4	5	5	6	5	5	4	4	4	53
2021	5	5	5	5	6	7	7	7	6	5	5	5	68
2022	6	6	7	6	7	8	9	8	7	6	6	6	83
2023	8	7	8	7	9	10	10	10	9	8	7	7	98
2024	9	8	9	8	10	11	12	12	10	9	8	8	114
2025	10	9	10	9	12	13	14	13	11	10	9	10	131
2026	11	10	12	11	13	15	15	15	13	11	11	11	148
2027	13	11	13	12	15	16	17	17	14	13	12	12	165
2028	14	13	14	13	16	18	19	18	16	14	13	13	183
2029	15	14	16	14	18	20	21	20	18	15	14	15	199
2030	15	14	16	14	18	20	21	20	18	15	14	15	199
2031	15	14	16	14	18	20	21	20	18	15	14	15	199
2032	15	14	16	14	18	20	21	20	18	15	14	15	199
2033	15	14	16	14	18	20	21	20	18	15	14	15	199
2034	15	14	16	14	18	20	21	20	18	15	14	15	199
2035	15	14	16	14	18	20	21	20	18	15	14	15	199
2036	15	14	16	14	18	20	21	20	18	15	14	15	199
2037	15	14	16	14	18	20	21	20	18	15	14	15	199
2038	15	14	16	14	18	20	21	20	18	15	14	15	199
2039	15	14	16	14	18	20	21	20	18	15	14	15	199
2040	15	14	16	14	18	20	21	20	18	15	14	15	199
2041	15	14	16	14	18	20	21	20	18	15	14	15	199
2042	15	14	16	14	18	20	21	20	18	15	14	15	199
2043	15	14	16	14	18	20	21	20	18	15	14	15	199
2044	15	14	16	14	18	20	21	20	18	15	14	15	199
2045	15	14	16	14	18	20	21	20	18	15	14	15	199
2046	15	14	16	14	18	20	21	20	18	15	14	15	199
2047	15	14	16	14	18	20	21	20	18	15	14	15	199
2048	15	14	16	14	18	20	21	20	18	15	14	15	199
2049	15	14	16	14	18	20	21	20	18	15	14	15	199
2050	15	14	16	14	18	20	21	20	18	15	14	15	199
2051	15	14	16	14	18	20	21	20	18	15	14	15	199
2052	15	14	16	14	18	20	21	20	18	15	14	15	199
2053	15	14	16	14	18	20	21	20	18	15	14	15	199
2054	15	14	16	14	18	20	21	20	18	15	14	15	199
2055	15	14	16	14	18	20	21	20	18	15	14	15	199
2056	15	14	16	14	18	20	21	20	18	15	14	15	199
2057	15	14	16	14	18	20	21	20	18	15	14	15	199
2058	15	14	16	14	18	20	21	20	18	15	14	15	199
2059	15	14	16	14	18	20	21	20	18	15	14	15	199
2060	15	14	16	14	18	20	21	20	18	15	14	15	199
2061	15	14	16	14	18	20	21	20	18	15	14	15	199
2062	15	14	16	14	18	20	21	20	18	15	14	15	199
2063	15	14	16	14	18	20	21	20	18	15	14	15	199
2064	15	14	16	14	18	20	21	20	18	15	14	15	199
2065	15	14	16	14	18	20	21	20	18	15	14	15	199

Mona Table 20

Mona													
Remaining Available Supply - Current Use - Outdoor - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	45	54	-23	-53	-54	-36	9	0	0	-59
2018	0	0	0	44	52	-26	-57	-57	-39	8	0	0	-74
2019	0	0	0	44	50	-28	-60	-61	-41	8	0	0	-89
2020	0	0	0	43	49	-31	-64	-64	-44	7	0	0	-105
2021	0	0	0	43	47	-33	-67	-67	-46	6	0	0	-118
2022	0	0	0	42	46	-36	-70	-70	-48	5	0	0	-131
2023	0	0	0	42	44	-38	-73	-73	-51	5	0	0	-145
2024	0	0	0	41	42	-41	-77	-76	-53	4	0	0	-159
2025	0	0	0	41	41	-43	-80	-79	-55	3	0	0	-174
2026	0	0	0	40	39	-46	-84	-83	-58	3	0	0	-189
2027	0	0	0	39	37	-49	-87	-86	-61	2	0	0	-204
2028	0	0	0	39	35	-52	-91	-90	-63	1	0	0	-220
2029	0	0	0	38	34	-55	-95	-93	-66	0	0	0	-237
2030	0	0	0	38	32	-58	-99	-97	-69	-1	0	0	-254
2031	0	0	0	37	30	-60	-102	-100	-71	-1	0	0	-266
2032	0	0	0	37	29	-62	-105	-102	-73	-2	0	0	-278
2033	0	0	0	36	28	-64	-108	-105	-75	-2	0	0	-291
2034	0	0	0	36	26	-67	-111	-108	-77	-3	0	0	-304
2035	0	0	0	35	25	-69	-114	-111	-80	-4	0	0	-317
2036	0	0	0	35	23	-71	-117	-114	-82	-4	0	0	-331
2037	0	0	0	34	21	-74	-120	-117	-84	-5	0	0	-345
2038	0	0	0	34	20	-76	-124	-120	-86	-6	0	0	-359
2039	0	0	0	33	18	-79	-127	-123	-89	-6	0	0	-373
2040	0	0	0	33	17	-81	-131	-126	-91	-7	0	0	-388
2041	0	0	0	32	15	-83	-133	-129	-93	-8	0	0	-399
2042	0	0	0	32	14	-85	-136	-131	-95	-8	0	0	-410
2043	0	0	0	32	13	-87	-139	-134	-97	-9	0	0	-421
2044	0	0	0	31	11	-90	-141	-136	-99	-9	0	0	-433
2045	0	0	0	31	10	-92	-144	-139	-101	-10	0	0	-445
2046	0	0	0	30	9	-94	-147	-142	-103	-10	0	0	-457
2047	0	0	0	30	7	-96	-150	-144	-105	-11	0	0	-469
2048	0	0	0	29	6	-98	-153	-147	-107	-12	0	0	-481
2049	0	0	0	29	5	-100	-156	-150	-109	-12	0	0	-494
2050	0	0	0	29	3	-103	-159	-153	-111	-13	0	0	-507
2051	0	0	0	28	2	-105	-162	-155	-113	-14	0	0	-519
2052	0	0	0	28	0	-107	-164	-158	-115	-14	0	0	-531
2053	0	0	0	27	-1	-109	-167	-161	-117	-15	0	0	-543
2054	0	0	0	27	-2	-111	-170	-163	-120	-15	0	0	-555
2055	0	0	0	26	-4	-114	-173	-166	-122	-16	0	0	-568
2056	0	0	0	26	-5	-116	-176	-169	-124	-17	0	0	-581
2057	0	0	0	25	-7	-118	-179	-172	-126	-17	0	0	-594
2058	0	0	0	25	-8	-120	-182	-175	-128	-18	0	0	-607
2059	0	0	0	24	-10	-123	-186	-178	-130	-19	0	0	-620
2060	0	0	0	24	-11	-125	-189	-181	-133	-19	0	0	-634
2061	0	0	0	23	-13	-128	-192	-184	-135	-20	0	0	-648
2062	0	0	0	23	-14	-130	-195	-187	-137	-21	0	0	-661
2063	0	0	0	22	-16	-133	-199	-190	-140	-21	0	0	-676
2064	0	0	0	22	-18	-135	-202	-193	-142	-22	0	0	-690
2065	0	0	0	21	-19	-138	-205	-196	-145	-23	0	0	-704

Mona Table 21

Mona													
Remaining Available Supply - Conservation - Outdoor - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	45	55	-22	-51	-53	-35	9	0	0	-52
2018	0	0	0	45	53	-23	-54	-55	-37	9	0	0	-62
2019	0	0	0	44	52	-25	-56	-57	-38	8	0	0	-73
2020	0	0	0	44	51	-27	-59	-60	-40	8	0	0	-84
2021	0	0	0	43	50	-29	-61	-62	-42	7	0	0	-93
2022	0	0	0	43	49	-31	-63	-64	-43	7	0	0	-102
2023	0	0	0	43	48	-32	-65	-66	-45	6	0	0	-111
2024	0	0	0	42	47	-34	-68	-68	-47	6	0	0	-121
2025	0	0	0	42	46	-36	-70	-70	-48	5	0	0	-131
2026	0	0	0	42	44	-38	-73	-72	-50	5	0	0	-142
2027	0	0	0	41	43	-40	-75	-75	-52	4	0	0	-153
2028	0	0	0	41	42	-42	-78	-77	-54	4	0	0	-164
2029	0	0	0	40	41	-44	-81	-80	-56	3	0	0	-175
2030	0	0	0	40	39	-46	-83	-82	-58	3	0	0	-187
2031	0	0	0	40	38	-47	-85	-84	-59	2	0	0	-195
2032	0	0	0	39	37	-49	-87	-86	-61	2	0	0	-204
2033	0	0	0	39	36	-50	-89	-88	-62	1	0	0	-213
2034	0	0	0	39	35	-52	-91	-90	-63	1	0	0	-222
2035	0	0	0	38	34	-53	-94	-92	-65	1	0	0	-231
2036	0	0	0	38	33	-55	-96	-94	-67	0	0	0	-240
2037	0	0	0	38	32	-57	-98	-96	-68	0	0	0	-250
2038	0	0	0	37	31	-59	-100	-98	-70	-1	0	0	-259
2039	0	0	0	37	30	-60	-103	-100	-71	-1	0	0	-269
2040	0	0	0	37	29	-62	-105	-103	-73	-2	0	0	-279
2041	0	0	0	36	28	-64	-107	-104	-74	-2	0	0	-287
2042	0	0	0	36	27	-65	-109	-106	-76	-3	0	0	-295
2043	0	0	0	36	26	-66	-111	-108	-77	-3	0	0	-303
2044	0	0	0	36	25	-68	-113	-110	-78	-3	0	0	-311
2045	0	0	0	35	24	-69	-114	-111	-80	-4	0	0	-319
2046	0	0	0	35	23	-71	-116	-113	-81	-4	0	0	-327
2047	0	0	0	35	22	-72	-118	-115	-83	-5	0	0	-336
2048	0	0	0	34	22	-74	-120	-117	-84	-5	0	0	-344
2049	0	0	0	34	21	-75	-122	-119	-86	-5	0	0	-353
2050	0	0	0	34	20	-77	-125	-121	-87	-6	0	0	-362
2051	0	0	0	33	19	-78	-127	-123	-88	-6	0	0	-370
2052	0	0	0	33	18	-80	-128	-124	-90	-7	0	0	-378
2053	0	0	0	33	17	-81	-131	-126	-91	-7	0	0	-387
2054	0	0	0	33	16	-83	-133	-128	-93	-7	0	0	-396
2055	0	0	0	32	15	-84	-135	-130	-94	-8	0	0	-404
2056	0	0	0	32	14	-86	-137	-132	-96	-8	0	0	-413
2057	0	0	0	32	13	-88	-139	-134	-97	-9	0	0	-422
2058	0	0	0	31	12	-89	-141	-136	-99	-9	0	0	-431
2059	0	0	0	31	11	-91	-143	-138	-100	-10	0	0	-441
2060	0	0	0	31	10	-93	-145	-140	-102	-10	0	0	-450
2061	0	0	0	30	8	-94	-148	-142	-103	-11	0	0	-459
2062	0	0	0	30	7	-96	-150	-144	-105	-11	0	0	-469
2063	0	0	0	30	6	-98	-152	-147	-107	-12	0	0	-479
2064	0	0	0	29	5	-99	-155	-149	-108	-12	0	0	-489
2065	0	0	0	29	4	-101	-157	-151	-110	-13	0	0	-499

Mona Table 22

Mona													
Remaining Available Supply - Growing Conservation - Outdoor - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	45	55	-22	-51	-53	-35	9	0	0	-52
2018	0	0	0	45	54	-23	-53	-54	-36	9	0	0	-59
2019	0	0	0	44	53	-24	-55	-56	-37	9	0	0	-66
2020	0	0	0	44	52	-25	-56	-57	-39	8	0	0	-73
2021	0	0	0	44	52	-26	-57	-58	-39	8	0	0	-76
2022	0	0	0	44	51	-27	-58	-59	-40	8	0	0	-80
2023	0	0	0	44	51	-27	-59	-60	-40	8	0	0	-84
2024	0	0	0	44	51	-28	-60	-60	-41	8	0	0	-88
2025	0	0	0	43	50	-29	-61	-61	-42	7	0	0	-91
2026	0	0	0	43	50	-29	-62	-62	-42	7	0	0	-95
2027	0	0	0	43	49	-30	-63	-63	-43	7	0	0	-99
2028	0	0	0	43	49	-31	-64	-64	-44	7	0	0	-104
2029	0	0	0	43	48	-32	-65	-65	-44	7	0	0	-108
2030	0	0	0	43	48	-32	-66	-66	-45	6	0	0	-112
2031	0	0	0	43	47	-33	-66	-67	-46	6	0	0	-115
2032	0	0	0	43	47	-34	-67	-67	-46	6	0	0	-119
2033	0	0	0	42	47	-34	-68	-68	-47	6	0	0	-123
2034	0	0	0	42	46	-35	-69	-69	-47	6	0	0	-126
2035	0	0	0	42	46	-36	-70	-70	-48	6	0	0	-130
2036	0	0	0	42	45	-36	-71	-71	-49	5	0	0	-134
2037	0	0	0	42	45	-37	-72	-71	-49	5	0	0	-137
2038	0	0	0	42	44	-38	-72	-72	-50	5	0	0	-141
2039	0	0	0	42	44	-38	-73	-73	-51	5	0	0	-145
2040	0	0	0	41	44	-39	-74	-74	-51	5	0	0	-149
2041	0	0	0	41	43	-40	-75	-75	-52	4	0	0	-153
2042	0	0	0	41	43	-40	-76	-76	-53	4	0	0	-157
2043	0	0	0	41	42	-41	-77	-77	-53	4	0	0	-162
2044	0	0	0	41	42	-42	-78	-78	-54	4	0	0	-166
2045	0	0	0	41	41	-43	-79	-79	-55	4	0	0	-170
2046	0	0	0	40	41	-44	-80	-80	-56	3	0	0	-175
2047	0	0	0	40	40	-44	-82	-81	-56	3	0	0	-179
2048	0	0	0	40	40	-45	-83	-82	-57	3	0	0	-184
2049	0	0	0	40	39	-46	-84	-83	-58	3	0	0	-189
2050	0	0	0	40	39	-47	-85	-84	-59	2	0	0	-193
2051	0	0	0	40	38	-48	-86	-85	-59	2	0	0	-197
2052	0	0	0	40	38	-48	-87	-86	-60	2	0	0	-202
2053	0	0	0	39	37	-49	-88	-87	-61	2	0	0	-206
2054	0	0	0	39	37	-50	-89	-88	-62	2	0	0	-210
2055	0	0	0	39	36	-51	-90	-88	-62	1	0	0	-215
2056	0	0	0	39	36	-51	-91	-89	-63	1	0	0	-219
2057	0	0	0	39	35	-52	-92	-90	-64	1	0	0	-224
2058	0	0	0	39	35	-53	-93	-91	-65	1	0	0	-228
2059	0	0	0	38	34	-54	-94	-92	-65	0	0	0	-233
2060	0	0	0	38	34	-55	-95	-94	-66	0	0	0	-238
2061	0	0	0	38	33	-56	-96	-94	-67	0	0	0	-242
2062	0	0	0	38	33	-56	-97	-95	-68	0	0	0	-246
2063	0	0	0	38	32	-57	-98	-96	-68	0	0	0	-251
2064	0	0	0	38	32	-58	-99	-97	-69	-1	0	0	-255
2065	0	0	0	37	31	-59	-100	-98	-70	-1	0	0	-260

Mona Table 23

Mona													
Irrigation Shares - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	58	96	44	35	28	27	27	0	0	315
2018	0	0	0	58	96	44	35	28	27	27	0	0	315
2019	0	0	0	58	96	44	35	28	27	27	0	0	315
2020	0	0	0	58	96	44	35	28	27	27	0	0	315
2021	0	0	0	58	96	44	35	28	27	27	0	0	315
2022	0	0	0	58	96	44	35	28	27	27	0	0	315
2023	0	0	0	58	96	44	35	28	27	27	0	0	315
2024	0	0	0	58	96	44	35	28	27	27	0	0	315
2025	0	0	0	58	96	44	35	28	27	27	0	0	315
2026	0	0	0	58	96	44	35	28	27	27	0	0	315
2027	0	0	0	58	96	44	35	28	27	27	0	0	315
2028	0	0	0	58	96	44	35	28	27	27	0	0	315
2029	0	0	0	58	96	44	35	28	27	27	0	0	315
2030	0	0	0	58	96	44	35	28	27	27	0	0	315
2031	0	0	0	58	96	44	35	28	27	27	0	0	315
2032	0	0	0	58	96	44	35	28	27	27	0	0	315
2033	0	0	0	58	96	44	35	28	27	27	0	0	315
2034	0	0	0	58	96	44	35	28	27	27	0	0	315
2035	0	0	0	58	96	44	35	28	27	27	0	0	315
2036	0	0	0	58	96	44	35	28	27	27	0	0	315
2037	0	0	0	58	96	44	35	28	27	27	0	0	315
2038	0	0	0	58	96	44	35	28	27	27	0	0	315
2039	0	0	0	58	96	44	35	28	27	27	0	0	315
2040	0	0	0	58	96	44	35	28	27	27	0	0	315
2041	0	0	0	58	96	44	35	28	27	27	0	0	315
2042	0	0	0	58	96	44	35	28	27	27	0	0	315
2043	0	0	0	58	96	44	35	28	27	27	0	0	315
2044	0	0	0	58	96	44	35	28	27	27	0	0	315
2045	0	0	0	58	96	44	35	28	27	27	0	0	315
2046	0	0	0	58	96	44	35	28	27	27	0	0	315
2047	0	0	0	58	96	44	35	28	27	27	0	0	315
2048	0	0	0	58	96	44	35	28	27	27	0	0	315
2049	0	0	0	58	96	44	35	28	27	27	0	0	315
2050	0	0	0	58	96	44	35	28	27	27	0	0	315
2051	0	0	0	58	96	44	35	28	27	27	0	0	315
2052	0	0	0	58	96	44	35	28	27	27	0	0	315
2053	0	0	0	58	96	44	35	28	27	27	0	0	315
2054	0	0	0	58	96	44	35	28	27	27	0	0	315
2055	0	0	0	58	96	44	35	28	27	27	0	0	315
2056	0	0	0	58	96	44	35	28	27	27	0	0	315
2057	0	0	0	58	96	44	35	28	27	27	0	0	315
2058	0	0	0	58	96	44	35	28	27	27	0	0	315
2059	0	0	0	58	96	44	35	28	27	27	0	0	315
2060	0	0	0	58	96	44	35	28	27	27	0	0	315
2061	0	0	0	58	96	44	35	28	27	27	0	0	315
2062	0	0	0	58	96	44	35	28	27	27	0	0	315
2063	0	0	0	58	96	44	35	28	27	27	0	0	315
2064	0	0	0	58	96	44	35	28	27	27	0	0	315
2065	0	0	0	58	96	44	35	28	27	27	0	0	315

Mona Table 24

Mona													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	33	30	33	32	33	32	33	33	32	33	32	33	387
2017	17	15	17	17	15	11	11	12	14	17	17	18	180
2018	18	16	17	17	15	12	12	13	14	18	18	18	189
2019	18	17	18	18	16	13	13	14	15	19	18	19	199
2020	19	17	19	19	17	14	14	15	16	19	19	20	209
2021	20	18	19	19	18	15	15	16	17	20	20	20	217
2022	20	18	20	20	19	16	16	17	18	21	20	21	225
2023	21	19	21	21	19	17	17	17	18	21	21	22	234
2024	22	20	21	21	20	18	18	18	19	22	21	22	243
2025	22	20	22	22	21	18	19	19	20	23	22	23	252
2026	23	21	23	23	22	19	20	20	21	23	23	24	261
2027	24	22	24	23	23	20	21	21	22	24	23	24	270
2028	25	22	24	24	23	21	22	22	22	25	24	25	280
2029	25	23	25	25	24	22	23	23	23	25	25	26	290
2030	26	24	26	26	25	23	24	24	24	26	26	27	300
2031	27	24	27	26	26	24	25	25	25	27	26	27	307
2032	27	25	27	27	26	25	25	26	25	27	27	28	315
2033	28	25	28	27	27	25	26	26	26	28	27	28	322
2034	28	26	28	28	28	26	27	27	27	28	28	29	330
2035	29	26	29	28	28	27	28	28	27	29	28	29	337
2036	30	27	30	29	29	28	28	29	28	30	29	30	345
2037	30	27	30	29	30	28	29	29	29	30	29	30	353
2038	31	28	31	30	31	29	30	30	30	31	30	31	361
2039	32	28	31	31	31	30	31	31	30	32	31	32	370
2040	32	29	32	31	32	31	32	32	31	32	31	32	378
2041	33	29	33	32	33	32	33	33	32	33	32	33	384
2042	33	30	33	32	33	32	33	33	32	33	32	33	390
2043	34	30	34	33	34	33	34	34	33	34	33	34	397
2044	34	31	34	33	34	33	35	35	33	34	33	34	403
2045	35	31	35	33	35	34	35	35	34	35	33	35	410
2046	35	32	35	34	35	35	36	36	34	35	34	35	416
2047	36	32	36	34	36	35	37	37	35	36	34	35	423
2048	36	33	36	35	37	36	37	37	36	36	35	36	430
2049	37	33	37	35	37	37	38	38	36	37	35	36	437
2050	37	34	37	36	38	37	39	39	37	37	36	37	444
2051	38	34	38	36	38	38	39	39	37	38	36	37	450
2052	38	35	38	37	39	39	40	40	38	38	37	38	457
2053	39	35	39	37	40	39	41	41	39	39	37	38	463
2054	39	35	39	38	40	40	42	41	39	39	38	39	470
2055	40	36	40	38	41	41	42	42	40	40	38	39	477
2056	40	36	40	39	41	41	43	43	40	40	39	40	483
2057	41	37	41	39	42	42	44	43	41	41	39	40	490
2058	41	37	42	40	43	43	44	44	42	41	40	41	497
2059	42	38	42	40	43	43	45	45	42	42	40	41	505
2060	42	38	43	41	44	44	46	45	43	42	41	42	512
2061	43	39	43	41	45	45	47	46	43	43	41	42	519
2062	44	39	44	42	45	46	47	47	44	44	42	43	526
2063	44	40	44	42	46	46	48	48	45	44	42	44	534
2064	45	40	45	43	47	47	49	48	45	45	43	44	541
2065	45	41	46	44	47	48	50	49	46	45	43	45	549

Mona Table 25

Mona													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	45	54	-23	-53	-54	-36	9	0	0	-59
2018	0	0	0	49	60	-22	-54	-55	-36	10	0	0	-48
2019	0	0	0	53	66	-21	-54	-56	-37	12	0	0	-37
2020	0	0	0	58	73	-20	-55	-57	-37	14	0	0	-26
2021	0	0	0	61	78	-19	-56	-58	-38	15	0	0	-17
2022	0	0	0	65	83	-19	-56	-59	-38	16	0	0	-8
2023	0	0	0	68	88	-18	-57	-60	-38	17	0	0	1
2024	0	0	0	72	94	-17	-58	-61	-39	19	0	0	10
2025	0	0	0	76	100	-17	-59	-62	-39	20	0	0	20
2026	0	0	0	80	106	-16	-59	-63	-39	22	0	0	30
2027	0	0	0	85	112	-15	-60	-64	-40	23	0	0	40
2028	0	0	0	89	118	-14	-61	-66	-40	25	0	0	51
2029	0	0	0	93	124	-14	-62	-67	-41	26	0	0	59
2030	0	0	0	94	125	-15	-65	-70	-43	26	0	0	51
2031	0	0	0	95	125	-17	-67	-72	-45	26	0	0	46
2032	0	0	0	95	126	-18	-69	-74	-46	26	0	0	40
2033	0	0	0	96	126	-19	-72	-76	-48	26	0	0	33
2034	0	0	0	97	127	-21	-74	-79	-49	26	0	0	27
2035	0	0	0	98	128	-22	-76	-81	-51	26	0	0	21
2036	0	0	0	99	128	-24	-79	-83	-53	26	0	0	14
2037	0	0	0	99	129	-25	-81	-86	-54	26	0	0	7
2038	0	0	0	100	129	-26	-84	-88	-56	25	0	0	1
2039	0	0	0	101	130	-28	-86	-91	-58	25	0	0	-6
2040	0	0	0	102	131	-30	-89	-93	-60	25	0	0	-14
2041	0	0	0	102	131	-31	-91	-95	-61	25	0	0	-19
2042	0	0	0	103	131	-32	-93	-97	-63	25	0	0	-25
2043	0	0	0	104	132	-33	-95	-99	-64	25	0	0	-31
2044	0	0	0	104	132	-35	-97	-101	-65	25	0	0	-37
2045	0	0	0	105	133	-36	-99	-103	-67	25	0	0	-43
2046	0	0	0	106	133	-37	-101	-105	-68	25	0	0	-49
2047	0	0	0	106	133	-39	-104	-108	-70	25	0	0	-55
2048	0	0	0	107	134	-40	-106	-110	-72	25	0	0	-62
2049	0	0	0	108	134	-41	-108	-112	-73	25	0	0	-68
2050	0	0	0	108	135	-43	-111	-114	-75	25	0	0	-75
2051	0	0	0	109	135	-44	-113	-116	-76	24	0	0	-81
2052	0	0	0	109	136	-45	-115	-118	-78	24	0	0	-87
2053	0	0	0	110	136	-47	-117	-121	-79	24	0	0	-94
2054	0	0	0	111	136	-48	-119	-123	-81	24	0	0	-100
2055	0	0	0	111	137	-50	-122	-125	-83	24	0	0	-107
2056	0	0	0	112	137	-51	-124	-127	-84	24	0	0	-114
2057	0	0	0	113	138	-53	-126	-130	-86	24	0	0	-121
2058	0	0	0	113	138	-54	-129	-132	-88	24	0	0	-128
2059	0	0	0	114	138	-56	-131	-134	-89	24	0	0	-135
2060	0	0	0	115	139	-57	-134	-137	-91	24	0	0	-142
2061	0	0	0	115	139	-59	-136	-139	-93	23	0	0	-149
2062	0	0	0	116	140	-60	-139	-142	-95	23	0	0	-156
2063	0	0	0	117	140	-62	-142	-144	-96	23	0	0	-164
2064	0	0	0	118	140	-63	-144	-147	-98	23	0	0	-172
2065	0	0	0	118	141	-65	-147	-149	-100	23	0	0	-179

Mona Table 26

Mona													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	33	30	33	90	129	75	68	61	58	60	32	33	702
2017	17	15	17	61	68	-12	-42	-42	-23	26	17	18	121
2018	18	16	17	66	75	-10	-42	-42	-22	28	18	18	141
2019	18	17	18	71	82	-8	-41	-42	-22	31	18	19	162
2020	19	17	19	76	90	-6	-41	-42	-21	33	19	20	183
2021	20	18	19	81	96	-4	-41	-42	-21	35	20	20	200
2022	20	18	20	85	102	-3	-41	-43	-20	37	20	21	217
2023	21	19	21	89	108	-1	-40	-43	-20	39	21	22	235
2024	22	20	21	94	114	0	-40	-43	-20	41	21	22	253
2025	22	20	22	98	121	2	-40	-43	-19	43	22	23	272
2026	23	21	23	103	127	4	-40	-43	-19	45	23	24	291
2027	24	22	24	108	134	5	-40	-43	-18	47	23	24	310
2028	25	22	24	113	141	7	-39	-44	-18	49	24	25	331
2029	25	23	25	118	148	9	-39	-44	-18	51	25	26	349
2030	26	24	26	120	150	8	-41	-46	-19	52	26	27	352
2031	27	24	27	121	151	7	-43	-47	-20	53	26	27	353
2032	27	25	27	122	152	7	-44	-49	-21	53	27	28	354
2033	28	25	28	123	154	6	-46	-50	-22	54	27	28	356
2034	28	26	28	125	155	5	-47	-52	-23	54	28	29	357
2035	29	26	29	126	156	5	-49	-53	-24	55	28	29	358
2036	30	27	30	127	157	4	-50	-55	-24	55	29	30	359
2037	30	27	30	129	159	3	-52	-56	-26	56	29	30	361
2038	31	28	31	130	160	3	-54	-58	-27	56	30	31	362
2039	32	28	31	132	161	2	-55	-59	-28	57	31	32	363
2040	32	29	32	133	163	1	-57	-61	-29	58	31	32	364
2041	33	29	33	134	164	1	-58	-63	-30	58	32	33	365
2042	33	30	33	135	165	0	-60	-64	-30	58	32	33	365
2043	34	30	34	136	166	-1	-61	-65	-31	59	33	34	366
2044	34	31	34	137	167	-1	-63	-67	-32	59	33	34	366
2045	35	31	35	138	168	-2	-64	-68	-33	60	33	35	367
2046	35	32	35	140	169	-3	-66	-70	-34	60	34	35	367
2047	36	32	36	141	170	-3	-67	-71	-35	60	34	35	368
2048	36	33	36	142	171	-4	-69	-73	-36	61	35	36	368
2049	37	33	37	143	172	-5	-70	-74	-37	61	35	36	369
2050	37	34	37	144	173	-5	-72	-76	-38	62	36	37	369
2051	38	34	38	145	174	-6	-73	-77	-39	62	36	37	369
2052	38	35	38	146	175	-7	-75	-79	-40	63	37	38	369
2053	39	35	39	147	176	-7	-76	-80	-41	63	37	38	369
2054	39	35	39	149	177	-8	-78	-82	-42	63	38	39	370
2055	40	36	40	150	178	-9	-79	-83	-43	64	38	39	370
2056	40	36	40	151	179	-10	-81	-85	-44	64	39	40	370
2057	41	37	41	152	180	-11	-83	-86	-45	65	39	40	370
2058	41	37	42	153	181	-11	-84	-88	-46	65	40	41	370
2059	42	38	42	154	182	-12	-86	-90	-47	65	40	41	370
2060	42	38	43	156	183	-13	-88	-91	-48	66	41	42	370
2061	43	39	43	157	184	-14	-90	-93	-49	66	41	42	370
2062	44	39	44	158	185	-15	-91	-95	-51	67	42	43	370
2063	44	40	44	159	186	-15	-93	-97	-52	67	42	44	370
2064	45	40	45	161	187	-16	-95	-98	-53	68	43	44	370
2065	45	41	46	162	188	-17	-97	-100	-54	68	43	45	370

Mona Table 27

Mona													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	33	30	33	32	33	32	33	33	32	33	32	33	387
2017	19	17	19	19	17	14	14	15	16	19	19	20	210
2018	20	18	20	20	18	15	15	16	17	20	20	21	220
2019	21	19	21	20	19	16	16	17	18	21	21	21	231
2020	22	20	21	21	20	17	18	18	19	22	21	22	242
2021	22	20	22	22	21	18	19	19	20	22	22	23	251
2022	23	21	23	23	22	19	20	20	21	23	23	24	260
2023	24	22	24	23	22	20	21	21	22	24	23	24	270
2024	25	22	24	24	23	21	22	22	22	25	24	25	280
2025	25	23	25	25	24	22	23	23	23	25	25	26	290
2026	26	24	26	25	25	23	24	24	24	26	26	27	300
2027	27	24	27	26	26	24	25	25	25	27	26	27	310
2028	28	25	28	27	27	25	26	26	26	28	27	28	321
2029	29	26	29	28	28	26	27	27	27	29	28	29	333
2030	30	27	29	29	29	28	28	29	28	30	29	30	344
2031	30	27	30	29	30	28	29	29	29	30	29	30	352
2032	31	28	31	30	30	29	30	30	29	31	30	31	360
2033	31	28	31	30	31	30	31	31	30	31	30	32	369
2034	32	29	32	31	32	31	32	32	31	32	31	32	377
2035	33	30	33	32	33	32	33	33	32	33	32	33	386
2036	33	30	33	32	34	33	34	34	32	33	32	33	394
2037	34	31	34	33	34	33	35	35	33	34	33	34	403
2038	35	31	35	34	35	34	36	35	34	35	34	35	412
2039	36	32	36	34	36	35	37	36	35	36	34	35	422
2040	36	33	36	35	37	36	37	37	36	36	35	36	431
2041	37	33	37	36	37	37	38	38	36	37	35	37	438
2042	37	34	37	36	38	38	39	39	37	37	36	37	445
2043	38	34	38	37	39	38	40	39	38	38	36	38	452
2044	38	35	39	37	39	39	40	40	38	38	37	38	459
2045	39	35	39	38	40	40	41	41	39	39	37	39	467
2046	40	36	40	38	41	40	42	42	39	40	38	39	474
2047	40	36	40	39	41	41	43	42	40	40	39	40	481
2048	41	37	41	39	42	42	44	43	41	41	39	40	489
2049	41	37	42	40	43	43	44	44	41	41	40	41	497
2050	42	38	42	40	43	43	45	45	42	42	40	41	504
2051	42	38	43	41	44	44	46	45	43	42	41	42	512
2052	43	39	43	41	45	45	47	46	43	43	41	42	519
2053	44	39	44	42	45	46	47	47	44	44	42	43	526
2054	44	40	44	42	46	46	48	48	45	44	42	44	534
2055	45	40	45	43	47	47	49	48	45	45	43	44	541
2056	45	41	46	44	47	48	50	49	46	45	43	45	549
2057	46	41	46	44	48	49	51	50	47	46	44	45	557
2058	46	42	47	45	49	49	52	51	47	46	45	46	565
2059	47	43	48	45	49	50	52	52	48	47	45	46	573
2060	48	43	48	46	50	51	53	52	49	48	46	47	581
2061	48	44	49	46	51	52	54	53	50	48	46	48	589
2062	49	44	49	47	51	53	55	54	50	49	47	48	597
2063	50	45	50	48	52	53	56	55	51	50	47	49	605
2064	50	45	51	48	53	54	57	56	52	50	48	49	614
2065	51	46	51	49	54	55	58	57	52	51	49	50	622

Mona Table 28

Mona													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	45	55	-22	-51	-53	-35	9	0	0	-52
2018	0	0	0	49	61	-20	-51	-53	-35	11	0	0	-37
2019	0	0	0	54	68	-18	-51	-53	-34	13	0	0	-21
2020	0	0	0	58	75	-16	-50	-53	-34	15	0	0	-5
2021	0	0	0	62	81	-15	-50	-53	-33	16	0	0	8
2022	0	0	0	66	86	-14	-50	-53	-33	18	0	0	21
2023	0	0	0	70	92	-12	-49	-53	-33	19	0	0	34
2024	0	0	0	74	98	-11	-49	-53	-32	21	0	0	48
2025	0	0	0	78	105	-9	-49	-53	-32	22	0	0	62
2026	0	0	0	82	111	-7	-48	-53	-32	24	0	0	77
2027	0	0	0	86	118	-6	-48	-53	-31	26	0	0	92
2028	0	0	0	91	124	-4	-48	-53	-31	27	0	0	107
2029	0	0	0	95	131	-3	-47	-53	-31	29	0	0	121
2030	0	0	0	96	132	-3	-49	-55	-32	29	0	0	118
2031	0	0	0	97	133	-4	-50	-56	-33	29	0	0	116
2032	0	0	0	98	134	-5	-52	-58	-34	29	0	0	114
2033	0	0	0	99	135	-5	-53	-59	-35	30	0	0	112
2034	0	0	0	100	136	-6	-55	-60	-35	30	0	0	110
2035	0	0	0	101	137	-7	-56	-62	-36	30	0	0	107
2036	0	0	0	102	138	-7	-57	-63	-37	30	0	0	105
2037	0	0	0	103	139	-8	-59	-65	-38	30	0	0	102
2038	0	0	0	104	141	-9	-60	-66	-39	30	0	0	100
2039	0	0	0	105	142	-10	-62	-68	-40	30	0	0	97
2040	0	0	0	106	143	-10	-63	-69	-42	31	0	0	95
2041	0	0	0	106	144	-11	-65	-71	-42	31	0	0	92
2042	0	0	0	107	144	-12	-66	-72	-43	31	0	0	90
2043	0	0	0	108	145	-12	-67	-73	-44	31	0	0	88
2044	0	0	0	109	146	-13	-68	-74	-45	31	0	0	85
2045	0	0	0	109	147	-14	-70	-76	-46	31	0	0	83
2046	0	0	0	110	148	-14	-71	-77	-47	31	0	0	80
2047	0	0	0	111	149	-15	-72	-78	-48	31	0	0	78
2048	0	0	0	112	149	-16	-74	-80	-49	31	0	0	75
2049	0	0	0	113	150	-16	-75	-81	-50	32	0	0	73
2050	0	0	0	113	151	-17	-76	-82	-50	32	0	0	70
2051	0	0	0	114	152	-18	-78	-84	-51	32	0	0	68
2052	0	0	0	115	153	-18	-79	-85	-52	32	0	0	65
2053	0	0	0	116	154	-19	-80	-86	-53	32	0	0	62
2054	0	0	0	117	154	-20	-82	-88	-54	32	0	0	60
2055	0	0	0	117	155	-21	-83	-89	-55	32	0	0	57
2056	0	0	0	118	156	-21	-85	-90	-56	32	0	0	54
2057	0	0	0	119	157	-22	-86	-92	-57	32	0	0	51
2058	0	0	0	120	158	-23	-87	-93	-58	32	0	0	48
2059	0	0	0	121	159	-24	-89	-95	-59	32	0	0	45
2060	0	0	0	121	160	-24	-90	-96	-60	33	0	0	42
2061	0	0	0	122	160	-25	-92	-98	-61	33	0	0	39
2062	0	0	0	123	161	-26	-94	-99	-62	33	0	0	36
2063	0	0	0	124	162	-27	-95	-101	-63	33	0	0	33
2064	0	0	0	125	163	-28	-97	-103	-64	33	0	0	30
2065	0	0	0	126	164	-28	-98	-104	-66	33	0	0	26

Mona Table 29

Mona													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	33	30	33	90	129	75	68	61	58	60	32	33	702
2017	19	17	19	64	72	-7	-37	-38	-19	29	19	20	158
2018	20	18	20	69	79	-5	-36	-37	-17	31	20	21	184
2019	21	19	21	74	87	-2	-34	-36	-16	34	21	21	210
2020	22	20	21	80	95	1	-32	-34	-15	36	21	22	237
2021	22	20	22	84	101	3	-31	-34	-13	39	22	23	259
2022	23	21	23	88	108	6	-30	-33	-12	41	23	24	281
2023	24	22	24	93	115	8	-29	-32	-11	43	23	24	304
2024	25	22	24	98	122	11	-27	-31	-10	45	24	25	328
2025	25	23	25	103	129	13	-26	-30	-9	48	25	26	352
2026	26	24	26	108	136	16	-25	-29	-7	50	26	27	377
2027	27	24	27	113	144	19	-23	-28	-6	53	26	27	402
2028	28	25	28	118	152	21	-22	-27	-5	55	27	28	429
2029	29	26	29	123	159	24	-20	-26	-4	58	28	29	454
2030	30	27	29	125	161	24	-21	-27	-4	59	29	30	463
2031	30	27	30	127	163	24	-21	-27	-4	60	29	30	468
2032	31	28	31	128	165	25	-22	-28	-4	60	30	31	474
2033	31	28	31	129	167	25	-22	-28	-4	61	30	32	480
2034	32	29	32	131	168	25	-23	-29	-5	62	31	32	487
2035	33	30	33	133	170	25	-23	-29	-5	63	32	33	493
2036	33	30	33	134	172	25	-24	-30	-5	63	32	33	499
2037	34	31	34	136	174	25	-24	-30	-5	64	33	34	506
2038	35	31	35	137	176	26	-25	-31	-5	65	34	35	512
2039	36	32	36	139	178	26	-25	-31	-6	66	34	35	519
2040	36	33	36	141	180	26	-26	-32	-6	67	35	36	526
2041	37	33	37	142	181	26	-26	-33	-6	67	35	37	530
2042	37	34	37	143	182	26	-27	-33	-6	68	36	37	535
2043	38	34	38	144	184	26	-27	-34	-7	69	36	38	540
2044	38	35	39	146	185	26	-28	-34	-7	69	37	38	545
2045	39	35	39	147	187	26	-28	-35	-7	70	37	39	549
2046	40	36	40	148	188	26	-29	-35	-7	71	38	39	554
2047	40	36	40	150	190	26	-29	-36	-8	71	39	40	559
2048	41	37	41	151	191	26	-30	-36	-8	72	39	40	564
2049	41	37	42	152	193	26	-31	-37	-8	73	40	41	569
2050	42	38	42	154	194	26	-31	-38	-8	73	40	41	575
2051	42	38	43	155	196	26	-32	-38	-9	74	41	42	579
2052	43	39	43	156	197	27	-32	-39	-9	75	41	42	584
2053	44	39	44	158	199	27	-33	-39	-9	75	42	43	589
2054	44	40	44	159	200	27	-33	-40	-9	76	42	44	593
2055	45	40	45	160	202	27	-34	-41	-10	77	43	44	598
2056	45	41	46	162	203	27	-35	-41	-10	77	43	45	603
2057	46	41	46	163	205	27	-35	-42	-10	78	44	45	608
2058	46	42	47	164	206	27	-36	-43	-11	79	45	46	613
2059	47	43	48	166	208	27	-37	-43	-11	79	45	46	618
2060	48	43	48	167	210	27	-37	-44	-11	80	46	47	623
2061	48	44	49	169	211	27	-38	-45	-12	81	46	48	628
2062	49	44	49	170	213	27	-39	-45	-12	82	47	48	633
2063	50	45	50	172	214	27	-39	-46	-12	82	47	49	638
2064	50	45	51	173	216	27	-40	-47	-13	83	48	49	643
2065	51	46	51	175	218	27	-41	-47	-13	84	49	50	649

Mona Table 30

Mona													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	33	30	33	32	33	32	33	33	32	33	32	33	387
2017	19	17	19	19	17	14	14	15	16	19	19	20	210
2018	20	18	20	20	18	15	15	16	17	20	20	21	221
2019	21	19	21	21	19	17	17	17	18	21	21	22	233
2020	22	20	22	22	20	18	18	18	19	22	22	23	245
2021	23	21	22	22	21	19	19	20	20	23	22	23	255
2022	24	21	23	23	22	20	20	21	21	24	23	24	266
2023	24	22	24	24	23	21	21	22	22	24	24	25	277
2024	25	23	25	25	24	22	22	23	23	25	25	26	288
2025	26	24	26	25	25	23	24	24	24	26	26	26	300
2026	27	24	27	26	26	24	25	25	25	27	26	27	312
2027	28	25	28	27	27	26	26	26	26	28	27	28	324
2028	29	26	29	28	28	27	28	28	27	29	28	29	336
2029	30	27	30	29	30	28	29	29	29	30	29	30	349
2030	31	28	31	30	31	29	30	30	30	31	30	31	363
2031	32	29	32	31	32	30	31	31	30	32	31	32	372
2032	32	29	32	31	32	31	32	32	31	32	31	32	381
2033	33	30	33	32	33	32	33	33	32	33	32	33	391
2034	34	31	34	33	34	33	34	34	33	34	33	34	401
2035	35	31	35	34	35	34	35	35	34	35	34	35	411
2036	35	32	36	34	36	35	36	36	35	35	34	35	421
2037	36	33	36	35	37	36	38	37	36	36	35	36	431
2038	37	33	37	36	38	37	39	38	37	37	36	37	442
2039	38	34	38	37	39	38	40	40	38	38	37	38	453
2040	39	35	39	37	40	39	41	41	39	39	37	38	464
2041	39	36	40	38	40	40	42	41	39	39	38	39	471
2042	40	36	40	39	41	41	43	42	40	40	38	40	479
2043	41	37	41	39	42	42	43	43	41	41	39	40	487
2044	41	37	41	40	42	43	44	44	41	41	40	41	495
2045	42	38	42	40	43	43	45	45	42	42	40	41	504
2046	42	38	43	41	44	44	46	46	43	42	41	42	512
2047	43	39	43	41	45	45	47	46	44	43	41	43	520
2048	44	40	44	42	45	46	48	47	44	44	42	43	529
2049	44	40	45	43	46	47	49	48	45	44	43	44	538
2050	45	41	45	43	47	48	50	49	46	45	43	44	547
2051	46	41	46	44	48	48	50	50	47	46	44	45	555
2052	46	42	47	45	48	49	51	51	47	46	44	46	563
2053	47	42	47	45	49	50	52	52	48	47	45	46	571
2054	48	43	48	46	50	51	53	52	49	48	46	47	580
2055	48	44	49	46	51	52	54	53	50	48	46	48	589
2056	49	44	50	47	51	53	55	54	50	49	47	48	597
2057	50	45	50	48	52	54	56	55	51	50	47	49	606
2058	50	46	51	48	53	54	57	56	52	50	48	50	615
2059	51	46	52	49	54	55	58	57	53	51	49	50	624
2060	52	47	52	50	55	56	59	58	53	52	49	51	634
2061	53	47	53	50	56	57	60	59	54	52	50	52	643
2062	53	48	54	51	56	58	61	60	55	53	51	52	653
2063	54	49	55	52	57	59	62	61	56	54	51	53	662
2064	55	49	55	52	58	60	63	62	57	55	52	54	672
2065	55	50	56	53	59	61	64	63	58	55	53	54	682

Mona Table 31

Mona													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	58	96	44	35	28	27	27	0	0	315
2017	0	0	0	45	55	-22	-51	-53	-35	9	0	0	-52
2018	0	0	0	49	62	-19	-50	-52	-34	11	0	0	-33
2019	0	0	0	54	69	-17	-49	-51	-33	13	0	0	-14
2020	0	0	0	59	76	-14	-48	-50	-32	15	0	0	6
2021	0	0	0	63	82	-12	-46	-49	-31	17	0	0	24
2022	0	0	0	67	89	-10	-44	-48	-29	19	0	0	43
2023	0	0	0	71	95	-7	-43	-47	-28	20	0	0	62
2024	0	0	0	75	102	-5	-41	-45	-27	22	0	0	82
2025	0	0	0	79	109	-2	-39	-44	-25	24	0	0	102
2026	0	0	0	84	116	1	-37	-43	-24	26	0	0	123
2027	0	0	0	88	124	4	-35	-41	-22	28	0	0	145
2028	0	0	0	93	131	7	-33	-40	-21	30	0	0	167
2029	0	0	0	98	139	9	-32	-39	-19	32	0	0	188
2030	0	0	0	99	141	10	-32	-39	-19	33	0	0	193
2031	0	0	0	100	142	10	-32	-39	-19	33	0	0	196
2032	0	0	0	101	144	10	-32	-39	-19	34	0	0	199
2033	0	0	0	102	145	11	-32	-39	-19	34	0	0	202
2034	0	0	0	103	147	11	-32	-39	-19	34	0	0	205
2035	0	0	0	104	149	11	-32	-40	-19	35	0	0	208
2036	0	0	0	106	150	12	-32	-40	-19	35	0	0	211
2037	0	0	0	107	152	12	-32	-40	-20	36	0	0	215
2038	0	0	0	108	154	12	-32	-40	-20	36	0	0	218
2039	0	0	0	109	156	13	-32	-40	-20	37	0	0	222
2040	0	0	0	110	158	13	-33	-41	-20	37	0	0	225
2041	0	0	0	111	159	13	-33	-41	-20	37	0	0	226
2042	0	0	0	112	160	13	-33	-42	-20	38	0	0	228
2043	0	0	0	113	161	13	-34	-42	-20	38	0	0	229
2044	0	0	0	114	162	13	-34	-42	-21	38	0	0	230
2045	0	0	0	115	164	13	-35	-43	-21	38	0	0	232
2046	0	0	0	116	165	13	-35	-43	-21	39	0	0	233
2047	0	0	0	117	166	13	-35	-44	-21	39	0	0	234
2048	0	0	0	118	168	13	-36	-44	-22	39	0	0	236
2049	0	0	0	119	169	13	-36	-45	-22	40	0	0	237
2050	0	0	0	120	170	13	-37	-45	-22	40	0	0	239
2051	0	0	0	120	171	13	-37	-46	-22	40	0	0	240
2052	0	0	0	121	173	13	-37	-46	-23	40	0	0	242
2053	0	0	0	122	174	13	-38	-47	-23	41	0	0	243
2054	0	0	0	123	175	13	-38	-47	-23	41	0	0	245
2055	0	0	0	124	177	13	-38	-47	-23	41	0	0	246
2056	0	0	0	125	178	13	-39	-48	-24	42	0	0	248
2057	0	0	0	126	179	13	-39	-48	-24	42	0	0	249
2058	0	0	0	127	181	13	-40	-49	-24	42	0	0	251
2059	0	0	0	128	182	13	-40	-49	-24	43	0	0	253
2060	0	0	0	129	184	13	-40	-50	-25	43	0	0	254
2061	0	0	0	130	185	14	-41	-50	-25	43	0	0	256
2062	0	0	0	131	186	14	-41	-50	-25	44	0	0	259
2063	0	0	0	132	188	14	-41	-51	-25	44	0	0	261
2064	0	0	0	133	190	14	-42	-51	-25	44	0	0	263
2065	0	0	0	134	191	14	-42	-52	-25	45	0	0	265

Mona Table 32

Mona													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	33	30	33	90	129	75	68	61	58	60	32	33	702
2017	19	17	19	64	72	-7	-37	-38	-19	29	19	20	158
2018	20	18	20	69	80	-4	-35	-36	-17	31	20	21	188
2019	21	19	21	75	88	0	-32	-34	-15	34	21	22	219
2020	22	20	22	80	97	3	-30	-32	-13	37	22	23	251
2021	23	21	22	85	104	7	-27	-30	-10	40	22	23	279
2022	24	21	23	90	111	10	-24	-27	-8	42	23	24	309
2023	24	22	24	94	119	14	-21	-25	-6	45	24	25	339
2024	25	23	25	100	126	17	-18	-23	-4	48	25	26	370
2025	26	24	26	105	134	21	-15	-20	-1	50	26	26	402
2026	27	24	27	110	142	25	-12	-17	1	53	26	27	435
2027	28	25	28	116	151	29	-9	-15	4	56	27	28	469
2028	29	26	29	121	160	33	-6	-12	7	59	28	29	504
2029	30	27	30	127	168	38	-3	-9	9	62	29	30	538
2030	31	28	31	129	172	39	-1	-8	10	64	30	31	556
2031	32	29	32	131	174	41	0	-7	11	65	31	32	568
2032	32	29	32	133	176	42	1	-7	12	66	31	32	581
2033	33	30	33	134	179	43	1	-6	13	67	32	33	593
2034	34	31	34	136	181	44	2	-5	14	68	33	34	606
2035	35	31	35	138	184	45	3	-4	14	70	34	35	619
2036	35	32	36	140	186	47	4	-4	15	71	34	35	632
2037	36	33	36	142	189	48	5	-3	16	72	35	36	646
2038	37	33	37	144	192	49	6	-2	17	73	36	37	660
2039	38	34	38	146	194	51	7	-1	18	74	37	38	674
2040	39	35	39	148	197	52	8	0	19	76	37	38	689
2041	39	36	40	149	199	53	9	0	19	77	38	39	698
2042	40	36	40	151	201	54	9	1	20	77	38	40	707
2043	41	37	41	152	203	55	10	1	20	78	39	40	716
2044	41	37	41	154	205	55	10	1	21	79	40	41	726
2045	42	38	42	155	207	56	11	2	21	80	40	41	735
2046	42	38	43	157	209	57	11	2	22	81	41	42	745
2047	43	39	43	158	211	58	12	3	22	82	41	43	755
2048	44	40	44	160	213	59	12	3	23	83	42	43	765
2049	44	40	45	161	215	60	13	3	23	84	43	44	775
2050	45	41	45	163	217	61	13	4	24	85	43	44	785
2051	46	41	46	164	219	61	14	4	24	86	44	45	795
2052	46	42	47	166	221	62	14	5	25	87	44	46	805
2053	47	42	47	167	223	63	15	5	25	88	45	46	815
2054	48	43	48	169	225	64	15	5	26	89	46	47	825
2055	48	44	49	171	227	65	16	6	26	90	46	48	835
2056	49	44	50	172	229	66	16	6	27	91	47	48	845
2057	50	45	50	174	232	67	17	7	27	92	47	49	856
2058	50	46	51	175	234	68	17	7	28	93	48	50	866
2059	51	46	52	177	236	69	18	8	28	94	49	50	877
2060	52	47	52	179	238	70	18	8	29	95	49	51	888
2061	53	47	53	180	241	71	19	9	30	96	50	52	900
2062	53	48	54	182	243	72	20	9	30	97	51	52	911
2063	54	49	55	184	245	73	21	10	31	98	51	53	923
2064	55	49	55	186	248	74	21	11	32	99	52	54	935
2065	55	50	56	188	250	75	22	11	32	100	53	54	947

NEPHI

Explanation of Supply and Demand Tables – Nephi City

Nephi Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Nephi Table 2: ULS. ULS water is not available for the City of Nephi, therefore this table consists of all zeros.

Nephi Table 3: Strawberry Valley Project. Strawberry Valley Project (SVP) water is not available for the City of Nephi, therefore this table consists of all zeros.

Nephi Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Nephi Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Nephi Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Nephi Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Nephi Table 8: Spanish Fork River. No Spanish Fork river water is provided to the City, therefore this table consists of all zeros.

Nephi Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Nephi Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Nephi, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Nephi Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Nephi, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Nephi Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Nephi Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Nephi Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Nephi Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Nephi Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Nephi Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Nephi Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in

2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Nephi Table 19: Additional Groundwater – no ag conversion. This table is an alternate scenario from that of Table 7. The difference between this table and Table 7 is that this table assumes that, as agriculture is a primary industry for Nephi, agricultural land will not develop. Under this circumstance, no additional groundwater beyond the City's current water rights will be pumped.

Nephi Table 20: Remaining Available Supply – Current Use – Outdoor – no ag conversion. Compare to Table 25. Additional groundwater is limited to the City's current water rights.

Nephi Table 21: Remaining Available Supply – Conservation – Outdoor – no ag conversion. Compare to Table 28. Additional groundwater is limited to the City's current water rights.

Nephi Table 22: Remaining Available Supply – Growing Conservation – Outdoor – no ag conversion. Compare to Table 31. Additional groundwater is limited to the City's current water rights.

Nephi Table 23: Irrigation Shares – no conversion. This table is an alternate scenario from that of Table 9. The difference between this table and Table 9 is that this table assumes that, as agriculture is a primary industry for Nephi, agricultural land will not develop. Under this circumstance, no additional irrigation shares will convert to the City.

Nephi Table 24: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Nephi Table 25: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Nephi Table 26: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Nephi Table 27: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Nephi Table 28: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Nephi Table 29: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Nephi Table 30: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Nephi Table 31: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork

River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Nephi Table 32: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Nephi Table 1

Nephi													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2017	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2018	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2019	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2020	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2021	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2022	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2023	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2024	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2025	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2026	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2027	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2028	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2029	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2030	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2031	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2032	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2033	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2034	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2035	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2036	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2037	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2038	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2039	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2040	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2041	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2042	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2043	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2044	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2045	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2046	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2047	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2048	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2049	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2050	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2051	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2052	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2053	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2054	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2055	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2056	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2057	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2058	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2059	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2060	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2061	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2062	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2063	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2064	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2065	189	171	189	183	189	183	189	189	183	189	183	189	2,226

Nephi Table 2

Nephi													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Nephi Table 3

Nephi													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Nephi Table 4

Nephi													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	102	183	145	69	44	38	40	0	0	622
2018	0	0	0	102	183	145	69	44	38	40	0	0	622
2019	0	0	0	102	183	145	69	44	38	40	0	0	622
2020	0	0	0	130	234	185	88	57	49	52	0	0	795
2021	0	0	0	143	257	203	97	62	54	57	0	0	871
2022	0	0	0	155	279	221	105	68	58	62	0	0	948
2023	0	0	0	168	303	239	114	73	63	67	0	0	1,028
2024	0	0	0	182	327	258	123	79	68	72	0	0	1,110
2025	0	0	0	196	352	278	133	85	74	78	0	0	1,194
2026	0	0	0	210	377	298	142	91	79	83	0	0	1,281
2027	0	0	0	224	404	319	152	98	84	89	0	0	1,371
2028	0	0	0	239	431	341	162	104	90	95	0	0	1,462
2029	0	0	0	255	459	363	173	111	96	101	0	0	1,557
2030	0	0	0	271	487	385	184	118	102	108	0	0	1,654
2031	0	0	0	282	507	401	191	123	106	112	0	0	1,721
2032	0	0	0	293	527	417	199	128	110	116	0	0	1,790
2033	0	0	0	304	548	433	206	133	114	121	0	0	1,860
2034	0	0	0	316	569	450	214	138	119	126	0	0	1,931
2035	0	0	0	328	590	466	222	143	123	130	0	0	2,003
2036	0	0	0	340	612	484	230	148	128	135	0	0	2,077
2037	0	0	0	352	634	501	239	153	132	140	0	0	2,152
2038	0	0	0	365	657	519	247	159	137	145	0	0	2,229
2039	0	0	0	378	680	537	256	165	142	150	0	0	2,307
2040	0	0	0	391	703	556	265	170	147	155	0	0	2,387
2041	0	0	0	400	720	569	271	174	150	159	0	0	2,445
2042	0	0	0	410	738	583	278	179	154	163	0	0	2,504
2043	0	0	0	420	755	597	284	183	158	167	0	0	2,564
2044	0	0	0	430	773	611	291	187	161	171	0	0	2,624
2045	0	0	0	440	791	625	298	191	165	175	0	0	2,686
2046	0	0	0	450	809	640	305	196	169	179	0	0	2,748
2047	0	0	0	460	828	655	312	200	173	183	0	0	2,811
2048	0	0	0	471	847	669	319	205	177	187	0	0	2,875
2049	0	0	0	481	866	684	326	210	181	191	0	0	2,939
2050	0	0	0	492	885	700	333	214	185	195	0	0	3,005
2051	0	0	0	502	903	714	340	219	189	199	0	0	3,066
2052	0	0	0	512	921	728	347	223	192	203	0	0	3,127
2053	0	0	0	522	940	743	354	227	196	207	0	0	3,189
2054	0	0	0	532	958	757	361	232	200	212	0	0	3,252
2055	0	0	0	543	977	772	368	236	204	216	0	0	3,316
2056	0	0	0	553	996	787	375	241	208	220	0	0	3,381
2057	0	0	0	564	1,015	802	382	246	212	224	0	0	3,446
2058	0	0	0	575	1,035	818	390	250	216	228	0	0	3,512
2059	0	0	0	586	1,054	833	397	255	220	233	0	0	3,579
2060	0	0	0	597	1,074	849	405	260	224	237	0	0	3,647
2061	0	0	0	608	1,095	865	412	265	229	242	0	0	3,716
2062	0	0	0	620	1,115	881	420	270	233	246	0	0	3,785
2063	0	0	0	631	1,136	898	428	275	237	251	0	0	3,856
2064	0	0	0	643	1,157	914	436	280	242	255	0	0	3,927
2065	0	0	0	655	1,178	931	444	285	246	260	0	0	3,999

Nephi Table 5

Nephi													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	64	58	66	60	74	82	87	84	73	64	60	61	833
2017	64	58	66	60	74	82	87	84	73	64	60	61	833
2018	64	58	66	60	74	82	87	84	73	64	60	61	833
2019	64	58	66	60	74	82	87	84	73	64	60	61	833
2020	64	58	66	60	74	82	87	84	73	64	60	61	833
2021	64	58	66	60	74	82	87	84	73	64	60	61	833
2022	64	58	66	60	74	82	87	84	73	64	60	61	833
2023	64	58	66	60	74	82	87	84	73	64	60	61	833
2024	64	58	66	60	74	82	87	84	73	64	60	61	833
2025	64	58	66	60	74	82	87	84	73	64	60	61	833
2026	64	58	66	60	74	82	87	84	73	64	60	61	833
2027	64	58	66	60	74	82	87	84	73	64	60	61	833
2028	64	58	66	60	74	82	87	84	73	64	60	61	833
2029	64	58	66	60	74	82	87	84	73	64	60	61	833
2030	64	58	66	60	74	82	87	84	73	64	60	61	833
2031	64	58	66	60	74	82	87	84	73	64	60	61	833
2032	64	58	66	60	74	82	87	84	73	64	60	61	833
2033	64	58	66	60	74	82	87	84	73	64	60	61	833
2034	64	58	66	60	74	82	87	84	73	64	60	61	833
2035	64	58	66	60	74	82	87	84	73	64	60	61	833
2036	64	58	66	60	74	82	87	84	73	64	60	61	833
2037	64	58	66	60	74	82	87	84	73	64	60	61	833
2038	64	58	66	60	74	82	87	84	73	64	60	61	833
2039	64	58	66	60	74	82	87	84	73	64	60	61	833
2040	64	58	66	60	74	82	87	84	73	64	60	61	833
2041	64	58	66	60	74	82	87	84	73	64	60	61	833
2042	64	58	66	60	74	82	87	84	73	64	60	61	833
2043	64	58	66	60	74	82	87	84	73	64	60	61	833
2044	64	58	66	60	74	82	87	84	73	64	60	61	833
2045	64	58	66	60	74	82	87	84	73	64	60	61	833
2046	64	58	66	60	74	82	87	84	73	64	60	61	833
2047	64	58	66	60	74	82	87	84	73	64	60	61	833
2048	64	58	66	60	74	82	87	84	73	64	60	61	833
2049	64	58	66	60	74	82	87	84	73	64	60	61	833
2050	64	58	66	60	74	82	87	84	73	64	60	61	833
2051	64	58	66	60	74	82	87	84	73	64	60	61	833
2052	64	58	66	60	74	82	87	84	73	64	60	61	833
2053	64	58	66	60	74	82	87	84	73	64	60	61	833
2054	64	58	66	60	74	82	87	84	73	64	60	61	833
2055	64	58	66	60	74	82	87	84	73	64	60	61	833
2056	64	58	66	60	74	82	87	84	73	64	60	61	833
2057	64	58	66	60	74	82	87	84	73	64	60	61	833
2058	64	58	66	60	74	82	87	84	73	64	60	61	833
2059	64	58	66	60	74	82	87	84	73	64	60	61	833
2060	64	58	66	60	74	82	87	84	73	64	60	61	833
2061	64	58	66	60	74	82	87	84	73	64	60	61	833
2062	64	58	66	60	74	82	87	84	73	64	60	61	833
2063	64	58	66	60	74	82	87	84	73	64	60	61	833
2064	64	58	66	60	74	82	87	84	73	64	60	61	833
2065	64	58	66	60	74	82	87	84	73	64	60	61	833

Nephi Table 6

Nephi													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Nephi Table 7

Nephi													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	8	7	8	8	9	10	11	10	9	8	7	8	104
2019	16	15	17	16	19	21	23	22	19	16	15	16	214
2020	26	23	26	24	29	33	35	34	29	25	24	24	333
2021	29	27	30	28	34	38	40	39	34	29	27	28	385
2022	34	30	35	32	39	43	46	44	38	33	31	32	438
2023	38	34	39	36	44	49	52	50	43	38	35	36	492
2024	42	38	43	40	49	54	58	55	48	42	39	40	548
2025	46	42	48	44	54	60	64	61	53	46	43	44	606
2026	51	46	53	48	59	66	70	67	59	51	48	49	665
2027	56	50	57	53	64	72	76	73	64	56	52	53	726
2028	61	55	62	57	70	78	83	80	69	60	56	58	789
2029	66	59	68	62	76	85	90	86	75	65	61	62	854
2030	71	64	73	67	82	91	97	93	81	70	66	67	920
2031	74	67	76	70	86	96	101	98	85	74	69	70	966
2032	78	70	80	73	90	100	106	103	89	78	72	74	1,013
2033	81	73	84	77	94	105	111	107	93	81	76	77	1,061
2034	85	77	88	80	98	110	117	112	98	85	79	81	1,110
2035	89	80	92	84	103	115	122	117	102	89	83	85	1,159
2036	93	84	96	88	107	120	127	122	106	93	86	88	1,210
2037	97	87	100	91	112	125	132	128	111	96	90	92	1,261
2038	101	91	104	95	116	130	138	133	116	100	94	96	1,314
2039	105	95	108	99	121	135	144	138	120	105	98	100	1,367
2040	109	99	112	103	126	141	149	144	125	109	102	104	1,422
2041	112	101	116	106	129	145	153	148	129	112	104	107	1,462
2042	115	104	119	109	133	149	158	152	132	115	107	109	1,502
2043	118	107	122	112	137	153	162	156	136	118	110	112	1,543
2044	122	110	125	115	140	157	166	160	139	121	113	115	1,584
2045	125	113	129	118	144	161	171	164	143	124	116	119	1,626
2046	128	116	132	121	148	165	175	169	147	128	119	122	1,669
2047	131	119	135	124	152	169	180	173	151	131	122	125	1,712
2048	135	122	139	127	155	174	184	178	154	134	125	128	1,756
2049	138	125	142	131	159	178	189	182	158	138	129	131	1,800
2050	141	128	146	134	163	183	194	187	162	141	132	134	1,845
2051	145	131	149	137	167	187	198	191	166	144	135	137	1,886
2052	148	134	152	140	171	191	202	195	170	147	138	141	1,928
2053	151	137	156	143	174	195	207	199	173	151	141	144	1,971
2054	154	140	159	146	178	199	211	204	177	154	144	147	2,014
2055	158	143	163	149	182	204	216	208	181	157	147	150	2,058
2056	161	146	166	152	186	208	221	213	185	161	150	153	2,102
2057	165	149	170	156	190	212	225	217	189	164	153	156	2,146
2058	168	152	173	159	194	217	230	222	193	168	157	160	2,192
2059	172	155	177	162	198	221	235	226	197	171	160	163	2,238
2060	175	158	181	166	202	226	240	231	201	175	163	166	2,284
2061	179	161	184	169	206	231	245	236	205	178	167	170	2,331
2062	182	165	188	173	211	235	250	241	209	182	170	173	2,379
2063	186	168	192	176	215	240	255	245	213	186	173	177	2,427
2064	190	171	196	180	219	245	260	250	218	189	177	180	2,476
2065	194	175	200	183	224	250	265	255	222	193	180	184	2,525

Nephi Table 8

Nephi													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Nephi Table 9

Nephi													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	102	183	145	69	44	38	40	0	0	622
2018	0	0	0	102	183	145	69	44	38	40	0	0	622
2019	0	0	0	102	183	145	69	44	38	40	0	0	622
2020	0	0	0	130	234	185	88	57	49	52	0	0	795
2021	0	0	0	143	257	203	97	62	54	57	0	0	871
2022	0	0	0	155	279	221	105	68	58	62	0	0	948
2023	0	0	0	168	303	239	114	73	63	67	0	0	1,028
2024	0	0	0	182	327	258	123	79	68	72	0	0	1,110
2025	0	0	0	196	352	278	133	85	74	78	0	0	1,194
2026	0	0	0	210	377	298	142	91	79	83	0	0	1,281
2027	0	0	0	224	404	319	152	98	84	89	0	0	1,371
2028	0	0	0	239	431	341	162	104	90	95	0	0	1,462
2029	0	0	0	255	459	363	173	111	96	101	0	0	1,557
2030	0	0	0	271	487	385	184	118	102	108	0	0	1,654
2031	0	0	0	282	507	401	191	123	106	112	0	0	1,721
2032	0	0	0	293	527	417	199	128	110	116	0	0	1,790
2033	0	0	0	304	548	433	206	133	114	121	0	0	1,860
2034	0	0	0	316	569	450	214	138	119	126	0	0	1,931
2035	0	0	0	328	590	466	222	143	123	130	0	0	2,003
2036	0	0	0	340	612	484	230	148	128	135	0	0	2,077
2037	0	0	0	352	634	501	239	153	132	140	0	0	2,152
2038	0	0	0	365	657	519	247	159	137	145	0	0	2,229
2039	0	0	0	378	680	537	256	165	142	150	0	0	2,307
2040	0	0	0	391	703	556	265	170	147	155	0	0	2,387
2041	0	0	0	400	720	569	271	174	150	159	0	0	2,445
2042	0	0	0	410	738	583	278	179	154	163	0	0	2,504
2043	0	0	0	420	755	597	284	183	158	167	0	0	2,564
2044	0	0	0	430	773	611	291	187	161	171	0	0	2,624
2045	0	0	0	440	791	625	298	191	165	175	0	0	2,686
2046	0	0	0	450	809	640	305	196	169	179	0	0	2,748
2047	0	0	0	460	828	655	312	200	173	183	0	0	2,811
2048	0	0	0	471	847	669	319	205	177	187	0	0	2,875
2049	0	0	0	481	866	684	326	210	181	191	0	0	2,939
2050	0	0	0	492	885	700	333	214	185	195	0	0	3,005
2051	0	0	0	502	903	714	340	219	189	199	0	0	3,066
2052	0	0	0	512	921	728	347	223	192	203	0	0	3,127
2053	0	0	0	522	940	743	354	227	196	207	0	0	3,189
2054	0	0	0	532	958	757	361	232	200	212	0	0	3,252
2055	0	0	0	543	977	772	368	236	204	216	0	0	3,316
2056	0	0	0	553	996	787	375	241	208	220	0	0	3,381
2057	0	0	0	564	1,015	802	382	246	212	224	0	0	3,446
2058	0	0	0	575	1,035	818	390	250	216	228	0	0	3,512
2059	0	0	0	586	1,054	833	397	255	220	233	0	0	3,579
2060	0	0	0	597	1,074	849	405	260	224	237	0	0	3,647
2061	0	0	0	608	1,095	865	412	265	229	242	0	0	3,716
2062	0	0	0	620	1,115	881	420	270	233	246	0	0	3,785
2063	0	0	0	631	1,136	898	428	275	237	251	0	0	3,856
2064	0	0	0	643	1,157	914	436	280	242	255	0	0	3,927
2065	0	0	0	655	1,178	931	444	285	246	260	0	0	3,999

Nephi Table 10

Nephi													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	86	78	89	82	100	111	118	114	99	86	80	82	1,125
2018	92	83	95	87	107	119	126	122	106	92	86	88	1,204
2019	99	89	102	94	114	128	135	130	113	99	92	94	1,289
2020	106	96	109	100	122	137	145	140	121	106	99	101	1,381
2021	109	98	112	103	126	141	149	144	125	109	102	104	1,420
2022	112	101	115	106	129	145	153	148	128	112	104	106	1,461
2023	115	104	119	109	133	149	158	152	132	115	107	110	1,503
2024	119	107	122	112	137	153	162	156	136	118	111	113	1,546
2025	122	110	126	115	141	157	167	161	140	122	114	116	1,590
2026	125	113	129	119	145	162	172	166	144	125	117	119	1,636
2027	129	117	133	122	149	167	177	170	148	129	120	123	1,683
2028	133	120	137	126	153	171	182	175	152	132	124	126	1,731
2029	137	123	141	129	158	176	187	180	157	136	127	130	1,781
2030	141	127	145	133	162	181	192	185	161	140	131	134	1,832
2031	143	129	148	135	165	185	196	189	164	143	133	136	1,868
2032	146	132	150	138	169	188	200	193	167	146	136	139	1,904
2033	149	134	153	141	172	192	204	196	171	148	139	141	1,940
2034	152	137	156	143	175	196	208	200	174	151	141	144	1,978
2035	155	140	159	146	178	200	212	204	177	154	144	147	2,016
2036	158	142	162	149	182	203	216	208	181	157	147	150	2,055
2037	161	145	166	152	185	207	220	212	184	160	150	153	2,094
2038	164	148	169	155	189	211	224	216	188	163	153	156	2,135
2039	167	151	172	158	193	215	228	220	191	166	156	159	2,176
2040	170	154	175	161	196	220	233	224	195	170	159	162	2,218
2041	172	156	178	163	199	223	236	227	198	172	161	164	2,248
2042	175	158	180	165	202	226	239	231	200	174	163	166	2,279
2043	177	160	183	168	205	229	243	234	203	177	165	168	2,311
2044	180	162	185	170	207	232	246	237	206	179	167	171	2,343
2045	182	165	188	172	210	235	249	240	209	182	170	173	2,375
2046	185	167	190	175	213	238	253	244	212	184	172	175	2,408
2047	187	169	193	177	216	242	256	247	215	187	174	178	2,441
2048	190	171	196	179	219	245	260	250	218	189	177	180	2,474
2049	192	174	198	182	222	248	263	254	221	192	179	183	2,508
2050	195	176	201	184	225	252	267	257	224	194	182	185	2,543
2051	198	178	204	187	228	255	270	260	226	197	184	188	2,575
2052	200	181	206	189	231	258	274	264	229	199	186	190	2,607
2053	202	183	209	191	234	261	277	267	232	202	189	192	2,640
2054	205	185	211	194	237	265	281	270	235	204	191	195	2,673
2055	208	187	214	196	240	268	284	274	238	207	193	197	2,707
2056	210	190	217	199	243	271	288	277	241	210	196	200	2,741
2057	213	192	219	201	246	275	291	281	244	212	198	202	2,775
2058	216	195	222	204	249	278	295	284	247	215	201	205	2,810
2059	218	197	225	206	252	282	299	288	250	218	203	207	2,845
2060	221	200	228	209	255	285	302	291	253	220	206	210	2,881
2061	224	202	231	212	258	289	306	295	256	223	208	213	2,917
2062	227	205	233	214	261	292	310	299	260	226	211	215	2,953
2063	229	207	236	217	265	296	314	303	263	229	214	218	2,991
2064	232	210	239	220	268	300	318	306	266	232	216	221	3,028
2065	235	212	242	222	271	303	322	310	270	235	219	223	3,066

Nephi Table 11

Nephi													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	58	181	285	378	352	269	78	0	0	1,600
2018	0	0	0	62	194	306	405	378	288	84	0	0	1,716
2019	0	0	0	66	208	328	435	405	309	90	0	0	1,842
2020	0	0	0	71	223	352	466	435	332	97	0	0	1,976
2021	0	0	0	73	230	363	481	448	342	100	0	0	2,037
2022	0	0	0	76	237	374	496	462	353	103	0	0	2,100
2023	0	0	0	78	245	385	511	476	364	106	0	0	2,165
2024	0	0	0	80	252	397	527	491	375	109	0	0	2,231
2025	0	0	0	83	260	409	543	506	386	113	0	0	2,300
2026	0	0	0	85	268	422	560	522	398	116	0	0	2,371
2027	0	0	0	88	276	435	577	538	411	120	0	0	2,444
2028	0	0	0	91	285	448	595	554	423	123	0	0	2,519
2029	0	0	0	93	293	462	613	571	436	127	0	0	2,597
2030	0	0	0	96	302	477	632	589	450	131	0	0	2,677
2031	0	0	0	98	309	487	645	602	459	134	0	0	2,734
2032	0	0	0	101	316	497	659	614	469	137	0	0	2,792
2033	0	0	0	103	322	508	673	627	479	140	0	0	2,852
2034	0	0	0	105	329	519	687	641	489	143	0	0	2,913
2035	0	0	0	107	336	530	702	655	500	146	0	0	2,975
2036	0	0	0	109	343	541	717	668	510	149	0	0	3,039
2037	0	0	0	112	351	552	732	683	521	152	0	0	3,103
2038	0	0	0	114	358	564	748	697	532	155	0	0	3,170
2039	0	0	0	117	366	576	764	712	544	159	0	0	3,237
2040	0	0	0	119	374	588	780	727	555	162	0	0	3,306
2041	0	0	0	121	379	598	793	739	564	165	0	0	3,358
2042	0	0	0	123	385	607	805	750	573	167	0	0	3,411
2043	0	0	0	125	392	617	818	762	582	170	0	0	3,465
2044	0	0	0	127	398	627	831	774	591	172	0	0	3,520
2045	0	0	0	129	404	636	844	787	601	175	0	0	3,575
2046	0	0	0	131	410	646	857	799	610	178	0	0	3,632
2047	0	0	0	133	417	657	871	812	620	181	0	0	3,689
2048	0	0	0	135	423	667	884	824	629	184	0	0	3,747
2049	0	0	0	137	430	677	898	837	639	186	0	0	3,806
2050	0	0	0	139	437	688	912	851	649	189	0	0	3,866
2051	0	0	0	141	443	698	926	863	659	192	0	0	3,922
2052	0	0	0	143	450	708	939	875	668	195	0	0	3,979
2053	0	0	0	145	456	719	953	888	678	198	0	0	4,037
2054	0	0	0	147	463	729	967	901	688	201	0	0	4,095
2055	0	0	0	150	469	740	981	914	698	204	0	0	4,155
2056	0	0	0	152	476	750	995	927	708	207	0	0	4,215
2057	0	0	0	154	483	761	1,009	941	718	210	0	0	4,276
2058	0	0	0	156	490	772	1,024	954	729	213	0	0	4,338
2059	0	0	0	158	497	783	1,039	968	739	216	0	0	4,401
2060	0	0	0	161	505	795	1,054	982	750	219	0	0	4,465
2061	0	0	0	163	512	806	1,069	996	761	222	0	0	4,529
2062	0	0	0	165	519	818	1,084	1,011	772	225	0	0	4,595
2063	0	0	0	168	527	830	1,100	1,026	783	228	0	0	4,662
2064	0	0	0	170	534	842	1,116	1,040	794	232	0	0	4,729
1905	0	0	0	173	542	854	1,132	1,055	806	235	0	0	4,797

Nephi Table 12

Nephi													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	86	78	89	139	280	396	496	466	368	164	80	82	2,724
2018	92	83	95	149	301	425	532	499	394	176	86	88	2,920
2019	99	89	102	160	322	455	570	536	423	189	92	94	3,131
2020	106	96	109	171	346	488	611	574	453	202	99	101	3,357
2021	109	98	112	176	356	503	630	592	467	208	102	104	3,457
2022	112	101	115	182	367	518	649	610	481	215	104	106	3,561
2023	115	104	119	187	378	534	669	628	496	221	107	110	3,668
2024	119	107	122	192	389	550	689	647	511	228	111	113	3,777
2025	122	110	126	198	401	567	710	667	526	234	114	116	3,891
2026	125	113	129	204	413	584	731	687	542	241	117	119	4,007
2027	129	117	133	210	425	602	754	708	559	248	120	123	4,127
2028	133	120	137	216	438	620	776	729	575	256	124	126	4,251
2029	137	123	141	223	451	639	800	752	593	263	127	130	4,378
2030	141	127	145	229	465	658	824	774	611	271	131	134	4,509
2031	143	129	148	234	474	672	841	790	624	277	133	136	4,602
2032	146	132	150	239	484	685	859	807	637	282	136	139	4,696
2033	149	134	153	243	494	700	877	824	650	288	139	141	4,792
2034	152	137	156	248	504	714	895	841	663	294	141	144	4,891
2035	155	140	159	253	515	729	914	858	677	300	144	147	4,991
2036	158	142	162	258	525	744	933	876	691	306	147	150	5,093
2037	161	145	166	264	536	760	952	895	706	312	150	153	5,198
2038	164	148	169	269	547	775	972	913	720	319	153	156	5,304
2039	167	151	172	274	558	792	992	932	735	325	156	159	5,413
2040	170	154	175	280	570	808	1,013	952	750	332	159	162	5,524
2041	172	156	178	284	579	820	1,029	966	762	337	161	164	5,607
2042	175	158	180	288	587	833	1,044	981	773	341	163	166	5,691
2043	177	160	183	292	596	846	1,060	996	785	347	165	168	5,776
2044	180	162	185	297	605	858	1,077	1,011	797	352	167	171	5,862
2045	182	165	188	301	614	871	1,093	1,027	809	357	170	173	5,950
2046	185	167	190	305	624	885	1,110	1,043	822	362	172	175	6,039
2047	187	169	193	310	633	898	1,127	1,058	834	367	174	178	6,130
2048	190	171	196	314	642	912	1,144	1,075	847	373	177	180	6,221
2049	192	174	198	319	652	926	1,162	1,091	860	378	179	183	6,314
2050	195	176	201	324	662	940	1,179	1,108	873	384	182	185	6,409
2051	198	178	204	328	671	953	1,196	1,123	885	389	184	188	6,497
2052	200	181	206	332	680	966	1,213	1,139	898	394	186	190	6,586
2053	202	183	209	337	690	980	1,230	1,155	910	400	189	192	6,677
2054	205	185	211	341	699	994	1,247	1,171	923	405	191	195	6,768
2055	208	187	214	346	709	1,007	1,265	1,188	936	411	193	197	6,861
2056	210	190	217	351	719	1,022	1,283	1,205	949	416	196	200	6,956
2057	213	192	219	355	729	1,036	1,301	1,221	962	422	198	202	7,051
2058	216	195	222	360	739	1,050	1,319	1,239	976	427	201	205	7,148
2059	218	197	225	365	749	1,065	1,337	1,256	990	433	203	207	7,246
2060	221	200	228	370	760	1,080	1,356	1,274	1,003	439	206	210	7,346
2061	224	202	231	375	770	1,095	1,375	1,292	1,017	445	208	213	7,446
2062	227	205	233	380	781	1,110	1,395	1,310	1,032	451	211	215	7,549
2063	229	207	236	385	792	1,126	1,414	1,328	1,046	457	214	218	7,652
2064	232	210	239	390	802	1,141	1,434	1,347	1,061	463	216	221	7,757
1905	235	212	242	395	814	1,157	1,454	1,366	1,076	470	219	223	7,864

Nephi Table 13

Nephi													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	79	71	81	75	91	102	108	104	91	79	74	75	1,030
2018	84	76	87	80	97	109	115	111	97	84	78	80	1,098
2019	90	81	93	85	104	116	123	118	103	90	84	85	1,171
2020	96	87	99	91	111	124	131	126	110	96	89	91	1,249
2021	98	89	101	93	114	127	135	130	113	98	92	94	1,283
2022	101	91	104	96	117	130	138	133	116	101	94	96	1,318
2023	104	94	107	98	120	134	142	137	119	104	97	99	1,354
2024	107	96	110	101	123	138	146	141	122	106	99	101	1,391
2025	110	99	113	104	127	141	150	145	126	109	102	104	1,429
2026	113	102	116	107	130	145	154	149	129	112	105	107	1,468
2027	116	105	119	109	134	149	158	153	133	115	108	110	1,509
2028	119	107	123	112	137	153	163	157	136	119	111	113	1,550
2029	122	110	126	116	141	158	167	161	140	122	114	116	1,593
2030	126	113	129	119	145	162	172	166	144	125	117	119	1,637
2031	128	115	132	121	148	165	175	169	147	127	119	121	1,667
2032	130	118	134	123	150	168	178	172	149	130	121	124	1,698
2033	133	120	137	125	153	171	182	175	152	132	124	126	1,729
2034	135	122	139	128	156	174	185	178	155	135	126	128	1,761
2035	138	124	142	130	159	178	188	181	158	137	128	131	1,794
2036	140	127	144	133	162	181	192	185	161	140	131	133	1,827
2037	143	129	147	135	165	184	195	188	164	142	133	136	1,861
2038	145	131	150	138	168	188	199	192	167	145	136	138	1,896
2039	148	134	153	140	171	191	203	195	170	148	138	141	1,931
2040	151	136	155	143	174	195	207	199	173	150	141	143	1,967
2041	153	138	158	145	176	197	209	202	175	152	142	145	1,993
2042	155	140	160	146	179	200	212	204	178	154	144	147	2,020
2043	157	142	162	148	181	203	215	207	180	157	146	149	2,047
2044	159	144	164	150	184	205	218	210	182	159	148	151	2,074
2045	161	146	166	152	186	208	221	213	185	161	150	153	2,102
2046	163	148	168	154	189	211	224	215	187	163	152	155	2,130
2047	166	149	171	157	191	214	227	218	190	165	154	157	2,158
2048	168	151	173	159	194	216	230	221	192	167	156	159	2,187
2049	170	154	175	161	196	219	233	224	195	169	158	162	2,216
2050	172	156	178	163	199	222	236	227	197	172	161	164	2,246
2051	174	157	180	165	201	225	239	230	200	174	162	166	2,273
2052	176	159	182	167	204	228	242	233	202	176	164	168	2,301
2053	179	161	184	169	206	231	245	236	205	178	166	170	2,329
2054	181	163	186	171	209	233	248	238	207	180	168	172	2,357
2055	183	165	189	173	211	236	251	241	210	182	171	174	2,386
2056	185	167	191	175	214	239	254	244	212	185	173	176	2,415
2057	188	169	193	177	216	242	257	247	215	187	175	178	2,445
2058	190	171	196	179	219	245	260	250	218	189	177	180	2,474
2059	192	173	198	182	222	248	263	253	220	192	179	183	2,505
2060	194	176	200	184	224	251	266	256	223	194	181	185	2,535
2061	197	178	203	186	227	254	269	260	226	196	183	187	2,566
2062	199	180	205	188	230	257	273	263	228	199	186	189	2,598
2063	202	182	208	191	233	260	276	266	231	201	188	192	2,629
2064	204	184	210	193	236	263	279	269	234	204	190	194	2,661
2065	207	187	213	195	239	267	283	273	237	206	193	196	2,694

Nephi Table 14

Nephi													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	59	185	292	387	361	276	80	0	0	1,642
2018	0	0	0	62	194	306	405	378	288	84	0	0	1,716
2019	0	0	0	65	203	320	424	395	302	88	0	0	1,797
2020	0	0	0	68	213	335	444	414	316	92	0	0	1,883
2021	0	0	0	69	217	342	453	422	323	94	0	0	1,920
2022	0	0	0	70	221	349	462	431	329	96	0	0	1,958
2023	0	0	0	72	226	356	471	440	336	98	0	0	1,998
2024	0	0	0	73	230	363	481	448	342	100	0	0	2,038
2025	0	0	0	75	235	370	491	458	349	102	0	0	2,080
2026	0	0	0	76	240	378	501	467	357	104	0	0	2,123
2027	0	0	0	78	245	386	512	477	364	106	0	0	2,167
2028	0	0	0	80	250	394	522	487	372	108	0	0	2,213
2029	0	0	0	81	255	402	533	497	380	111	0	0	2,260
2030	0	0	0	83	261	411	545	508	388	113	0	0	2,308
2031	0	0	0	84	265	417	552	515	393	115	0	0	2,341
2032	0	0	0	85	268	423	560	522	399	116	0	0	2,375
2033	0	0	0	87	272	429	569	530	405	118	0	0	2,410
2034	0	0	0	88	276	435	577	538	411	120	0	0	2,445
2035	0	0	0	89	280	442	585	546	417	122	0	0	2,481
2036	0	0	0	91	284	448	594	554	423	123	0	0	2,517
2037	0	0	0	92	289	455	603	562	429	125	0	0	2,555
2038	0	0	0	93	293	461	612	570	436	127	0	0	2,593
2039	0	0	0	95	297	468	621	579	442	129	0	0	2,631
2040	0	0	0	96	302	475	630	588	449	131	0	0	2,671
2041	0	0	0	97	305	481	637	594	454	132	0	0	2,700
2042	0	0	0	98	308	486	644	600	458	134	0	0	2,729
2043	0	0	0	99	312	491	651	607	463	135	0	0	2,758
2044	0	0	0	100	315	496	658	613	468	137	0	0	2,788
2045	0	0	0	101	318	502	665	620	474	138	0	0	2,819
2046	0	0	0	103	322	507	672	627	479	140	0	0	2,849
2047	0	0	0	104	326	513	680	634	484	141	0	0	2,881
2048	0	0	0	105	329	518	687	641	489	143	0	0	2,912
2049	0	0	0	106	333	524	695	648	495	144	0	0	2,944
2050	0	0	0	107	336	530	703	655	500	146	0	0	2,977
2051	0	0	0	108	340	535	710	662	505	147	0	0	3,007
2052	0	0	0	109	343	541	717	668	510	149	0	0	3,037
2053	0	0	0	110	347	546	724	675	515	150	0	0	3,068
2054	0	0	0	112	350	552	731	682	521	152	0	0	3,099
2055	0	0	0	113	354	557	739	689	526	153	0	0	3,131
2056	0	0	0	114	357	563	746	696	531	155	0	0	3,163
2057	0	0	0	115	361	569	754	703	537	157	0	0	3,195
2058	0	0	0	116	365	575	762	710	542	158	0	0	3,228
2059	0	0	0	117	369	580	770	717	548	160	0	0	3,261
2060	0	0	0	119	372	586	778	725	554	161	0	0	3,295
2061	0	0	0	120	376	593	786	732	559	163	0	0	3,329
2062	0	0	0	121	380	599	794	740	565	165	0	0	3,363
2063	0	0	0	122	384	605	802	748	571	167	0	0	3,398
2064	0	0	0	124	388	611	810	755	577	168	0	0	3,433
1905	0	0	0	125	392	618	819	763	583	170	0	0	3,469

Nephi Table 15

Nephi													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	79	71	81	134	277	394	496	465	366	159	74	75	2,671
2018	84	76	87	141	291	414	520	489	385	168	78	80	2,815
2019	90	81	93	150	307	436	547	514	405	178	84	85	2,968
2020	96	87	99	158	323	459	575	541	426	188	89	91	3,132
2021	98	89	101	162	331	469	588	552	435	192	92	94	3,203
2022	101	91	104	166	338	479	601	564	445	197	94	96	3,277
2023	104	94	107	170	346	490	614	577	455	201	97	99	3,352
2024	107	96	110	174	354	501	627	589	465	206	99	101	3,430
2025	110	99	113	179	362	512	641	602	475	211	102	104	3,509
2026	113	102	116	183	370	523	655	616	486	216	105	107	3,592
2027	116	105	119	187	378	535	670	629	497	222	108	110	3,676
2028	119	107	123	192	387	547	685	644	508	227	111	113	3,763
2029	122	110	126	197	396	560	701	658	520	233	114	116	3,852
2030	126	113	129	202	406	573	716	673	532	238	117	119	3,944
2031	128	115	132	205	412	582	728	684	540	242	119	121	4,008
2032	130	118	134	209	419	591	739	694	548	246	121	124	4,073
2033	133	120	137	212	425	600	750	705	557	250	124	126	4,139
2034	135	122	139	216	432	609	762	716	566	255	126	128	4,206
2035	138	124	142	219	439	619	774	727	574	259	128	131	4,275
2036	140	127	144	223	446	629	786	739	584	263	131	133	4,344
2037	143	129	147	227	453	639	798	750	593	268	133	136	4,416
2038	145	131	150	231	461	649	811	762	602	272	136	138	4,488
2039	148	134	153	235	468	660	824	774	612	277	138	141	4,562
2040	151	136	155	239	476	670	837	787	622	281	141	143	4,638
2041	153	138	158	242	482	678	846	796	629	285	142	145	4,693
2042	155	140	160	245	487	686	856	805	636	288	144	147	4,748
2043	157	142	162	248	493	694	866	814	643	292	146	149	4,805
2044	159	144	164	251	499	702	876	823	651	295	148	151	4,862
2045	161	146	166	254	505	710	886	833	658	299	150	153	4,920
2046	163	148	168	257	511	718	896	842	666	303	152	155	4,979
2047	166	149	171	260	517	726	906	852	674	306	154	157	5,039
2048	168	151	173	263	523	735	917	862	682	310	156	159	5,099
2049	170	154	175	267	529	743	928	872	689	314	158	162	5,160
2050	172	156	178	270	535	752	938	882	698	318	161	164	5,222
2051	174	157	180	273	541	760	948	891	705	321	162	166	5,280
2052	176	159	182	276	547	768	958	901	713	325	164	168	5,338
2053	179	161	184	279	553	777	969	911	720	328	166	170	5,397
2054	181	163	186	283	559	785	979	920	728	332	168	172	5,456
2055	183	165	189	286	565	793	989	930	736	336	171	174	5,517
2056	185	167	191	289	571	802	1,000	940	744	340	173	176	5,578
2057	188	169	193	292	577	811	1,011	950	752	344	175	178	5,640
2058	190	171	196	296	584	819	1,022	960	760	347	177	180	5,702
2059	192	173	198	299	590	828	1,033	971	768	351	179	183	5,766
2060	194	176	200	302	597	837	1,044	981	776	355	181	185	5,830
2061	197	178	203	306	603	847	1,055	992	785	359	183	187	5,895
2062	199	180	205	309	610	856	1,066	1,003	793	363	186	189	5,961
2063	202	182	208	313	617	865	1,078	1,014	802	368	188	192	6,027
2064	204	184	210	317	624	875	1,090	1,025	811	372	190	194	6,095
1905	207	187	213	320	631	884	1,102	1,036	820	376	193	196	6,163

Nephi Table 16

Nephi													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	79	71	81	75	91	102	108	104	91	79	74	75	1,030
2018	84	76	86	79	97	108	115	111	96	84	78	80	1,094
2019	89	81	92	84	103	115	122	118	102	89	83	85	1,162
2020	95	86	98	90	109	122	130	125	109	94	88	90	1,235
2021	97	87	100	92	112	125	133	128	111	97	90	92	1,262
2022	99	89	102	94	114	128	135	131	113	99	92	94	1,290
2023	101	91	104	96	117	131	138	133	116	101	94	96	1,319
2024	103	93	107	98	119	133	142	136	119	103	96	98	1,348
2025	106	95	109	100	122	136	145	139	121	105	98	100	1,378
2026	108	98	111	102	125	139	148	143	124	108	101	103	1,409
2027	111	100	114	104	128	143	151	146	127	110	103	105	1,441
2028	113	102	116	107	130	146	155	149	130	113	105	107	1,473
2029	116	104	119	109	133	149	158	152	132	115	108	110	1,507
2030	118	107	122	112	136	153	162	156	136	118	110	112	1,541
2031	120	108	124	114	139	155	164	158	138	120	112	114	1,565
2032	122	110	126	115	141	157	167	161	140	122	114	116	1,590
2033	124	112	128	117	143	160	170	163	142	124	115	118	1,615
2034	126	114	130	119	145	162	172	166	144	125	117	120	1,641
2035	128	115	132	121	148	165	175	169	147	127	119	121	1,667
2036	130	117	134	123	150	168	178	171	149	130	121	123	1,693
2037	132	119	136	125	152	170	181	174	151	132	123	125	1,720
2038	134	121	138	127	155	173	184	177	154	134	125	127	1,748
2039	136	123	140	129	157	176	186	180	156	136	127	129	1,776
2040	138	125	143	131	160	179	189	182	159	138	129	131	1,804
2041	140	126	144	132	162	181	192	185	161	140	131	133	1,826
2042	142	128	146	134	164	183	194	187	163	141	132	135	1,849
2043	144	130	148	136	166	185	196	189	165	143	134	136	1,871
2044	145	131	150	137	168	187	199	192	167	145	135	138	1,894
2045	147	133	152	139	170	190	201	194	169	147	137	140	1,918
2046	149	134	153	141	172	192	204	196	171	148	139	141	1,941
2047	151	136	155	143	174	195	206	199	173	150	140	143	1,965
2048	153	138	157	144	176	197	209	201	175	152	142	145	1,989
2049	154	140	159	146	178	199	211	204	177	154	144	147	2,014
2050	156	141	161	148	181	202	214	206	179	156	146	149	2,039
2051	158	143	163	150	183	204	216	209	181	158	147	150	2,062
2052	160	144	165	151	185	206	219	211	183	159	149	152	2,085
2053	162	146	167	153	187	209	221	213	185	161	151	154	2,108
2054	164	148	169	155	189	211	224	216	187	163	152	155	2,132
2055	165	149	170	156	191	213	226	218	190	165	154	157	2,156
2056	167	151	172	158	193	216	229	220	192	167	156	159	2,180
2057	169	153	174	160	195	218	231	223	194	169	158	161	2,204
2058	171	154	176	162	197	221	234	225	196	170	159	162	2,229
2059	173	156	178	163	200	223	237	228	198	172	161	164	2,254
2060	175	158	180	165	202	226	239	231	200	174	163	166	2,279
2061	177	160	182	167	204	228	242	233	203	176	165	168	2,304
2062	179	161	184	169	206	231	245	236	205	178	167	170	2,330
2063	181	163	186	171	209	233	247	238	207	180	168	172	2,356
2064	183	165	188	173	211	236	250	241	209	182	170	174	2,382
2065	185	167	190	175	213	238	253	244	212	184	172	176	2,408

Nephi Table 17

Nephi													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	59	185	292	387	361	276	80	0	0	1,642
2018	0	0	0	61	192	303	401	374	286	83	0	0	1,700
2019	0	0	0	63	199	314	416	387	296	86	0	0	1,761
2020	0	0	0	66	206	325	431	402	307	90	0	0	1,827
2021	0	0	0	66	207	327	433	404	308	90	0	0	1,836
2022	0	0	0	66	209	329	436	406	310	90	0	0	1,846
2023	0	0	0	67	210	330	438	408	312	91	0	0	1,856
2024	0	0	0	67	211	332	440	410	313	91	0	0	1,865
2025	0	0	0	68	212	334	443	413	315	92	0	0	1,875
2026	0	0	0	68	213	336	445	415	317	92	0	0	1,885
2027	0	0	0	68	214	337	447	417	318	93	0	0	1,896
2028	0	0	0	69	215	339	450	419	320	93	0	0	1,906
2029	0	0	0	69	217	341	452	422	322	94	0	0	1,916
2030	0	0	0	69	218	343	455	424	324	94	0	0	1,927
2031	0	0	0	70	219	345	457	426	325	95	0	0	1,936
2032	0	0	0	70	220	346	459	428	327	95	0	0	1,945
2033	0	0	0	70	221	348	461	430	328	96	0	0	1,954
2034	0	0	0	71	222	349	463	432	330	96	0	0	1,963
2035	0	0	0	71	223	351	465	434	331	97	0	0	1,972
2036	0	0	0	71	224	353	468	436	333	97	0	0	1,981
2037	0	0	0	72	225	354	470	438	334	98	0	0	1,990
2038	0	0	0	72	226	356	472	440	336	98	0	0	2,000
2039	0	0	0	72	227	358	474	442	338	98	0	0	2,009
2040	0	0	0	73	228	359	476	444	339	99	0	0	2,019
2041	0	0	0	73	230	362	479	447	341	100	0	0	2,031
2042	0	0	0	74	231	364	482	450	343	100	0	0	2,044
2043	0	0	0	74	232	366	485	452	346	101	0	0	2,057
2044	0	0	0	75	234	368	488	455	348	101	0	0	2,069
2045	0	0	0	75	235	371	491	458	350	102	0	0	2,082
2046	0	0	0	75	237	373	495	461	352	103	0	0	2,096
2047	0	0	0	76	238	375	498	464	354	103	0	0	2,109
2048	0	0	0	76	240	378	501	467	357	104	0	0	2,122
2049	0	0	0	77	241	380	504	470	359	105	0	0	2,136
2050	0	0	0	77	243	383	507	473	361	105	0	0	2,150
2051	0	0	0	78	244	385	510	476	363	106	0	0	2,161
2052	0	0	0	78	246	387	513	478	365	106	0	0	2,173
2053	0	0	0	79	247	389	516	481	367	107	0	0	2,185
2054	0	0	0	79	248	391	519	483	369	108	0	0	2,197
2055	0	0	0	80	250	393	521	486	371	108	0	0	2,209
2056	0	0	0	80	251	395	524	489	373	109	0	0	2,221
2057	0	0	0	80	252	398	527	491	375	109	0	0	2,234
2058	0	0	0	81	254	400	530	494	377	110	0	0	2,246
2059	0	0	0	81	255	402	533	497	379	111	0	0	2,259
2060	0	0	0	82	257	404	536	500	382	111	0	0	2,271
2061	0	0	0	82	258	406	539	502	383	112	0	0	2,282
2062	0	0	0	83	259	408	541	504	385	112	0	0	2,292
2063	0	0	0	83	260	410	544	507	387	113	0	0	2,303
2064	0	0	0	83	261	412	546	509	389	113	0	0	2,314
1905	0	0	0	84	263	414	549	511	391	114	0	0	2,325

Nephi Table 18

Nephi													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	79	71	81	134	277	394	496	465	366	159	74	75	2,671
2018	84	76	86	141	289	411	516	485	382	167	78	80	2,793
2019	89	81	92	148	302	429	538	505	398	175	83	85	2,924
2020	95	86	98	155	316	447	561	527	416	184	88	90	3,062
2021	97	87	100	158	319	452	566	532	419	187	90	92	3,099
2022	99	89	102	160	323	456	571	537	424	189	92	94	3,136
2023	101	91	104	162	326	461	576	542	428	192	94	96	3,174
2024	103	93	107	165	330	465	582	547	432	195	96	98	3,213
2025	106	95	109	167	334	470	587	552	436	197	98	100	3,254
2026	108	98	111	170	338	475	593	557	441	200	101	103	3,295
2027	111	100	114	173	342	480	599	563	445	203	103	105	3,336
2028	113	102	116	175	346	485	605	568	450	206	105	107	3,379
2029	116	104	119	178	350	490	610	574	454	209	108	110	3,423
2030	118	107	122	181	354	496	617	580	459	212	110	112	3,468
2031	120	108	124	183	357	499	621	584	463	215	112	114	3,501
2032	122	110	126	185	361	504	626	589	466	217	114	116	3,535
2033	124	112	128	187	364	508	631	593	470	219	115	118	3,569
2034	126	114	130	190	367	512	635	598	474	222	117	120	3,603
2035	128	115	132	192	370	516	640	602	478	224	119	121	3,639
2036	130	117	134	194	374	520	645	607	482	227	121	123	3,674
2037	132	119	136	196	377	525	650	612	486	229	123	125	3,711
2038	134	121	138	199	381	529	655	617	490	232	125	127	3,747
2039	136	123	140	201	384	533	661	622	494	234	127	129	3,785
2040	138	125	143	204	388	538	666	627	498	237	129	131	3,823
2041	140	126	144	206	391	542	671	632	502	239	131	133	3,857
2042	142	128	146	208	395	547	676	637	506	242	132	135	3,892
2043	144	130	148	210	398	551	682	642	510	244	134	136	3,928
2044	145	131	150	212	402	556	687	647	514	246	135	138	3,964
2045	147	133	152	214	405	560	693	652	518	249	137	140	4,000
2046	149	134	153	216	409	565	698	657	523	251	139	141	4,037
2047	151	136	155	218	412	570	704	663	527	254	140	143	4,074
2048	153	138	157	221	416	575	710	668	531	256	142	145	4,112
2049	154	140	159	223	420	580	716	674	536	259	144	147	4,150
2050	156	141	161	225	423	584	721	679	540	261	146	149	4,189
2051	158	143	163	227	427	589	727	684	544	264	147	150	4,223
2052	160	144	165	229	430	593	732	689	548	266	149	152	4,258
2053	162	146	167	232	434	598	737	694	552	268	151	154	4,293
2054	164	148	169	234	437	602	742	699	557	271	152	155	4,329
2055	165	149	170	236	440	607	748	704	561	273	154	157	4,365
2056	167	151	172	238	444	611	753	709	565	276	156	159	4,401
2057	169	153	174	240	448	616	759	714	569	278	158	161	4,438
2058	171	154	176	243	451	620	764	720	573	281	159	162	4,475
2059	173	156	178	245	455	625	770	725	578	283	161	164	4,513
2060	175	158	180	247	458	630	775	730	582	286	163	166	4,551
2061	177	160	182	249	462	634	780	735	586	288	165	168	4,586
2062	179	161	184	252	465	639	786	740	590	291	167	170	4,622
2063	181	163	186	254	469	643	791	745	594	293	168	172	4,659
2064	183	165	188	256	472	648	796	750	598	296	170	174	4,696
1905	185	167	190	258	476	652	801	755	602	298	172	176	4,733

Nephi Table 19

Nephi													
Additional Groundwater - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	8	7	8	8	9	10	11	10	9	8	7	8	104
2019	16	15	17	16	19	21	23	22	19	16	15	16	214
2020	26	23	26	24	29	33	35	34	29	25	24	24	333
2021	29	27	30	28	34	38	40	39	34	29	27	28	385
2022	34	30	35	32	39	43	46	44	38	33	31	32	438
2023	38	34	39	36	44	49	52	50	43	38	35	36	492
2024	42	38	43	40	49	54	58	55	48	42	39	40	548
2025	46	42	48	44	54	60	64	61	53	46	43	44	606
2026	51	46	53	48	59	66	70	67	59	51	48	49	665
2027	56	50	57	53	64	72	76	73	64	56	52	53	726
2028	61	55	62	57	70	78	83	80	69	60	56	58	789
2029	66	59	68	62	76	85	90	86	75	65	61	62	854
2030	71	64	73	67	82	91	97	93	81	70	66	67	920
2031	74	67	76	70	86	96	101	98	85	74	69	70	966
2032	78	70	80	73	90	100	106	103	89	78	72	74	1,013
2033	81	73	84	77	94	105	111	107	93	81	76	77	1,061
2034	85	77	88	80	98	110	117	112	98	85	79	81	1,110
2035	89	80	92	84	103	115	122	117	102	89	83	85	1,159
2036	93	84	96	88	107	120	127	122	106	93	86	88	1,210
2037	97	87	100	91	112	125	132	128	111	96	90	92	1,261
2038	101	91	104	95	116	130	138	133	116	100	94	96	1,314
2039	105	95	108	99	121	135	144	138	120	105	98	100	1,367
2040	109	99	112	103	126	141	149	144	125	109	102	104	1,422
2041	112	101	116	106	129	145	153	148	129	112	104	107	1,462
2042	115	104	119	109	133	149	158	152	132	115	107	109	1,502
2043	118	107	122	112	137	153	162	156	136	118	110	112	1,543
2044	122	110	125	115	140	157	166	160	139	121	113	115	1,584
2045	125	113	129	118	144	161	171	164	143	124	116	119	1,626
2046	128	116	132	121	148	165	175	169	147	128	119	122	1,669
2047	131	119	135	124	152	169	180	173	151	131	122	125	1,712
2048	135	122	139	127	155	174	184	178	154	134	125	128	1,756
2049	138	125	142	131	159	178	189	182	158	138	129	131	1,800
2050	141	128	146	134	163	183	194	187	162	141	132	134	1,845
2051	145	131	149	137	167	187	198	191	166	144	135	137	1,886
2052	148	134	152	140	171	191	202	195	170	147	138	141	1,928
2053	151	137	156	143	174	195	207	199	173	151	141	144	1,971
2054	154	140	159	146	178	199	211	204	177	154	144	147	2,014
2055	158	143	163	149	182	204	216	208	181	157	147	150	2,058
2056	161	146	166	152	186	208	221	213	185	161	150	153	2,102
2057	165	149	170	156	190	212	225	217	189	164	153	156	2,146
2058	168	152	173	159	194	217	230	222	193	168	157	160	2,192
2059	172	155	177	162	198	221	235	226	197	171	160	163	2,238
2060	175	158	181	166	202	226	240	231	201	175	163	166	2,284
2061	179	161	184	169	206	231	245	236	205	178	167	170	2,331
2062	182	165	188	173	211	235	250	241	209	182	170	173	2,379
2063	186	168	192	176	215	240	255	245	213	186	173	177	2,427
2064	190	171	196	180	219	245	260	250	218	189	177	180	2,476
2065	194	175	200	183	224	250	265	255	222	193	180	184	2,525

Nephi Table 20

Nephi													
Remaining Available Supply - Current Use - Outdoor - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	44	2	-140	-308	-308	-230	-38	0	0	-978
2018	0	0	0	40	-11	-161	-336	-333	-250	-44	0	0	-1,094
2019	0	0	0	36	-25	-183	-366	-361	-271	-50	0	0	-1,220
2020	0	0	0	31	-40	-207	-397	-390	-294	-56	0	0	-1,354
2021	0	0	0	28	-47	-218	-412	-404	-304	-59	0	0	-1,415
2022	0	0	0	26	-54	-229	-427	-418	-314	-62	0	0	-1,478
2023	0	0	0	24	-61	-240	-442	-432	-325	-66	0	0	-1,543
2024	0	0	0	21	-69	-252	-458	-447	-337	-69	0	0	-1,609
2025	0	0	0	19	-77	-265	-474	-462	-348	-72	0	0	-1,678
2026	0	0	0	16	-85	-277	-491	-477	-360	-76	0	0	-1,749
2027	0	0	0	14	-93	-290	-508	-493	-372	-79	0	0	-1,822
2028	0	0	0	11	-101	-304	-526	-510	-385	-83	0	0	-1,897
2029	0	0	0	8	-110	-317	-544	-527	-398	-87	0	0	-1,975
2030	0	0	0	5	-119	-332	-563	-545	-411	-91	0	0	-2,055
2031	0	0	0	3	-126	-342	-576	-557	-421	-94	0	0	-2,112
2032	0	0	0	1	-132	-352	-590	-570	-431	-96	0	0	-2,170
2033	0	0	0	-1	-139	-363	-604	-583	-441	-99	0	0	-2,230
2034	0	0	0	-3	-146	-374	-618	-596	-451	-102	0	0	-2,291
2035	0	0	0	-5	-153	-385	-633	-610	-462	-105	0	0	-2,353
2036	0	0	0	-8	-160	-396	-648	-624	-472	-108	0	0	-2,417
2037	0	0	0	-10	-167	-408	-663	-638	-483	-112	0	0	-2,481
2038	0	0	0	-12	-175	-419	-679	-653	-494	-115	0	0	-2,548
2039	0	0	0	-15	-183	-431	-695	-668	-506	-118	0	0	-2,615
2040	0	0	0	-17	-190	-444	-711	-683	-517	-122	0	0	-2,684
2041	0	0	0	-19	-196	-453	-724	-694	-526	-124	0	0	-2,736
2042	0	0	0	-21	-202	-462	-736	-706	-535	-127	0	0	-2,789
2043	0	0	0	-23	-208	-472	-749	-718	-544	-129	0	0	-2,843
2044	0	0	0	-25	-214	-482	-762	-730	-553	-132	0	0	-2,898
2045	0	0	0	-27	-221	-492	-775	-742	-562	-135	0	0	-2,953
2046	0	0	0	-29	-227	-502	-788	-755	-572	-137	0	0	-3,010
2047	0	0	0	-31	-234	-512	-802	-767	-581	-140	0	0	-3,067
2048	0	0	0	-33	-240	-522	-815	-780	-591	-143	0	0	-3,125
2049	0	0	0	-35	-247	-533	-829	-793	-601	-146	0	0	-3,184
2050	0	0	0	-37	-254	-543	-843	-806	-611	-149	0	0	-3,244
2051	0	0	0	-39	-260	-553	-857	-819	-621	-152	0	0	-3,300
2052	0	0	0	-41	-266	-563	-870	-831	-630	-155	0	0	-3,357
2053	0	0	0	-44	-273	-574	-884	-844	-640	-157	0	0	-3,415
2054	0	0	0	-46	-280	-584	-897	-857	-650	-160	0	0	-3,473
2055	0	0	0	-48	-286	-595	-912	-870	-660	-163	0	0	-3,533
2056	0	0	0	-50	-293	-605	-926	-883	-670	-166	0	0	-3,593
2057	0	0	0	-52	-300	-616	-940	-896	-680	-169	0	0	-3,654
2058	0	0	0	-54	-307	-627	-955	-910	-691	-172	0	0	-3,716
2059	0	0	0	-57	-314	-639	-970	-924	-701	-175	0	0	-3,779
2060	0	0	0	-59	-321	-650	-985	-938	-712	-178	0	0	-3,843
2061	0	0	0	-61	-329	-661	-1,000	-952	-723	-181	0	0	-3,907
2062	0	0	0	-64	-336	-673	-1,015	-967	-734	-185	0	0	-3,973
2063	0	0	0	-66	-344	-685	-1,031	-981	-745	-188	0	0	-4,040
2064	0	0	0	-68	-351	-697	-1,047	-996	-756	-191	0	0	-4,107
2065	0	0	0	-71	-359	-709	-1,063	-1,011	-768	-195	0	0	-4,175

Nephi Table 21

Nephi													
Remaining Available Supply - Conservation - Outdoor - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	43	-2	-147	-318	-317	-238	-40	0	0	-1,020
2018	0	0	0	40	-11	-161	-336	-333	-250	-44	0	0	-1,094
2019	0	0	0	37	-20	-175	-355	-351	-264	-48	0	0	-1,175
2020	0	0	0	34	-29	-190	-375	-370	-278	-52	0	0	-1,261
2021	0	0	0	33	-34	-197	-384	-378	-284	-54	0	0	-1,298
2022	0	0	0	31	-38	-204	-393	-386	-291	-55	0	0	-1,336
2023	0	0	0	30	-43	-211	-402	-395	-297	-57	0	0	-1,376
2024	0	0	0	28	-47	-218	-412	-404	-304	-59	0	0	-1,416
2025	0	0	0	27	-52	-225	-422	-413	-311	-61	0	0	-1,458
2026	0	0	0	25	-57	-233	-432	-423	-318	-64	0	0	-1,501
2027	0	0	0	24	-62	-241	-442	-432	-326	-66	0	0	-1,545
2028	0	0	0	22	-67	-249	-453	-442	-333	-68	0	0	-1,591
2029	0	0	0	20	-72	-257	-464	-453	-341	-70	0	0	-1,638
2030	0	0	0	19	-78	-266	-476	-463	-349	-73	0	0	-1,686
2031	0	0	0	18	-81	-272	-483	-471	-355	-74	0	0	-1,719
2032	0	0	0	16	-85	-278	-491	-478	-361	-76	0	0	-1,753
2033	0	0	0	15	-89	-284	-500	-486	-367	-78	0	0	-1,788
2034	0	0	0	14	-93	-290	-508	-493	-372	-79	0	0	-1,823
2035	0	0	0	13	-97	-297	-516	-501	-378	-81	0	0	-1,859
2036	0	0	0	11	-101	-303	-525	-509	-385	-83	0	0	-1,895
2037	0	0	0	10	-105	-310	-534	-518	-391	-85	0	0	-1,933
2038	0	0	0	8	-110	-317	-543	-526	-397	-87	0	0	-1,971
2039	0	0	0	7	-114	-324	-552	-535	-404	-88	0	0	-2,009
2040	0	0	0	6	-119	-331	-561	-543	-410	-90	0	0	-2,049
2041	0	0	0	5	-122	-336	-568	-550	-415	-92	0	0	-2,078
2042	0	0	0	4	-125	-341	-575	-556	-420	-93	0	0	-2,107
2043	0	0	0	3	-128	-346	-582	-562	-425	-95	0	0	-2,136
2044	0	0	0	1	-132	-351	-589	-569	-430	-96	0	0	-2,166
2045	0	0	0	0	-135	-357	-596	-576	-435	-98	0	0	-2,197
2046	0	0	0	-1	-139	-362	-603	-583	-440	-99	0	0	-2,227
2047	0	0	0	-2	-142	-368	-611	-589	-446	-101	0	0	-2,259
2048	0	0	0	-3	-146	-374	-618	-596	-451	-102	0	0	-2,290
2049	0	0	0	-4	-149	-379	-626	-603	-456	-104	0	0	-2,322
2050	0	0	0	-5	-153	-385	-634	-611	-462	-105	0	0	-2,355
2051	0	0	0	-6	-157	-390	-641	-617	-467	-107	0	0	-2,385
2052	0	0	0	-8	-160	-396	-648	-624	-472	-108	0	0	-2,415
2053	0	0	0	-9	-163	-401	-655	-631	-477	-110	0	0	-2,446
2054	0	0	0	-10	-167	-407	-662	-637	-482	-111	0	0	-2,477
2055	0	0	0	-11	-171	-412	-670	-644	-488	-113	0	0	-2,509
2056	0	0	0	-12	-174	-418	-677	-651	-493	-115	0	0	-2,541
2057	0	0	0	-13	-178	-424	-685	-659	-499	-116	0	0	-2,573
2058	0	0	0	-14	-182	-430	-693	-666	-504	-118	0	0	-2,606
2059	0	0	0	-16	-185	-436	-701	-673	-510	-119	0	0	-2,639
2060	0	0	0	-17	-189	-442	-709	-680	-515	-121	0	0	-2,673
2061	0	0	0	-18	-193	-448	-717	-688	-521	-123	0	0	-2,707
2062	0	0	0	-19	-197	-454	-725	-696	-527	-124	0	0	-2,741
2063	0	0	0	-21	-201	-460	-733	-703	-533	-126	0	0	-2,776
2064	0	0	0	-22	-205	-466	-741	-711	-539	-128	0	0	-2,811
2065	0	0	0	-23	-209	-473	-750	-719	-545	-130	0	0	-2,847

Nephi Table 22

Nephi													
Remaining Available Supply - Growing Conservation - Outdoor - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	43	-2	-147	-318	-317	-238	-40	0	0	-1,020
2018	0	0	0	41	-9	-158	-332	-330	-247	-43	0	0	-1,078
2019	0	0	0	38	-16	-169	-347	-343	-258	-46	0	0	-1,139
2020	0	0	0	36	-23	-180	-362	-358	-269	-49	0	0	-1,205
2021	0	0	0	36	-24	-182	-364	-360	-270	-50	0	0	-1,214
2022	0	0	0	35	-25	-184	-367	-362	-272	-50	0	0	-1,224
2023	0	0	0	35	-26	-185	-369	-364	-273	-50	0	0	-1,234
2024	0	0	0	35	-28	-187	-371	-366	-275	-51	0	0	-1,243
2025	0	0	0	34	-29	-189	-374	-368	-277	-51	0	0	-1,253
2026	0	0	0	34	-30	-191	-376	-370	-278	-52	0	0	-1,263
2027	0	0	0	34	-31	-193	-378	-373	-280	-52	0	0	-1,274
2028	0	0	0	33	-32	-194	-381	-375	-282	-53	0	0	-1,284
2029	0	0	0	33	-33	-196	-383	-377	-284	-53	0	0	-1,294
2030	0	0	0	32	-34	-198	-386	-380	-285	-54	0	0	-1,305
2031	0	0	0	32	-35	-200	-388	-381	-287	-54	0	0	-1,314
2032	0	0	0	32	-37	-201	-390	-383	-288	-55	0	0	-1,323
2033	0	0	0	31	-38	-203	-392	-385	-290	-55	0	0	-1,332
2034	0	0	0	31	-39	-205	-394	-387	-291	-56	0	0	-1,341
2035	0	0	0	31	-40	-206	-396	-389	-293	-56	0	0	-1,350
2036	0	0	0	31	-41	-208	-399	-391	-295	-57	0	0	-1,359
2037	0	0	0	30	-42	-209	-401	-394	-296	-57	0	0	-1,368
2038	0	0	0	30	-43	-211	-403	-396	-298	-58	0	0	-1,378
2039	0	0	0	29	-44	-213	-405	-398	-299	-58	0	0	-1,387
2040	0	0	0	29	-45	-214	-407	-400	-301	-58	0	0	-1,397
2041	0	0	0	29	-46	-217	-410	-402	-303	-59	0	0	-1,409
2042	0	0	0	28	-48	-219	-413	-405	-305	-60	0	0	-1,422
2043	0	0	0	28	-49	-221	-416	-408	-307	-60	0	0	-1,435
2044	0	0	0	27	-51	-224	-419	-411	-309	-61	0	0	-1,447
2045	0	0	0	27	-52	-226	-422	-414	-312	-62	0	0	-1,460
2046	0	0	0	26	-54	-228	-426	-417	-314	-62	0	0	-1,474
2047	0	0	0	26	-55	-231	-429	-420	-316	-63	0	0	-1,487
2048	0	0	0	25	-57	-233	-432	-423	-318	-64	0	0	-1,500
2049	0	0	0	25	-58	-235	-435	-426	-321	-64	0	0	-1,514
2050	0	0	0	24	-60	-238	-438	-429	-323	-65	0	0	-1,528
2051	0	0	0	24	-61	-240	-441	-431	-325	-65	0	0	-1,539
2052	0	0	0	24	-62	-242	-444	-434	-327	-66	0	0	-1,551
2053	0	0	0	23	-64	-244	-447	-436	-329	-67	0	0	-1,563
2054	0	0	0	23	-65	-246	-449	-439	-331	-67	0	0	-1,575
2055	0	0	0	22	-66	-248	-452	-442	-333	-68	0	0	-1,587
2056	0	0	0	22	-68	-251	-455	-444	-335	-68	0	0	-1,599
2057	0	0	0	21	-69	-253	-458	-447	-337	-69	0	0	-1,612
2058	0	0	0	21	-71	-255	-461	-450	-339	-70	0	0	-1,624
2059	0	0	0	21	-72	-257	-464	-453	-341	-70	0	0	-1,637
2060	0	0	0	20	-73	-259	-467	-455	-343	-71	0	0	-1,649
2061	0	0	0	20	-75	-261	-469	-458	-345	-71	0	0	-1,660
2062	0	0	0	19	-76	-263	-472	-460	-347	-72	0	0	-1,670
2063	0	0	0	19	-77	-265	-475	-462	-349	-72	0	0	-1,681
2064	0	0	0	19	-78	-267	-477	-465	-350	-73	0	0	-1,692
2065	0	0	0	18	-79	-269	-480	-467	-352	-73	0	0	-1,703

Nephi Table 23

Nephi													
Irrigation Shares - no ag conversion													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	102	183	145	69	44	38	40	0	0	622
2018	0	0	0	102	183	145	69	44	38	40	0	0	622
2019	0	0	0	102	183	145	69	44	38	40	0	0	622
2020	0	0	0	102	183	145	69	44	38	40	0	0	622
2021	0	0	0	102	183	145	69	44	38	40	0	0	622
2022	0	0	0	102	183	145	69	44	38	40	0	0	622
2023	0	0	0	102	183	145	69	44	38	40	0	0	622
2024	0	0	0	102	183	145	69	44	38	40	0	0	622
2025	0	0	0	102	183	145	69	44	38	40	0	0	622
2026	0	0	0	102	183	145	69	44	38	40	0	0	622
2027	0	0	0	102	183	145	69	44	38	40	0	0	622
2028	0	0	0	102	183	145	69	44	38	40	0	0	622
2029	0	0	0	102	183	145	69	44	38	40	0	0	622
2030	0	0	0	102	183	145	69	44	38	40	0	0	622
2031	0	0	0	102	183	145	69	44	38	40	0	0	622
2032	0	0	0	102	183	145	69	44	38	40	0	0	622
2033	0	0	0	102	183	145	69	44	38	40	0	0	622
2034	0	0	0	102	183	145	69	44	38	40	0	0	622
2035	0	0	0	102	183	145	69	44	38	40	0	0	622
2036	0	0	0	102	183	145	69	44	38	40	0	0	622
2037	0	0	0	102	183	145	69	44	38	40	0	0	622
2038	0	0	0	102	183	145	69	44	38	40	0	0	622
2039	0	0	0	102	183	145	69	44	38	40	0	0	622
2040	0	0	0	102	183	145	69	44	38	40	0	0	622
2041	0	0	0	102	183	145	69	44	38	40	0	0	622
2042	0	0	0	102	183	145	69	44	38	40	0	0	622
2043	0	0	0	102	183	145	69	44	38	40	0	0	622
2044	0	0	0	102	183	145	69	44	38	40	0	0	622
2045	0	0	0	102	183	145	69	44	38	40	0	0	622
2046	0	0	0	102	183	145	69	44	38	40	0	0	622
2047	0	0	0	102	183	145	69	44	38	40	0	0	622
2048	0	0	0	102	183	145	69	44	38	40	0	0	622
2049	0	0	0	102	183	145	69	44	38	40	0	0	622
2050	0	0	0	102	183	145	69	44	38	40	0	0	622
2051	0	0	0	102	183	145	69	44	38	40	0	0	622
2052	0	0	0	102	183	145	69	44	38	40	0	0	622
2053	0	0	0	102	183	145	69	44	38	40	0	0	622
2054	0	0	0	102	183	145	69	44	38	40	0	0	622
2055	0	0	0	102	183	145	69	44	38	40	0	0	622
2056	0	0	0	102	183	145	69	44	38	40	0	0	622
2057	0	0	0	102	183	145	69	44	38	40	0	0	622
2058	0	0	0	102	183	145	69	44	38	40	0	0	622
2059	0	0	0	102	183	145	69	44	38	40	0	0	622
2060	0	0	0	102	183	145	69	44	38	40	0	0	622
2061	0	0	0	102	183	145	69	44	38	40	0	0	622
2062	0	0	0	102	183	145	69	44	38	40	0	0	622
2063	0	0	0	102	183	145	69	44	38	40	0	0	622
2064	0	0	0	102	183	145	69	44	38	40	0	0	622
2065	0	0	0	102	183	145	69	44	38	40	0	0	622

Nephi Table 24

Nephi													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	253	228	255	243	263	265	277	273	256	253	243	250	3,059
2017	167	151	166	162	163	154	158	160	157	167	162	168	1,935
2018	169	152	168	164	165	156	161	162	159	169	164	170	1,959
2019	171	154	170	165	168	159	164	165	162	171	166	171	1,984
2020	173	156	172	167	170	162	167	167	164	173	168	173	2,012
2021	174	157	173	168	171	163	168	169	165	174	168	174	2,024
2022	174	158	174	169	172	164	169	170	166	175	169	175	2,036
2023	175	158	175	170	173	165	170	171	167	175	170	176	2,048
2024	176	159	176	171	174	167	172	172	168	176	171	177	2,061
2025	177	160	177	172	176	168	173	174	170	177	172	178	2,075
2026	179	161	178	173	177	169	175	175	171	179	173	179	2,088
2027	180	162	179	174	178	171	176	177	172	180	174	180	2,103
2028	181	163	180	175	179	172	178	178	173	181	175	181	2,117
2029	182	164	182	176	181	174	179	180	175	182	176	182	2,132
2030	183	165	183	177	182	175	181	181	176	183	177	183	2,147
2031	184	166	184	178	183	176	182	182	177	184	178	184	2,158
2032	185	167	185	179	184	177	183	183	178	185	179	185	2,169
2033	186	168	185	180	185	178	184	184	179	186	180	186	2,180
2034	186	168	186	180	186	180	185	186	180	186	180	187	2,191
2035	187	169	187	181	187	181	187	187	181	187	181	187	2,203
2036	188	170	188	182	188	182	188	188	182	188	182	188	2,214
2037	189	171	189	183	189	183	189	189	183	189	183	189	2,226
2038	190	172	190	184	190	184	190	190	184	190	184	190	2,238
2039	191	172	191	185	191	185	192	192	185	191	185	191	2,251
2040	192	173	192	186	192	187	193	193	186	192	186	192	2,263
2041	193	174	193	186	193	188	194	194	187	193	186	192	2,272
2042	193	175	193	187	194	188	195	195	188	193	187	193	2,282
2043	194	175	194	188	195	189	196	196	189	194	188	194	2,291
2044	195	176	195	188	196	190	197	197	190	195	188	195	2,301
2045	196	177	196	189	197	191	198	198	190	196	189	195	2,310
2046	196	177	197	190	197	192	199	199	191	196	190	196	2,320
2047	197	178	197	191	198	193	200	200	192	197	190	197	2,330
2048	198	179	198	191	199	194	201	201	193	198	191	197	2,340
2049	199	179	199	192	200	195	202	202	194	199	192	198	2,351
2050	199	180	200	193	201	196	203	203	195	199	193	199	2,361
2051	200	181	200	193	202	197	204	204	196	200	193	200	2,371
2052	201	181	201	194	203	198	205	205	197	201	194	200	2,380
2053	202	182	202	195	204	199	206	206	197	202	195	201	2,390
2054	202	183	203	196	204	200	207	207	198	202	195	202	2,400
2055	203	184	204	196	205	201	208	208	199	203	196	202	2,410
2056	204	184	204	197	206	202	209	209	200	204	197	203	2,420
2057	205	185	205	198	207	203	211	210	201	205	198	204	2,431
2058	206	186	206	199	208	204	212	211	202	206	198	205	2,441
2059	206	186	207	199	209	205	213	212	203	206	199	206	2,452
2060	207	187	208	200	210	206	214	213	204	207	200	206	2,462
2061	208	188	209	201	211	207	215	214	205	208	201	207	2,473
2062	209	189	209	202	212	209	216	215	206	209	201	208	2,484
2063	210	189	210	203	213	210	217	216	207	210	202	209	2,495
2064	211	190	211	203	214	211	219	217	208	211	203	210	2,507
2065	211	191	212	204	215	212	220	219	209	211	204	210	2,518

Nephi Table 25

Nephi													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	44	2	-140	-308	-308	-230	-38	0	0	-978
2018	0	0	0	40	-11	-161	-336	-333	-250	-44	0	0	-1,094
2019	0	0	0	36	-25	-183	-366	-361	-271	-50	0	0	-1,220
2020	0	0	0	59	11	-167	-378	-378	-283	-45	0	0	-1,181
2021	0	0	0	69	26	-160	-384	-386	-289	-43	0	0	-1,166
2022	0	0	0	80	42	-153	-390	-394	-294	-41	0	0	-1,152
2023	0	0	0	90	58	-146	-397	-403	-300	-39	0	0	-1,137
2024	0	0	0	101	75	-139	-403	-412	-307	-37	0	0	-1,121
2025	0	0	0	113	92	-131	-410	-421	-313	-35	0	0	-1,106
2026	0	0	0	124	110	-124	-417	-430	-319	-33	0	0	-1,090
2027	0	0	0	136	128	-116	-425	-440	-326	-31	0	0	-1,073
2028	0	0	0	149	146	-108	-432	-450	-333	-28	0	0	-1,057
2029	0	0	0	161	165	-100	-440	-460	-340	-26	0	0	-1,040
2030	0	0	0	174	185	-91	-448	-471	-348	-24	0	0	-1,023
2031	0	0	0	183	198	-86	-454	-479	-353	-22	0	0	-1,013
2032	0	0	0	192	212	-80	-460	-487	-359	-20	0	0	-1,003
2033	0	0	0	202	226	-75	-467	-495	-365	-19	0	0	-993
2034	0	0	0	211	240	-69	-473	-503	-371	-17	0	0	-982
2035	0	0	0	221	254	-63	-480	-512	-377	-15	0	0	-972
2036	0	0	0	231	269	-57	-487	-520	-383	-14	0	0	-961
2037	0	0	0	241	283	-51	-494	-529	-389	-12	0	0	-951
2038	0	0	0	251	299	-45	-501	-538	-395	-10	0	0	-940
2039	0	0	0	261	314	-39	-508	-548	-402	-9	0	0	-930
2040	0	0	0	272	330	-33	-515	-557	-409	-7	0	0	-919
2041	0	0	0	279	341	-28	-521	-564	-414	-5	0	0	-913
2042	0	0	0	287	352	-24	-527	-572	-419	-4	0	0	-907
2043	0	0	0	295	364	-20	-533	-580	-424	-3	0	0	-901
2044	0	0	0	303	375	-15	-539	-587	-430	-2	0	0	-895
2045	0	0	0	311	387	-11	-546	-595	-435	0	0	0	-890
2046	0	0	0	319	399	-7	-552	-603	-441	1	0	0	-884
2047	0	0	0	327	411	-2	-559	-611	-447	2	0	0	-878
2048	0	0	0	336	423	2	-565	-619	-453	3	0	0	-872
2049	0	0	0	344	436	7	-572	-628	-459	5	0	0	-867
2050	0	0	0	353	448	12	-579	-636	-465	6	0	0	-861
2051	0	0	0	361	460	16	-585	-644	-470	7	0	0	-856
2052	0	0	0	369	472	20	-592	-652	-476	8	0	0	-852
2053	0	0	0	377	483	24	-599	-661	-482	10	0	0	-847
2054	0	0	0	385	495	28	-606	-669	-488	11	0	0	-843
2055	0	0	0	393	507	33	-613	-678	-494	12	0	0	-839
2056	0	0	0	402	520	37	-620	-686	-500	13	0	0	-834
2057	0	0	0	410	532	41	-627	-695	-506	15	0	0	-830
2058	0	0	0	419	544	46	-634	-704	-513	16	0	0	-826
2059	0	0	0	428	557	50	-641	-713	-519	17	0	0	-822
2060	0	0	0	436	570	55	-649	-722	-526	18	0	0	-818
2061	0	0	0	445	583	59	-657	-732	-532	20	0	0	-814
2062	0	0	0	454	596	64	-664	-741	-539	21	0	0	-810
2063	0	0	0	463	609	68	-672	-751	-546	22	0	0	-806
2064	0	0	0	473	623	73	-680	-760	-553	24	0	0	-802
2065	0	0	0	482	636	77	-688	-770	-560	25	0	0	-798

Nephi Table 26

Nephi													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	253	228	255	345	446	410	346	318	294	293	243	250	3,681
2017	167	151	166	206	166	14	-150	-148	-73	129	162	168	957
2018	169	152	168	204	155	-4	-175	-171	-91	125	164	170	864
2019	171	154	170	201	143	-24	-202	-196	-109	121	166	171	765
2020	173	156	172	226	181	-5	-212	-211	-119	128	168	173	831
2021	174	157	173	237	197	3	-216	-217	-123	130	168	174	857
2022	174	158	174	249	214	11	-221	-225	-128	133	169	175	884
2023	175	158	175	260	232	19	-226	-232	-133	136	170	176	912
2024	176	159	176	272	249	28	-232	-239	-138	139	171	177	940
2025	177	160	177	285	268	37	-237	-247	-143	142	172	178	969
2026	179	161	178	297	286	46	-243	-255	-149	146	173	179	999
2027	180	162	179	310	306	55	-249	-263	-154	149	174	180	1,029
2028	181	163	180	324	326	64	-255	-272	-160	152	175	181	1,060
2029	182	164	182	338	346	74	-261	-281	-166	156	176	182	1,092
2030	183	165	183	352	367	84	-267	-290	-172	159	177	183	1,125
2031	184	166	184	361	381	90	-272	-297	-176	162	178	184	1,145
2032	185	167	185	371	396	97	-277	-303	-181	164	179	185	1,166
2033	186	168	185	381	410	104	-283	-310	-186	167	180	186	1,187
2034	186	168	186	392	426	111	-288	-318	-191	169	180	187	1,209
2035	187	169	187	402	441	118	-293	-325	-196	172	181	187	1,231
2036	188	170	188	413	457	125	-299	-333	-201	174	182	188	1,253
2037	189	171	189	424	472	132	-304	-340	-206	177	183	189	1,275
2038	190	172	190	435	489	139	-310	-348	-211	180	184	190	1,298
2039	191	172	191	446	505	147	-316	-356	-217	182	185	191	1,321
2040	192	173	192	457	522	154	-322	-364	-222	185	186	192	1,344
2041	193	174	193	466	534	159	-327	-371	-227	187	186	192	1,359
2042	193	175	193	474	546	164	-332	-377	-231	189	187	193	1,375
2043	194	175	194	483	559	170	-337	-384	-236	191	188	194	1,390
2044	195	176	195	491	571	175	-343	-391	-240	193	188	195	1,405
2045	196	177	196	500	584	180	-348	-397	-245	195	189	195	1,421
2046	196	177	197	509	596	186	-353	-404	-250	197	190	196	1,436
2047	197	178	197	518	609	191	-359	-412	-255	199	190	197	1,452
2048	198	179	198	527	623	197	-364	-419	-260	201	191	197	1,468
2049	199	179	199	536	636	202	-370	-426	-265	203	192	198	1,484
2050	199	180	200	546	649	208	-376	-434	-270	205	193	199	1,500
2051	200	181	200	554	662	213	-381	-441	-275	207	193	200	1,514
2052	201	181	201	563	674	218	-387	-448	-280	209	194	200	1,528
2053	202	182	202	572	687	223	-393	-455	-285	211	195	201	1,543
2054	202	183	203	581	700	229	-398	-462	-290	213	195	202	1,557
2055	203	184	204	590	713	234	-404	-470	-295	215	196	202	1,571
2056	204	184	204	599	726	239	-410	-478	-300	217	197	203	1,586
2057	205	185	205	608	739	245	-416	-485	-305	219	198	204	1,601
2058	206	186	206	617	753	250	-422	-493	-311	221	198	205	1,615
2059	206	186	207	627	766	255	-429	-501	-316	224	199	206	1,630
2060	207	187	208	636	780	261	-435	-509	-322	226	200	206	1,645
2061	208	188	209	646	794	266	-442	-517	-328	228	201	207	1,660
2062	209	189	209	656	808	272	-448	-526	-333	230	201	208	1,675
2063	210	189	210	666	822	278	-455	-534	-339	232	202	209	1,690
2064	211	190	211	676	836	283	-462	-543	-345	234	203	210	1,705
2065	211	191	212	686	851	289	-469	-552	-351	237	204	210	1,720

Nephi Table 27

Nephi													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	253	228	255	243	263	265	277	273	256	253	243	250	3,059
2017	174	157	174	169	172	163	168	169	166	174	169	175	2,029
2018	177	160	176	171	175	167	172	173	169	177	171	177	2,065
2019	180	162	179	174	178	171	176	177	172	180	174	180	2,102
2020	183	165	182	177	182	175	180	181	176	183	177	183	2,143
2021	184	166	184	178	183	176	182	182	177	184	178	184	2,160
2022	185	167	185	180	185	178	184	184	179	185	180	186	2,179
2023	187	169	187	181	186	180	186	186	180	187	181	187	2,197
2024	188	170	188	182	188	182	188	188	182	188	182	188	2,216
2025	190	171	190	184	190	184	190	190	184	190	184	190	2,236
2026	191	173	191	185	192	186	192	192	186	191	185	191	2,256
2027	193	174	193	187	194	188	194	194	187	193	187	193	2,277
2028	195	176	195	188	195	190	197	196	189	195	188	194	2,298
2029	196	177	197	190	197	192	199	199	191	196	190	196	2,320
2030	198	179	198	191	199	195	201	201	193	198	191	198	2,343
2031	199	180	200	193	201	196	203	202	195	199	192	199	2,359
2032	200	181	201	194	202	198	205	204	196	200	194	200	2,375
2033	202	182	202	195	204	199	206	206	197	202	195	201	2,391
2034	203	183	203	196	205	201	208	207	199	203	196	202	2,408
2035	204	185	205	197	207	203	210	209	200	204	197	204	2,425
2036	206	186	206	199	208	204	212	211	202	206	198	205	2,442
2037	207	187	208	200	210	206	214	213	203	207	200	206	2,459
2038	208	188	209	201	211	208	215	214	205	208	201	207	2,477
2039	210	189	210	203	213	210	217	216	207	210	202	209	2,496
2040	211	191	212	204	215	211	219	218	208	211	204	210	2,514
2041	212	192	213	205	216	213	221	220	209	212	205	211	2,528
2042	213	193	214	206	217	214	222	221	211	213	206	212	2,541
2043	214	194	215	207	218	216	224	222	212	214	206	213	2,555
2044	215	195	216	208	219	217	225	224	213	215	208	214	2,569
2045	216	196	217	209	221	218	227	225	214	216	209	215	2,584
2046	218	197	218	210	222	220	228	227	216	218	210	216	2,598
2047	219	198	220	211	223	221	230	228	217	219	211	217	2,613
2048	220	199	221	212	225	223	231	230	218	220	212	218	2,628
2049	221	200	222	213	226	224	233	231	220	221	213	219	2,643
2050	222	201	223	214	227	226	234	233	221	222	214	221	2,658
2051	223	202	224	215	229	227	236	234	222	223	215	222	2,672
2052	224	203	225	216	230	229	237	236	223	224	216	223	2,687
2053	226	204	227	217	231	230	239	237	225	225	217	224	2,701
2054	227	205	228	218	232	231	241	239	226	227	218	225	2,716
2055	228	206	229	220	234	233	242	240	227	228	219	226	2,731
2056	229	207	230	221	235	234	244	242	229	229	220	227	2,746
2057	230	208	231	222	236	236	245	243	230	230	221	228	2,761
2058	231	209	233	223	238	237	247	245	231	231	222	229	2,777
2059	232	210	234	224	239	239	249	246	233	232	223	230	2,792
2060	234	211	235	225	241	241	250	248	234	234	225	231	2,808
2061	235	212	236	226	242	242	252	250	236	235	226	233	2,824
2062	236	213	238	228	243	244	254	251	237	236	227	234	2,840
2063	237	214	239	229	245	245	255	253	238	237	228	235	2,857
2064	239	216	240	230	246	247	257	255	240	239	229	236	2,873
2065	240	217	242	231	248	249	259	256	241	240	230	237	2,890

Nephi Table 28

Nephi													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	43	-2	-147	-318	-317	-238	-40	0	0	-1,020
2018	0	0	0	40	-11	-161	-336	-333	-250	-44	0	0	-1,094
2019	0	0	0	37	-20	-175	-355	-351	-264	-48	0	0	-1,175
2020	0	0	0	62	22	-150	-356	-357	-267	-41	0	0	-1,087
2021	0	0	0	73	40	-139	-356	-360	-269	-37	0	0	-1,049
2022	0	0	0	85	58	-128	-357	-363	-271	-34	0	0	-1,010
2023	0	0	0	96	77	-116	-357	-366	-272	-31	0	0	-970
2024	0	0	0	108	97	-104	-358	-369	-274	-28	0	0	-928
2025	0	0	0	121	117	-92	-358	-372	-276	-24	0	0	-886
2026	0	0	0	133	138	-80	-359	-376	-278	-21	0	0	-842
2027	0	0	0	146	159	-67	-359	-379	-280	-17	0	0	-797
2028	0	0	0	160	181	-53	-360	-383	-282	-13	0	0	-750
2029	0	0	0	174	203	-40	-361	-386	-284	-9	0	0	-703
2030	0	0	0	188	227	-26	-361	-390	-286	-5	0	0	-654
2031	0	0	0	198	243	-16	-361	-392	-287	-3	0	0	-620
2032	0	0	0	207	259	-6	-362	-395	-289	0	0	0	-585
2033	0	0	0	218	276	4	-362	-398	-290	3	0	0	-550
2034	0	0	0	228	293	14	-363	-400	-292	6	0	0	-514
2035	0	0	0	239	310	25	-363	-403	-293	9	0	0	-477
2036	0	0	0	249	327	36	-364	-406	-295	12	0	0	-440
2037	0	0	0	260	345	46	-364	-409	-297	15	0	0	-402
2038	0	0	0	272	364	58	-364	-411	-298	18	0	0	-363
2039	0	0	0	283	382	69	-365	-414	-300	21	0	0	-324
2040	0	0	0	295	401	80	-365	-417	-302	24	0	0	-284
2041	0	0	0	303	415	89	-366	-420	-303	27	0	0	-254
2042	0	0	0	312	429	97	-366	-422	-304	29	0	0	-225
2043	0	0	0	320	444	106	-366	-424	-306	32	0	0	-194
2044	0	0	0	329	458	115	-367	-426	-307	34	0	0	-164
2045	0	0	0	338	473	124	-367	-429	-308	37	0	0	-133
2046	0	0	0	347	487	133	-368	-431	-310	39	0	0	-102
2047	0	0	0	356	503	142	-368	-433	-311	42	0	0	-70
2048	0	0	0	366	518	151	-368	-436	-312	44	0	0	-38
2049	0	0	0	375	533	160	-369	-438	-314	47	0	0	-5
2050	0	0	0	385	549	170	-369	-441	-315	50	0	0	28
2051	0	0	0	394	563	179	-369	-443	-316	52	0	0	59
2052	0	0	0	403	578	188	-370	-445	-318	55	0	0	90
2053	0	0	0	412	593	197	-370	-448	-319	57	0	0	121
2054	0	0	0	421	608	206	-371	-450	-321	60	0	0	153
2055	0	0	0	430	623	215	-371	-452	-322	62	0	0	185
2056	0	0	0	440	639	224	-371	-455	-323	65	0	0	218
2057	0	0	0	449	654	234	-372	-457	-325	68	0	0	251
2058	0	0	0	459	670	243	-372	-460	-326	70	0	0	284
2059	0	0	0	469	686	253	-372	-462	-328	73	0	0	318
2060	0	0	0	478	702	263	-373	-465	-329	76	0	0	352
2061	0	0	0	488	719	273	-373	-467	-331	79	0	0	387
2062	0	0	0	499	735	283	-374	-470	-332	81	0	0	422
2063	0	0	0	509	752	293	-374	-473	-334	84	0	0	458
2064	0	0	0	519	769	303	-375	-475	-335	87	0	0	494
2065	0	0	0	530	786	314	-375	-478	-337	90	0	0	530

Nephi Table 29

Nephi													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	253	228	255	345	446	410	346	318	294	293	243	250	3,681
2017	174	157	174	211	169	16	-150	-148	-72	134	169	175	1,010
2018	177	160	176	211	164	6	-164	-161	-81	133	171	177	970
2019	180	162	179	211	158	-4	-179	-174	-91	132	174	180	928
2020	183	165	182	239	203	25	-176	-177	-92	142	177	183	1,056
2021	184	166	184	252	223	38	-174	-178	-92	147	178	184	1,111
2022	185	167	185	264	243	51	-173	-179	-92	151	180	186	1,169
2023	187	169	187	277	264	64	-171	-180	-92	156	181	187	1,227
2024	188	170	188	291	285	78	-170	-181	-92	161	182	188	1,288
2025	190	171	190	304	307	92	-168	-182	-92	166	184	190	1,350
2026	191	173	191	318	329	106	-167	-184	-92	171	185	191	1,414
2027	193	174	193	333	352	121	-165	-185	-92	176	187	193	1,480
2028	195	176	195	348	376	137	-163	-186	-92	181	188	194	1,548
2029	196	177	197	363	401	153	-162	-187	-93	187	190	196	1,618
2030	198	179	198	379	426	169	-160	-189	-93	193	191	198	1,690
2031	199	180	200	390	443	180	-158	-190	-93	196	192	199	1,739
2032	200	181	201	401	461	192	-157	-191	-93	200	194	200	1,790
2033	202	182	202	413	479	203	-156	-192	-93	205	195	201	1,841
2034	203	183	203	424	498	215	-155	-193	-93	209	196	202	1,894
2035	204	185	205	436	516	228	-153	-194	-93	213	197	204	1,947
2036	206	186	206	448	536	240	-152	-195	-93	217	198	205	2,002
2037	207	187	208	460	555	253	-150	-196	-93	222	200	206	2,057
2038	208	188	209	473	575	265	-149	-197	-93	226	201	207	2,114
2039	210	189	210	486	595	279	-148	-198	-93	231	202	209	2,172
2040	211	191	212	499	616	292	-146	-199	-94	236	204	210	2,231
2041	212	192	213	508	631	302	-145	-200	-94	239	205	211	2,273
2042	213	193	214	518	646	312	-144	-201	-94	242	206	212	2,317
2043	214	194	215	527	662	322	-143	-202	-94	246	206	213	2,361
2044	215	195	216	537	677	332	-142	-202	-94	249	208	214	2,405
2045	216	196	217	547	693	342	-141	-203	-94	253	209	215	2,451
2046	218	197	218	557	709	352	-139	-204	-94	257	210	216	2,497
2047	219	198	220	567	726	363	-138	-205	-94	260	211	217	2,543
2048	220	199	221	578	742	374	-137	-206	-94	264	212	218	2,590
2049	221	200	222	588	759	385	-136	-207	-94	268	213	219	2,638
2050	222	201	223	599	776	396	-135	-208	-94	272	214	221	2,687
2051	223	202	224	609	792	406	-134	-209	-94	275	215	222	2,731
2052	224	203	225	619	808	416	-132	-210	-94	279	216	223	2,777
2053	226	204	227	629	824	427	-131	-210	-94	283	217	224	2,823
2054	227	205	228	639	840	437	-130	-211	-95	286	218	225	2,869
2055	228	206	229	650	857	448	-129	-212	-95	290	219	226	2,916
2056	229	207	230	660	874	459	-128	-213	-95	294	220	227	2,964
2057	230	208	231	671	891	470	-126	-214	-95	298	221	228	3,012
2058	231	209	233	682	908	481	-125	-215	-95	301	222	229	3,061
2059	232	210	234	693	925	492	-124	-216	-95	305	223	230	3,110
2060	234	211	235	704	943	503	-123	-217	-95	309	225	231	3,160
2061	235	212	236	715	961	515	-121	-218	-95	313	226	233	3,211
2062	236	213	238	726	979	527	-120	-219	-95	317	227	234	3,263
2063	237	214	239	738	997	538	-119	-220	-95	322	228	235	3,315
2064	239	216	240	749	1,015	550	-117	-221	-95	326	229	236	3,367
2065	240	217	242	761	1,034	562	-116	-222	-95	330	230	237	3,420

Nephi Table 30

Nephi													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	253	228	255	243	263	265	277	273	256	253	243	250	3,059
2017	174	157	174	169	172	163	168	169	166	174	169	175	2,029
2018	177	160	177	172	175	167	173	173	169	177	172	178	2,069
2019	180	163	180	175	179	172	177	177	173	180	175	181	2,111
2020	184	166	184	178	183	176	182	182	177	184	178	184	2,157
2021	186	168	186	180	185	179	184	185	179	186	180	186	2,181
2022	188	169	188	182	187	181	187	187	181	188	182	188	2,207
2023	190	171	190	183	190	184	190	190	184	190	183	190	2,233
2024	192	173	192	185	192	186	193	192	186	192	185	191	2,259
2025	194	175	194	187	194	189	195	195	188	194	187	194	2,287
2026	196	177	196	189	197	192	198	198	191	196	189	196	2,316
2027	198	179	198	192	200	195	202	201	193	198	191	198	2,345
2028	200	181	201	194	202	198	205	204	196	200	194	200	2,375
2029	203	183	203	196	205	201	208	207	199	203	196	202	2,406
2030	205	185	206	198	208	204	211	211	202	205	198	205	2,438
2031	207	187	208	200	210	206	214	213	204	207	200	206	2,460
2032	209	189	209	202	212	208	216	215	205	209	201	208	2,482
2033	210	190	211	203	214	211	218	217	207	210	203	209	2,505
2034	212	192	213	205	216	213	221	220	210	212	205	211	2,528
2035	214	193	215	207	218	215	223	222	212	214	206	213	2,552
2036	216	195	217	208	220	218	226	224	214	216	208	215	2,576
2037	218	197	219	210	222	220	228	227	216	218	210	216	2,600
2038	220	198	221	212	224	222	231	229	218	220	212	218	2,625
2039	222	200	223	214	227	225	234	232	220	222	213	220	2,651
2040	224	202	225	216	229	228	236	235	223	224	215	222	2,677
2041	225	203	226	217	231	229	238	236	224	225	216	223	2,695
2042	226	204	228	218	232	231	240	238	226	226	218	225	2,713
2043	228	206	229	220	234	233	242	240	227	228	219	226	2,731
2044	229	207	230	221	235	235	244	242	229	229	220	227	2,749
2045	231	208	232	222	237	237	246	244	231	230	222	229	2,768
2046	232	210	233	224	239	238	248	246	232	232	223	230	2,787
2047	234	211	235	225	240	240	250	248	234	233	224	231	2,806
2048	235	212	236	226	242	242	252	250	236	235	226	233	2,825
2049	237	214	238	228	244	244	254	252	237	236	227	234	2,845
2050	238	215	240	229	246	246	256	254	239	238	229	236	2,865
2051	240	216	241	231	247	248	258	256	241	239	230	237	2,884
2052	241	218	243	232	249	250	260	258	242	241	231	238	2,903
2053	242	219	244	233	251	252	262	259	244	242	233	240	2,922
2054	244	220	246	235	252	254	264	261	246	244	234	241	2,941
2055	245	222	247	236	254	256	266	263	248	245	236	243	2,961
2056	247	223	249	238	256	258	268	265	249	247	237	244	2,981
2057	249	224	250	239	258	260	270	268	251	248	238	246	3,001
2058	250	226	252	241	260	262	273	270	253	250	240	247	3,022
2059	252	227	254	242	261	264	275	272	255	252	241	249	3,043
2060	253	229	255	244	263	266	277	274	257	253	243	250	3,064
2061	255	230	257	245	265	268	279	276	259	255	244	252	3,086
2062	257	232	259	247	267	270	282	278	260	257	246	253	3,108
2063	258	233	261	249	269	272	284	281	262	258	248	255	3,130
2064	260	235	262	250	271	275	286	283	264	260	249	257	3,153
2065	262	237	264	252	273	277	289	285	267	262	251	258	3,176

Nephi Table 31

Nephi													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	102	183	145	69	44	38	40	0	0	622
2017	0	0	0	43	-2	-147	-318	-317	-238	-40	0	0	-1,020
2018	0	0	0	41	-9	-158	-332	-330	-247	-43	0	0	-1,078
2019	0	0	0	38	-16	-169	-347	-343	-258	-46	0	0	-1,139
2020	0	0	0	64	28	-140	-343	-345	-258	-38	0	0	-1,031
2021	0	0	0	76	49	-124	-337	-342	-255	-33	0	0	-965
2022	0	0	0	89	71	-108	-330	-338	-252	-29	0	0	-898
2023	0	0	0	101	93	-91	-324	-335	-248	-24	0	0	-828
2024	0	0	0	115	116	-74	-317	-331	-245	-19	0	0	-755
2025	0	0	0	128	140	-56	-310	-327	-242	-14	0	0	-681
2026	0	0	0	142	164	-37	-303	-323	-238	-9	0	0	-604
2027	0	0	0	156	190	-18	-295	-319	-234	-4	0	0	-525
2028	0	0	0	171	215	1	-288	-315	-230	2	0	0	-443
2029	0	0	0	186	242	21	-279	-311	-226	7	0	0	-359
2030	0	0	0	201	270	42	-271	-306	-222	13	0	0	-273
2031	0	0	0	212	288	56	-266	-303	-219	17	0	0	-214
2032	0	0	0	223	308	71	-260	-300	-217	21	0	0	-155
2033	0	0	0	234	327	85	-255	-297	-214	25	0	0	-94
2034	0	0	0	245	347	100	-249	-294	-211	29	0	0	-32
2035	0	0	0	257	367	115	-243	-291	-208	34	0	0	31
2036	0	0	0	269	388	131	-237	-288	-205	38	0	0	96
2037	0	0	0	281	409	147	-231	-284	-202	42	0	0	162
2038	0	0	0	293	431	163	-225	-281	-199	47	0	0	229
2039	0	0	0	305	453	180	-218	-277	-196	52	0	0	298
2040	0	0	0	318	475	197	-212	-274	-192	56	0	0	369
2041	0	0	0	327	491	208	-208	-272	-191	60	0	0	414
2042	0	0	0	336	507	219	-204	-271	-189	63	0	0	460
2043	0	0	0	346	523	231	-201	-270	-188	66	0	0	507
2044	0	0	0	355	539	243	-197	-268	-186	69	0	0	555
2045	0	0	0	365	556	255	-193	-267	-185	73	0	0	603
2046	0	0	0	374	573	267	-190	-265	-183	76	0	0	652
2047	0	0	0	384	590	279	-186	-264	-181	80	0	0	702
2048	0	0	0	394	607	292	-182	-262	-180	83	0	0	752
2049	0	0	0	404	625	304	-178	-260	-178	87	0	0	803
2050	0	0	0	415	642	317	-174	-259	-176	90	0	0	855
2051	0	0	0	424	659	329	-170	-257	-174	94	0	0	904
2052	0	0	0	434	676	341	-166	-255	-173	97	0	0	954
2053	0	0	0	443	693	354	-162	-253	-171	100	0	0	1,004
2054	0	0	0	453	710	366	-158	-251	-169	104	0	0	1,055
2055	0	0	0	463	727	379	-153	-250	-167	107	0	0	1,107
2056	0	0	0	473	745	392	-149	-248	-165	111	0	0	1,159
2057	0	0	0	484	763	405	-145	-246	-163	115	0	0	1,212
2058	0	0	0	494	781	418	-140	-244	-161	118	0	0	1,266
2059	0	0	0	505	799	431	-136	-242	-159	122	0	0	1,321
2060	0	0	0	515	818	445	-131	-240	-157	126	0	0	1,376
2061	0	0	0	526	837	459	-126	-237	-155	130	0	0	1,434
2062	0	0	0	537	856	473	-121	-234	-152	134	0	0	1,493
2063	0	0	0	548	876	488	-116	-232	-150	138	0	0	1,553
2064	0	0	0	560	895	503	-110	-229	-147	142	0	0	1,613
2065	0	0	0	571	916	518	-105	-226	-144	146	0	0	1,675

Nephi Table 32

Nephi													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	253	228	255	345	446	410	346	318	294	293	243	250	3,681
2017	174	157	174	211	169	16	-150	-148	-72	134	169	175	1,010
2018	177	160	177	212	166	10	-160	-156	-78	134	172	178	991
2019	180	163	180	213	163	3	-170	-166	-85	134	175	181	972
2020	184	166	184	242	211	36	-161	-163	-81	146	178	184	1,125
2021	186	168	186	256	234	54	-152	-157	-76	152	180	186	1,216
2022	188	169	188	270	258	73	-143	-151	-70	159	182	188	1,309
2023	190	171	190	285	283	93	-134	-145	-65	166	183	190	1,405
2024	192	173	192	300	308	113	-124	-139	-59	172	185	191	1,504
2025	194	175	194	315	334	133	-115	-132	-53	180	187	194	1,606
2026	196	177	196	331	361	155	-104	-125	-47	187	189	196	1,711
2027	198	179	198	348	389	176	-94	-118	-41	194	191	198	1,820
2028	200	181	201	365	418	199	-83	-111	-34	202	194	200	1,932
2029	203	183	203	382	447	222	-72	-103	-27	210	196	202	2,047
2030	205	185	206	400	477	246	-60	-95	-20	218	198	205	2,166
2031	207	187	208	412	498	262	-52	-90	-16	224	200	206	2,246
2032	209	189	209	425	519	279	-44	-85	-11	230	201	208	2,328
2033	210	190	211	437	541	296	-36	-80	-6	236	203	209	2,411
2034	212	192	213	450	563	313	-28	-75	-1	242	205	211	2,496
2035	214	193	215	464	585	331	-20	-69	4	248	206	213	2,583
2036	216	195	217	477	608	349	-11	-63	9	254	208	215	2,672
2037	218	197	219	491	631	367	-3	-57	14	260	210	216	2,762
2038	220	198	221	505	655	386	6	-52	19	267	212	218	2,855
2039	222	200	223	519	679	405	16	-45	25	273	213	220	2,949
2040	224	202	225	534	704	424	25	-39	30	280	215	222	3,046
2041	225	203	226	544	721	437	30	-36	33	284	216	223	3,109
2042	226	204	228	555	739	450	36	-33	36	289	218	225	3,173
2043	228	206	229	565	757	464	41	-30	40	294	219	226	3,238
2044	229	207	230	576	775	477	47	-26	43	298	220	227	3,304
2045	231	208	232	587	793	491	52	-23	46	303	222	229	3,371
2046	232	210	233	598	811	505	58	-19	49	308	223	230	3,439
2047	234	211	235	609	830	519	64	-16	53	313	224	231	3,508
2048	235	212	236	621	849	534	70	-12	56	318	226	233	3,578
2049	237	214	238	632	868	549	76	-9	59	323	227	234	3,648
2050	238	215	240	644	888	563	82	-5	63	328	229	236	3,720
2051	240	216	241	655	906	577	88	-1	66	333	230	237	3,788
2052	241	218	243	666	925	591	94	2	70	338	231	238	3,857
2053	242	219	244	677	943	606	100	6	73	343	233	240	3,926
2054	244	220	246	688	962	620	107	10	77	348	234	241	3,997
2055	245	222	247	700	981	635	113	14	81	353	236	243	4,068
2056	247	223	249	711	1,001	650	119	18	84	358	237	244	4,140
2057	249	224	250	723	1,020	665	126	22	88	363	238	246	4,214
2058	250	226	252	735	1,040	680	132	26	92	368	240	247	4,288
2059	252	227	254	747	1,061	695	139	30	96	374	241	249	4,363
2060	253	229	255	759	1,081	711	146	34	99	379	243	250	4,440
2061	255	230	257	771	1,102	727	153	39	104	385	244	252	4,520
2062	257	232	259	784	1,123	744	161	44	108	390	246	253	4,601
2063	258	233	261	797	1,145	760	168	49	113	396	248	255	4,683
2064	260	235	262	810	1,167	777	176	54	117	402	249	257	4,767
2065	262	237	264	823	1,189	795	184	59	122	408	251	258	4,851

ROCKY RIDGE

Explanation of Supply and Demand Tables – Rocky Ridge Town

Rocky Ridge Table 1: Springs. Reports dependable flow (in gpm) determined from Town Master Plan or conversations with Town personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Rocky Ridge Table 2: ULS. ULS water is not available for the Town of Rocky Ridge, therefore this table consists of all zeros.

Rocky Ridge Table 3: Strawberry Valley Project. Strawberry Valley Project (SVP) water is not available for the Town of Rocky Ridge, therefore this table consists of all zeros.

Rocky Ridge Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Rocky Ridge Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the Town. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Rocky Ridge Table 6: Reuse. The Town currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the Town files and receives approval of reuse applications.

Rocky Ridge Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the Town will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Rocky Ridge Table 8: Spanish Fork River. No Spanish Fork river water is provided to the Town, therefore this table consists of all zeros.

Rocky Ridge Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Rocky Ridge Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the Town to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Rocky Ridge, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Rocky Ridge Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the Town to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Rocky Ridge, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Rocky Ridge Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Rocky Ridge Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Rocky Ridge Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Rocky Ridge Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Rocky Ridge Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Rocky Ridge Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Rocky Ridge Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to

0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Rocky Ridge Table 19: Additional Groundwater – no ag conversion. This table is an alternate scenario from that of Table 7. The difference between this table and Table 7 is that this table assumes that, as agriculture is a primary industry for Rocky Ridge, agricultural land will not develop. Under this circumstance, no additional groundwater beyond the Town's current water rights will be pumped.

Rocky Ridge Table 20: Remaining Available Supply – Current Use – Outdoor – no ag conversion. Compare to Table 25. Additional groundwater is limited to the Town's current water rights.

Rocky Ridge Table 21: Remaining Available Supply – Conservation – Outdoor – no ag conversion. Compare to Table 28. Additional groundwater is limited to the Town's current water rights.

Rocky Ridge Table 22: Remaining Available Supply – Growing Conservation – Outdoor – no ag conversion. Compare to Table 31. Additional groundwater is limited to the Town's current water rights.

Rocky Ridge Table 23: Irrigation Shares – no conversion. This table is an alternate scenario from that of Table 9. The difference between this table and Table 9 is that this table assumes that, as agriculture is a primary industry for Rocky Ridge, agricultural land will not develop. Under this circumstance, no additional irrigation shares will convert to the Town.

Rocky Ridge Table 24: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Rocky Ridge Table 25: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Rocky Ridge Table 26: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Rocky Ridge Table 27: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Rocky Ridge Table 28: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Rocky Ridge Table 29: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Rocky Ridge Table 30: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater

(Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Rocky Ridge Table 31: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Rocky Ridge Table 32: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Rocky Ridge Table 1

Rocky Ridge													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Rocky Ridge Table 2

Rocky Ridge													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Rocky Ridge Table 3

Rocky Ridge													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Rocky Ridge Table 4

Rocky Ridge													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Rocky Ridge Table 5

Rocky Ridge													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	7	6	7	6	8	8	9	9	7	7	6	6	85
2017	7	6	7	6	8	8	9	9	7	7	6	6	85
2018	7	6	7	6	8	8	9	9	7	7	6	6	85
2019	7	6	7	6	8	8	9	9	7	7	6	6	85
2020	7	6	7	6	8	8	9	9	7	7	6	6	85
2021	7	6	7	6	8	8	9	9	7	7	6	6	85
2022	7	6	7	6	8	8	9	9	7	7	6	6	85
2023	7	6	7	6	8	8	9	9	7	7	6	6	85
2024	7	6	7	6	8	8	9	9	7	7	6	6	85
2025	7	6	7	6	8	8	9	9	7	7	6	6	85
2026	7	6	7	6	8	8	9	9	7	7	6	6	85
2027	7	6	7	6	8	8	9	9	7	7	6	6	85
2028	7	6	7	6	8	8	9	9	7	7	6	6	85
2029	7	6	7	6	8	8	9	9	7	7	6	6	85
2030	7	6	7	6	8	8	9	9	7	7	6	6	85
2031	7	6	7	6	8	8	9	9	7	7	6	6	85
2032	7	6	7	6	8	8	9	9	7	7	6	6	85
2033	7	6	7	6	8	8	9	9	7	7	6	6	85
2034	7	6	7	6	8	8	9	9	7	7	6	6	85
2035	7	6	7	6	8	8	9	9	7	7	6	6	85
2036	7	6	7	6	8	8	9	9	7	7	6	6	85
2037	7	6	7	6	8	8	9	9	7	7	6	6	85
2038	7	6	7	6	8	8	9	9	7	7	6	6	85
2039	7	6	7	6	8	8	9	9	7	7	6	6	85
2040	7	6	7	6	8	8	9	9	7	7	6	6	85
2041	7	6	7	6	8	8	9	9	7	7	6	6	85
2042	7	6	7	6	8	8	9	9	7	7	6	6	85
2043	7	6	7	6	8	8	9	9	7	7	6	6	85
2044	7	6	7	6	8	8	9	9	7	7	6	6	85
2045	7	6	7	6	8	8	9	9	7	7	6	6	85
2046	7	6	7	6	8	8	9	9	7	7	6	6	85
2047	7	6	7	6	8	8	9	9	7	7	6	6	85
2048	7	6	7	6	8	8	9	9	7	7	6	6	85
2049	7	6	7	6	8	8	9	9	7	7	6	6	85
2050	7	6	7	6	8	8	9	9	7	7	6	6	85
2051	7	6	7	6	8	8	9	9	7	7	6	6	85
2052	7	6	7	6	8	8	9	9	7	7	6	6	85
2053	7	6	7	6	8	8	9	9	7	7	6	6	85
2054	7	6	7	6	8	8	9	9	7	7	6	6	85
2055	7	6	7	6	8	8	9	9	7	7	6	6	85
2056	7	6	7	6	8	8	9	9	7	7	6	6	85
2057	7	6	7	6	8	8	9	9	7	7	6	6	85
2058	7	6	7	6	8	8	9	9	7	7	6	6	85
2059	7	6	7	6	8	8	9	9	7	7	6	6	85
2060	7	6	7	6	8	8	9	9	7	7	6	6	85
2061	7	6	7	6	8	8	9	9	7	7	6	6	85
2062	7	6	7	6	8	8	9	9	7	7	6	6	85
2063	7	6	7	6	8	8	9	9	7	7	6	6	85
2064	7	6	7	6	8	8	9	9	7	7	6	6	85
2065	7	6	7	6	8	8	9	9	7	7	6	6	85

Rocky Ridge Table 6

Rocky Ridge													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Rocky Ridge Table 7

Rocky Ridge													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	1	1	1	1	0	0	0	3
2019	0	0	0	0	1	1	1	1	1	0	0	0	6
2020	0	0	0	0	1	2	2	2	2	0	0	0	9
2021	0	0	0	0	1	2	2	2	2	0	0	0	10
2022	0	0	0	0	1	2	2	2	2	0	0	0	10
2023	0	0	0	0	1	2	2	2	2	1	0	0	11
2024	0	0	0	0	1	2	3	2	2	1	0	0	11
2025	0	0	0	0	1	2	3	2	2	1	0	0	11
2026	0	0	0	0	1	2	3	3	2	1	0	0	12
2027	0	0	0	0	1	2	3	3	2	1	0	0	12
2028	0	0	0	0	1	2	3	3	2	1	0	0	13
2029	0	0	0	0	1	2	3	3	2	1	0	0	13
2030	0	0	0	0	2	2	3	3	2	1	0	0	13
2031	0	0	0	1	2	3	4	3	3	1	0	0	16
2032	0	0	0	1	2	3	4	4	3	1	0	0	18
2033	0	0	0	1	2	4	5	5	3	1	0	0	20
2034	0	0	0	1	3	4	5	5	4	1	0	0	23
2035	0	0	0	1	3	5	6	6	4	1	0	0	25
2036	0	0	0	1	3	5	7	6	5	1	0	0	28
2037	0	0	0	1	3	5	7	7	5	1	0	0	30
2038	0	0	0	1	4	6	8	7	6	2	0	0	33
2039	0	0	0	1	4	6	8	8	6	2	0	0	36
2040	0	0	0	1	4	7	9	8	6	2	0	0	38
2041	0	0	0	1	5	7	10	9	7	2	0	0	40
2042	0	0	0	2	5	8	10	9	7	2	0	0	42
2043	0	0	0	2	5	8	10	10	7	2	0	0	44
2044	0	0	0	2	5	8	11	10	8	2	0	0	46
2045	0	0	0	2	5	9	11	11	8	2	0	0	49
2046	0	0	0	2	6	9	12	11	9	2	0	0	51
2047	0	0	0	2	6	9	12	12	9	3	0	0	53
2048	0	0	0	2	6	10	13	12	9	3	0	0	55
2049	0	0	0	2	6	10	13	13	10	3	0	0	57
2050	0	0	0	2	7	11	14	13	10	3	0	0	59
2051	0	0	0	2	7	11	15	14	10	3	0	0	61
2052	0	0	0	2	7	11	15	14	11	3	0	0	64
2053	0	0	0	2	7	12	15	14	11	3	0	0	66
2054	0	0	0	2	8	12	16	15	11	3	0	0	68
2055	0	0	0	3	8	12	17	15	12	3	0	0	70
2056	0	0	0	3	8	13	17	16	12	4	0	0	72
2057	0	0	0	3	8	13	18	16	12	4	0	0	74
2058	0	0	0	3	9	14	18	17	13	4	0	0	77
2059	0	0	0	3	9	14	19	17	13	4	0	0	79
2060	0	0	0	3	9	14	19	18	14	4	0	0	81
2061	0	0	0	3	9	15	20	18	14	4	0	0	84
2062	0	0	0	3	10	15	20	19	14	4	0	0	86
2063	0	0	0	3	10	16	21	19	15	4	0	0	88
2064	0	0	0	3	10	16	21	20	15	4	0	0	91
2065	0	0	0	3	11	17	22	21	16	5	0	0	93

Rocky Ridge Table 8

Rocky Ridge													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Rocky Ridge Table 9

Rocky Ridge													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Rocky Ridge Table 10

Rocky Ridge													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	3	2	3	3	3	4	4	4	3	3	3	3	36
2018	3	3	3	3	3	4	4	4	3	3	3	3	37
2019	3	3	3	3	3	4	4	4	3	3	3	3	38
2020	3	3	3	3	3	4	4	4	3	3	3	3	39
2021	3	3	3	3	3	4	4	4	3	3	3	3	39
2022	3	3	3	3	3	4	4	4	3	3	3	3	39
2023	3	3	3	3	3	4	4	4	3	3	3	3	39
2024	3	3	3	3	3	4	4	4	3	3	3	3	39
2025	3	3	3	3	4	4	4	4	3	3	3	3	40
2026	3	3	3	3	4	4	4	4	3	3	3	3	40
2027	3	3	3	3	4	4	4	4	4	3	3	3	40
2028	3	3	3	3	4	4	4	4	4	3	3	3	40
2029	3	3	3	3	4	4	4	4	4	3	3	3	40
2030	3	3	3	3	4	4	4	4	4	3	3	3	40
2031	3	3	3	3	4	4	4	4	4	3	3	3	41
2032	3	3	3	3	4	4	4	4	4	3	3	3	42
2033	3	3	3	3	4	4	4	4	4	3	3	3	43
2034	3	3	3	3	4	4	5	4	4	3	3	3	43
2035	3	3	4	3	4	4	5	4	4	3	3	3	44
2036	3	3	4	3	4	4	5	5	4	3	3	3	45
2037	4	3	4	3	4	5	5	5	4	4	3	3	46
2038	4	3	4	3	4	5	5	5	4	4	3	3	47
2039	4	3	4	3	4	5	5	5	4	4	3	3	48
2040	4	3	4	4	4	5	5	5	4	4	3	4	49
2041	4	3	4	4	4	5	5	5	4	4	4	4	49
2042	4	3	4	4	4	5	5	5	4	4	4	4	50
2043	4	4	4	4	4	5	5	5	4	4	4	4	51
2044	4	4	4	4	5	5	5	5	5	4	4	4	51
2045	4	4	4	4	5	5	5	5	5	4	4	4	52
2046	4	4	4	4	5	5	6	5	5	4	4	4	53
2047	4	4	4	4	5	5	6	5	5	4	4	4	54
2048	4	4	4	4	5	5	6	5	5	4	4	4	54
2049	4	4	4	4	5	5	6	6	5	4	4	4	55
2050	4	4	4	4	5	6	6	6	5	4	4	4	56
2051	4	4	4	4	5	6	6	6	5	4	4	4	57
2052	4	4	5	4	5	6	6	6	5	4	4	4	57
2053	4	4	5	4	5	6	6	6	5	4	4	4	58
2054	5	4	5	4	5	6	6	6	5	4	4	4	59
2055	5	4	5	4	5	6	6	6	5	5	4	4	59
2056	5	4	5	4	5	6	6	6	5	5	4	4	60
2057	5	4	5	4	5	6	6	6	5	5	4	4	61
2058	5	4	5	4	5	6	6	6	5	5	4	4	62
2059	5	4	5	5	6	6	7	6	5	5	4	5	62
2060	5	4	5	5	6	6	7	6	6	5	5	5	63
2061	5	4	5	5	6	6	7	6	6	5	5	5	64
2062	5	4	5	5	6	6	7	7	6	5	5	5	65
2063	5	5	5	5	6	7	7	7	6	5	5	5	66
2064	5	5	5	5	6	7	7	7	6	5	5	5	67
2065	5	5	5	5	6	7	7	7	6	5	5	5	67

Rocky Ridge Table 11

Rocky Ridge													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	2	5	8	10	9	7	2	0	0	43
2018	0	0	0	2	5	8	10	10	7	2	0	0	44
2019	0	0	0	2	5	8	11	10	8	2	0	0	45
2020	0	0	0	2	5	8	11	10	8	2	0	0	47
2021	0	0	0	2	5	8	11	10	8	2	0	0	47
2022	0	0	0	2	5	8	11	10	8	2	0	0	47
2023	0	0	0	2	5	8	11	10	8	2	0	0	48
2024	0	0	0	2	5	9	11	11	8	2	0	0	48
2025	0	0	0	2	5	9	11	11	8	2	0	0	48
2026	0	0	0	2	5	9	11	11	8	2	0	0	48
2027	0	0	0	2	6	9	12	11	8	2	0	0	49
2028	0	0	0	2	6	9	12	11	8	2	0	0	49
2029	0	0	0	2	6	9	12	11	8	2	0	0	49
2030	0	0	0	2	6	9	12	11	8	2	0	0	50
2031	0	0	0	2	6	9	12	11	9	2	0	0	51
2032	0	0	0	2	6	9	12	11	9	3	0	0	52
2033	0	0	0	2	6	9	12	12	9	3	0	0	53
2034	0	0	0	2	6	10	13	12	9	3	0	0	54
2035	0	0	0	2	6	10	13	12	9	3	0	0	55
2036	0	0	0	2	6	10	13	12	9	3	0	0	56
2037	0	0	0	2	6	10	14	13	10	3	0	0	57
2038	0	0	0	2	7	10	14	13	10	3	0	0	59
2039	0	0	0	2	7	11	14	13	10	3	0	0	60
2040	0	0	0	2	7	11	14	13	10	3	0	0	61
2041	0	0	0	2	7	11	15	14	10	3	0	0	62
2042	0	0	0	2	7	11	15	14	11	3	0	0	63
2043	0	0	0	2	7	11	15	14	11	3	0	0	64
2044	0	0	0	2	7	12	15	14	11	3	0	0	65
2045	0	0	0	2	7	12	16	15	11	3	0	0	66
2046	0	0	0	2	8	12	16	15	11	3	0	0	67
2047	0	0	0	2	8	12	16	15	11	3	0	0	68
2048	0	0	0	2	8	12	16	15	12	3	0	0	69
2049	0	0	0	3	8	13	17	15	12	3	0	0	70
2050	0	0	0	3	8	13	17	16	12	4	0	0	72
2051	0	0	0	3	8	13	17	16	12	4	0	0	73
2052	0	0	0	3	8	13	17	16	12	4	0	0	74
2053	0	0	0	3	8	13	18	16	13	4	0	0	75
2054	0	0	0	3	9	13	18	17	13	4	0	0	76
2055	0	0	0	3	9	14	18	17	13	4	0	0	77
2056	0	0	0	3	9	14	18	17	13	4	0	0	78
2057	0	0	0	3	9	14	19	17	13	4	0	0	79
2058	0	0	0	3	9	14	19	18	13	4	0	0	80
2059	0	0	0	3	9	15	19	18	14	4	0	0	81
2060	0	0	0	3	9	15	20	18	14	4	0	0	83
2061	0	0	0	3	9	15	20	18	14	4	0	0	84
2062	0	0	0	3	10	15	20	19	14	4	0	0	85
2063	0	0	0	3	10	15	20	19	15	4	0	0	86
2064	0	0	0	3	10	16	21	19	15	4	0	0	88
1905	0	0	0	3	10	16	21	20	15	4	0	0	89

Rocky Ridge Table 12

Rocky Ridge													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	3	2	3	4	8	11	14	13	10	5	3	3	78
2018	3	3	3	4	8	11	14	13	11	5	3	3	81
2019	3	3	3	4	8	12	15	14	11	5	3	3	83
2020	3	3	3	5	9	12	15	14	11	5	3	3	86
2021	3	3	3	5	9	12	15	14	11	5	3	3	86
2022	3	3	3	5	9	12	15	14	11	5	3	3	86
2023	3	3	3	5	9	12	15	14	11	5	3	3	87
2024	3	3	3	5	9	12	15	15	12	5	3	3	87
2025	3	3	3	5	9	12	16	15	12	5	3	3	88
2026	3	3	3	5	9	13	16	15	12	5	3	3	88
2027	3	3	3	5	9	13	16	15	12	5	3	3	89
2028	3	3	3	5	9	13	16	15	12	5	3	3	89
2029	3	3	3	5	9	13	16	15	12	5	3	3	89
2030	3	3	3	5	9	13	16	15	12	6	3	3	90
2031	3	3	3	5	9	13	16	15	12	6	3	3	92
2032	3	3	3	5	10	13	17	16	12	6	3	3	94
2033	3	3	3	5	10	14	17	16	13	6	3	3	95
2034	3	3	3	5	10	14	17	16	13	6	3	3	97
2035	3	3	4	5	10	14	18	17	13	6	3	3	99
2036	3	3	4	5	10	14	18	17	13	6	3	3	101
2037	4	3	4	5	11	15	18	17	14	6	3	3	103
2038	4	3	4	6	11	15	19	18	14	6	3	3	106
2039	4	3	4	6	11	15	19	18	14	7	3	3	108
2040	4	3	4	6	11	16	20	18	15	7	3	4	110
2041	4	3	4	6	11	16	20	19	15	7	4	4	112
2042	4	3	4	6	12	16	20	19	15	7	4	4	113
2043	4	4	4	6	12	16	20	19	15	7	4	4	115
2044	4	4	4	6	12	17	21	20	15	7	4	4	117
2045	4	4	4	6	12	17	21	20	16	7	4	4	118
2046	4	4	4	6	12	17	21	20	16	7	4	4	120
2047	4	4	4	6	12	17	22	20	16	7	4	4	122
2048	4	4	4	6	13	18	22	21	16	8	4	4	124
2049	4	4	4	7	13	18	22	21	17	8	4	4	126
2050	4	4	4	7	13	18	23	21	17	8	4	4	127
2051	4	4	4	7	13	19	23	22	17	8	4	4	129
2052	4	4	5	7	13	19	23	22	17	8	4	4	131
2053	4	4	5	7	14	19	24	22	18	8	4	4	133
2054	5	4	5	7	14	19	24	23	18	8	4	4	135
2055	5	4	5	7	14	20	24	23	18	8	4	4	136
2056	5	4	5	7	14	20	25	23	18	8	4	4	138
2057	5	4	5	7	14	20	25	24	19	9	4	4	140
2058	5	4	5	7	15	20	25	24	19	9	4	4	142
2059	5	4	5	7	15	21	26	24	19	9	4	5	144
2060	5	4	5	8	15	21	26	25	19	9	5	5	146
2061	5	4	5	8	15	21	27	25	20	9	5	5	148
2062	5	4	5	8	15	22	27	25	20	9	5	5	150
2063	5	5	5	8	16	22	27	26	20	9	5	5	152
2064	5	5	5	8	16	22	28	26	21	9	5	5	154
1905	5	5	5	8	16	22	28	26	21	10	5	5	156

Rocky Ridge Table 13

Rocky Ridge													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	3	2	3	3	3	4	4	4	3	3	3	3	36
2018	3	3	3	3	3	4	4	4	3	3	3	3	37
2019	3	3	3	3	3	4	4	4	3	3	3	3	38
2020	3	3	3	3	3	4	4	4	3	3	3	3	39
2021	3	3	3	3	3	4	4	4	3	3	3	3	39
2022	3	3	3	3	3	4	4	4	3	3	3	3	39
2023	3	3	3	3	3	4	4	4	3	3	3	3	39
2024	3	3	3	3	3	4	4	4	3	3	3	3	39
2025	3	3	3	3	4	4	4	4	3	3	3	3	40
2026	3	3	3	3	4	4	4	4	3	3	3	3	40
2027	3	3	3	3	4	4	4	4	4	3	3	3	40
2028	3	3	3	3	4	4	4	4	4	3	3	3	40
2029	3	3	3	3	4	4	4	4	4	3	3	3	40
2030	3	3	3	3	4	4	4	4	4	3	3	3	40
2031	3	3	3	3	4	4	4	4	4	3	3	3	41
2032	3	3	3	3	4	4	4	4	4	3	3	3	42
2033	3	3	3	3	4	4	4	4	4	3	3	3	43
2034	3	3	3	3	4	4	5	4	4	3	3	3	43
2035	3	3	4	3	4	4	5	4	4	3	3	3	44
2036	3	3	4	3	4	4	5	5	4	3	3	3	45
2037	4	3	4	3	4	5	5	5	4	4	3	3	46
2038	4	3	4	3	4	5	5	5	4	4	3	3	47
2039	4	3	4	3	4	5	5	5	4	4	3	3	48
2040	4	3	4	4	4	5	5	5	4	4	3	4	49
2041	4	3	4	4	4	5	5	5	4	4	4	4	49
2042	4	3	4	4	4	5	5	5	4	4	4	4	50
2043	4	4	4	4	4	5	5	5	4	4	4	4	51
2044	4	4	4	4	5	5	5	5	5	4	4	4	51
2045	4	4	4	4	5	5	5	5	5	4	4	4	52
2046	4	4	4	4	5	5	6	5	5	4	4	4	53
2047	4	4	4	4	5	5	6	5	5	4	4	4	54
2048	4	4	4	4	5	5	6	5	5	4	4	4	54
2049	4	4	4	4	5	5	6	6	5	4	4	4	55
2050	4	4	4	4	5	6	6	6	5	4	4	4	56
2051	4	4	4	4	5	6	6	6	5	4	4	4	57
2052	4	4	5	4	5	6	6	6	5	4	4	4	57
2053	4	4	5	4	5	6	6	6	5	4	4	4	58
2054	5	4	5	4	5	6	6	6	5	4	4	4	59
2055	5	4	5	4	5	6	6	6	5	5	4	4	59
2056	5	4	5	4	5	6	6	6	5	5	4	4	60
2057	5	4	5	4	5	6	6	6	5	5	4	4	61
2058	5	4	5	4	5	6	6	6	5	5	4	4	62
2059	5	4	5	5	6	6	7	6	5	5	4	5	62
2060	5	4	5	5	6	6	7	6	6	5	5	5	63
2061	5	4	5	5	6	6	7	6	6	5	5	5	64
2062	5	4	5	5	6	6	7	7	6	5	5	5	65
2063	5	5	5	5	6	7	7	7	6	5	5	5	66
2064	5	5	5	5	6	7	7	7	6	5	5	5	67
2065	5	5	5	5	6	7	7	7	6	5	5	5	67

Rocky Ridge Table 14

Rocky Ridge													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	2	5	8	10	9	7	2	0	0	43
2018	0	0	0	2	5	8	10	10	7	2	0	0	44
2019	0	0	0	2	5	8	11	10	8	2	0	0	45
2020	0	0	0	2	5	8	11	10	8	2	0	0	47
2021	0	0	0	2	5	8	11	10	8	2	0	0	47
2022	0	0	0	2	5	8	11	10	8	2	0	0	47
2023	0	0	0	2	5	8	11	10	8	2	0	0	48
2024	0	0	0	2	5	9	11	11	8	2	0	0	48
2025	0	0	0	2	5	9	11	11	8	2	0	0	48
2026	0	0	0	2	5	9	11	11	8	2	0	0	48
2027	0	0	0	2	6	9	12	11	8	2	0	0	49
2028	0	0	0	2	6	9	12	11	8	2	0	0	49
2029	0	0	0	2	6	9	12	11	8	2	0	0	49
2030	0	0	0	2	6	9	12	11	8	2	0	0	50
2031	0	0	0	2	6	9	12	11	9	2	0	0	51
2032	0	0	0	2	6	9	12	11	9	3	0	0	52
2033	0	0	0	2	6	9	12	12	9	3	0	0	53
2034	0	0	0	2	6	10	13	12	9	3	0	0	54
2035	0	0	0	2	6	10	13	12	9	3	0	0	55
2036	0	0	0	2	6	10	13	12	9	3	0	0	56
2037	0	0	0	2	6	10	14	13	10	3	0	0	57
2038	0	0	0	2	7	10	14	13	10	3	0	0	59
2039	0	0	0	2	7	11	14	13	10	3	0	0	60
2040	0	0	0	2	7	11	14	13	10	3	0	0	61
2041	0	0	0	2	7	11	15	14	10	3	0	0	62
2042	0	0	0	2	7	11	15	14	11	3	0	0	63
2043	0	0	0	2	7	11	15	14	11	3	0	0	64
2044	0	0	0	2	7	12	15	14	11	3	0	0	65
2045	0	0	0	2	7	12	16	15	11	3	0	0	66
2046	0	0	0	2	8	12	16	15	11	3	0	0	67
2047	0	0	0	2	8	12	16	15	11	3	0	0	68
2048	0	0	0	2	8	12	16	15	12	3	0	0	69
2049	0	0	0	3	8	13	17	15	12	3	0	0	70
2050	0	0	0	3	8	13	17	16	12	4	0	0	72
2051	0	0	0	3	8	13	17	16	12	4	0	0	73
2052	0	0	0	3	8	13	17	16	12	4	0	0	74
2053	0	0	0	3	8	13	18	16	13	4	0	0	75
2054	0	0	0	3	9	13	18	17	13	4	0	0	76
2055	0	0	0	3	9	14	18	17	13	4	0	0	77
2056	0	0	0	3	9	14	18	17	13	4	0	0	78
2057	0	0	0	3	9	14	19	17	13	4	0	0	79
2058	0	0	0	3	9	14	19	18	13	4	0	0	80
2059	0	0	0	3	9	15	19	18	14	4	0	0	81
2060	0	0	0	3	9	15	20	18	14	4	0	0	83
2061	0	0	0	3	9	15	20	18	14	4	0	0	84
2062	0	0	0	3	10	15	20	19	14	4	0	0	85
2063	0	0	0	3	10	15	20	19	15	4	0	0	86
2064	0	0	0	3	10	16	21	19	15	4	0	0	88
1905	0	0	0	3	10	16	21	20	15	4	0	0	89

Rocky Ridge Table 15

Rocky Ridge													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	3	2	3	4	8	11	14	13	10	5	3	3	78
2018	3	3	3	4	8	11	14	13	11	5	3	3	81
2019	3	3	3	4	8	12	15	14	11	5	3	3	83
2020	3	3	3	5	9	12	15	14	11	5	3	3	86
2021	3	3	3	5	9	12	15	14	11	5	3	3	86
2022	3	3	3	5	9	12	15	14	11	5	3	3	86
2023	3	3	3	5	9	12	15	14	11	5	3	3	87
2024	3	3	3	5	9	12	15	15	12	5	3	3	87
2025	3	3	3	5	9	12	16	15	12	5	3	3	88
2026	3	3	3	5	9	13	16	15	12	5	3	3	88
2027	3	3	3	5	9	13	16	15	12	5	3	3	89
2028	3	3	3	5	9	13	16	15	12	5	3	3	89
2029	3	3	3	5	9	13	16	15	12	5	3	3	89
2030	3	3	3	5	9	13	16	15	12	6	3	3	90
2031	3	3	3	5	9	13	16	15	12	6	3	3	92
2032	3	3	3	5	10	13	17	16	12	6	3	3	94
2033	3	3	3	5	10	14	17	16	13	6	3	3	95
2034	3	3	3	5	10	14	17	16	13	6	3	3	97
2035	3	3	4	5	10	14	18	17	13	6	3	3	99
2036	3	3	4	5	10	14	18	17	13	6	3	3	101
2037	4	3	4	5	11	15	18	17	14	6	3	3	103
2038	4	3	4	6	11	15	19	18	14	6	3	3	106
2039	4	3	4	6	11	15	19	18	14	7	3	3	108
2040	4	3	4	6	11	16	20	18	15	7	3	4	110
2041	4	3	4	6	11	16	20	19	15	7	4	4	112
2042	4	3	4	6	12	16	20	19	15	7	4	4	113
2043	4	4	4	6	12	16	20	19	15	7	4	4	115
2044	4	4	4	6	12	17	21	20	15	7	4	4	117
2045	4	4	4	6	12	17	21	20	16	7	4	4	118
2046	4	4	4	6	12	17	21	20	16	7	4	4	120
2047	4	4	4	6	12	17	22	20	16	7	4	4	122
2048	4	4	4	6	13	18	22	21	16	8	4	4	124
2049	4	4	4	7	13	18	22	21	17	8	4	4	126
2050	4	4	4	7	13	18	23	21	17	8	4	4	127
2051	4	4	4	7	13	19	23	22	17	8	4	4	129
2052	4	4	5	7	13	19	23	22	17	8	4	4	131
2053	4	4	5	7	14	19	24	22	18	8	4	4	133
2054	5	4	5	7	14	19	24	23	18	8	4	4	135
2055	5	4	5	7	14	20	24	23	18	8	4	4	136
2056	5	4	5	7	14	20	25	23	18	8	4	4	138
2057	5	4	5	7	14	20	25	24	19	9	4	4	140
2058	5	4	5	7	15	20	25	24	19	9	4	4	142
2059	5	4	5	7	15	21	26	24	19	9	4	5	144
2060	5	4	5	8	15	21	26	25	19	9	5	5	146
2061	5	4	5	8	15	21	27	25	20	9	5	5	148
2062	5	4	5	8	15	22	27	25	20	9	5	5	150
2063	5	5	5	8	16	22	27	26	20	9	5	5	152
2064	5	5	5	8	16	22	28	26	21	9	5	5	154
1905	5	5	5	8	16	22	28	26	21	10	5	5	156

Rocky Ridge Table 16

Rocky Ridge													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	3	2	3	3	3	4	4	4	3	3	3	3	36
2018	3	3	3	3	3	4	4	4	3	3	3	3	37
2019	3	3	3	3	3	4	4	4	3	3	3	3	38
2020	3	3	3	3	3	4	4	4	3	3	3	3	39
2021	3	3	3	3	3	4	4	4	3	3	3	3	39
2022	3	3	3	3	3	4	4	4	3	3	3	3	39
2023	3	3	3	3	3	4	4	4	3	3	3	3	39
2024	3	3	3	3	3	4	4	4	3	3	3	3	39
2025	3	3	3	3	4	4	4	4	3	3	3	3	40
2026	3	3	3	3	4	4	4	4	3	3	3	3	40
2027	3	3	3	3	4	4	4	4	4	3	3	3	40
2028	3	3	3	3	4	4	4	4	4	3	3	3	40
2029	3	3	3	3	4	4	4	4	4	3	3	3	40
2030	3	3	3	3	4	4	4	4	4	3	3	3	40
2031	3	3	3	3	4	4	4	4	4	3	3	3	41
2032	3	3	3	3	4	4	4	4	4	3	3	3	42
2033	3	3	3	3	4	4	4	4	4	3	3	3	43
2034	3	3	3	3	4	4	5	4	4	3	3	3	43
2035	3	3	4	3	4	4	5	4	4	3	3	3	44
2036	3	3	4	3	4	4	5	5	4	3	3	3	45
2037	4	3	4	3	4	5	5	5	4	4	3	3	46
2038	4	3	4	3	4	5	5	5	4	4	3	3	47
2039	4	3	4	3	4	5	5	5	4	4	3	3	48
2040	4	3	4	4	4	5	5	5	4	4	3	4	49
2041	4	3	4	4	4	5	5	5	4	4	4	4	49
2042	4	3	4	4	4	5	5	5	4	4	4	4	50
2043	4	4	4	4	4	5	5	5	4	4	4	4	51
2044	4	4	4	4	5	5	5	5	5	4	4	4	51
2045	4	4	4	4	5	5	5	5	5	4	4	4	52
2046	4	4	4	4	5	5	6	5	5	4	4	4	53
2047	4	4	4	4	5	5	6	5	5	4	4	4	54
2048	4	4	4	4	5	5	6	5	5	4	4	4	54
2049	4	4	4	4	5	5	6	6	5	4	4	4	55
2050	4	4	4	4	5	6	6	6	5	4	4	4	56
2051	4	4	4	4	5	6	6	6	5	4	4	4	57
2052	4	4	5	4	5	6	6	6	5	4	4	4	57
2053	4	4	5	4	5	6	6	6	5	4	4	4	58
2054	5	4	5	4	5	6	6	6	5	4	4	4	59
2055	5	4	5	4	5	6	6	6	5	5	4	4	59
2056	5	4	5	4	5	6	6	6	5	5	4	4	60
2057	5	4	5	4	5	6	6	6	5	5	4	4	61
2058	5	4	5	4	5	6	6	6	5	5	4	4	62
2059	5	4	5	5	6	6	7	6	5	5	4	5	62
2060	5	4	5	5	6	6	7	6	6	5	5	5	63
2061	5	4	5	5	6	6	7	6	6	5	5	5	64
2062	5	4	5	5	6	6	7	7	6	5	5	5	65
2063	5	5	5	5	6	7	7	7	6	5	5	5	66
2064	5	5	5	5	6	7	7	7	6	5	5	5	67
2065	5	5	5	5	6	7	7	7	6	5	5	5	67

Rocky Ridge Table 17

Rocky Ridge													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	2	5	8	10	9	7	2	0	0	43
2018	0	0	0	2	5	8	10	10	7	2	0	0	44
2019	0	0	0	2	5	8	11	10	8	2	0	0	45
2020	0	0	0	2	5	8	11	10	8	2	0	0	47
2021	0	0	0	2	5	8	11	10	8	2	0	0	47
2022	0	0	0	2	5	8	11	10	8	2	0	0	47
2023	0	0	0	2	5	8	11	10	8	2	0	0	48
2024	0	0	0	2	5	9	11	11	8	2	0	0	48
2025	0	0	0	2	5	9	11	11	8	2	0	0	48
2026	0	0	0	2	5	9	11	11	8	2	0	0	48
2027	0	0	0	2	6	9	12	11	8	2	0	0	49
2028	0	0	0	2	6	9	12	11	8	2	0	0	49
2029	0	0	0	2	6	9	12	11	8	2	0	0	49
2030	0	0	0	2	6	9	12	11	8	2	0	0	50
2031	0	0	0	2	6	9	12	11	9	2	0	0	51
2032	0	0	0	2	6	9	12	11	9	3	0	0	52
2033	0	0	0	2	6	9	12	12	9	3	0	0	53
2034	0	0	0	2	6	10	13	12	9	3	0	0	54
2035	0	0	0	2	6	10	13	12	9	3	0	0	55
2036	0	0	0	2	6	10	13	12	9	3	0	0	56
2037	0	0	0	2	6	10	14	13	10	3	0	0	57
2038	0	0	0	2	7	10	14	13	10	3	0	0	59
2039	0	0	0	2	7	11	14	13	10	3	0	0	60
2040	0	0	0	2	7	11	14	13	10	3	0	0	61
2041	0	0	0	2	7	11	15	14	10	3	0	0	62
2042	0	0	0	2	7	11	15	14	11	3	0	0	63
2043	0	0	0	2	7	11	15	14	11	3	0	0	64
2044	0	0	0	2	7	12	15	14	11	3	0	0	65
2045	0	0	0	2	7	12	16	15	11	3	0	0	66
2046	0	0	0	2	8	12	16	15	11	3	0	0	67
2047	0	0	0	2	8	12	16	15	11	3	0	0	68
2048	0	0	0	2	8	12	16	15	12	3	0	0	69
2049	0	0	0	3	8	13	17	15	12	3	0	0	70
2050	0	0	0	3	8	13	17	16	12	4	0	0	72
2051	0	0	0	3	8	13	17	16	12	4	0	0	73
2052	0	0	0	3	8	13	17	16	12	4	0	0	74
2053	0	0	0	3	8	13	18	16	13	4	0	0	75
2054	0	0	0	3	9	13	18	17	13	4	0	0	76
2055	0	0	0	3	9	14	18	17	13	4	0	0	77
2056	0	0	0	3	9	14	18	17	13	4	0	0	78
2057	0	0	0	3	9	14	19	17	13	4	0	0	79
2058	0	0	0	3	9	14	19	18	13	4	0	0	80
2059	0	0	0	3	9	15	19	18	14	4	0	0	81
2060	0	0	0	3	9	15	20	18	14	4	0	0	83
2061	0	0	0	3	9	15	20	18	14	4	0	0	84
2062	0	0	0	3	10	15	20	19	14	4	0	0	85
2063	0	0	0	3	10	15	20	19	15	4	0	0	86
2064	0	0	0	3	10	16	21	19	15	4	0	0	88
1905	0	0	0	3	10	16	21	20	15	4	0	0	89

Rocky Ridge Table 18

Rocky Ridge													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	3	2	3	4	8	11	14	13	10	5	3	3	78
2018	3	3	3	4	8	11	14	13	11	5	3	3	81
2019	3	3	3	4	8	12	15	14	11	5	3	3	83
2020	3	3	3	5	9	12	15	14	11	5	3	3	86
2021	3	3	3	5	9	12	15	14	11	5	3	3	86
2022	3	3	3	5	9	12	15	14	11	5	3	3	86
2023	3	3	3	5	9	12	15	14	11	5	3	3	87
2024	3	3	3	5	9	12	15	15	12	5	3	3	87
2025	3	3	3	5	9	12	16	15	12	5	3	3	88
2026	3	3	3	5	9	13	16	15	12	5	3	3	88
2027	3	3	3	5	9	13	16	15	12	5	3	3	89
2028	3	3	3	5	9	13	16	15	12	5	3	3	89
2029	3	3	3	5	9	13	16	15	12	5	3	3	89
2030	3	3	3	5	9	13	16	15	12	6	3	3	90
2031	3	3	3	5	9	13	16	15	12	6	3	3	92
2032	3	3	3	5	10	13	17	16	12	6	3	3	94
2033	3	3	3	5	10	14	17	16	13	6	3	3	95
2034	3	3	3	5	10	14	17	16	13	6	3	3	97
2035	3	3	4	5	10	14	18	17	13	6	3	3	99
2036	3	3	4	5	10	14	18	17	13	6	3	3	101
2037	4	3	4	5	11	15	18	17	14	6	3	3	103
2038	4	3	4	6	11	15	19	18	14	6	3	3	106
2039	4	3	4	6	11	15	19	18	14	7	3	3	108
2040	4	3	4	6	11	16	20	18	15	7	3	4	110
2041	4	3	4	6	11	16	20	19	15	7	4	4	112
2042	4	3	4	6	12	16	20	19	15	7	4	4	113
2043	4	4	4	6	12	16	20	19	15	7	4	4	115
2044	4	4	4	6	12	17	21	20	15	7	4	4	117
2045	4	4	4	6	12	17	21	20	16	7	4	4	118
2046	4	4	4	6	12	17	21	20	16	7	4	4	120
2047	4	4	4	6	12	17	22	20	16	7	4	4	122
2048	4	4	4	6	13	18	22	21	16	8	4	4	124
2049	4	4	4	7	13	18	22	21	17	8	4	4	126
2050	4	4	4	7	13	18	23	21	17	8	4	4	127
2051	4	4	4	7	13	19	23	22	17	8	4	4	129
2052	4	4	5	7	13	19	23	22	17	8	4	4	131
2053	4	4	5	7	14	19	24	22	18	8	4	4	133
2054	5	4	5	7	14	19	24	23	18	8	4	4	135
2055	5	4	5	7	14	20	24	23	18	8	4	4	136
2056	5	4	5	7	14	20	25	23	18	8	4	4	138
2057	5	4	5	7	14	20	25	24	19	9	4	4	140
2058	5	4	5	7	15	20	25	24	19	9	4	4	142
2059	5	4	5	7	15	21	26	24	19	9	4	5	144
2060	5	4	5	8	15	21	26	25	19	9	5	5	146
2061	5	4	5	8	15	21	27	25	20	9	5	5	148
2062	5	4	5	8	15	22	27	25	20	9	5	5	150
2063	5	5	5	8	16	22	27	26	20	9	5	5	152
2064	5	5	5	8	16	22	28	26	21	9	5	5	154
1905	5	5	5	8	16	22	28	26	21	10	5	5	156

Rocky Ridge Table 19

Rocky Ridge													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	7	6	7	6	8	8	9	9	7	7	6	6	85
2017	4	3	4	4	4	5	5	5	4	4	4	4	50
2018	4	3	4	4	5	5	6	6	5	4	3	4	52
2019	4	3	4	4	5	6	6	6	5	4	3	3	54
2020	4	3	4	4	5	6	7	7	6	4	3	3	56
2021	4	3	4	4	5	6	7	7	6	4	3	3	56
2022	4	3	4	4	5	6	7	7	6	4	3	3	56
2023	4	3	4	4	5	6	7	7	6	4	3	3	57
2024	4	3	4	4	5	6	7	7	6	4	3	3	57
2025	4	3	4	4	5	7	7	7	6	4	3	3	57
2026	3	3	4	4	5	7	8	7	6	4	3	3	57
2027	3	3	4	4	5	7	8	7	6	4	3	3	58
2028	3	3	4	4	5	7	8	7	6	4	3	3	58
2029	3	3	4	4	5	7	8	7	6	4	3	3	58
2030	3	3	4	4	6	7	8	8	6	4	3	3	59
2031	3	3	3	4	6	7	8	8	7	4	3	3	60
2032	3	3	3	4	6	8	9	8	7	4	3	3	62
2033	3	3	3	4	6	8	9	9	7	4	3	3	63
2034	3	3	3	4	6	8	10	9	8	4	3	3	65
2035	3	3	3	4	6	9	10	10	8	4	3	3	66
2036	3	3	3	4	7	9	11	10	8	4	3	3	68
2037	3	3	3	4	7	9	11	11	9	4	3	3	70
2038	3	3	3	4	7	10	12	11	9	5	3	3	71
2039	3	3	3	4	7	10	12	12	9	5	3	3	73
2040	3	3	3	4	8	10	13	12	10	5	3	3	75
2041	3	2	3	4	8	11	13	13	10	5	3	3	76
2042	3	2	3	4	8	11	14	13	10	5	3	3	78
2043	3	2	3	4	8	11	14	13	10	5	2	3	79
2044	3	2	3	4	8	12	15	14	11	5	2	2	80
2045	3	2	3	4	8	12	15	14	11	5	2	2	82
2046	2	2	3	4	9	12	15	14	11	5	2	2	83
2047	2	2	3	4	9	13	16	15	12	5	2	2	84
2048	2	2	2	4	9	13	16	15	12	5	2	2	86
2049	2	2	2	4	9	13	17	16	12	5	2	2	87
2050	2	2	2	4	9	13	17	16	13	5	2	2	89
2051	2	2	2	4	9	14	18	16	13	5	2	2	90
2052	2	2	2	4	10	14	18	17	13	5	2	2	92
2053	2	2	2	4	10	14	18	17	13	5	2	2	93
2054	2	2	2	4	10	15	19	18	14	5	2	2	94
2055	2	2	2	4	10	15	19	18	14	5	2	2	96
2056	2	2	2	4	10	15	20	18	14	5	2	2	97
2057	2	2	2	4	11	16	20	19	15	6	2	2	99
2058	2	2	2	4	11	16	21	19	15	6	2	2	100
2059	2	2	2	4	11	16	21	20	15	6	2	2	102
2060	2	2	2	5	11	17	21	20	16	6	2	2	103
2061	2	1	2	5	11	17	22	21	16	6	2	2	105
2062	2	1	2	5	12	17	22	21	16	6	1	1	106
2063	2	1	2	5	12	18	23	21	17	6	1	1	108
2064	1	1	1	5	12	18	23	22	17	6	1	1	110
2065	1	1	1	5	12	18	24	22	17	6	1	1	111

Rocky Ridge Table 20

Rocky Ridge													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-2	-5	-8	-10	-9	-7	-2	0	0	-43
2018	0	0	0	-2	-5	-8	-10	-10	-7	-2	0	0	-44
2019	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-45
2020	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2021	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2022	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2023	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-48
2024	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2025	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2026	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2027	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2028	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2029	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2030	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-50
2031	0	0	0	-2	-6	-9	-12	-11	-9	-2	0	0	-51
2032	0	0	0	-2	-6	-9	-12	-11	-9	-3	0	0	-52
2033	0	0	0	-2	-6	-9	-12	-12	-9	-3	0	0	-53
2034	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-54
2035	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-55
2036	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-56
2037	0	0	0	-2	-6	-10	-14	-13	-10	-3	0	0	-57
2038	0	0	0	-2	-7	-10	-14	-13	-10	-3	0	0	-59
2039	0	0	0	-2	-7	-11	-14	-13	-10	-3	0	0	-60
2040	0	0	0	-2	-7	-11	-14	-13	-10	-3	0	0	-61
2041	0	0	0	-2	-7	-11	-15	-14	-10	-3	0	0	-62
2042	0	0	0	-2	-7	-11	-15	-14	-11	-3	0	0	-63
2043	0	0	0	-2	-7	-11	-15	-14	-11	-3	0	0	-64
2044	0	0	0	-2	-7	-12	-15	-14	-11	-3	0	0	-65
2045	0	0	0	-2	-7	-12	-16	-15	-11	-3	0	0	-66
2046	0	0	0	-2	-8	-12	-16	-15	-11	-3	0	0	-67
2047	0	0	0	-2	-8	-12	-16	-15	-11	-3	0	0	-68
2048	0	0	0	-2	-8	-12	-16	-15	-12	-3	0	0	-69
2049	0	0	0	-3	-8	-13	-17	-15	-12	-3	0	0	-70
2050	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-72
2051	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-73
2052	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-74
2053	0	0	0	-3	-8	-13	-18	-16	-13	-4	0	0	-75
2054	0	0	0	-3	-9	-13	-18	-17	-13	-4	0	0	-76
2055	0	0	0	-3	-9	-14	-18	-17	-13	-4	0	0	-77
2056	0	0	0	-3	-9	-14	-18	-17	-13	-4	0	0	-78
2057	0	0	0	-3	-9	-14	-19	-17	-13	-4	0	0	-79
2058	0	0	0	-3	-9	-14	-19	-18	-13	-4	0	0	-80
2059	0	0	0	-3	-9	-15	-19	-18	-14	-4	0	0	-81
2060	0	0	0	-3	-9	-15	-20	-18	-14	-4	0	0	-83
2061	0	0	0	-3	-9	-15	-20	-18	-14	-4	0	0	-84
2062	0	0	0	-3	-10	-15	-20	-19	-14	-4	0	0	-85
2063	0	0	0	-3	-10	-15	-20	-19	-15	-4	0	0	-86
2064	0	0	0	-3	-10	-16	-21	-19	-15	-4	0	0	-88
2065	0	0	0	-3	-10	-16	-21	-20	-15	-4	0	0	-89

Rocky Ridge Table 21

Rocky Ridge													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	7	6	7	6	8	8	9	9	7	7	6	6	85
2017	4	3	4	2	0	-3	-5	-4	-3	2	4	4	7
2018	4	3	4	2	0	-3	-5	-4	-3	2	3	4	8
2019	4	3	4	2	0	-2	-4	-4	-2	2	3	3	8
2020	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2021	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2022	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2023	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2024	4	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2025	4	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2026	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2027	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2028	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2029	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2030	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2031	3	3	3	2	0	-2	-4	-3	-2	2	3	3	9
2032	3	3	3	2	0	-2	-3	-3	-2	2	3	3	10
2033	3	3	3	2	0	-2	-3	-3	-2	2	3	3	10
2034	3	3	3	2	0	-1	-3	-3	-2	2	3	3	11
2035	3	3	3	2	0	-1	-3	-2	-1	2	3	3	11
2036	3	3	3	2	0	-1	-2	-2	-1	2	3	3	12
2037	3	3	3	2	0	-1	-2	-2	-1	2	3	3	12
2038	3	3	3	2	1	-1	-2	-2	-1	2	3	3	13
2039	3	3	3	2	1	-1	-2	-2	-1	2	3	3	13
2040	3	3	3	2	1	0	-2	-1	-1	2	3	3	14
2041	3	2	3	2	1	0	-1	-1	-1	2	3	3	14
2042	3	2	3	2	1	0	-1	-1	0	2	3	3	14
2043	3	2	3	2	1	0	-1	-1	0	2	2	3	15
2044	3	2	3	2	1	0	-1	-1	0	2	2	2	15
2045	3	2	3	2	1	0	-1	-1	0	2	2	2	15
2046	2	2	3	2	1	0	-1	0	0	2	2	2	16
2047	2	2	3	2	1	0	0	0	0	2	2	2	16
2048	2	2	2	2	1	0	0	0	0	2	2	2	17
2049	2	2	2	2	1	1	0	0	0	2	2	2	17
2050	2	2	2	2	1	1	0	0	1	2	2	2	17
2051	2	2	2	2	1	1	0	0	1	2	2	2	18
2052	2	2	2	2	1	1	1	1	1	2	2	2	18
2053	2	2	2	2	1	1	1	1	1	2	2	2	18
2054	2	2	2	2	1	1	1	1	1	2	2	2	19
2055	2	2	2	2	2	1	1	1	1	2	2	2	19
2056	2	2	2	2	2	1	1	1	1	2	2	2	19
2057	2	2	2	2	2	2	1	1	1	2	2	2	20
2058	2	2	2	2	2	2	2	2	1	2	2	2	20
2059	2	2	2	2	2	2	2	2	2	2	2	2	20
2060	2	2	2	2	2	2	2	2	2	2	2	2	21
2061	2	1	2	2	2	2	2	2	2	2	2	2	21
2062	2	1	2	2	2	2	2	2	2	2	1	1	21
2063	2	1	2	1	2	2	3	2	2	2	1	1	22
2064	1	1	1	1	2	2	3	3	2	2	1	1	22
2065	1	1	1	1	2	3	3	3	2	2	1	1	22

Rocky Ridge Table 22

Rocky Ridge													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	7	6	7	6	8	8	9	9	7	7	6	6	85
2017	4	3	4	4	4	5	5	5	4	4	4	4	50
2018	4	3	4	4	5	5	6	6	5	4	3	4	52
2019	4	3	4	4	5	6	6	6	5	4	3	3	54
2020	4	3	4	4	5	6	7	7	6	4	3	3	56
2021	4	3	4	4	5	6	7	7	6	4	3	3	56
2022	4	3	4	4	5	6	7	7	6	4	3	3	56
2023	4	3	4	4	5	6	7	7	6	4	3	3	57
2024	4	3	4	4	5	6	7	7	6	4	3	3	57
2025	4	3	4	4	5	7	7	7	6	4	3	3	57
2026	3	3	4	4	5	7	8	7	6	4	3	3	57
2027	3	3	4	4	5	7	8	7	6	4	3	3	58
2028	3	3	4	4	5	7	8	7	6	4	3	3	58
2029	3	3	4	4	5	7	8	7	6	4	3	3	58
2030	3	3	4	4	6	7	8	8	6	4	3	3	59
2031	3	3	3	4	6	7	8	8	7	4	3	3	60
2032	3	3	3	4	6	8	9	8	7	4	3	3	62
2033	3	3	3	4	6	8	9	9	7	4	3	3	63
2034	3	3	3	4	6	8	10	9	8	4	3	3	65
2035	3	3	3	4	6	9	10	10	8	4	3	3	66
2036	3	3	3	4	7	9	11	10	8	4	3	3	68
2037	3	3	3	4	7	9	11	11	9	4	3	3	70
2038	3	3	3	4	7	10	12	11	9	5	3	3	71
2039	3	3	3	4	7	10	12	12	9	5	3	3	73
2040	3	3	3	4	8	10	13	12	10	5	3	3	75
2041	3	2	3	4	8	11	13	13	10	5	3	3	76
2042	3	2	3	4	8	11	14	13	10	5	3	3	78
2043	3	2	3	4	8	11	14	13	10	5	2	3	79
2044	3	2	3	4	8	12	15	14	11	5	2	2	80
2045	3	2	3	4	8	12	15	14	11	5	2	2	82
2046	2	2	3	4	9	12	15	14	11	5	2	2	83
2047	2	2	3	4	9	13	16	15	12	5	2	2	84
2048	2	2	2	4	9	13	16	15	12	5	2	2	86
2049	2	2	2	4	9	13	17	16	12	5	2	2	87
2050	2	2	2	4	9	13	17	16	13	5	2	2	89
2051	2	2	2	4	9	14	18	16	13	5	2	2	90
2052	2	2	2	4	10	14	18	17	13	5	2	2	92
2053	2	2	2	4	10	14	18	17	13	5	2	2	93
2054	2	2	2	4	10	15	19	18	14	5	2	2	94
2055	2	2	2	4	10	15	19	18	14	5	2	2	96
2056	2	2	2	4	10	15	20	18	14	5	2	2	97
2057	2	2	2	4	11	16	20	19	15	6	2	2	99
2058	2	2	2	4	11	16	21	19	15	6	2	2	100
2059	2	2	2	4	11	16	21	20	15	6	2	2	102
2060	2	2	2	5	11	17	21	20	16	6	2	2	103
2061	2	1	2	5	11	17	22	21	16	6	2	2	105
2062	2	1	2	5	12	17	22	21	16	6	1	1	106
2063	2	1	2	5	12	18	23	21	17	6	1	1	108
2064	1	1	1	5	12	18	23	22	17	6	1	1	110
2065	1	1	1	5	12	18	24	22	17	6	1	1	111

Rocky Ridge Table 23

Rocky Ridge													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-2	-5	-8	-10	-9	-7	-2	0	0	-43
2018	0	0	0	-2	-5	-8	-10	-10	-7	-2	0	0	-44
2019	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-45
2020	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2021	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2022	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2023	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-48
2024	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2025	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2026	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2027	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2028	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2029	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2030	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-50
2031	0	0	0	-2	-6	-9	-12	-11	-9	-2	0	0	-51
2032	0	0	0	-2	-6	-9	-12	-11	-9	-3	0	0	-52
2033	0	0	0	-2	-6	-9	-12	-12	-9	-3	0	0	-53
2034	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-54
2035	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-55
2036	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-56
2037	0	0	0	-2	-6	-10	-14	-13	-10	-3	0	0	-57
2038	0	0	0	-2	-7	-10	-14	-13	-10	-3	0	0	-59
2039	0	0	0	-2	-7	-11	-14	-13	-10	-3	0	0	-60
2040	0	0	0	-2	-7	-11	-14	-13	-10	-3	0	0	-61
2041	0	0	0	-2	-7	-11	-15	-14	-10	-3	0	0	-62
2042	0	0	0	-2	-7	-11	-15	-14	-11	-3	0	0	-63
2043	0	0	0	-2	-7	-11	-15	-14	-11	-3	0	0	-64
2044	0	0	0	-2	-7	-12	-15	-14	-11	-3	0	0	-65
2045	0	0	0	-2	-7	-12	-16	-15	-11	-3	0	0	-66
2046	0	0	0	-2	-8	-12	-16	-15	-11	-3	0	0	-67
2047	0	0	0	-2	-8	-12	-16	-15	-11	-3	0	0	-68
2048	0	0	0	-2	-8	-12	-16	-15	-12	-3	0	0	-69
2049	0	0	0	-3	-8	-13	-17	-15	-12	-3	0	0	-70
2050	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-72
2051	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-73
2052	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-74
2053	0	0	0	-3	-8	-13	-18	-16	-13	-4	0	0	-75
2054	0	0	0	-3	-9	-13	-18	-17	-13	-4	0	0	-76
2055	0	0	0	-3	-9	-14	-18	-17	-13	-4	0	0	-77
2056	0	0	0	-3	-9	-14	-18	-17	-13	-4	0	0	-78
2057	0	0	0	-3	-9	-14	-19	-17	-13	-4	0	0	-79
2058	0	0	0	-3	-9	-14	-19	-18	-13	-4	0	0	-80
2059	0	0	0	-3	-9	-15	-19	-18	-14	-4	0	0	-81
2060	0	0	0	-3	-9	-15	-20	-18	-14	-4	0	0	-83
2061	0	0	0	-3	-9	-15	-20	-18	-14	-4	0	0	-84
2062	0	0	0	-3	-10	-15	-20	-19	-14	-4	0	0	-85
2063	0	0	0	-3	-10	-15	-20	-19	-15	-4	0	0	-86
2064	0	0	0	-3	-10	-16	-21	-19	-15	-4	0	0	-88
2065	0	0	0	-3	-10	-16	-21	-20	-15	-4	0	0	-89

Rocky Ridge Table 24

Rocky Ridge													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	7	6	7	6	8	8	9	9	7	7	6	6	85
2017	4	3	4	2	0	-3	-5	-4	-3	2	4	4	7
2018	4	3	4	2	0	-3	-5	-4	-3	2	3	4	8
2019	4	3	4	2	0	-2	-4	-4	-2	2	3	3	8
2020	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2021	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2022	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2023	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2024	4	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2025	4	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2026	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2027	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2028	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2029	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2030	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2031	3	3	3	2	0	-2	-4	-3	-2	2	3	3	9
2032	3	3	3	2	0	-2	-3	-3	-2	2	3	3	10
2033	3	3	3	2	0	-2	-3	-3	-2	2	3	3	10
2034	3	3	3	2	0	-1	-3	-3	-2	2	3	3	11
2035	3	3	3	2	0	-1	-3	-2	-1	2	3	3	11
2036	3	3	3	2	0	-1	-2	-2	-1	2	3	3	12
2037	3	3	3	2	0	-1	-2	-2	-1	2	3	3	12
2038	3	3	3	2	1	-1	-2	-2	-1	2	3	3	13
2039	3	3	3	2	1	-1	-2	-2	-1	2	3	3	13
2040	3	3	3	2	1	0	-2	-1	-1	2	3	3	14
2041	3	2	3	2	1	0	-1	-1	-1	2	3	3	14
2042	3	2	3	2	1	0	-1	-1	0	2	3	3	14
2043	3	2	3	2	1	0	-1	-1	0	2	2	3	15
2044	3	2	3	2	1	0	-1	-1	0	2	2	2	15
2045	3	2	3	2	1	0	-1	-1	0	2	2	2	15
2046	2	2	3	2	1	0	-1	0	0	2	2	2	16
2047	2	2	3	2	1	0	0	0	0	2	2	2	16
2048	2	2	2	2	1	0	0	0	0	2	2	2	17
2049	2	2	2	2	1	1	0	0	0	2	2	2	17
2050	2	2	2	2	1	1	0	0	1	2	2	2	17
2051	2	2	2	2	1	1	0	0	1	2	2	2	18
2052	2	2	2	2	1	1	1	1	1	2	2	2	18
2053	2	2	2	2	1	1	1	1	1	2	2	2	18
2054	2	2	2	2	1	1	1	1	1	2	2	2	19
2055	2	2	2	2	2	1	1	1	1	2	2	2	19
2056	2	2	2	2	2	1	1	1	1	2	2	2	19
2057	2	2	2	2	2	2	1	1	1	2	2	2	20
2058	2	2	2	2	2	2	2	2	1	2	2	2	20
2059	2	2	2	2	2	2	2	2	2	2	2	2	20
2060	2	2	2	2	2	2	2	2	2	2	2	2	21
2061	2	1	2	2	2	2	2	2	2	2	2	2	21
2062	2	1	2	2	2	2	2	2	2	2	1	1	21
2063	2	1	2	1	2	2	3	2	2	2	1	1	22
2064	1	1	1	1	2	2	3	3	2	2	1	1	22
2065	1	1	1	1	2	3	3	3	2	2	1	1	22

Rocky Ridge Table 25

Rocky Ridge													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	7	6	7	6	8	8	9	9	7	7	6	6	85
2017	4	3	4	4	4	5	5	5	4	4	4	4	50
2018	4	3	4	4	5	5	6	6	5	4	3	4	52
2019	4	3	4	4	5	6	6	6	5	4	3	3	54
2020	4	3	4	4	5	6	7	7	6	4	3	3	56
2021	4	3	4	4	5	6	7	7	6	4	3	3	56
2022	4	3	4	4	5	6	7	7	6	4	3	3	56
2023	4	3	4	4	5	6	7	7	6	4	3	3	57
2024	4	3	4	4	5	6	7	7	6	4	3	3	57
2025	4	3	4	4	5	7	7	7	6	4	3	3	57
2026	3	3	4	4	5	7	8	7	6	4	3	3	57
2027	3	3	4	4	5	7	8	7	6	4	3	3	58
2028	3	3	4	4	5	7	8	7	6	4	3	3	58
2029	3	3	4	4	5	7	8	7	6	4	3	3	58
2030	3	3	4	4	6	7	8	8	6	4	3	3	59
2031	3	3	3	4	6	7	8	8	7	4	3	3	60
2032	3	3	3	4	6	8	9	8	7	4	3	3	62
2033	3	3	3	4	6	8	9	9	7	4	3	3	63
2034	3	3	3	4	6	8	10	9	8	4	3	3	65
2035	3	3	3	4	6	9	10	10	8	4	3	3	66
2036	3	3	3	4	7	9	11	10	8	4	3	3	68
2037	3	3	3	4	7	9	11	11	9	4	3	3	70
2038	3	3	3	4	7	10	12	11	9	5	3	3	71
2039	3	3	3	4	7	10	12	12	9	5	3	3	73
2040	3	3	3	4	8	10	13	12	10	5	3	3	75
2041	3	2	3	4	8	11	13	13	10	5	3	3	76
2042	3	2	3	4	8	11	14	13	10	5	3	3	78
2043	3	2	3	4	8	11	14	13	10	5	2	3	79
2044	3	2	3	4	8	12	15	14	11	5	2	2	80
2045	3	2	3	4	8	12	15	14	11	5	2	2	82
2046	2	2	3	4	9	12	15	14	11	5	2	2	83
2047	2	2	3	4	9	13	16	15	12	5	2	2	84
2048	2	2	2	4	9	13	16	15	12	5	2	2	86
2049	2	2	2	4	9	13	17	16	12	5	2	2	87
2050	2	2	2	4	9	13	17	16	13	5	2	2	89
2051	2	2	2	4	9	14	18	16	13	5	2	2	90
2052	2	2	2	4	10	14	18	17	13	5	2	2	92
2053	2	2	2	4	10	14	18	17	13	5	2	2	93
2054	2	2	2	4	10	15	19	18	14	5	2	2	94
2055	2	2	2	4	10	15	19	18	14	5	2	2	96
2056	2	2	2	4	10	15	20	18	14	5	2	2	97
2057	2	2	2	4	11	16	20	19	15	6	2	2	99
2058	2	2	2	4	11	16	21	19	15	6	2	2	100
2059	2	2	2	4	11	16	21	20	15	6	2	2	102
2060	2	2	2	5	11	17	21	20	16	6	2	2	103
2061	2	1	2	5	11	17	22	21	16	6	2	2	105
2062	2	1	2	5	12	17	22	21	16	6	1	1	106
2063	2	1	2	5	12	18	23	21	17	6	1	1	108
2064	1	1	1	5	12	18	23	22	17	6	1	1	110
2065	1	1	1	5	12	18	24	22	17	6	1	1	111

Rocky Ridge Table 26

Rocky Ridge													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-2	-5	-8	-10	-9	-7	-2	0	0	-43
2018	0	0	0	-2	-5	-8	-10	-10	-7	-2	0	0	-44
2019	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-45
2020	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2021	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2022	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-47
2023	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-48
2024	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2025	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2026	0	0	0	-2	-5	-9	-11	-11	-8	-2	0	0	-48
2027	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2028	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2029	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-49
2030	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-50
2031	0	0	0	-2	-6	-9	-12	-11	-9	-2	0	0	-51
2032	0	0	0	-2	-6	-9	-12	-11	-9	-3	0	0	-52
2033	0	0	0	-2	-6	-9	-12	-12	-9	-3	0	0	-53
2034	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-54
2035	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-55
2036	0	0	0	-2	-6	-10	-13	-12	-9	-3	0	0	-56
2037	0	0	0	-2	-6	-10	-14	-13	-10	-3	0	0	-57
2038	0	0	0	-2	-7	-10	-14	-13	-10	-3	0	0	-59
2039	0	0	0	-2	-7	-11	-14	-13	-10	-3	0	0	-60
2040	0	0	0	-2	-7	-11	-14	-13	-10	-3	0	0	-61
2041	0	0	0	-2	-7	-11	-15	-14	-10	-3	0	0	-62
2042	0	0	0	-2	-7	-11	-15	-14	-11	-3	0	0	-63
2043	0	0	0	-2	-7	-11	-15	-14	-11	-3	0	0	-64
2044	0	0	0	-2	-7	-12	-15	-14	-11	-3	0	0	-65
2045	0	0	0	-2	-7	-12	-16	-15	-11	-3	0	0	-66
2046	0	0	0	-2	-8	-12	-16	-15	-11	-3	0	0	-67
2047	0	0	0	-2	-8	-12	-16	-15	-11	-3	0	0	-68
2048	0	0	0	-2	-8	-12	-16	-15	-12	-3	0	0	-69
2049	0	0	0	-3	-8	-13	-17	-15	-12	-3	0	0	-70
2050	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-72
2051	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-73
2052	0	0	0	-3	-8	-13	-17	-16	-12	-4	0	0	-74
2053	0	0	0	-3	-8	-13	-18	-16	-13	-4	0	0	-75
2054	0	0	0	-3	-9	-13	-18	-17	-13	-4	0	0	-76
2055	0	0	0	-3	-9	-14	-18	-17	-13	-4	0	0	-77
2056	0	0	0	-3	-9	-14	-18	-17	-13	-4	0	0	-78
2057	0	0	0	-3	-9	-14	-19	-17	-13	-4	0	0	-79
2058	0	0	0	-3	-9	-14	-19	-18	-13	-4	0	0	-80
2059	0	0	0	-3	-9	-15	-19	-18	-14	-4	0	0	-81
2060	0	0	0	-3	-9	-15	-20	-18	-14	-4	0	0	-83
2061	0	0	0	-3	-9	-15	-20	-18	-14	-4	0	0	-84
2062	0	0	0	-3	-10	-15	-20	-19	-14	-4	0	0	-85
2063	0	0	0	-3	-10	-15	-20	-19	-15	-4	0	0	-86
2064	0	0	0	-3	-10	-16	-21	-19	-15	-4	0	0	-88
2065	0	0	0	-3	-10	-16	-21	-20	-15	-4	0	0	-89

Rocky Ridge Table 27

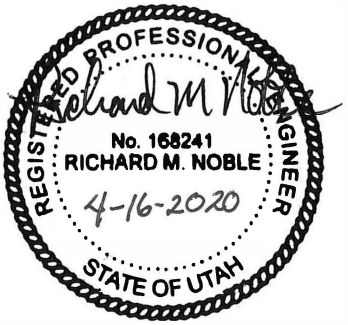
Rocky Ridge													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
2016	7	6	7	6	8	8	9	9	7	7	6	6	85
2017	4	3	4	2	0	-3	-5	-4	-3	2	4	4	7
2018	4	3	4	2	0	-3	-5	-4	-3	2	3	4	8
2019	4	3	4	2	0	-2	-4	-4	-2	2	3	3	8
2020	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2021	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2022	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2023	4	3	4	2	0	-2	-4	-4	-2	2	3	3	9
2024	4	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2025	4	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2026	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2027	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
2028	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
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2030	3	3	4	2	0	-2	-4	-3	-2	2	3	3	9
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2035	3	3	3	2	0	-1	-3	-2	-1	2	3	3	11
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2039	3	3	3	2	1	-1	-2	-2	-1	2	3	3	13
2040	3	3	3	2	1	0	-2	-1	-1	2	3	3	14
2041	3	2	3	2	1	0	-1	-1	-1	2	3	3	14
2042	3	2	3	2	1	0	-1	-1	0	2	3	3	14
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2063	2	1	2	1	2	2	3	2	2	2	1	1	22
2064	1	1	1	1	2	2	3	3	2	2	1	1	22
2065	1	1	1	1	2	3	3	3	2	2	1	1	22

MEMORANDUM

DATE: April 16, 2020

TO: David Pitcher, P.E., Assistant General Manager
Central Utah Water Conservancy District
1426 E. 750 N. Suite 400
Orem, UT 84097

THROUGH: Robert Harding, P.E.
Jacobs Engineering Group
4246 S. Riverboat Rd, Ste 210
Taylorsville, UT 84123



FROM: Richard Noble, P.E.
Hansen, Allen & Luce, Inc. (HAL)
859 West So. Jordan Pkwy – Suite 200
South Jordan, Utah 84095

SUBJECT: Juab County and South Utah County Water Supply & Infrastructure Plan Formulation Project, Tasks 5 & 6 Technical Report – South Utah County

PROJECT NO.: 078.06.100

PURPOSE

This memorandum provides a summary of results for Task 5 – Water Supply and Task 6 – Water Demands of the Juab County and South Utah County Water Supply & Infrastructure Plan Formulation Project (Plan Formulation Project). This summary focuses on the south Utah County area results. Results for Juab County are summarized in a separate technical memorandum. Included Utah County cities and towns are Elk Ridge, Genola, Goshen, Mapleton, Payson, Salem, Santaquin, Spanish Fork, Springville, and Woodland Hills. South Utah County also includes an unincorporated area with high projected growth in the Benjamin – Lake Shore area. It is anticipated that this area will incorporate into a city within the project planning period. Study areas for each community were selected to include the proposed annexation boundaries of the city and the irrigation company lands associated with that particular community.

The Goshen Valley Local District (GVLD), located near Elberta, is another area with significant growth potential. The Governor's Office, Utah County, and the Economic Development Corporation of Utah (EDC Utah) have been considering GVLD as a mega site that could potentially attract large industrial development. According to the planning studies, GVLD could support a large industry with about 1,000 new jobs and rapid population growth with a water requirement of about 15,600 acre-feet. However, this growth is not reflected in the State of Utah population projections. Discussions held with GVLD representatives suggest that this development may be more than 20 years into the future. Due to the high level of uncertainty, the GVLD is not included in this water supply and demand analysis. However, it may need to be included in future updates.

Task 5 and Task 6 will establish a baseline of existing and projected water supplies and demands

for the Plan Formulation Project. Once existing supplies and future demands are established, water supply portfolios and infrastructure needed to fill any gaps and to enable a reliable future water supply for the Region can be evaluated under subsequent tasks.

The goals of the Plan Formulation Project are to quantify dependable water supply, identify future water demand between now and 2065, determine the amount of unmet demand, and then formulate and discuss with the Plan stakeholders strategies for providing a water supply to satisfy those needs. This process will include an evaluation of alternative strategies, water sources, and required infrastructure. The Plan Formulation Project is focused primarily on M&I water needs. However, irrigated agriculture represents a large component of the total area water supply and demand and is therefore included in the analysis. Additionally, as urban development encroaches on agricultural land, a portion of the water supply that has been used for irrigation will likely be converted to municipal use to increase cities' water supply.

WATER DEMAND

Future municipal water demand is projected to increase significantly over time within the project area. There are three key drivers that influence future water demand. These include population growth, water conservation, and climate change. Current and future water demands are based on an analysis of Equivalent Residential Connections (ERCs). Current ERCs were estimated for each city based on reported water use to the State as well as reported residential connections; institutional, commercial and industrial connections; and parks and irrigated open space. Future ERCs were estimated based on population growth and future land use.

Population Growth

In 2017 the Kem C. Gardner Policy Institute at the University of Utah released population projections for the State of Utah. These projections were performed on a county basis and included population projections for each decade up through 2065. The projections show that Utah's population will increase to 5.8 million by the year 2065. Utah County is projected to grow at the highest rate in the state and is projected to have a population of over 1.6 million by year 2065. Juab County's projected growth rate is only slightly lower than Utah County's. Juab County's population is projected to increase to over 30,000 by year 2065. The Kem C. Gardner Policy Institute projections were further refined for use in this analysis as described below.

In February 2019 the Mountainland Association of Governments (Mountainland) released population projections for each city in Utah County based on the Kem C. Gardner Policy Institute's county-wide projections (Mountainland Association of Governments, 2019). However, the Mountainland projections only go to year 2050. For this analysis the Mountainland projections for Utah County cities were extended to year 2065 by linear extrapolation.

The population projections as described above are used in all water demand scenarios used in this analysis.

Water Conservation

In addition to population growth, current and future water conservation efforts have an effect on water demands. For this analysis, three water conservation scenarios are used as described below.

Current Use
The Current Use scenario is based on current levels of water use as reported by the cities to Utah

Division of Water Rights (UDWRi). The amount of water use per ERC varies by city based on condition of the water system, land use, water rates, and other practices and generally falls between 300 and 350 gallons per day per ERC for indoor use and 0.4 and 0.7 acre-feet per year per ERC for outdoor use.

Conservation

The Conservation Scenario assumes that certain practices will be implemented to reduce demand. These practices include measures such as metering secondary water systems and adjusting water billing rate structures to further encourage conservation. The assumed amount of water use is 300 gallons per ERC per day (0.34 acre-feet per year) for indoor use and 0.45 acre-feet per ERC per year for outdoor use (0.15 irrigated acres per ERC times 3 acre-feet per acre). This amount of water use is applied to all cities throughout the project area.

Growing Conservation

The Growing Conservation Scenario assumes that additional conservation measures will be implemented such as changes in land use and more aggressive water rate billing structures. These measures will result in conservation efforts that will grow or increase over time and yield water demand per ERC that will decrease over time. Under the Growing Conservation Scenario, the total demand would be reduced to about 81 percent of the Conservation Scenario by 2065.

Climate Change

One issue of concern for many water suppliers is to address climate change and its potential impact on the irrigation needs of landscapes. Hypotheses indicate that increasing temperatures and longer irrigation seasons will demand more water for the same uses (especially outdoor) relative to today. Also, less snowpack and earlier runoff are projected to limit available water supplies (Hansen, Allen & Luce, Inc., 2019).

Because of the significant uncertainty associated with climate change projections, the impact of these changes on evapotranspiration (ET) are equally uncertain. Ranges of expected increases in ET from one recent study vary from 2 percent to 17 percent (Forsyth, 2017). For the purposes of this analysis, a 10 percent increase in ET rates as a result of climate change has been included in the water demand calculations for each of the water conservation scenarios. It is assumed that this increase will occur linearly between 2015 and 2065.

Demand Scenarios

Based on the three key demand drivers described above, three demand scenarios are used in this analysis. These scenarios are Current Use, Conservation, and Growing Conservation. The conservation and growing conservation curves were adjusted slightly so that they match the reported 2018 water use.

Figure 1 shows how water demand is projected to vary over time under each of these scenarios for south Utah County. As shown in the figure, the current municipal water demand is about 40,200 acre-feet per year. By 2065 this demand could increase to as much as 173,000 acre-feet per year, depending on the scenario.

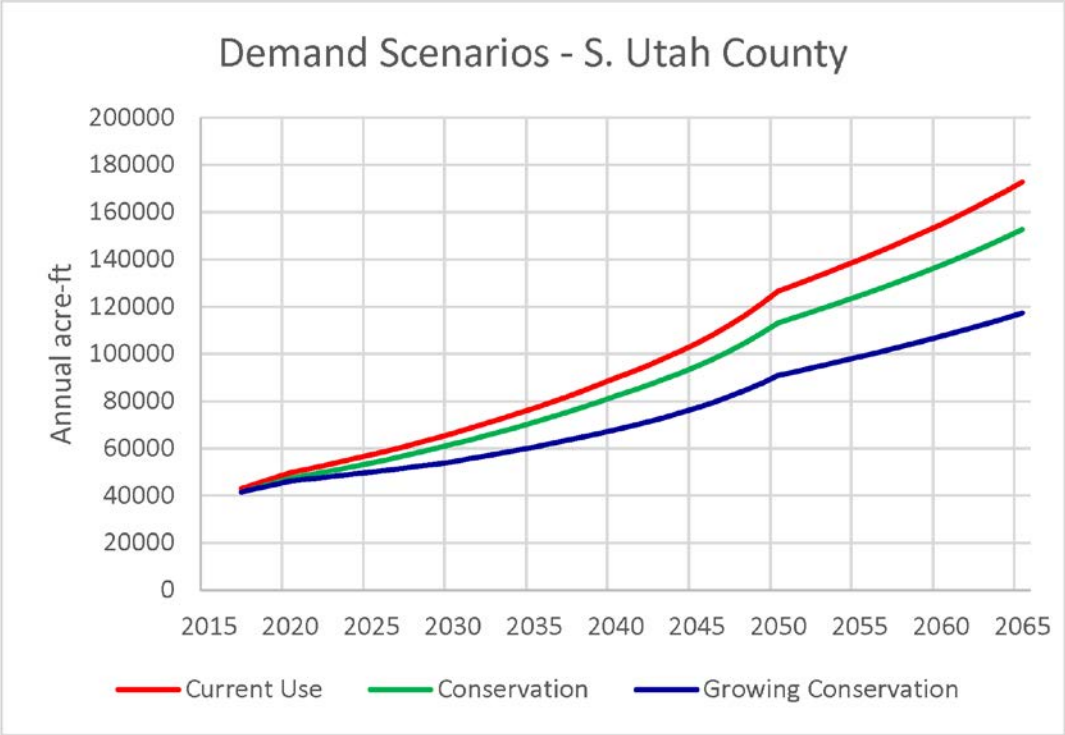


Figure 1 - South Utah County Demand Scenarios

DEPENDABLE WATER SUPPLY

In order to ensure that water systems are sufficiently resilient against the effects of drought, the dependable water supply is based on a critical low flow period. This low flow period is defined by the State of Utah Administrative Code R309-515-5 part 4a as follows:

> *"The quantity of water from surface sources shall be assumed to be no greater than the low flow of a 25-year recurrence interval or the low flow of record for these sources when 25 years of records are not available."*

Therefore, for surface water supplies from streams, the critical dry period is defined as 25-year low flow based on historical records. For springs and wells, the assumed dependable water supply is based on observed production of water sources in similar dry years. The project area receives its water supply from six types of sources. These sources include springs, wells, stream flows, Strawberry Valley Project water stored in Strawberry Reservoir, ULS water stored in Strawberry Reservoir, and wastewater reuse.

Springs

Most of the cities in the project area rely on springs as a source of water supply. Some springs provide a steady, reliable water supply, regardless of current hydrologic conditions. Other springs provide very little or no water supply in dry years. Estimates of the dependable water supply for each city from springs are based on historical spring production records as described in master plan reports or from conversations with city personnel. As it relates to cities, dependable water supply from springs is assumed to be a fixed amount that will not increase over time.

Wells

Wells provide a significant portion of cities' current water supply, particularly for drinking water. However, just as surface water is limited, the amount of water supply available from groundwater aquifers is also limited. The current dependable water supply from wells is assumed to be the amount of water produced by wells during 2018 as reported to the Utah Division of Water Rights (UDWRi). Each year cities report the total amount of water used within the city and the amount of water produced by each source to the UDWRi. Year 2018 was a very dry year with conditions similar to a 25-year low flow event. This assumption was used as a starting point for the analysis in this report and is not related to the safe yield of the aquifer. The dependable water supply from wells is assumed to grow each year based on projected population increase. Once the water supply from wells reaches the safe yield, it is held constant at the safe yield value.

Additional future wells and well discharges are assumed to be added over time to increase the water supply from groundwater. Water supply from wells is assumed to increase at a rate of 0.125 acre-feet per capita of increased population. Additional groundwater withdrawals are assumed to come from current water rights not fully used or from acquisition of irrigation company shares through approved water right change applications. For the south Utah County area, a groundwater study (Hansen, Allen & Luce, Inc., 2020) was conducted to estimate the safe yield of the South Utah Valley – Goshen Valley Aquifer. Based on study results, the safe yield of the aquifer is approximately 76,000 acre-feet annually. Comparing the safe yield against 2018 groundwater withdrawals 45,000 results in a remaining safe yield of about 45,000 acre-feet per year. The remaining safe yield was allocated to each city based on the average recharge for that area. The remaining safe yield was used as an upper limit for future groundwater withdrawals.

The water supply from future groundwater development in the study area is assumed to be available to or within the cities for municipal and industrial use. The 2018 Mt. Nebo Water Agency (MNWA) Water Supply Study (Hansen, Allen & Luce, Inc., 2019) shows that quantity of existing groundwater rights far exceeds the safe yield of the aquifer. Therefore, it is of critical importance that cities protect their interests by monitoring water rights activity in the area and implementing measures that will ensure that future groundwater development benefits their future interests.

Stream Flows/Irrigation Company Shares

A significant source of municipal water supply for outdoor use comes from local streams with the Spanish Fork River being the largest in south Utah County. Water from these streams is made available to cities through water rights held by the cities, by irrigation company shares owned by cities, and by irrigation shares owned by residents within the cities.

As described previously, the dependable supply is based on the 25-year recorded low flow of the stream. Where less than 25 years of recorded streamflow data are available, the dependable supply is based on the lowest recorded flow. For streams with no flow records, the 25-year low flow was estimated by comparison and correlation with other local stream gages.

NWIS Mapper (U.S. Geological Survey, 2019) was used to obtain historical stream flow records. The period of record and available gage data were checked for each active and inactive surface-water gage within the study area. Gages which did not record streamflow were not evaluated. Daily average discharge was downloaded for the period of record for the gages seen below in Table 1. The average daily discharges were converted to daily volumes and were summarized by month and year. For gages which had less than 25 years of record, the low year of record was established as the 25-year low. For gages that had more than 25 years of record, the years were

ranked based on their dryness and the 25-year low was calculated using the statistical recurrence interval.

Table 1. Stream Flow Gage Data and Estimated 25-Year Low Flow Volumes

Gage No	Serves	Gage Name	Area (mi^2)	Period of Record	Years of Record	Average annual volume (AF/yr)	25-year annual low volume (AF/yr)
10152700	Mapleton	MAPLE CR NR MAPLETON	3.13	1964-1972	8.1	1,772	1,083
10147500	Payson	PAYSON ABV DIVERSION	18.8	1947-1962	15.3	9,089	3,769
10147100	Santaquin	SUMMIT CR NR SANTAQUIN	14.6	'10-'16,'54-'66	18	8,900	3,544
10150500	Spanish Fork, many	SF AT CASTILLA	652	'20-'24,'33-pres	91.1	110,356	66,682
10152500	Springville	HOBBLE NR SPRINGVILLE	105	'08-'16,'45-'74	37.8	32,037	9,428
Ungaged[1]	Springville	Spring Creek	6.59	N/A	N/A	N/A	2,075
Utah County Total							86,582

[1] Ungaged streams annual volume estimated based on area-weighted discharge/contributing area of similarly sized basins.

Four gaged streams, (Maple Creek, Payson or Peteetneet Creek, Chicken Creek, and Summit Creek) having contributing areas of less than 28 square miles were selected to represent the hydrologic conditions of the ungaged streams. For these streams, the average discharge was divided by the contributing area. For ungaged streams, the discharge per square mile was determined using this best fit logarithmic curve of discharge versus contributing area. The annual volume was estimated based on the calculated discharge per square mile. For all ungaged streams, the distribution of the annual volume was assumed to match the average distribution of Maple Creek, Payson Creek, and Summit Creek. A summary of the 25-year low for each gaged and ungaged stream can be found in Table 2.

Table 2. Stream Flow 25-Year Low Flow Monthly Volumes (acre-feet)

Gage Name	25-Year Low[2]	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Irr. Season
MAPLE CR N MAPLETON	1966	89	74	86	187	213	80	69	66	61	56	52	51	1,083	731
PAYSON ABV DIVERSION	1961	243	205	246	441	768	408	403	246	186	222	196	204	3,769	2,675
SUMMIT CR NR SANTAQUIN	1961	225	192	201	338	839	381	222	214	254	252	226	200	3,544	2,500
SF AT CASTILLA	1935, 1963	1,928	2,330	2,357	4,302	11,640	11,913	11,586	8,789	5,504	2,526	1,908	1,899	66,682	56,260
HOBBLE NR SPRINGVILLE	1959, 1961	882	853	1,001	1,234	1,258	660	506	548	556	629	652	648	9,428	5,391
Spring Creek[1]	N/A	166	148	174	291	369	174	155	127	114	122	117	118	2,075	1,353
	2012	2,547	2,342	2,801	2,605	450	120	196	172	297	1,096	1,843	2,005	16,473	4,936
Utah County Total		3,533	3,802	4,066	6,794	15,088	13,616	12,940	9,990	6,675	3,807	3,150	3,120	86,582	68,910

[1] Ungaged streams annual volume estimated based on area-weighted discharge/contributing area of similarly sized basins. Monthly distribution of annual

[2] Years which approximate and bound the statistical 25-year low.

Many irrigation companies have water sources other than streams to supplement their water supply. These sources include springs and wells. Where irrigation companies have supplemental sources, the dependable supply was estimated based on the yield per share as determined by UDWRi.

In the future cities will likely acquire additional water supplies as agricultural land is converted to urban use. Conversion of agricultural land is estimated to occur at a rate of 0.17 acres per capita of increased population. As agricultural land converts, it is assumed that the water supply from that land will be transferred to the cities. For purposes of this analysis, acquired irrigation shares are assumed to first be converted to groundwater rights through the UDWRi change application process. Acquired irrigation shares in excess of those converted to groundwater are assumed to be available to cities under the category “Stream Flows/Irrigation Company Shares.”

In south Utah County the conversion of agricultural land to urban use results in an 87 percent decrease in irrigated agricultural land, shrinking the total area from 44,650 acres to 5,762 acres.

Strawberry Valley Project (SVP) Water

SVP water is currently available within some south Utah County cities through shares owned by the cities or by residents within the cities. In 1991, an operating agreement was executed among the Strawberry Water Users Association, Central Utah Water Conservancy District (District), and the U.S. Bureau of Reclamation. The agreement defines parameters related to the coordinated operation of SVP and Central Utah Project (CUP) facilities. Under the agreement Strawberry Reservoir and the tunnel delivery system are operated by the District. The agreement also provides for annual delivery of 61,000 ac-ft of SVP water with a 50,000 acre-foot bank in Strawberry Reservoir for carry over storage of unused water.

Similar to other converted irrigation company shares, additional SVP water is assumed to transfer to the cities based on population growth and conversion of agricultural land to urban use. The analysis of SVP water assumes that it will continue to be used for irrigation purposes and on the land where it is currently used. The amount of SVP water that would transfer to a particular city is limited by the current number of SVP shares within a city's area. Also, for this analysis, the monthly volumes of SVP water distributed to shareholders was based on the delivery pattern of SVP water in 1977 per the Spanish Fork River Commissioner's annual report. Year 1977 very closely approximates the 25-year low flow. Monthly amounts of SVP water delivered were based on the historical monthly volume as a percentage of the total annual volume multiplied by 61,000 acre-feet.

The Utah Lake Drainage Basin Water Delivery System (ULS) Water

Municipal water supplies are designated to south Utah County cities through the CUP's ULS System. In this analysis it is assumed that ULS water will be distributed to the cities based on agreements through the South Utah Valley Municipal Water Association (SUVMWA). However, the original water supply to each city is reduced by the amount of water that was turned back to the District in exchange for water conservation grants. The allocated quantities of ULS water to south Utah County Cities is summarized in Table 3. It is assumed that ULS water will be available beginning in 2025.

Water Reuse

Both Payson and Santaquin have reuse applications that have been approved by UDWRi. This water reuse is limited to the depletion allowance of each city's underlying water rights. Payson currently sells about 1,000 acre-feet per year of its reuse water to the UAMPS Nebo Power Plant. About 3,500 acre-feet of additional reuse water could be used by the city, based on an approved reuse application. Santaquin's reuse is limited to about 5,100 acre-feet per year. Currently Santaquin reuses about 400 acre-feet per year in its secondary water system. No other reuse is included in the analysis.

Table 3. Allocation of ULS Water to South Utah County Cities[3]

City/Town	1998[1] Agreement (%)	CUP 1,590 ac-ft Allotment (ac-ft)	2005[2] Agreement (%)	CUP 30,000 ac-ft Allotment (ac-ft)	Given Back	Total
Spanish Fork	28.33%	450.45	27.90%	8,370	1,000	7,820
Salem	5%	79.50	6.03%	1,809	1,000	889
Woodland Hills	1.25%	19.88	1.30%	390	0	410
Elk Ridge	1.25%	19.88	2.53%	759	0	779
Payson	18.34%	291.61	17.53%	5,259	500	5,051
Santaquin	5%	79.50	6.03%	1,809	1,000	889
Goshen	1.25%	19.88	1.32%	396	0	416
Genola	1.25%	19.88	1.20%	360	0	380
Springville	31.66%	503.39	28.15%	8,445	3,500	5,448
Mapleton	6.67%	106.05	8.01%	2,403	1,500	1,009
Total	100%	1590.00	100.00%	30,000	8,500	23,090

[1]In 1998, South Utah Valley Municipal Water Association (SUVMWA) member municipalities signed a petition to Central Utah Water Conservancy District (CUWCD) for a perpetual, annual distribution of 1,590 ac-ft of water from the Utah Lake Drainage Basin Water Delivery System.
[2]In 2005, SUVMWA member municipalities signed a petition to CUWCD for a perpetual, annual distribution of 30,000 ac-ft of water from the Utah Lake Drainage Basin Water Delivery System.
[3]See addendum on the following page.

Total Water Supply

As shown in Figure 2, South Utah County's current dependable municipal water supply is about 52,000 acre-feet per year. This annual supply increases to about 173,000 acre-feet by 2065. This increase would come through conversion of agricultural water to municipal use and development of additional groundwater.

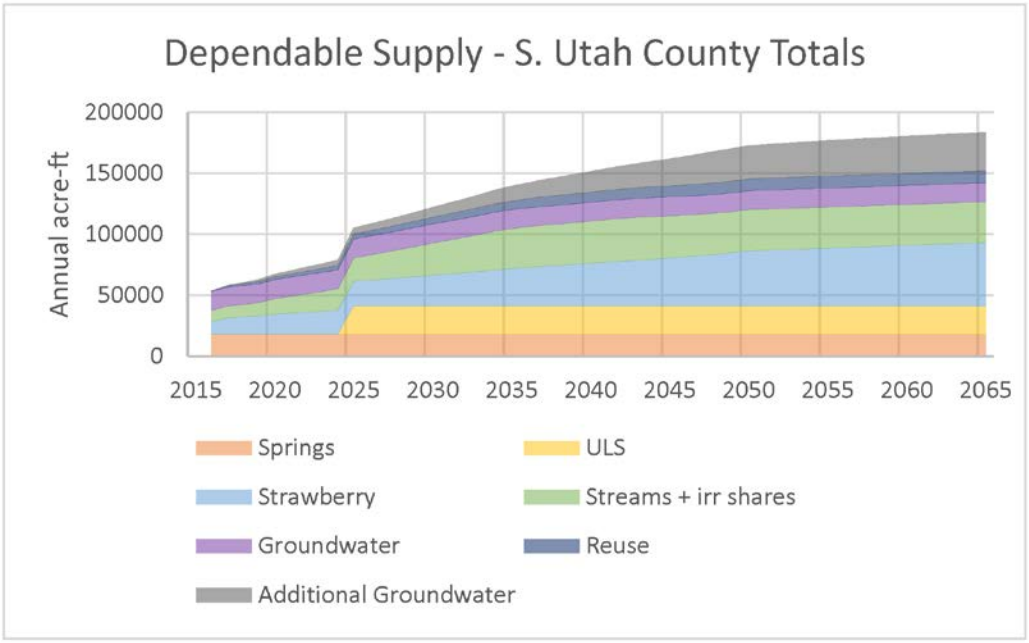


Figure 2 - So. Utah County Dependable Water Supply

Addendum to Table 3

CITY/TOWN	2011 Agreement (%)	CUP Revised 31,590 AF Allotment (ac-ft)	2011 Revised Total (ac-ft)
Spanish Fork	28.33%	8,949	7,949
Salem	5.00%	1,580	580
Woodland Hills	1.25%	395	395
Elk Ridge	1.25%	395	395
Payson	18.34%	5,794	5,294
Santaquin	5.00%	1,580	580
Goshen	1.25%	395	395
Genola	1.25%	395	395
Springville	31.66%	10,001	6,501
Mapleton	6.67%	2,107	607
	100.00%	31,590	23,090

Note: The 2011 revised allotments are noted here but analysis in Phase 2 of the Plan Formulation Project does not reflect these numbers.

UTAH COUNTY COMPARISON OF SUPPLY AND DEMAND

Figure 3 shows the comparison of supply and demand for south Utah County. As shown in the graph, there appears to be adequate water supply through year 2065 under all of the conservation scenarios.

However, Figure 3 only shows results from an annual basis which does not tell the whole story. Due to the lack of storage for surface water, there are seasonal shortages that do not show up on the annual supply graphs. Also, the water supply is not equally distributed among the cities. Some cities have greater shortages than others. For that reason, supply versus demand comparisons must be made on a monthly basis for each city. Also, water supplies suitable for indoor use were assumed to be arranged to meet and be compared against the indoor or culinary demands. The supply of untreated surface water is compared against outdoor demand. Cities with surplus indoor water supply can use the surplus to meet outdoor demands. However, outdoor water supplies cannot be used for indoor purposes without treatment.

Additional paragraphs are provided below to present a more detailed evaluation of supply and demand on a monthly basis for Year 2065. Appendix A provides similar graphs for each decade from Year 2020 through 2060.

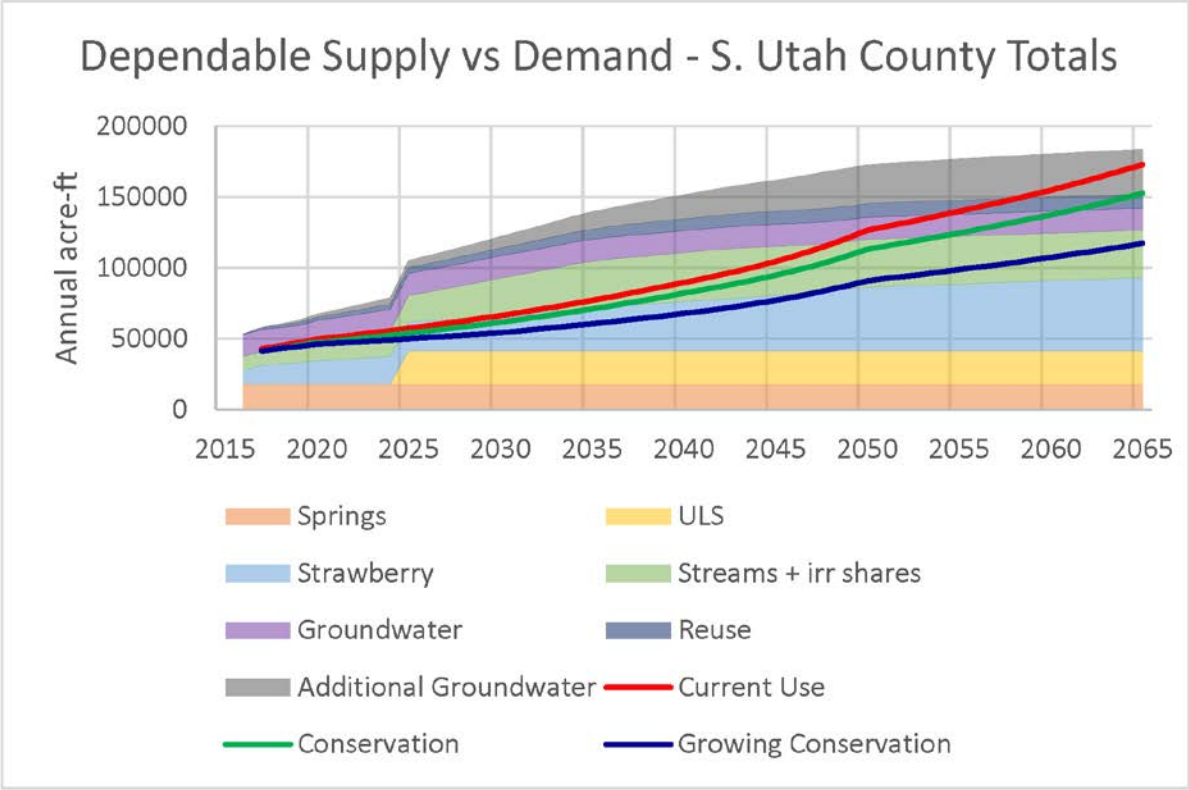


Figure 3 - South Utah County Dependable Supply versus Demand

Benjamin/Lakeshore

Demand
The Benjamin/Lakeshore is an unincorporated, agricultural community. The current population of the area is about 8,100 people. The area's close proximity to the Interstate 15 and fast-growing population centers in South Utah County, point to accelerated population growth with projections in 2065 reaching 71,300 people.

The current demand for water in the area is estimated to be about 3,000 acre-feet. In 2065, the area is expected to have an increase in water demand to 28,100 acre-feet. With conservation, the area demand is expected to range from 22,800 acre-feet down to 17,500 acre-feet, depending on how aggressively conservation is applied. With needed infrastructure projected to serve development in the Benjamin/Lakeshore area, a new municipality in this area has the opportunity to benefit from improved water service technology with improved conservation compared to older surrounding communities.

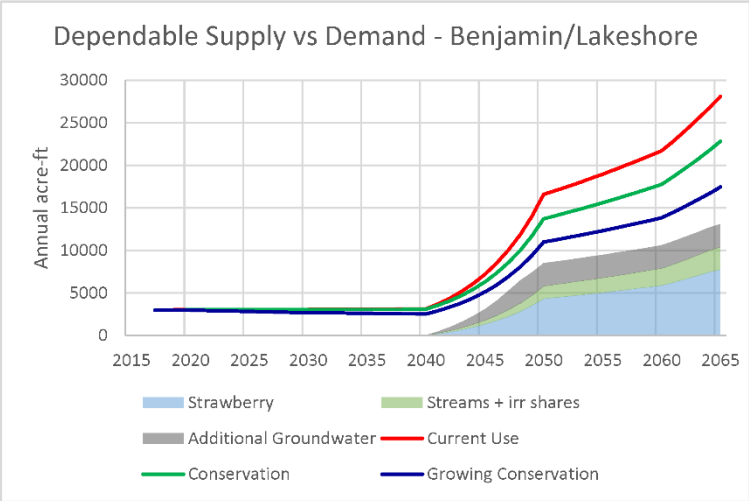


Figure 4 - Benjamin/Lakeshore Demand Scenarios

Supply
Benjamin, Lakeshore, and several other communities west of I-15 and southeast of Utah Lake remain unincorporated census-designated places. As such there is no municipal infrastructure to provide residents with water. Currently water demands in these areas are serviced by private wells and irrigation shares.

The service areas of three irrigation companies overlap the boundaries of Benjamin and Lakeshore namely, Lake Shore, High Line, and Spanish Fork South. In 1977, all three canal companies received Strawberry water, but only Lake Shore and Spanish Fork South received Spanish Fork River water. Taking the percent area of the Benjamin/Lakeshore area that lies within each canal company allows for a rough distribution of Spanish Fork River low-year volumes to the Benjamin/Lakeshore area. Based on this methodology, the Benjamin/Lakeshore area could expect to receive during a dry year approximately 2,649 acre-feet of Spanish Fork River water and 7,755 acre-feet of Strawberry water. Future supply is expected to come from additional groundwater and converted agricultural water. About 13,100 acre-feet of water per year of dependable supply is estimated to be available by Year 2065.

Figure 5 displays monthly supply and demand graphs for Year 2065 for the Benjamin/Lakeshore area. As shown in the figure, the Benjamin/Lakeshore area will be short of indoor and outdoor water supplies in 2065.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for the Benjamin/Lakeshore area are provided in Appendix A.



Figure 5 - Benjamin/Lakeshore 2065 Dependable Supply and Demand

Elk Ridge

Demand

Elk Ridge City is in the southwestern part of Utah County, in the foothills of Dry Mountain and Loafer Mountain in the Wasatch Range. The City has a population of about 4,000 people and is expected to grow to 7,000 people by the year 2065.

Elk Ridge currently uses about 900 acre-feet of water annually. As shown in Figure 6, by 2065, water demand is estimated to be 1,600 acre-feet under the current water use scenario, 1,500 acre-feet under the conservation scenario, and 1,100 acre-feet under the growing conservation scenario.

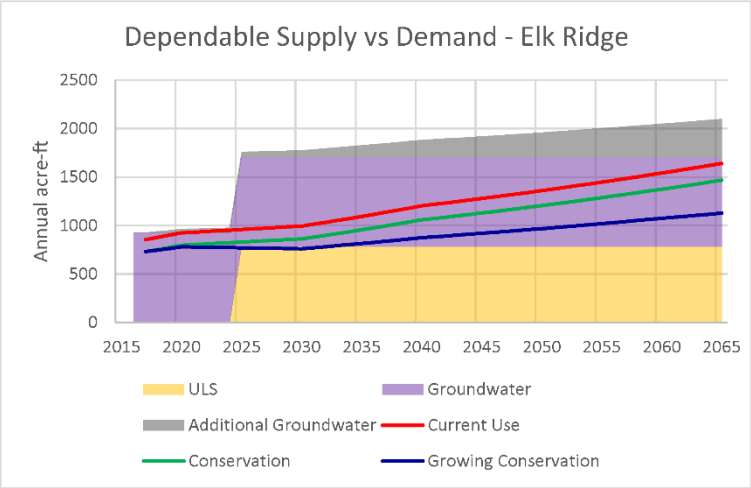


Figure 6 - Elk Ridge Demand Scenarios

Supply

Elk Ridge has no springs and three wells (Cloward, Loafer Canyon, Sky Hawk) which provide drinking water. The 2018 use of 927 acre-feet came approximately 50/50 from the Cloward and Loafer Canyon wells. The estimated groundwater safe yield for Elk Ridge is 3,300 acre-feet per year. Additional groundwater is expected to be developed as growth occurs which will account for 393 acre-feet per year. The total existing drinking water annual supply volume is estimated at 927 acre-feet per year. The total 2065 drinking water annual supply volume is estimated at 1,320 acre-feet per year.

Due to lack of streams in the area and in part, the elevation of Elk Ridge (which prohibit irrigation companies from servicing the area readily), Elk Ridge currently has no secondary system. The only outdoor water supply expected for the City in the future is ULS water. Elk Ridge is contracted to receive 779 acre-feet of ULS water. This volume constitutes the total 2065 outdoor water annual supply.

Figure 7 displays monthly supply and demand graphs for Year 2065 for Elk Ridge. As shown in the figure, Elk Ridge has adequate indoor and outdoor water supplies until 2065. Although the figure shows a slight deficit in outdoor supply for the current use demand scenario, surplus indoor water could be used to meet that deficit. The total dependable water supply is expected to increase from its current level of 930 acre-feet per year to a 2065 amount of 2,100 acre-feet per

year.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Elk Ridge are provided in Appendix A.

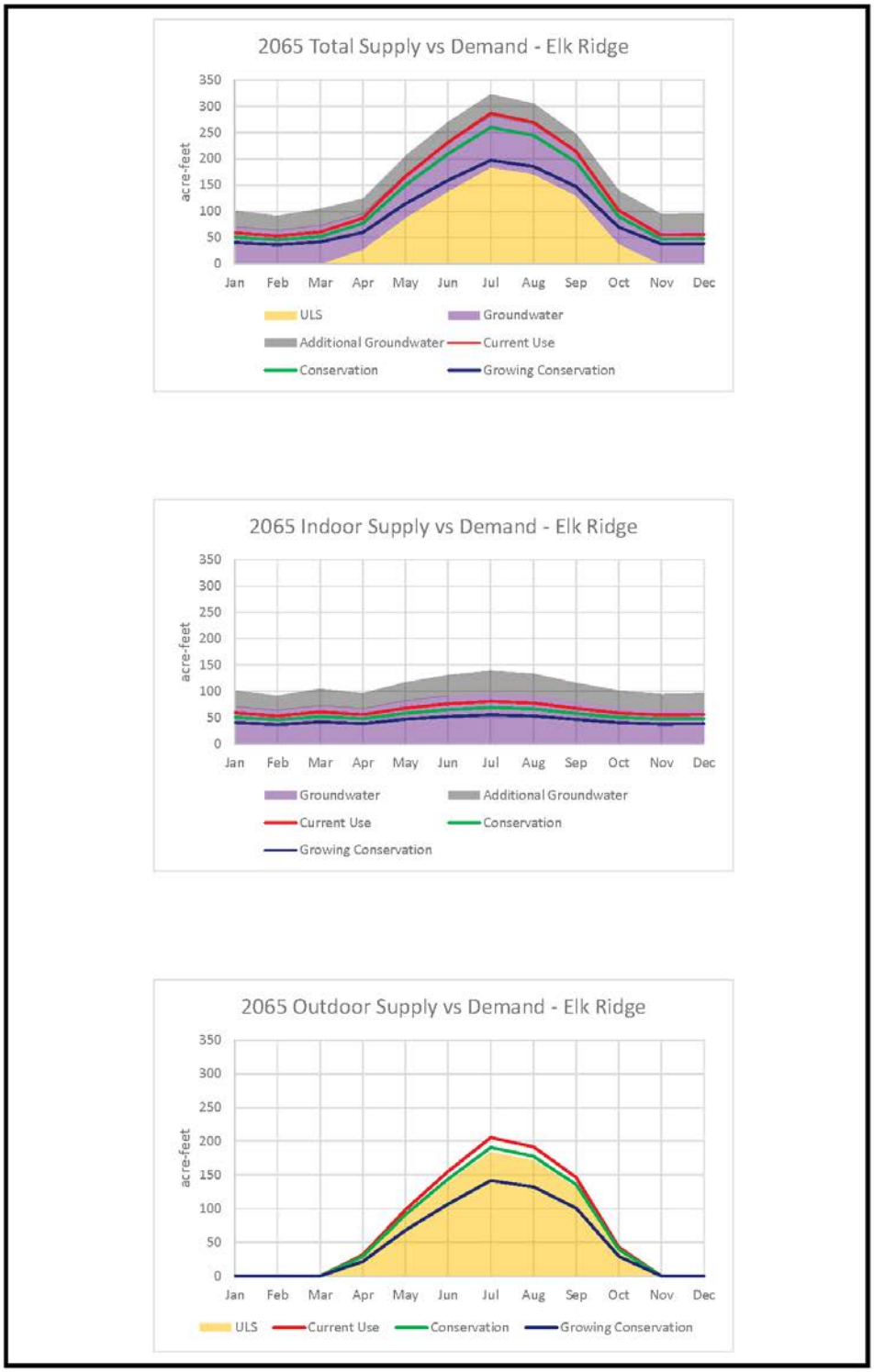


Figure 7 - Elk Ridge 2065 Dependable Supply and Demand

Genola

Demand

Genola Town is located in Goshen Valley on the south end of Utah Lake in southern Utah County. The Town is bounded on the northwest by the Goshen Bay area of Utah Lake Wetland Preserve and on the east by BLM land on West Mountain. In the past several decades the Town has experienced steady population growth. The estimated existing population of Genola Town is 1,500 people. By the year 2065, the projected population is 3,600.

The Town currently has a water demand of about 400 ac-ft per year. As shown in Figure 8, by year 2065 it is anticipated that the demand will increase to 1,200 ac-ft of water if current levels of water use are continued in the future. If conservation is applied, the demand in 2065 could range from 1,000 acre-feet with conservation to 800 acre-feet with growing conservation, a more aggressive conservation effort.

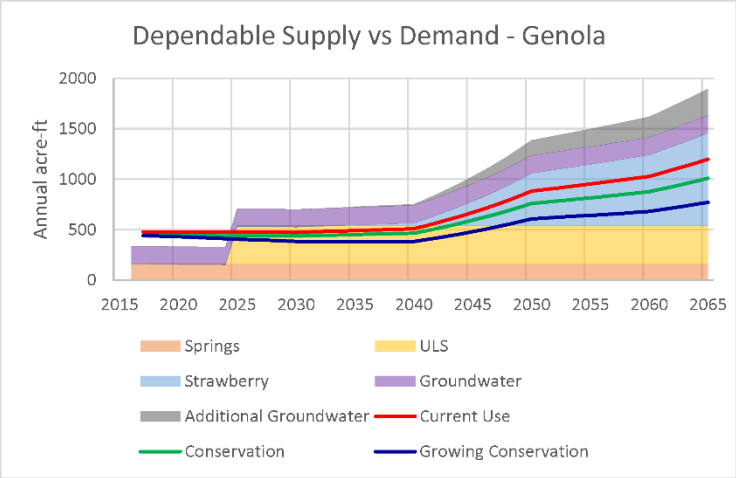


Figure 8 - Genola Demand Scenarios

Supply

Genola has one well (Well #1) which provides drinking water. The Town also purchases water from Santaquin's spring. In 2018, Genola purchased 162 acre-feet of Santaquin spring water and pumped 175 acre-feet from Well #1. The estimated groundwater safe yield for the Genola area is 2,100 acre-feet per year. Additional groundwater is expected to be developed as growth occurs which will account for 264 acre-feet per year. The total existing drinking water annual supply volume is estimated at 337 acre-feet per year. The total 2065 drinking water annual supply volume is estimated at 601 acre-feet per year.

Genola currently has no secondary water system. However, much of the land in the Genola area is supplied irrigation water through Highline Canal Company laterals, which receive SVP water. Of the 8,595 total acre-feet of SVP water available to the Genola area, it is anticipated that 10% of agricultural land (or 875 acre-feet) will convert to urban use. One additional future outdoor source for Genola is ULS water. Genola is contracted to receive 380 acre-feet of ULS water. Genola's total dependable water supply is expected to increase from its current level of 335 acre-feet to 1,900 acre-feet in 2065.

Figure 9 displays monthly supply and demand graphs for Year 2065 for Genola. As shown in the figure, Genola has adequate indoor and outdoor water supplies until 2065.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Genola are provided in Appendix A.



Figure 9 - Genola 2065 Dependable Supply and Demand

Goshen

Demand

Goshen Town is located in the southern portion of Utah County, south of Utah Lake and west of Santaquin City. Goshen Town has experienced some growth in population over the past decades. The estimated existing population is 1,000 people. By the year 2065, the projected population is 2,700.

The Town currently has a demand of 340 acre-feet of water per year. As shown in Figure 10, this use is expected to increase to 1,000 acre-feet of water at current levels of water use by 2065. With conservation, the Town's future use could range from 900 acre-feet to 700 acre-feet depending on how aggressively conservation is applied.

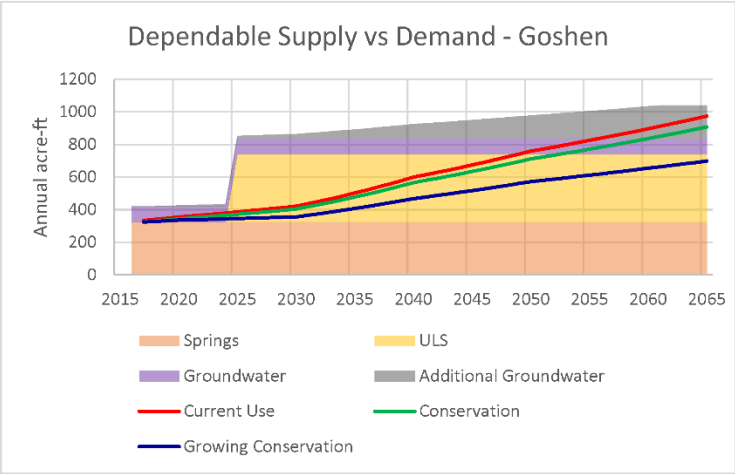


Figure 10 - Goshen Demand Scenarios

Supply

Goshen has one spring (Ercanbrack) and one well (Goshen Town) which provides drinking water. The reliable flow of Ercanbrack Spring is estimated in the MP as 200 gpm (323 acre-feet). The 2018 use of Goshen Town Well was 97 acre-feet. The estimated safe yield for Goshen is 1,200 acre-feet per year. Additional groundwater is expected to be developed as growth occurs which will account for 204 acre-feet per year. The total existing drinking water annual supply volume is estimated at 419 acre-feet per year. The total 2065 drinking water annual supply volume is estimated at 623 acre-feet per year.

Goshen currently has no secondary system. No irrigation companies which carry Strawberry water or Spanish Fork River water service Goshen. Goshen does have an irrigation district, Goshen Irrigation District whose sole supply comes from Currant Creek. It is assumed that during the 25-year low, Currant Creek will not be flowing and will therefore have no water to supply the Town. The only outdoor water supply expected for the City is ULS water. Goshen is contracted to receive 416 acre-feet of ULS water. Goshen's dependable water supply is projected to increase from its current level of 420 acre-feet per year to 1,040 acre-feet by 2065.

Figure 11 displays monthly supply and demand graphs for Year 2065 for Goshen. As shown in the figure, Goshen has adequate indoor and outdoor water supplies until 2065, assuming water

from springs and wells can be used outdoors.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Goshen are provided in Appendix A.

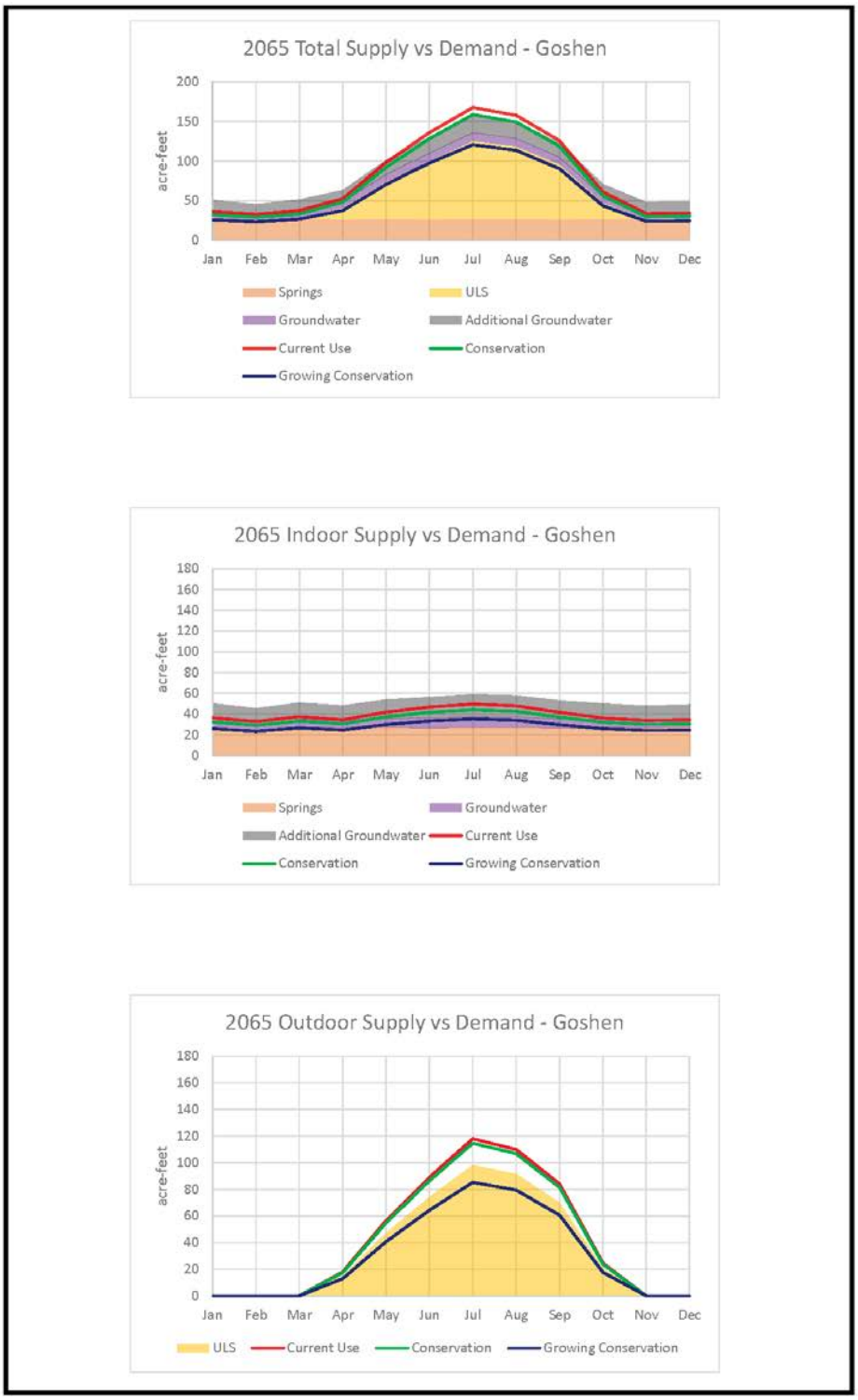


Figure 11 - Goshen 2065 Dependable Supply and Demand

Mapleton

Demand

Mapleton City is situated between Springville City and Spanish Fork City and has traditionally been known for larger residential lots, small farms, and agriculture. The rural landscape of the area has been changing in recent years with the approval of numerous subdivisions, although minimum lot sizes of 1/3 acres to 2 acres have been maintained. The City has an estimated existing population is 11,400 people. The projected population for 2065 is 25,400.

The City demand for water is about 3,000 acre-feet. With current conditions of water use continued in the future, the demand is estimated to be 8,700 acre-feet in 2065. Depending on the application of conservation, the demand in 2065 could range from 7,000 acre-feet to 5,400 acre-feet.

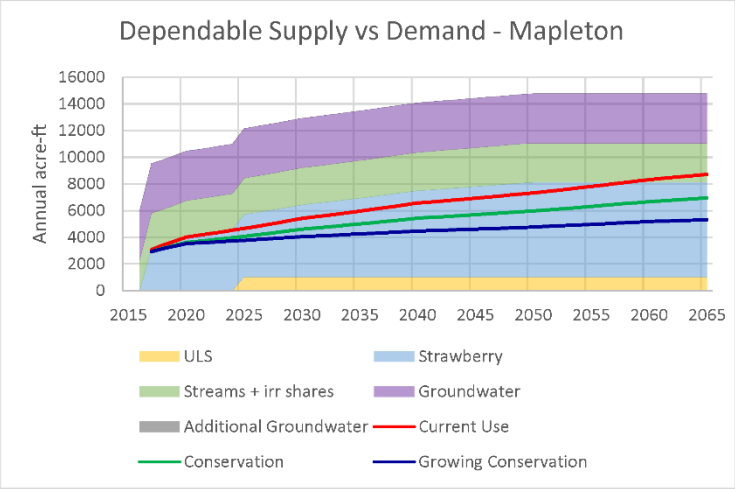


Figure 12 - Mapleton Demand Scenarios

Supply

Mapleton has three springs (Dunham, Right Hand Fork, Serviceberry) and four wells (Carnesecca Well #3, Crowd Canyon, Seal Well #4, Westwood Well #2) which provide drinking water. The flow of the springs is categorized in the MP as being highly variable and not reliable. Serviceberry Springs had historically been a good source of water for Mapleton, producing as much as 1,200 gallons per minute in wet years. In recent dry years, the Springs have produced as little as 50 gallons per minute. For this study, it was assumed that the springs do not produce water in a 25-year low.

Mapleton's 2018 well use totaled 3,720 acre-feet. No additional groundwater is expected to be developed because groundwater withdrawals in the Mapleton area (5,231 AF) are already greater than the safe yield (4,700 AF).

Mapleton's pressurized irrigation water system is supplied by water from Hobble Creek, Strawberry Reservoir, and Spanish Fork River water. The 25-year irrigation season low-flow for Hobble Creek is estimated at 5,391 acre-feet per year. An additional 4,037 acre-feet occurs during the winter months.

Mapleton currently holds 2,261 acre-feet of shares in Mapleton Irrigation Company. The Mapleton area overlaps the service area of the Spanish Fork East Bench Canal Company, which received Spanish Fork River water in 1977. Upon conversion of the agricultural land which is within both the Spanish Fork East Bench Canal Company and the Mapleton area, Mapleton City was assumed to receive 237 acre-feet of Spanish Fork River water.

The Mapleton area also overlaps the Mapleton and Springville Irrigation Districts, which receive SVP water. Between the SID, MID, and the Spanish Fork East Bench Canal Company, the Mapleton area was assumed to have claim to a total of 7,102 acre-feet of SVP water. Of this total Strawberry volume available to the area, Mapleton City currently receives 60 acre-feet through the Mapleton-Springville Strawberry Pipeline.

Mapleton is contracted to receive 1,009 acre-feet of ULS water upon completion of the ULS pipeline. The total dependable water supply is expected to increase from its current level of 9,900 acre-feet per year to approximately 15,000 acre-feet by 2065.

Figure 13 displays monthly supply and demand graphs for Year 2065 for Mapleton. As shown in the figure, Mapleton has adequate indoor and outdoor water supplies through 2065.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Mapleton are provided in Appendix A.

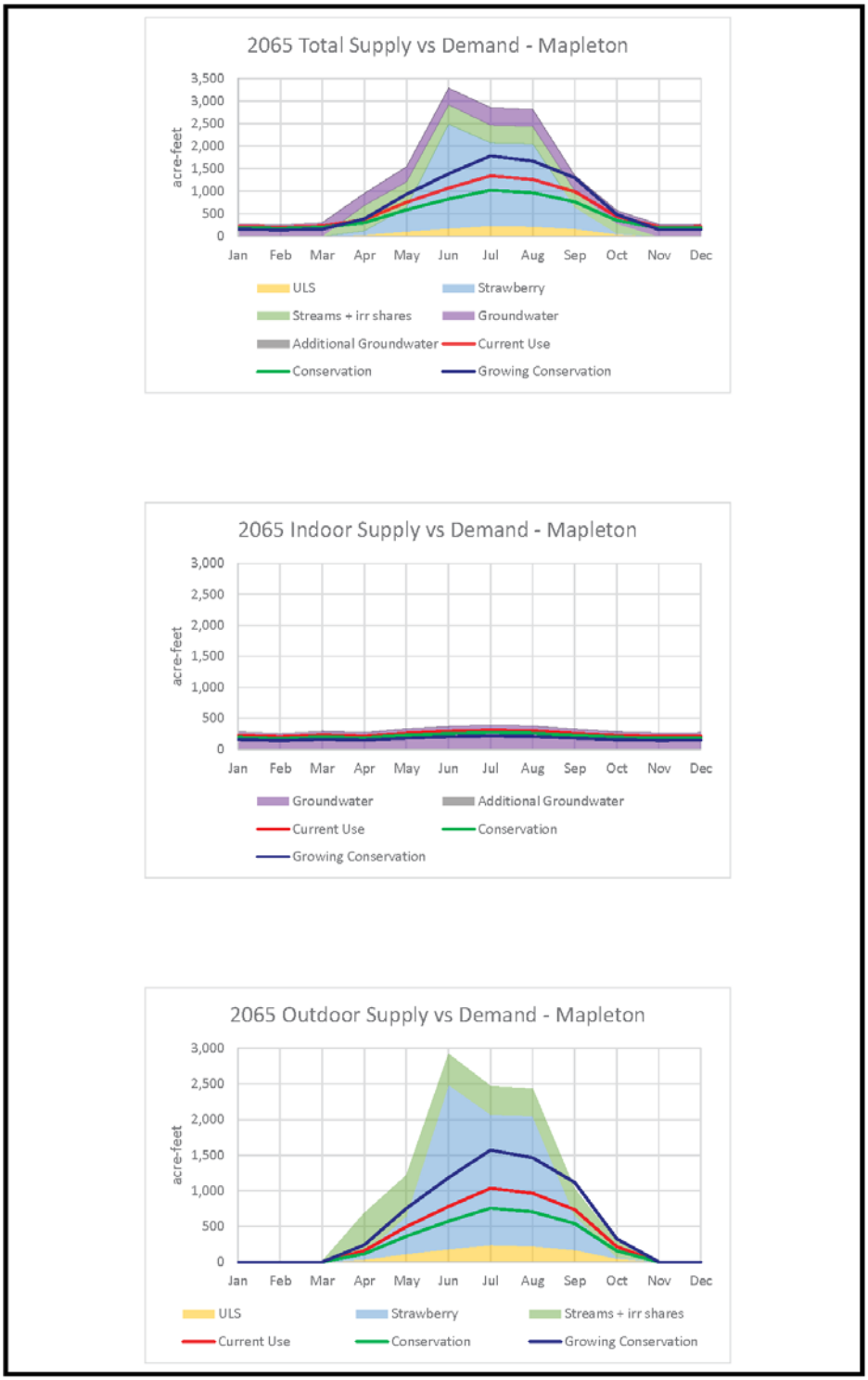


Figure 13 - Mapleton 2065 Dependable Supply and Demand

Payson

Demand
Payson City has an estimated existing population of 21,600 people. The projected population for 2065 is 90,200 people, just over four times the current population.

The use of secondary water at the Nebo Power Plant was estimated using City billing data. This use was considered static and was taken into account when estimating the number of ERCs used to estimate increasing outdoor use with population.

The City demand for water is about 9,000 acre-feet per year. Depending on the application of conservation, the demand in 2065 could range from 33,600 acre-feet to 26,000 acre-feet.

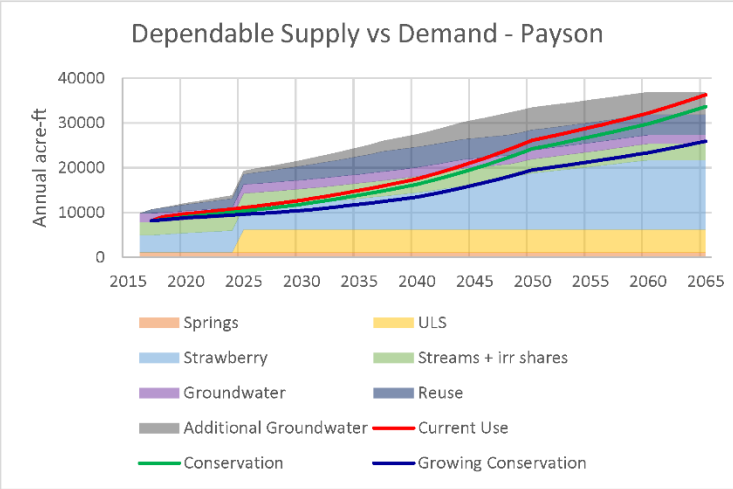


Figure 14 - Payson Demand Scenarios

Supply
Payson has seven springs (Watercress, Rattle Snake, Honey Comb, Maple Dell, Rush Flat, Amos, and Daley) and five wells (No. 1, No. 2, No. 5, Gladstan, 800 S) which provide drinking water. According to the MP, the springs produce a reliable flow of 700 gpm, which is 1,129 acre-feet per year. The wells which are currently operating provided 1986 acre-feet in 2018. The infrastructure in those same wells is capable of producing 4,000 gpm (6,456 acre-feet per year) running continually. Currently the Gladstan Well only provides water for the golf course. The 800 South Well is being rehabilitated and will be a future source.

Additional groundwater is expected to be developed as growth occurs which could account for 7,930 acre-feet per year. Development of new wells is expected to be limited by the safe yield (7,930 AF) of the groundwater aquifer.

Payson's pressurized irrigation water system is supplied by water from Peteetneet Creek, Spring Lake, Strawberry Reservoir and several canal companies. A stream gage recorded daily data from 1948 to 1962 which shows that Peteetneet Creek produced 2,675 acre-feet during the irrigation season with an additional 1,094 acre-feet during the winter months for the low-year on record (1961). Payson has the only water rights to the flow of Peteetneet Creek. Payson also

holds shares valued at 229 acre-feet of groundwater in Spanish Fork South Irrigation Company.

The area of Payson is overlapped by three irrigation companies (Highline Division, Spanish Fork South Irrigation Company, and Salem Irrigation Company) which received Strawberry water in 1977. The total Strawberry water that the area is expected to receive in a low-year is 15,529 acre-feet. Payson currently owns shares valued at 3,790 acre-feet of Strawberry water.

During 1977, the Payson area received 1,939 acre-feet of Spanish Fork River from the Spanish Fork South Irrigation Company and Salem Irrigation Company. Salem owns 788 of the 2,208 shares of the Salem Irrigation Company which is approximately 302 acre-feet of Spanish Fork River water during a low year. The remaining volume available to the Payson area after deducting the Salem volume is 1,637 acre-feet of Spanish Fork River water. Currently Payson does not hold any shares to this water; however, it is expected that they will acquire the rights as development occurs.

Payson is contracted to receive 5,051 acre-feet of ULS water upon completion of the ULS pipeline. Payson also has an approved reuse permit of 4,532 and currently reuses 864 acre-feet of this right. It is expected that Payson will exercise approximately 175 acre-feet more of their right each year until they reach their total reuse right which is expected to occur in 2037. The total existing outdoor water annual supply volume is estimated at 6,694 acre-feet per year.

The total dependable water supply is anticipated to increase from its current level of 13,600 acre-feet per year to 36,900 acre-feet by 2065.

Figure 15 displays monthly supply and demand graphs for Year 2065 for Payson. The graphs show a significant shortage of water for indoor use in 2065.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Payson are provided in Appendix A.

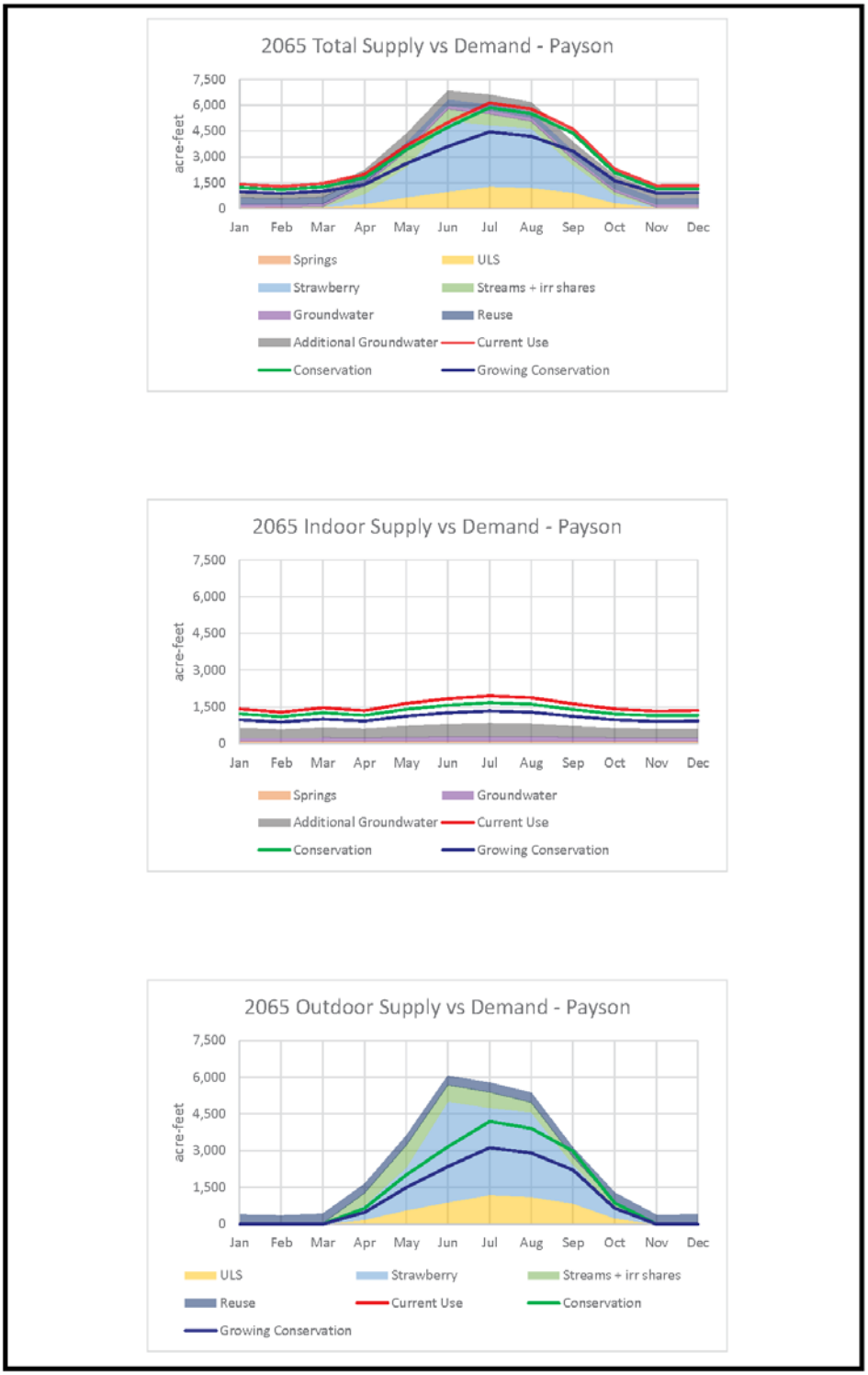


Figure 15 - Payson 2065 Dependable Supply and Demand

Salem

Demand

Salem City has an existing population of about 10,200 people. Salem is expected to see accelerated growth exceeding other communities in the study, likely due to its location, just south of Spanish Fork City and large areas of undeveloped land bordering Interstate 15. The projected population for 2065 is 68,500 people, nearly seven times the current population.

The City demand for water is about 2,600 acre-feet. With current levels of water use continued in the future, the demand is estimated to be 22,900 acre-feet in 2065. Depending on the application of conservation, the demand in 2065 could range from 18,700 acre-feet to 14,400 acre-feet.

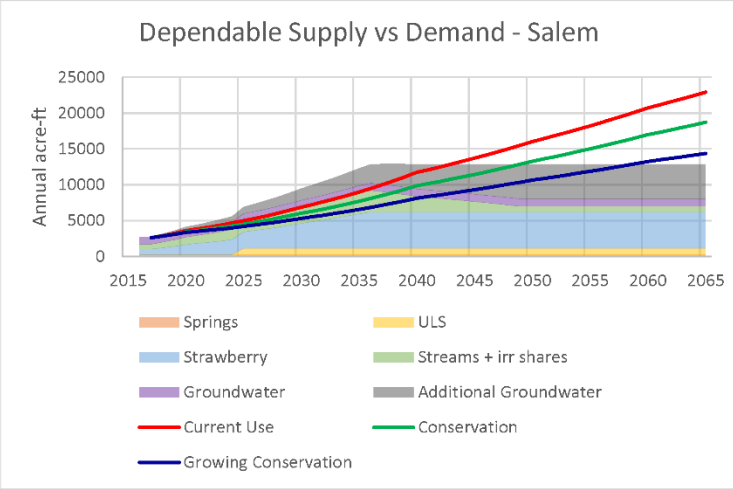


Figure 16 - Salem Demand Scenarios

Supply

Salem has one springs group (Water Canyon) and two wells (Maple Canyon, Storage Tank) which provide drinking water. According to the master plan, the springs produce a reliable annual volume flow of 110 acre-feet based on the actual production of the springs in 2016. The wells have a capacity of 3,510 gpm (5,665 acre-feet) and produced 1,036 acre-feet during 2018. Additional groundwater is expected to be developed as growth occurs which could provide 4,887 acre-feet per year.

Salem's pressurized irrigation system is supplied by water from SVP and canal companies, and is supplemented by the drinking water system. The Salem area has 18 percent of the Spanish Fork South Irrigation Company groundwater shares which are valued at 388 acre-feet. Currently the City holds no shares of this groundwater; however, they are expected to acquire this volume as development occurs.

The amount of Spanish Fork water available to the Salem area based on 1977 distributions is 2,644. Salem already owns 382 acre-feet of this and also owns shares valued at 302 acre-feet of the Payson area Spanish Fork River volume. The Spanish Fork volume available to Salem in a dry year is 2,262 acre feet.

The Salem area received 4,312 acre-feet of SVP water in 1977. Of this water, Salem City currently

receives 754 acre-feet. It is expected that as development occurs, they will acquire the remaining volume available in the area.

Salem is contracted to receive 889 acre-feet of ULS water upon completion of the ULS pipeline. The total existing outdoor water annual supply volume is estimated at 1,438 acre-feet per year.

The total dependable water supply is anticipated to increase from its current level of 2,700 acre-feet per year to 12,900 acre-feet by 2065.

Figure 17 displays monthly supply and demand graphs for Year 2065 for Salem. The graphs show a slight shortage of water for indoor use and a larger shortage for outdoor use in 2065.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Salem are provided in Appendix A.



Figure 17 - Salem 2065 Dependable Supply and Demand

Santaquin

Demand

Santaquin City has experienced rapid population growth within the past few decades that is expected to continue. The City currently has a population of about 13,300 people. By 2065, the City population is projected to be 57,700 people, more than four times their current population.

The City currently has a demand of approximately 4,000 ac-ft of water for municipal use. When the population of the City reaches 57,700 people, it is anticipated that the City will use 16,600 ac-ft of water with current use patterns of water use. With conservation and growing conservation, it is estimated that the City can decrease its total water use from 13,800 to 10,600 acre-feet.

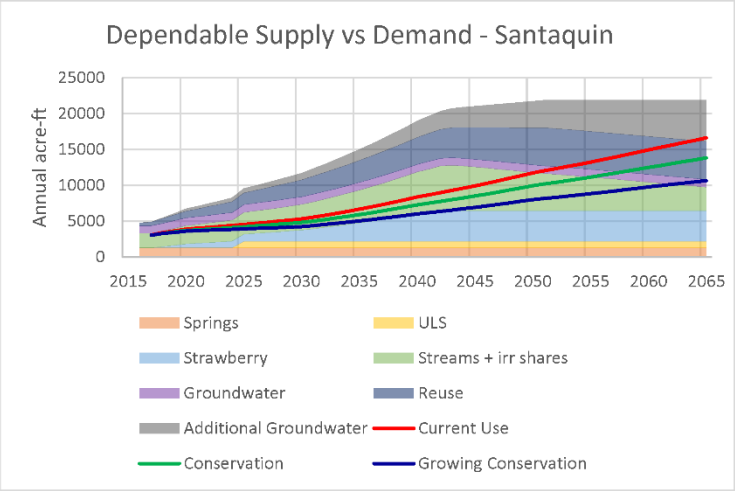


Figure 18 - Santaquin Demand Scenarios

Supply

Santaquin has one springs group (Gravity 2-5) and two wells (Cemetery, Summit Ridge) which provide drinking water. According to the City's master plan, the springs produce a reliable annual volume flow of 1,290 acre-feet. The wells produced 1,063 acre-feet during 2018.

Additional groundwater is expected to be developed as growth occurs which could account for 5,760 acre-feet per year.

A portion of Santaquin's pressurized irrigation water system is supplied by water from Summit Creek Irrigation and Canal Company. A stream gage recorded daily data from 1911 through 1915 and from 1955 through 19652 which shows that Summit Creek produced 2,500 acre-feet during the irrigation season with an additional 1,044 acre-feet during the winter months for the low-year on record (1961). There is now a new stream gage on Summit Creek with only a few years of data.

The Highline Division overlaps Santaquin. During 1977, the area north of Santaquin received 3,084 acre-feet of SVP water. As the City grows to the north, that water supply could become available for municipal use. As the Highline Division did not receive any Spanish Fork River water in 1977, it was assumed they will not receive any Spanish Fork River water in a future 25-year low flow event.

Santaquin is contracted to receive 889 acre-feet of ULS water upon completion of the ULS pipeline. Santaquin also has an approved reuse permit of 5,303 acre-feet and currently reuses 400 acre-feet of this right. It is expected that Santaquin will increase its reuse over time, but may not reach the maximum allowed by water rights. The amount of reuse water shown on the graphs is based on the maximum that would be allowed under current water rights. The total existing outdoor water annual supply volume is estimated at 2,410 acre-feet per year.

The total dependable water supply is anticipated to increase from its current level of 4,900 acre-feet per year to 21,900 acre-feet by 2065.

Figure 19 displays monthly supply and demand graphs for Year 2065 for Santaquin. The graphs show an adequate supply of water through 2065 if the delivery pattern for SVP water is adjusted slightly from historical.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Santaquin are provided in Appendix A.

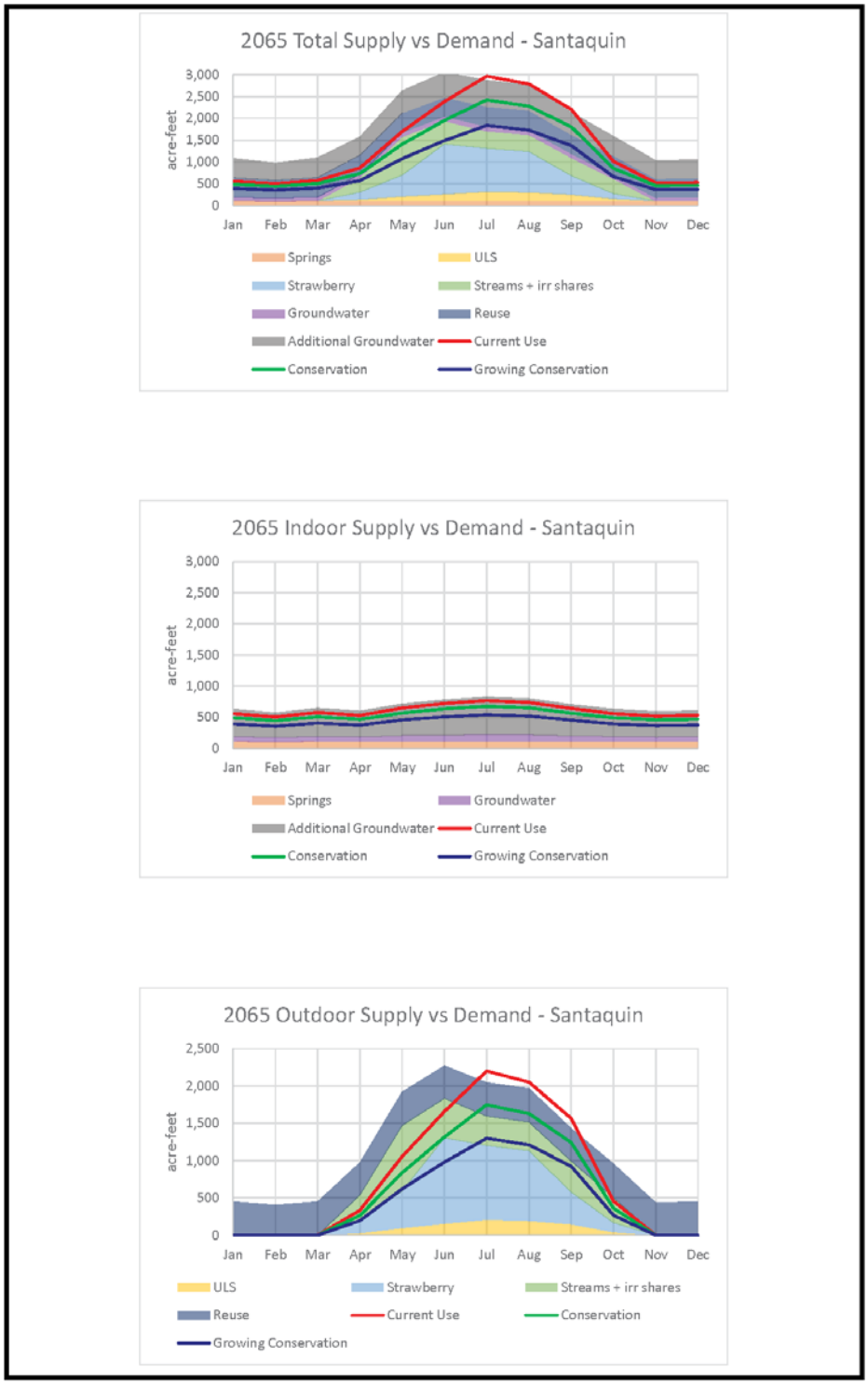


Figure 19 - Santaquin 2065 Dependable Supply and Demand

Spanish Fork

Demand

Spanish Fork City has experienced rapid growth over the past few decades and this trend is expected to continue. The estimated existing population is 43,000 people. The projected population for 2065 is 118,000 people.

The City's current demand for water is about 10,400 acre-feet per year. With current levels of water use continued in the future, the demand is estimated to be 33,900 acre-feet in 2065. With conservation, the demand could be closer to 31,900 acre-feet and with growing conservation, 24,500 acre-feet.

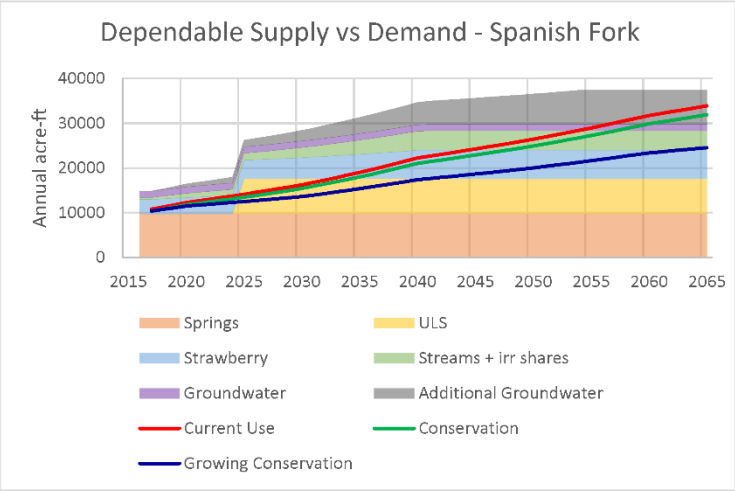


Figure 20 - Spanish Fork Demand Scenarios

Supply

Spanish Fork has three springs (Crab Creek, Cold, Malcolm) and two wells (1700 E, 2550 E) which provide drinking water. The springs produce a reliable annual volume flow of 6,020 gpm, or 9,710 acre-feet. The wells have a capacity of 2,700 gpm (4,358 acre-feet) and produced 1,449 acre-feet during 2018.

Additional groundwater is expected to be developed as growth occurs which could account for 7,600 acre-feet per year.

Spanish Fork's pressurized irrigation water system is supplied by water from SVP, Spanish Fork River, and canal companies. The Spanish Fork area has 29% of the Spanish Fork Southeast Irrigation Company groundwater shares which are valued at 1,436 acre-feet. Currently the City holds no shares of this groundwater; however, they are expected to acquire this volume as development occurs.

The Spanish Fork area is overlapped by the Springville Irrigation District, the Mapleton Irrigation District, the Spanish Fork East Bench Canal Company, the Highline Division, and the Spanish Fork South Irrigation Company. During 1977, the Spanish Fork area received 7,170 acre-feet of Strawberry water and 2,888 acre-feet of Spanish Fork River water. Currently, Spanish Fork holds shares valued at 3,246 acre-feet of Strawberry water and 425 acre-feet of Spanish Fork River

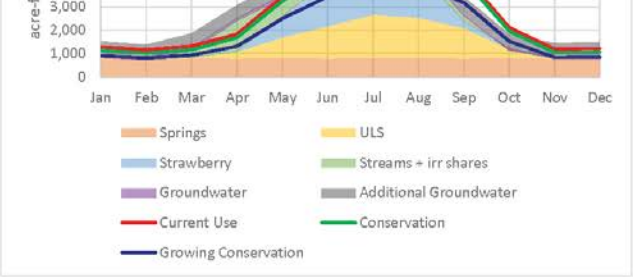
water. It is expected that they will continue to acquire the remaining volume as development occurs.

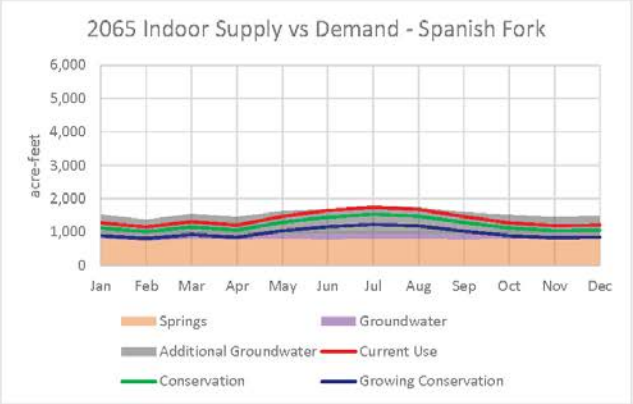
Spanish Fork is contracted to receive 7,820 acre-feet of ULS water upon completion of the ULS pipeline.

The total dependable water supply is anticipated to increase from its current level of 14,800 acre-feet per year to 37,400 acre-feet by 2065.

Figure 21 displays monthly supply and demand graphs for Year 2065 for Spanish Fork. The graphs show a shortage of water for outdoor use in 2065 for the current use and conservation demand scenarios. Although the graphs also show a slight outdoor water shortage under the growing conservation scenario, this shortage could be satisfied with available winter well water.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Spanish Fork are provided in Appendix A.





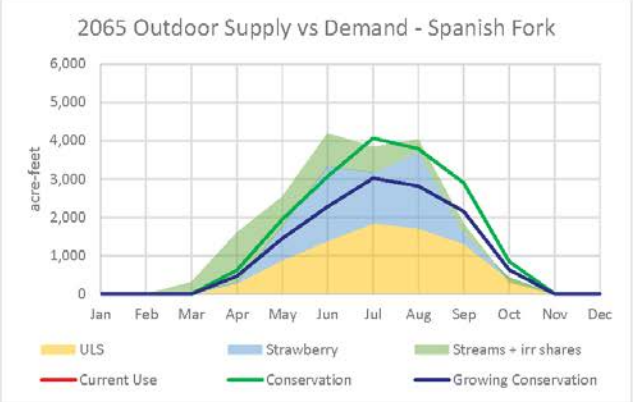


Figure 21 - Spanish Fork 2065 Dependable Supply and Demand

Springville

Demand
Springville City has an estimated existing population is 36,200 people. The projected population for 2065 is 71,100 people.

The City demand for water is about 9,600 acre-feet. As shown in Figure 22, with current levels of water use continued in the future, the demand is estimated to be 21,900 acre-feet in 2065. Depending on the application of conservation, the demand in 2065 could range from 20,900 acre-feet to 16,100 acre-feet.

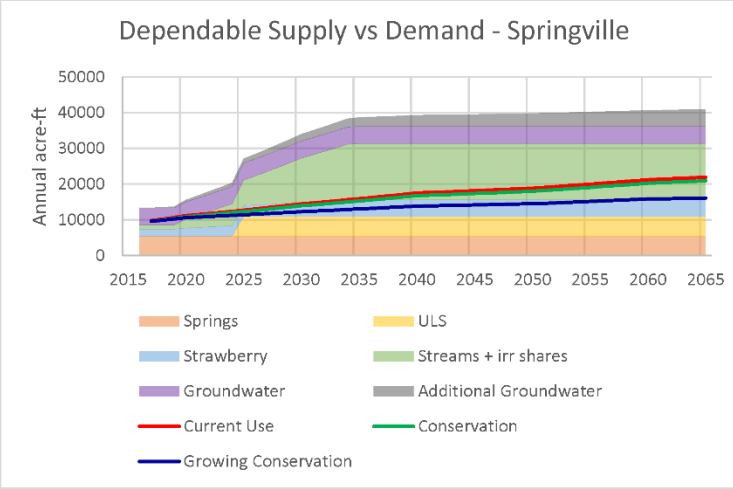


Figure 22 - Springville Demand Scenarios

Supply
The City's existing drinking water sources includes six wells and seven springs. The drinking water system meets both indoor and outdoor demands in the portions of the system east of 400 West, and for some customers physically located in the pressurized irrigation system area that have not connected to the pressurized irrigation system yet. The total reliable annual volume from the springs is 5,428 acre-feet (2019 MP). The total reliable annual volume considering water rights and existing infrastructure from the wells is 11,953 acre-feet (2019 MP). In 2018 the wells pumped 4,819 acre-feet.

Springville's pressurized irrigation system is supplied by water from Hobble Creek and SVP. Burt Springs can also supply water to the pressurized irrigation system when not being used in the drinking water system, but for this study it is considered a drinking water source. The 25-year irrigation season low-flow for Hobble Creek is estimated at 5,391 acre-feet per year. An additional 4,037 acre-feet occurs during the winter months. Spring Creek is supplied largely by springs and was accounted for in the drinking water supply and was not accounted for in the outdoor supply.

Springville currently holds 1127 acre-feet of shares in Springville Irrigation Company.

The Springville area also overlaps the Springville Irrigation District, which receives SVP water. based on this overlap, the Springville area was assumed to have claim to a total of 4,702 acre-feet of SVP water. Of this total SVP volume available to the area, Springville City currently receives 1,970 acre-feet through the Mapleton-Springville Strawberry Pipeline.

Springville is contracted to receive 5,448 acre-feet of ULS water upon completion of the ULS pipeline.

The total dependable water supply is anticipated to increase from its current level of 13,300 acre-feet per year to 40,900 acre-feet by 2065.

Figure 23 displays monthly supply and demand graphs for Year 2065 for Springville. The graphs show no shortages of water through 2065.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Springville are provided in Appendix A.

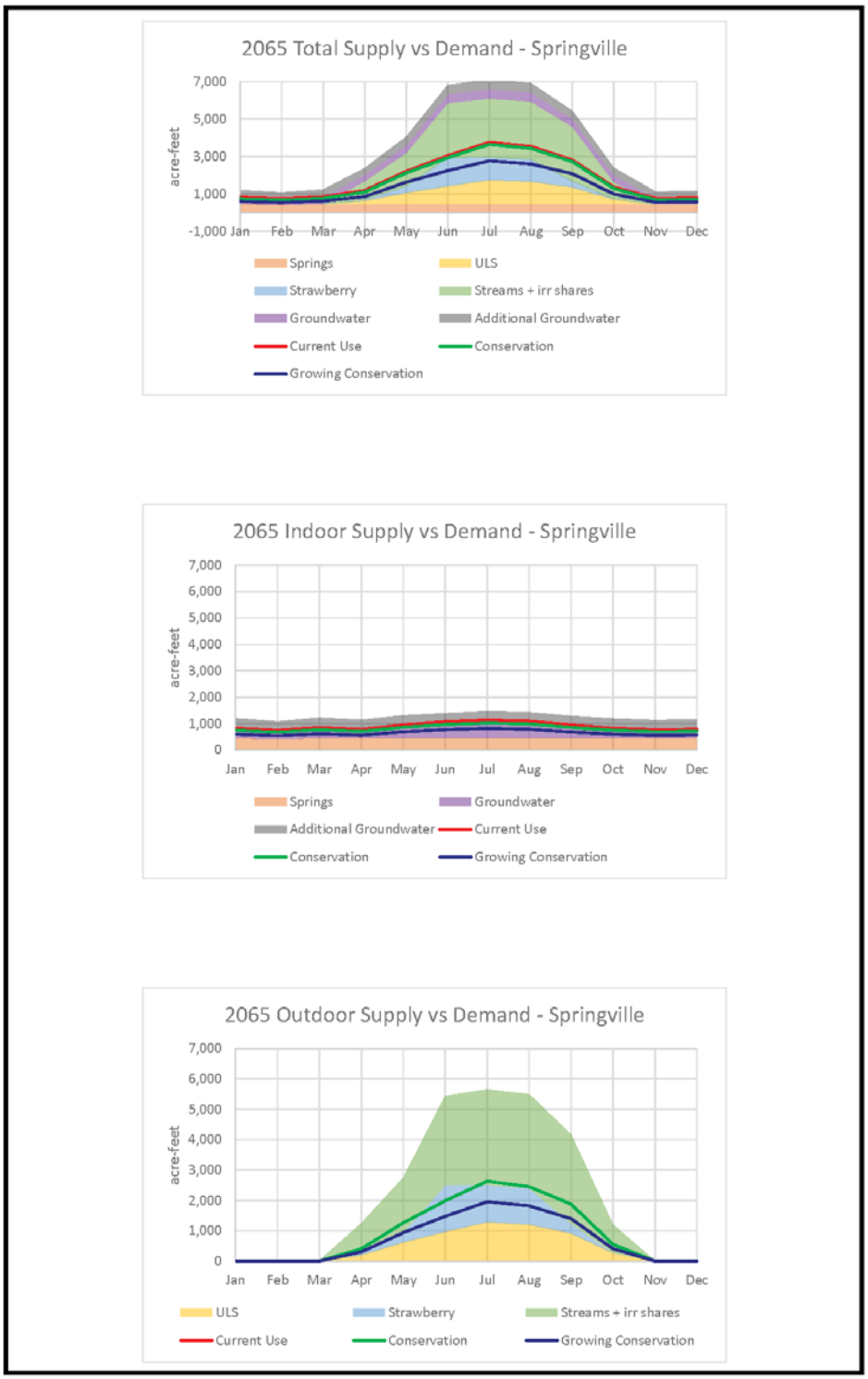


Figure 23 - Springville 2065 Dependable Supply and Demand

Woodland Hills

Demand
Woodland Hills City is in the southwestern part of Utah County, south of Salem City and east of Elk Ridge City, on the slopes of Loafer Mountain in the Wasatch Range. The City has a population of about 1,600 people. The population is projected to be 2,500 in the year 2065.

The City currently uses approximately 300 ac-ft of water for municipal use. When the population reaches 2,500 people, it is anticipated that there will be a demand of between 500 acre-feet and 400 acre-feet of water depending on conservation.

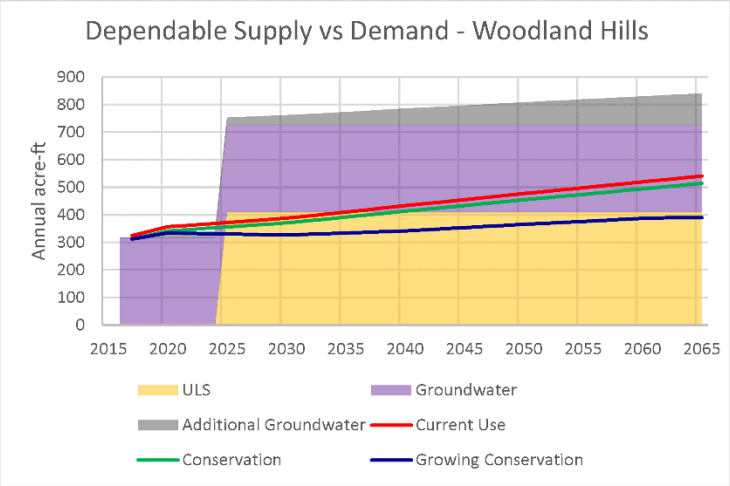


Figure 24 - Woodland Hills Demand Scenarios

Woodland Hills has zero springs and two wells (Broadhollow, Maple Canyon) which provide drinking water. The Broadhollow well was recently constructed and did not supply water in 2018 due to its recent construction. The 2018 use of 317 acre-feet came exclusively from the Maple Canyon well which is a source owned 40% by Woodland Hills and 60% by Salem City. The MNWA report estimates a safe yield for Woodland Hills of 2,150 acre-feet per year. Additional groundwater is expected to be developed as growth occurs which will account for 114 acre-feet per year. The total existing drinking water annual supply volume is estimated at 317 acre-feet per year. The total 2065 drinking water annual supply volume is estimated at 430 acre-feet per year.

Due to lack of streams in the area and in part, the elevation of Woodland Hills (which prohibit irrigation companies from servicing the area readily), Woodland Hills currently has no secondary system. The only outdoor water supply expected for the City in the future is ULS water. Woodland Hills is contracted to receive 410 acre-feet of ULS water. This volume constitutes the total 2065 outdoor water annual supply.

The total dependable water supply is anticipated to increase from its current level of 320 acre-feet per year to 840 acre-feet by 2065.

Figure 25 displays monthly supply and demand graphs for Year 2065 for Woodland Hills. The

graphs show an adequate indoor and outdoor water supply at Year 2065 under all demand scenarios.

Graphs showing the comparison of supply and demand for each decade from 2020 through 2060 for Woodland Hills are provided in Appendix A.

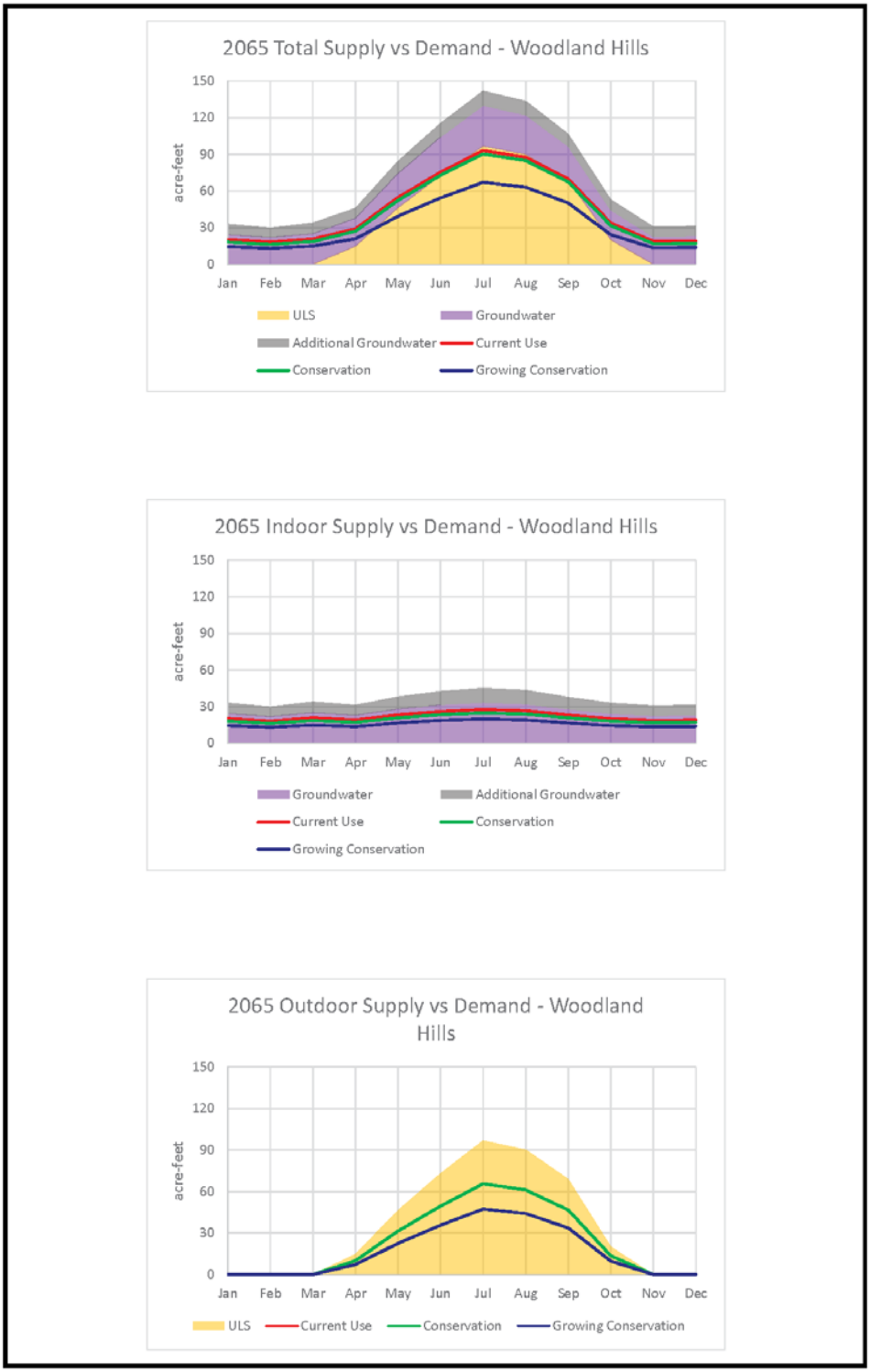


Figure 25 - Woodland Hills 2065 Dependable Supply and Demand

SOUTH UTAH COUNTY SUMMARY OF SUPPLY AND DEMAND

As shown in the analysis above, the range of future water supply shortages varies from city to city. The analysis shows the Elk Ridge, Genola, Goshen, Mapleton, Santaquin, Springville, and Woodland Hills all have adequate dependable water supply through Year 2065, with no or minor shortages under the Conservation Scenario. Several communities will be short of indoor water supply before 2065. These communities include Benjamin/Lake Shore, Payson, and Salem. In addition, Benjamin/Lake Shore, Salem, and Spanish Fork will be short of outdoor water supplies.

Table 4. South Utah County Remaining Demand based on Current Use

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Benjamin/Lakeshore	1,183	1,826	3,009	1,183	1,865	3,048	1,183	1,903	3,086	3,587	4,767	8,354	5,432	6,066	11,498	7,771	7,761	15,532
Elk Ridge	0	185	185	0	0	0	0	0	0	0	0	0	0	37	37	0	92	92
Genola	0	293	293	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goshen	0	174	174	0	0	0	0	0	0	0	0	0	0	42	42	0	84	84
Mapleton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40
Payson	1,180	0	1,180	1,817	0	1,817	2,815	0	2,815	5,190	0	5,190	8,286	0	8,286	10,396	0	10,396
Salem	0	0	0	0	0	0	57	0	57	346	3,395	3,741	2,157	5,755	7,912	2,992	7,083	10,075
Santaquin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spanish Fork	0	1,632	1,632	0	0	0	0	13	13	0	386	386	0	998	998	0	1,465	1,465
Springville	0	1,316	1,316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Woodland Hills	0	175	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2,363	5,601	7,964	3,000	1,865	4,865	4,055	1,916	5,971	9,123	8,548	17,671	15,875	12,898	28,773	21,159	16,525	37,684

Table 5. South Utah County Remaining Demand based on Conservation

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Benjamin/Lakeshore	1,180	1,817	2,997	1,180	1,845	3,025	1,180	1,874	3,054	2,857	2,722	5,579	4,438	3,290	7,728	6,443	4,081	10,524
Elk Ridge	0	410	410	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29
Genola	0	283	283	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goshen	0	174	174	0	0	0	0	0	0	0	0	0	0	29	29	0	70	70
Mapleton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Payson	521	0	521	926	0	926	1,560	0	1,560	3,285	0	3,285	5,938	0	5,938	7,747	0	7,747
Salem	0	0	0	0	0	0	0	0	0	0	396	396	1,105	1,676	2,781	1,820	2,399	4,219
Santaquin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spanish Fork	0	1,632	1,632	0	0	0	0	13	13	0	386	386	0	998	998	0	1,465	1,465
Springville	0	1,316	1,316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Woodland Hills	0	175	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,701	5,807	7,508	2,106	1,845	3,951	2,740	1,887	4,627	6,141	3,504	9,645	11,480	5,994	17,474	16,010	8,043	24,053

Table 6. South Utah County Remaining Demand based on Growing Conservation

City	2020			2030			2040			2050			2060			2065		
	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total	Indoor	Outdoor	Total
Benjamin/Lakeshore	1,166	1,763	2,929	1,105	1,548	2,653	1,070	1,436	2,506	2,309	981	3,290	3,650	1,807	5,457	5,371	5,273	10,644
Elk Ridge	0	396	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Genola	0	275	275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goshen	0	168	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mapleton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Payson	481	0	481	642	0	642	993	0	993	2,335	0	2,335	4,644	0	4,644	6,203	0	6,203
Salem	0	0	0	0	0	0	0	0	0	0	7	7	358	216	574	948	329	1,277
Santaquin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spanish Fork	0	1,477	1,477	0	0	0	0	0	0	0	0	0	0	2	2	0	26	26
Springville	0	1,199	1,199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Woodland Hills	0	169	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,647	5,447	7,094	1,747	1,548	3,295	2,063	1,436	3,499	4,644	988	5,632	8,652	2,025	10,677	12,522	5,628	18,150

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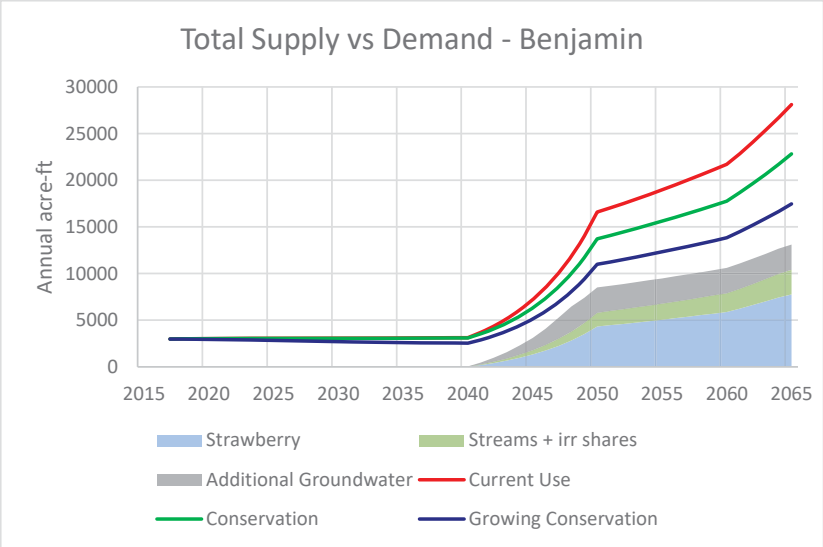
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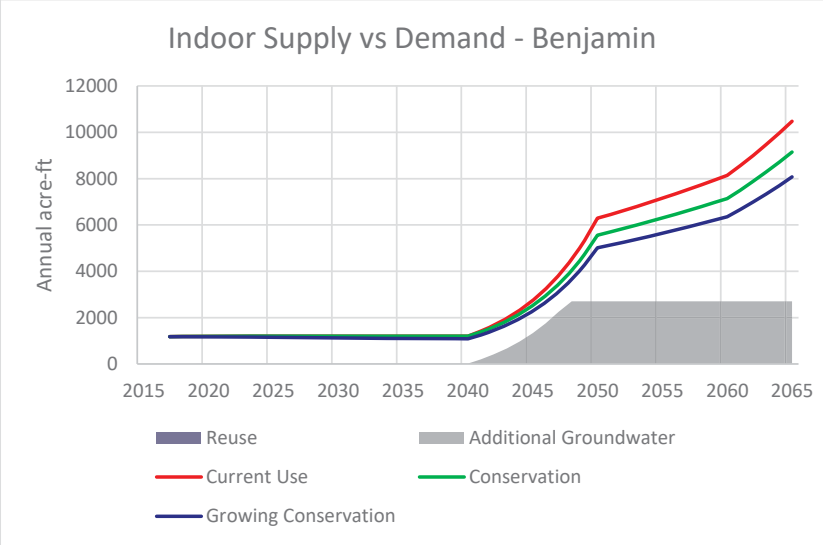
APPENDIX A

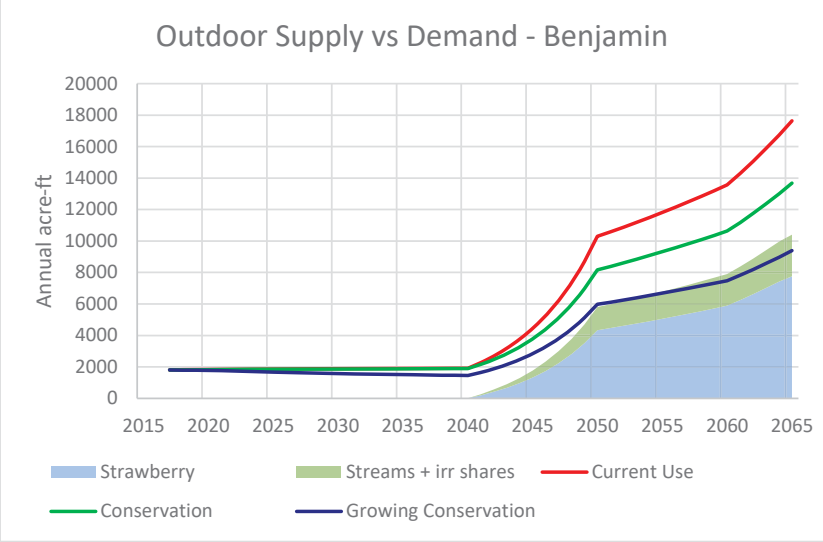
LONG-TERM SUPPLY & DEMAND GRAPHS BY CITY

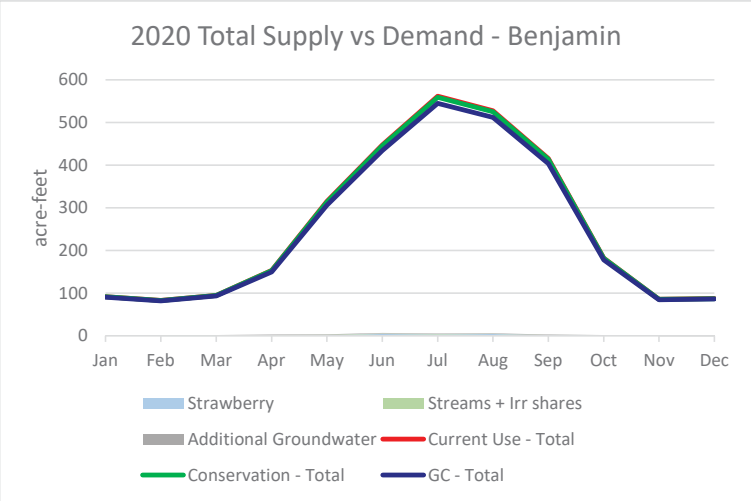
MONTHLY SUPPLY & DEMAND GRAPHS BY CITY

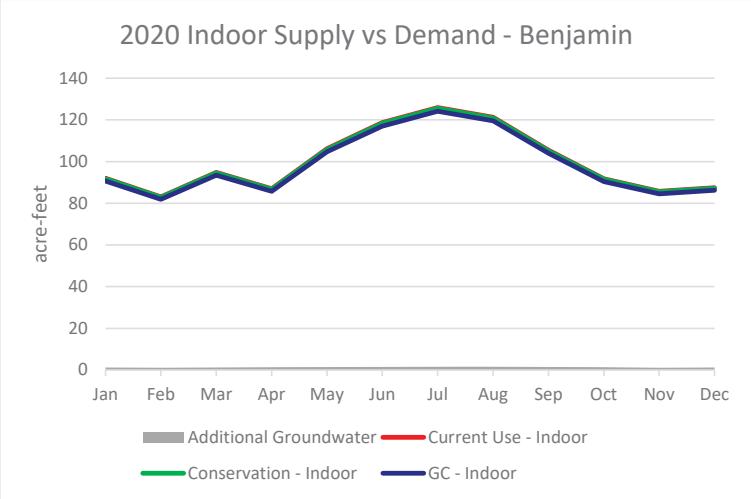
BENJAMIN/LAKESHORE

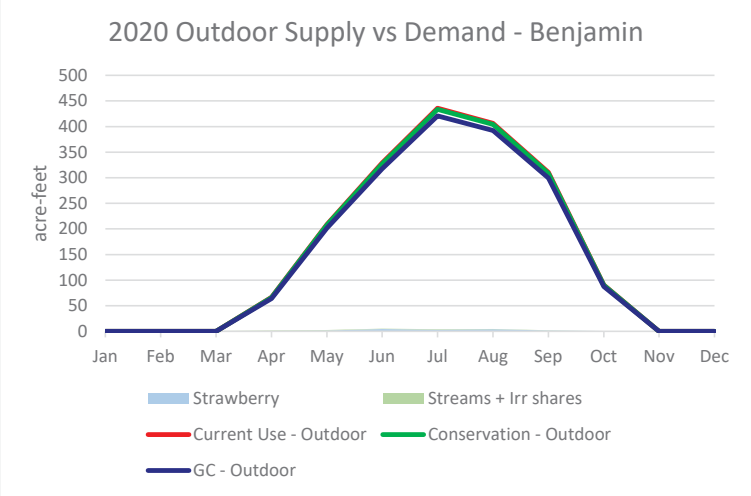

Total Supply vs Demand - Benjamin
Annual acre-ft
30000
25000
20000
15000
10000
5000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Strawberry
Streams + irr shares
Additional Groundwater
Current Use
Conservation
Growing Conservation

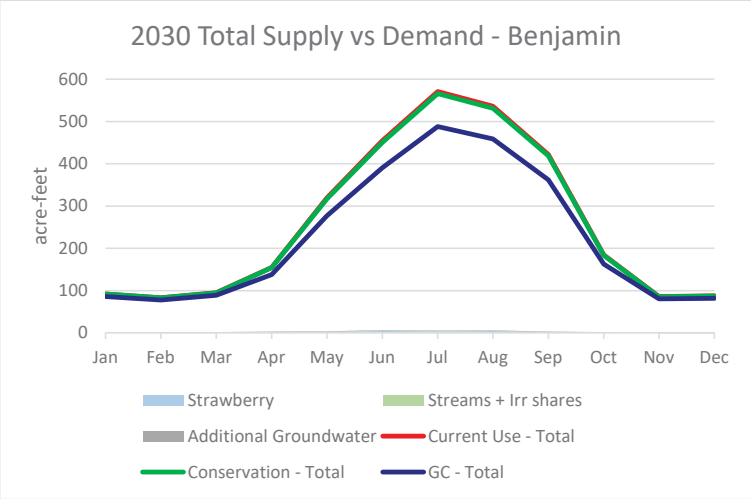

Indoor Supply vs Demand - Benjamin
Annual acre-ft
12000
10000
8000
6000
4000
2000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Reuse
Additional Groundwater
Current Use
Conservation
Growing Conservation

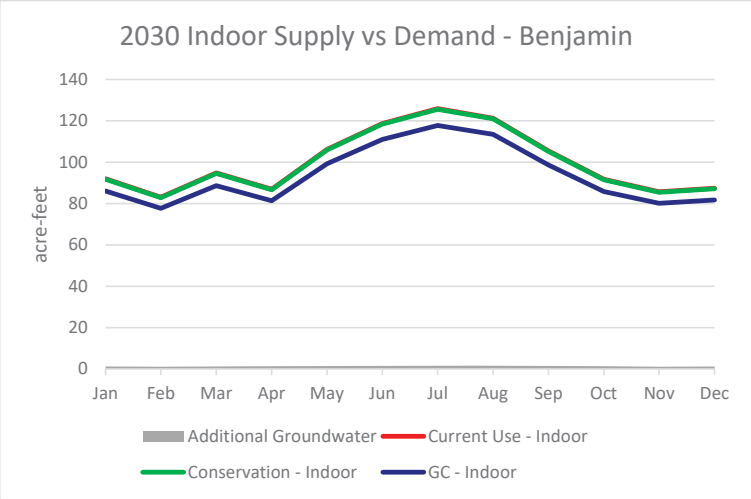

Outdoor Supply vs Demand - Benjamin
Annual acre-ft
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

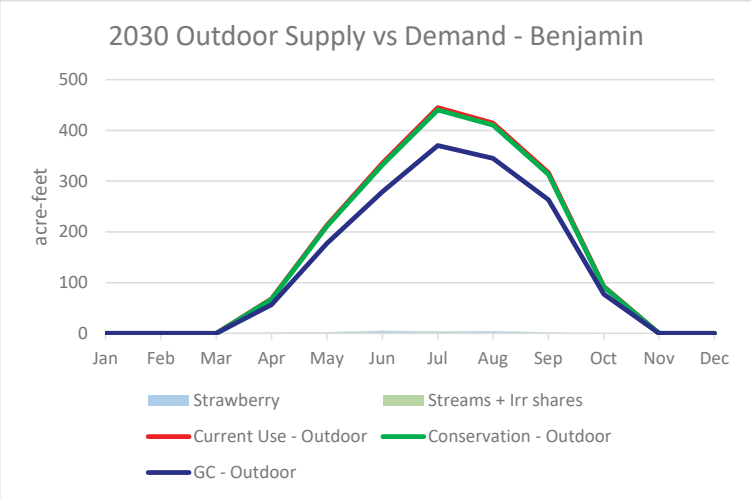

2020 Total Supply vs Demand - Benjamin
acre-feet
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

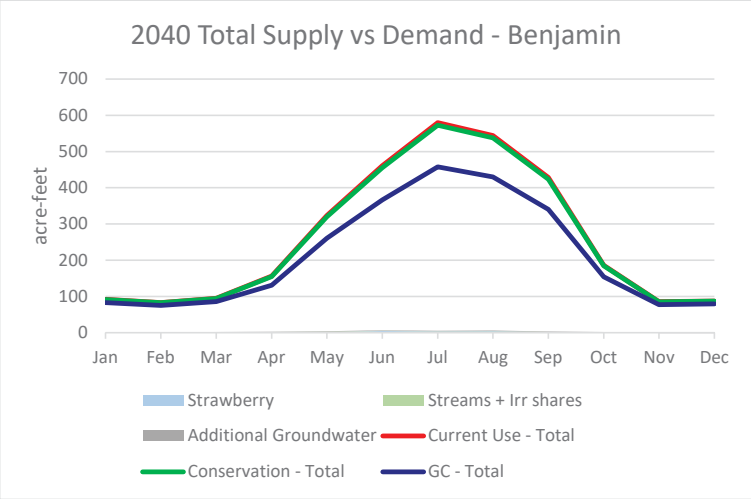

2020 Indoor Supply vs Demand - Benjamin
acre-feet
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

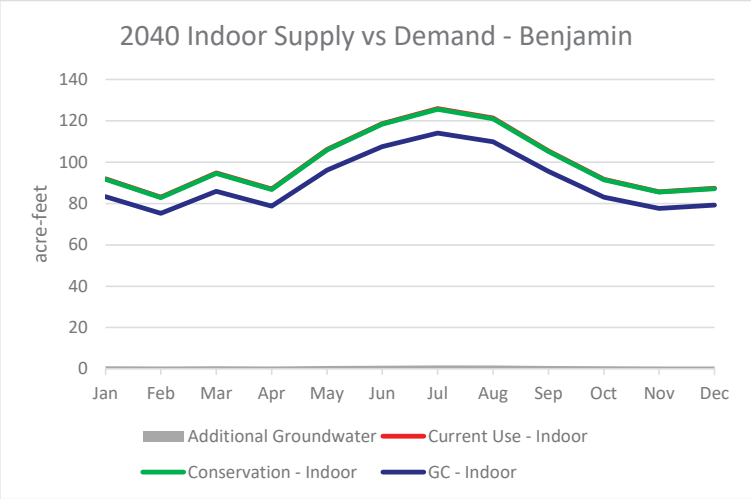

2020 Outdoor Supply vs Demand - Benjamin
acre-feet
500
450
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

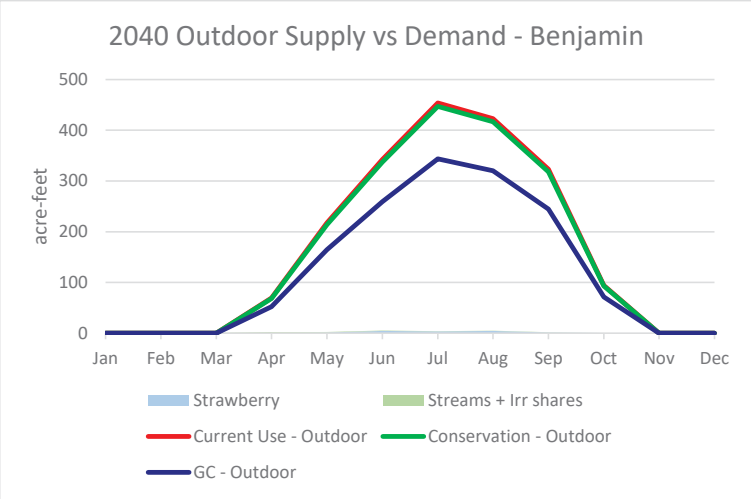

2030 Total Supply vs Demand - Benjamin
acre-feet
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

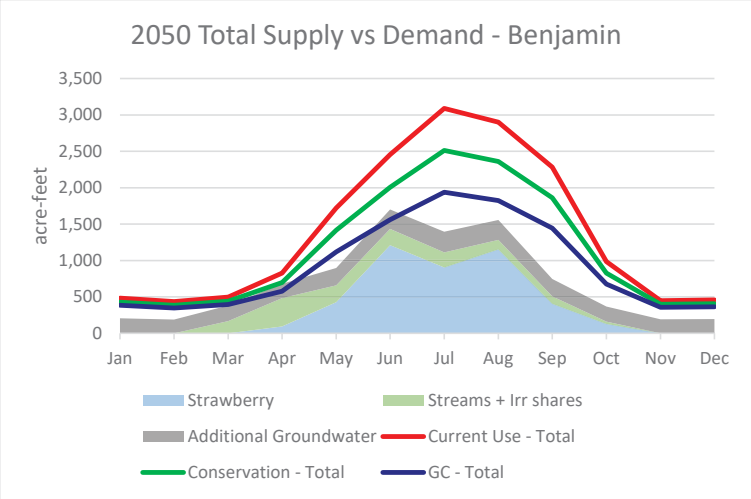

2030 Indoor Supply vs Demand - Benjamin
acre-feet
140
120
100
80
60
40
20
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

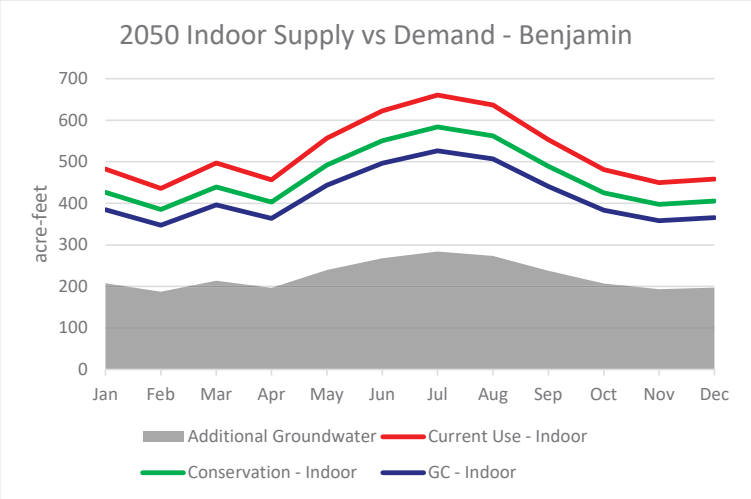

2030 Outdoor Supply vs Demand - Benjamin
acre-feet
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

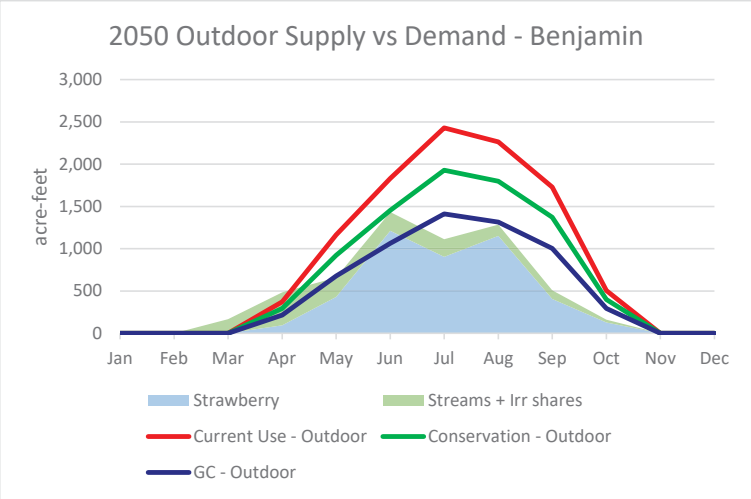

2040 Total Supply vs Demand - Benjamin
700
600
500
400
300
200
100
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

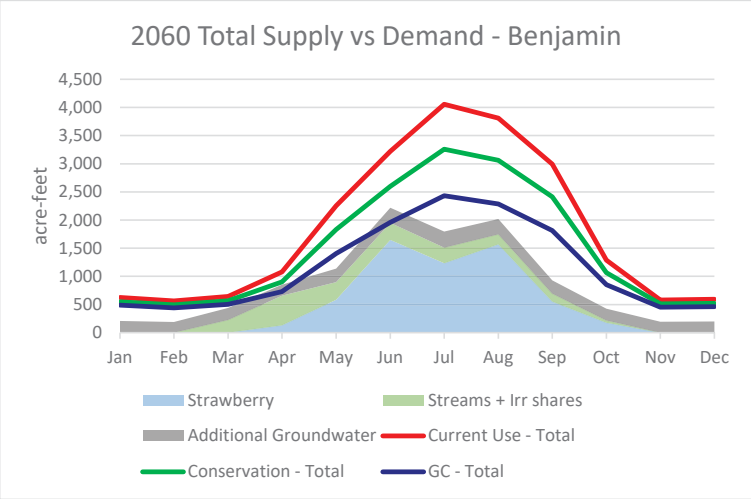

2040 Indoor Supply vs Demand - Benjamin
140
120
100
80
60
40
20
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

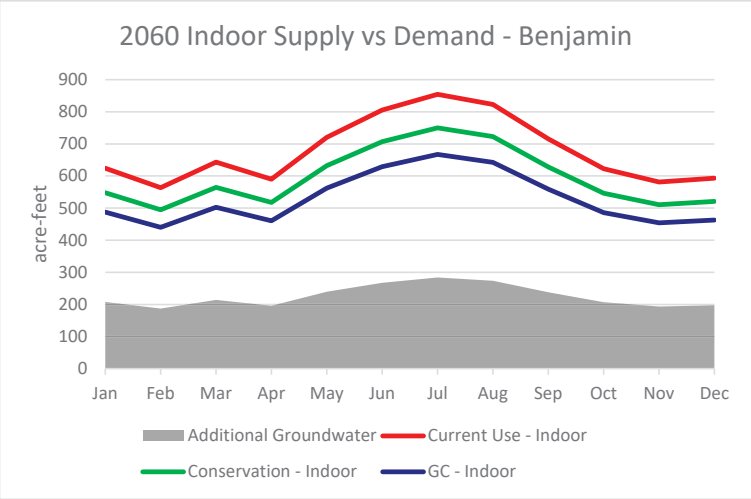

2040 Outdoor Supply vs Demand - Benjamin
500
400
300
200
100
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

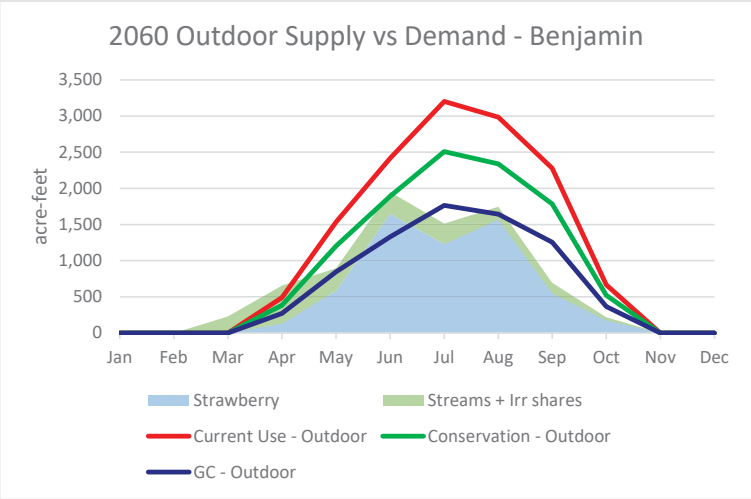

2050 Total Supply vs Demand - Benjamin
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

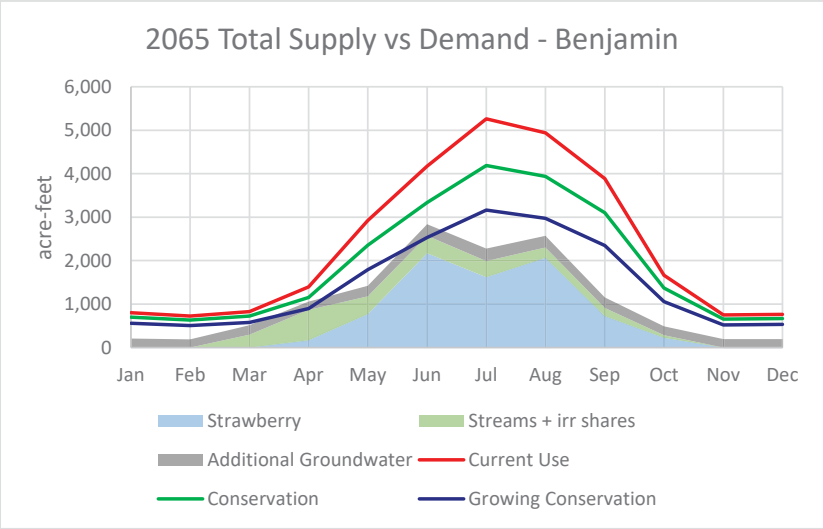

2050 Indoor Supply vs Demand - Benjamin
acre-feet
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

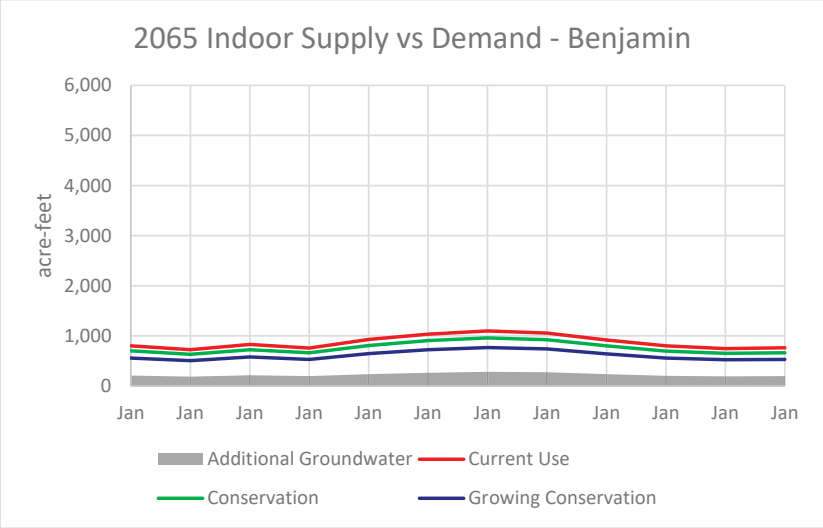

2050 Outdoor Supply vs Demand - Benjamin
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

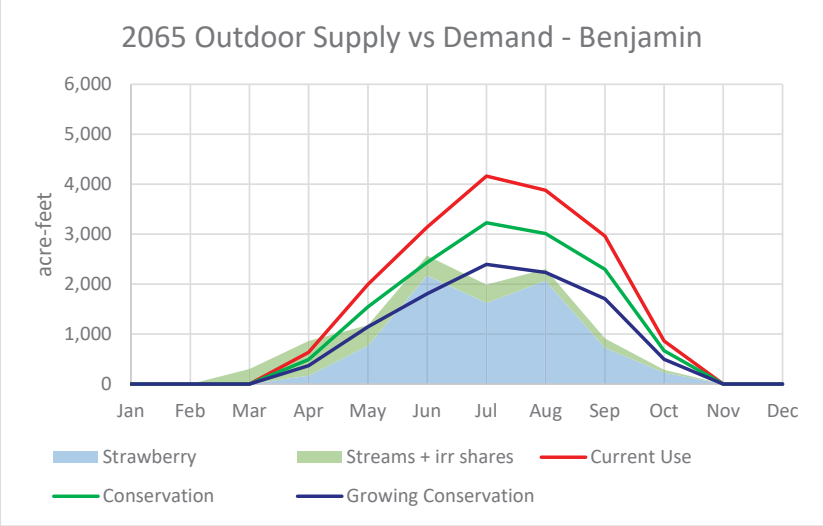

2060 Total Supply vs Demand - Benjamin
acre-feet
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Benjamin
acre-feet
900
800
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

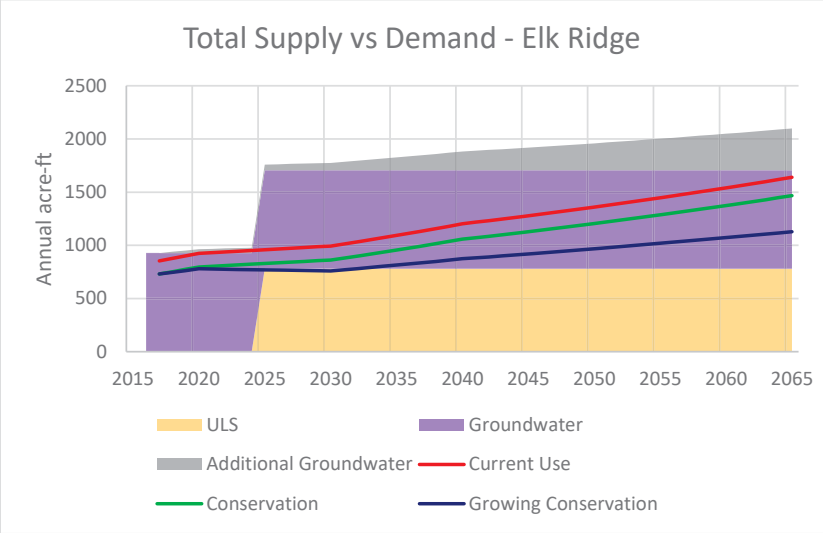

2060 Outdoor Supply vs Demand - Benjamin
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

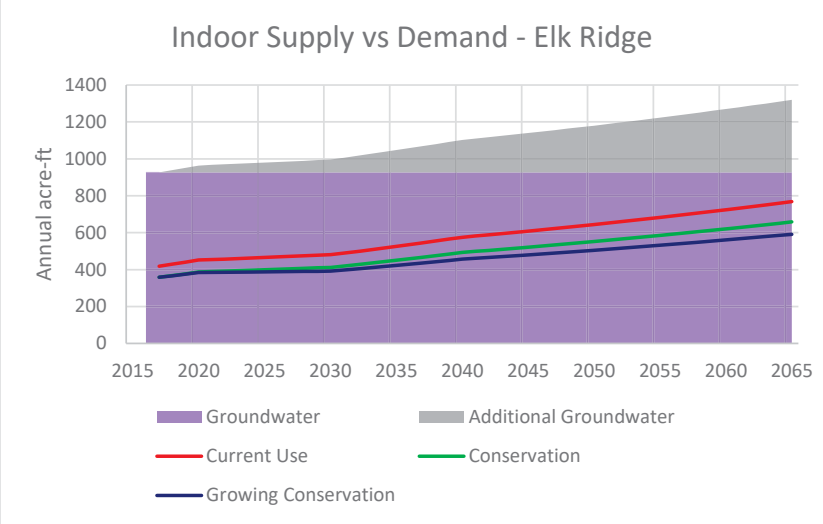

2065 Total Supply vs Demand - Benjamin
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + irr shares
Additional Groundwater
Current Use
Conservation
Growing Conservation

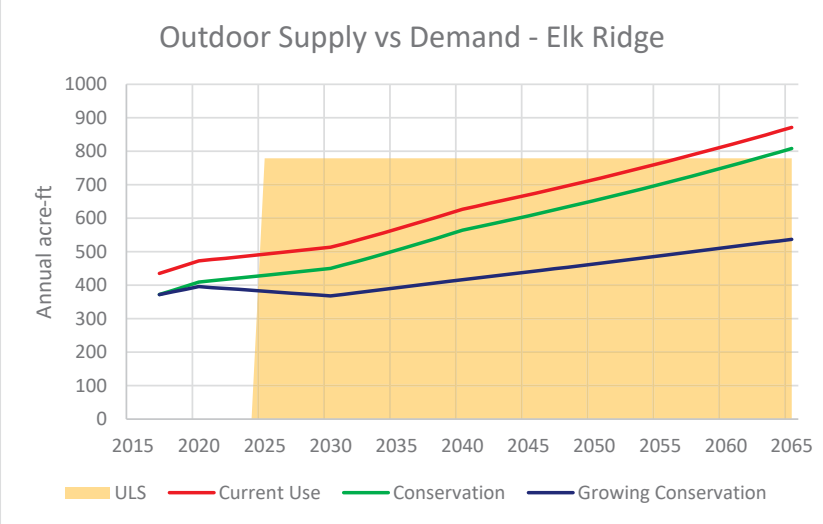

2065 Indoor Supply vs Demand - Benjamin
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan
Additional Groundwater
Current Use
Conservation
Growing Conservation

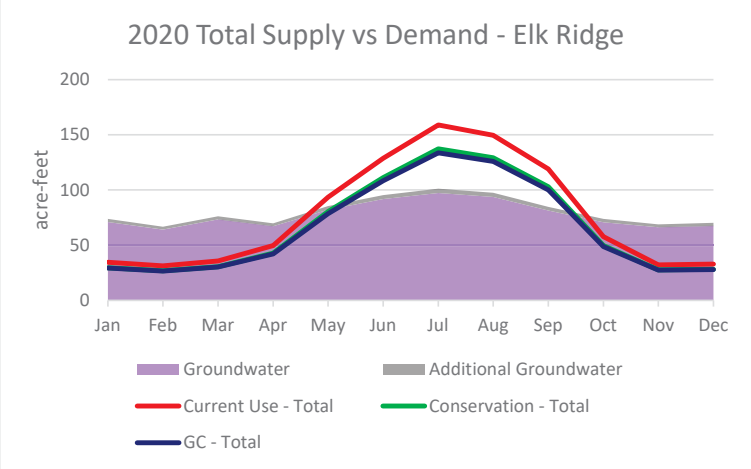

2065 Outdoor Supply vs Demand - Benjamin
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

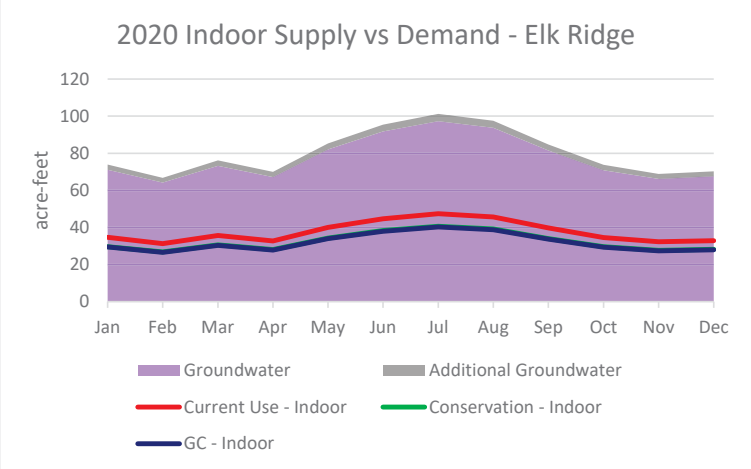
ELK RIDGE

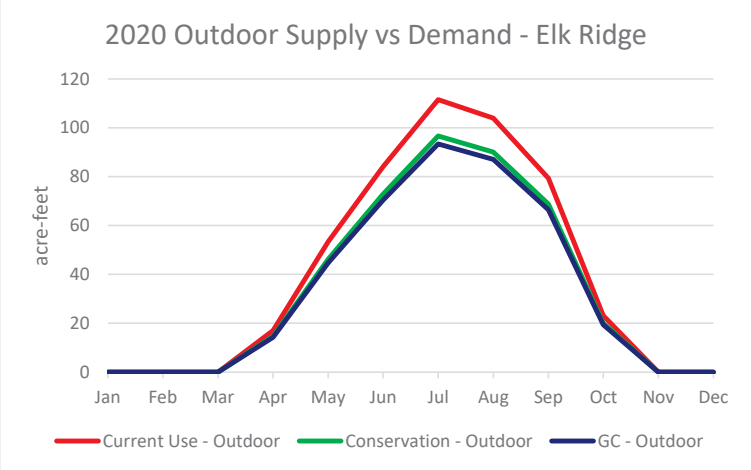

Total Supply vs Demand - Elk Ridge
Annual acre-ft
2500
2000
1500
1000
500
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

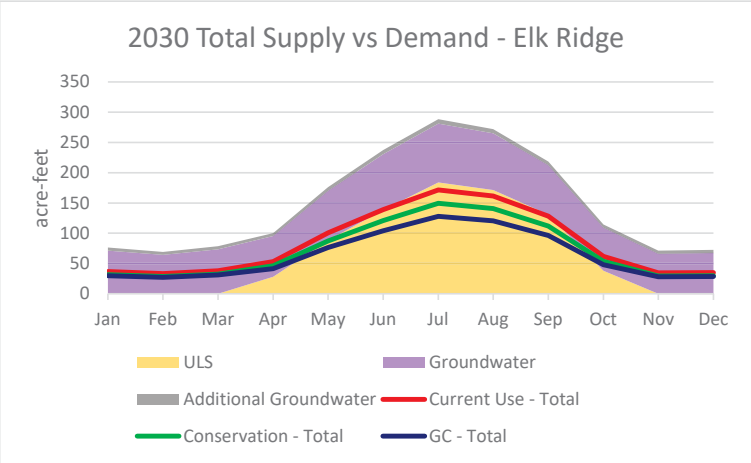

Indoor Supply vs Demand - Elk Ridge
Annual acre-ft
1400
1200
1000
800
600
400
200
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

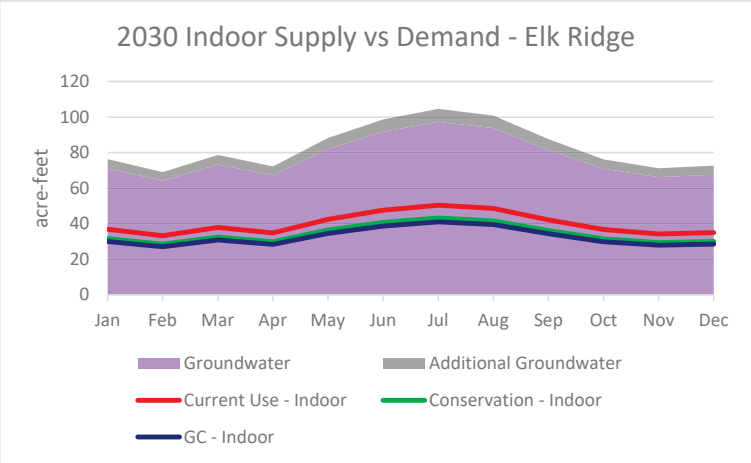

Outdoor Supply vs Demand - Elk Ridge
Annual acre-ft
1000
900
800
700
600
500
400
300
200
100
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Current Use
Conservation
Growing Conservation

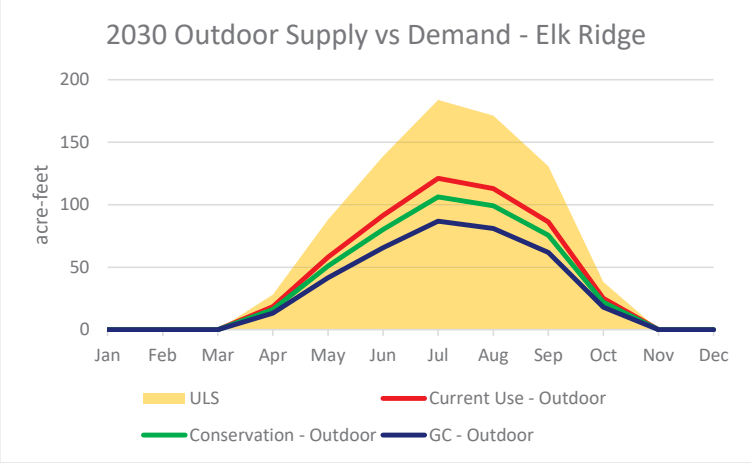

2020 Total Supply vs Demand - Elk Ridge
200
150
100
50
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

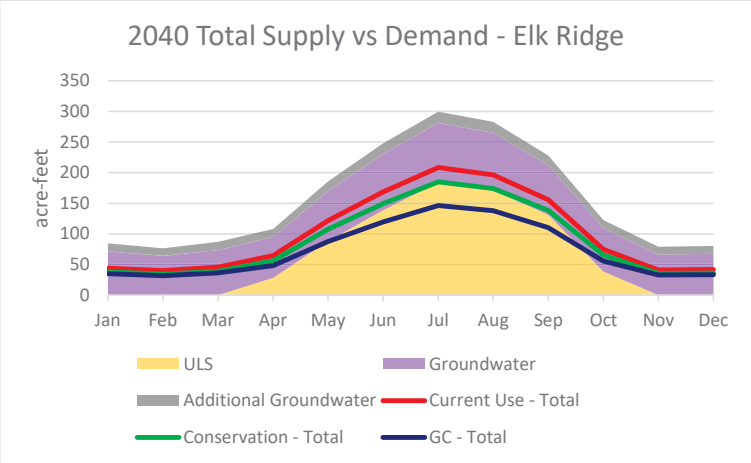

2020 Indoor Supply vs Demand - Elk Ridge
120
100
80
60
40
20
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

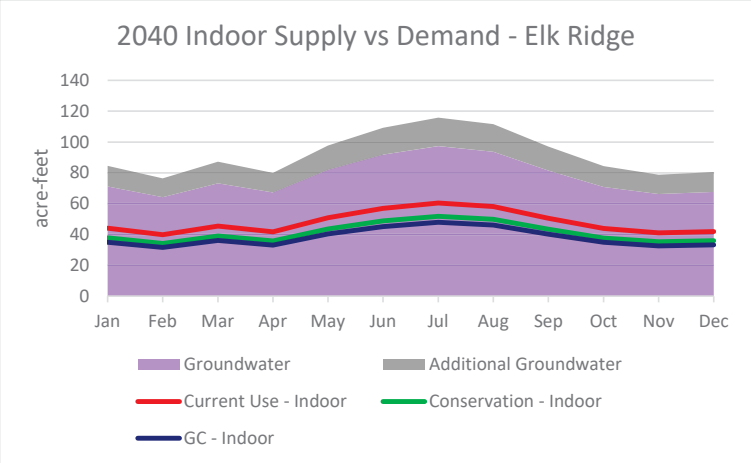

2020 Outdoor Supply vs Demand - Elk Ridge
120
100
80
60
40
20
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

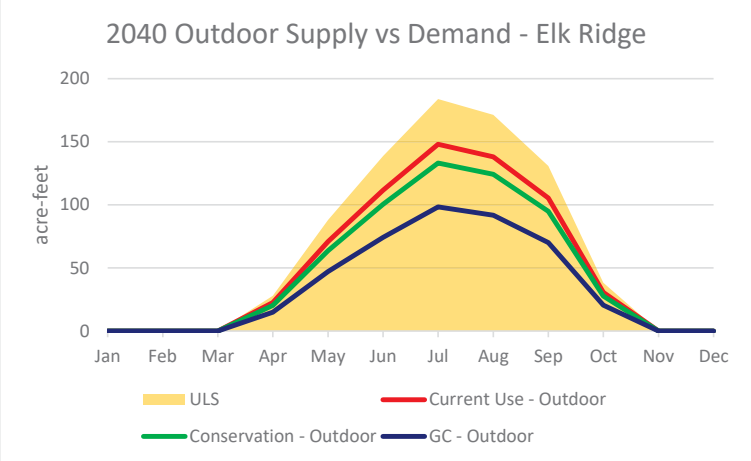

2030 Total Supply vs Demand - Elk Ridge
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

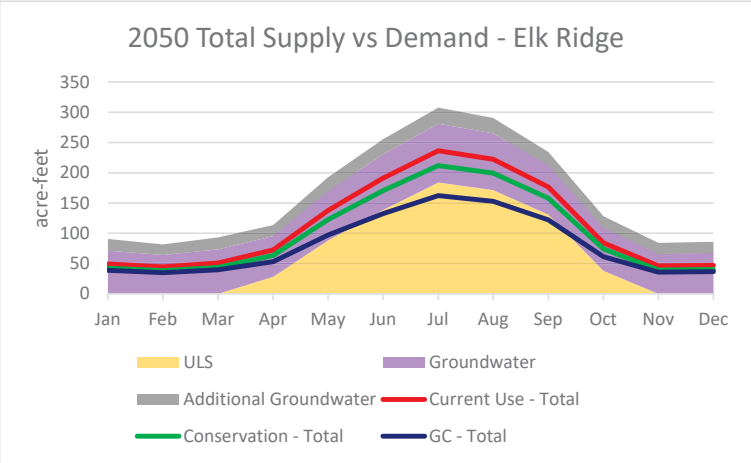

2030 Indoor Supply vs Demand - Elk Ridge
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

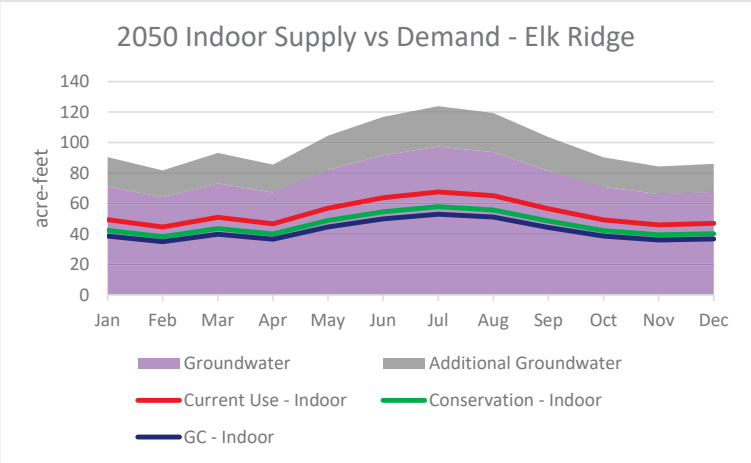

2030 Outdoor Supply vs Demand - Elk Ridge
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

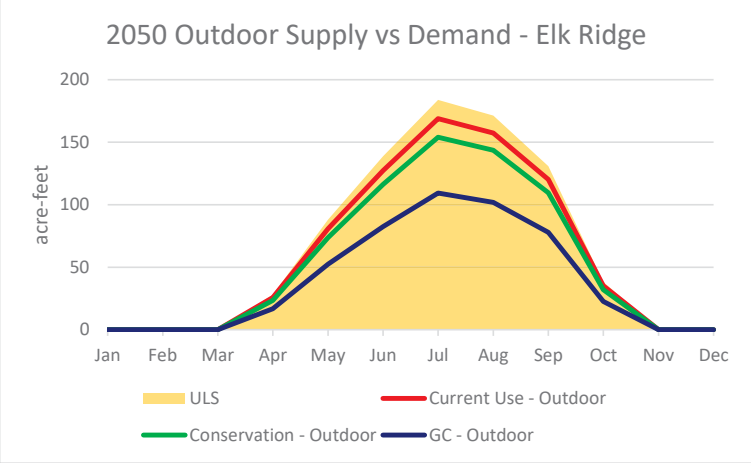

2040 Total Supply vs Demand - Elk Ridge
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

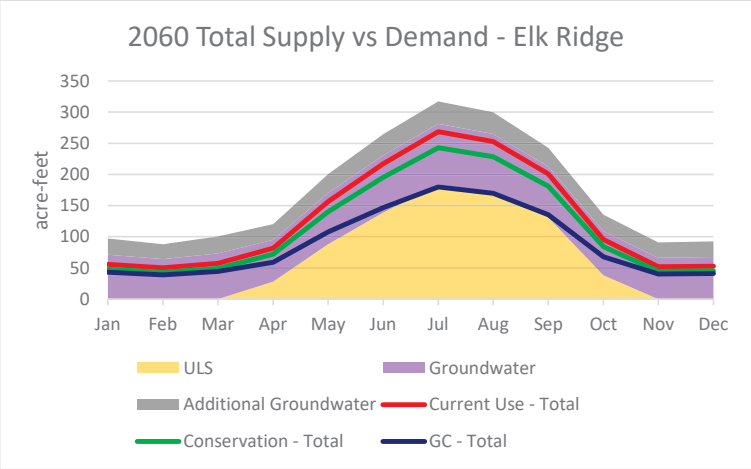

2040 Indoor Supply vs Demand - Elk Ridge
acre-feet
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

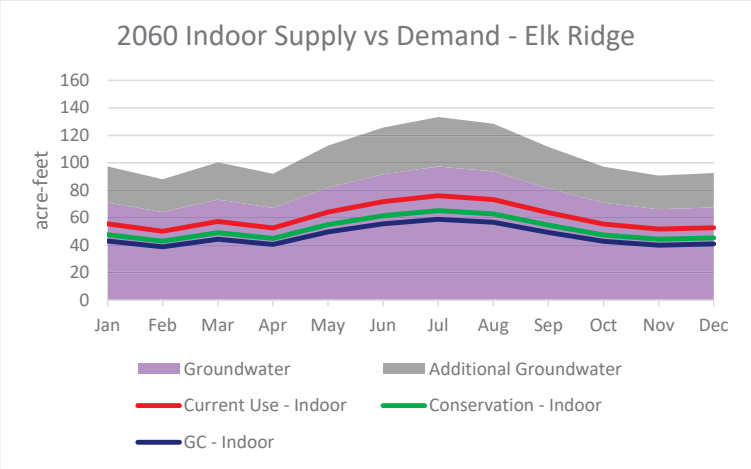

2040 Outdoor Supply vs Demand - Elk Ridge
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

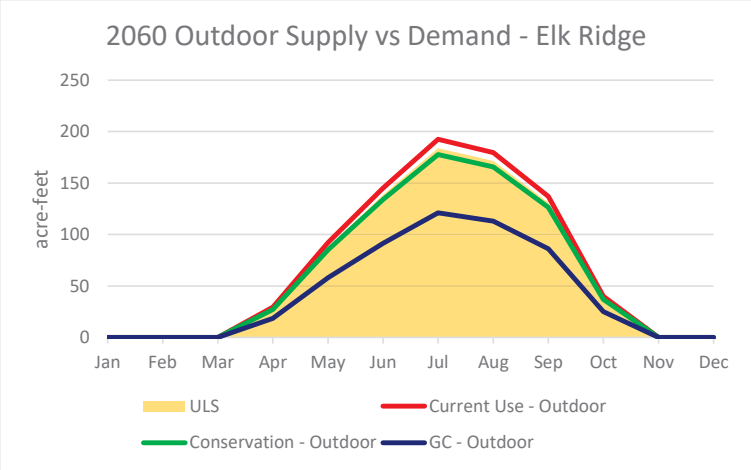

2050 Total Supply vs Demand - Elk Ridge
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

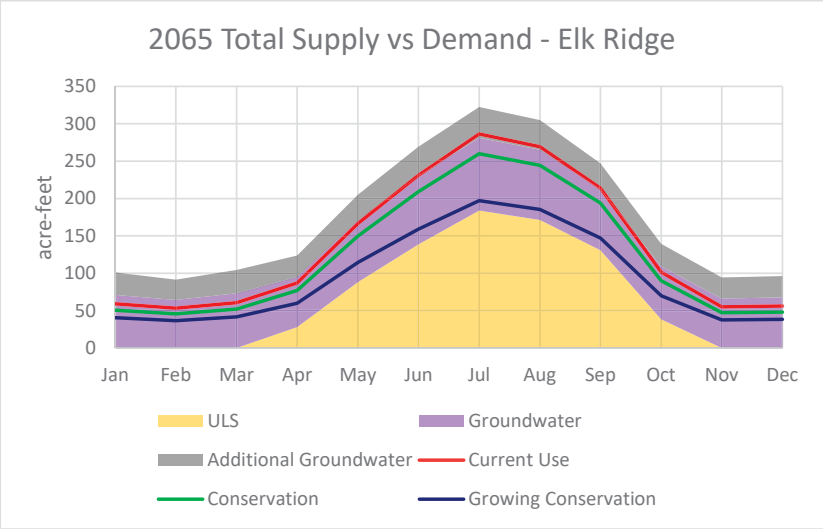

2050 Indoor Supply vs Demand - Elk Ridge
acre-feet
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

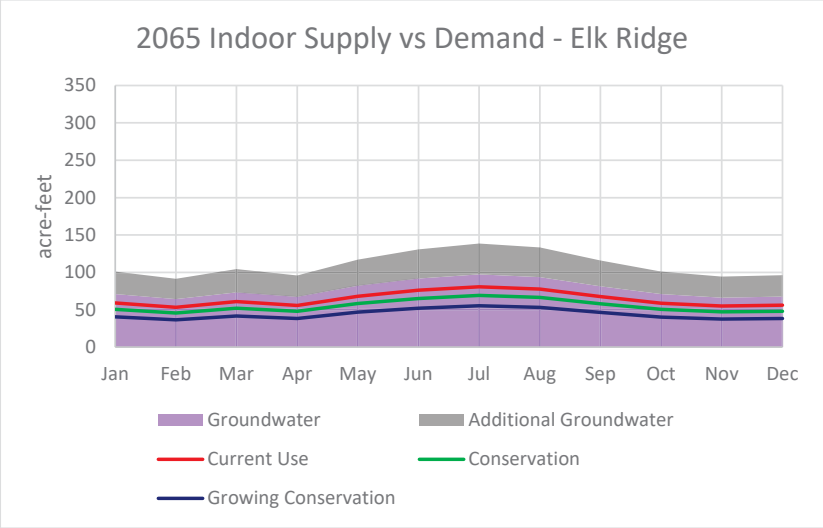

2050 Outdoor Supply vs Demand - Elk Ridge
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

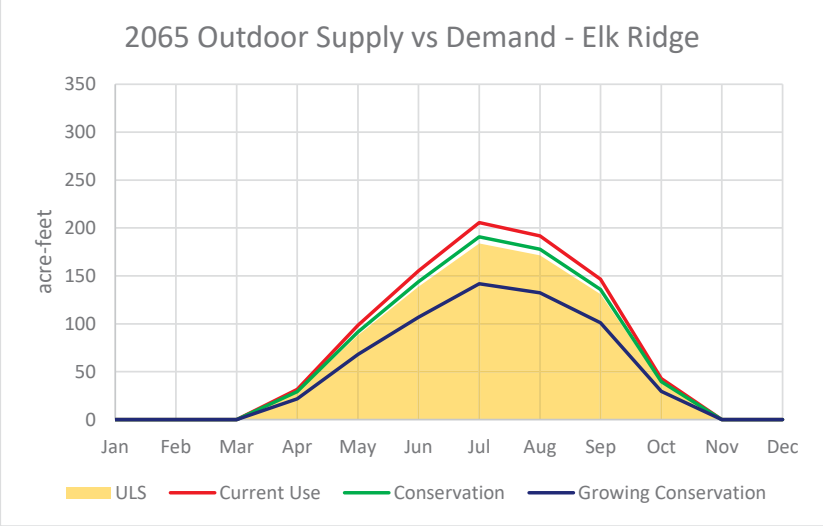

2060 Total Supply vs Demand - Elk Ridge
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Elk Ridge
acre-feet
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

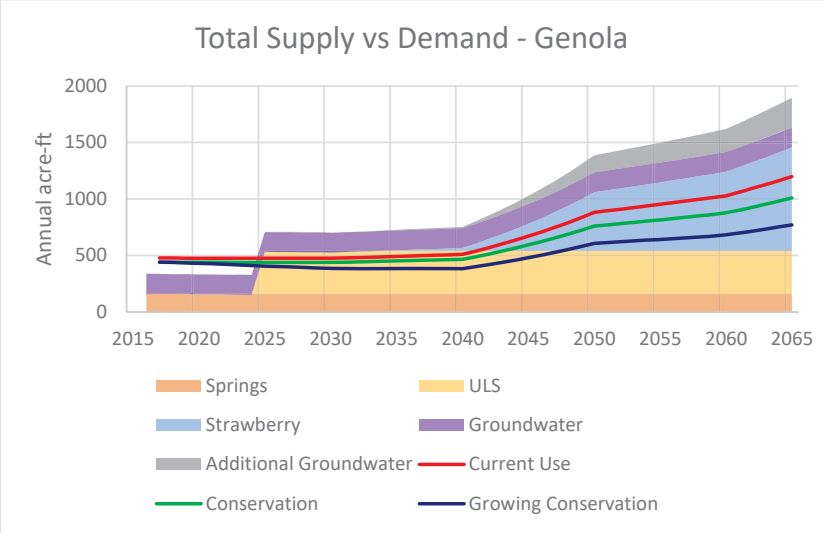

2060 Outdoor Supply vs Demand - Elk Ridge
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

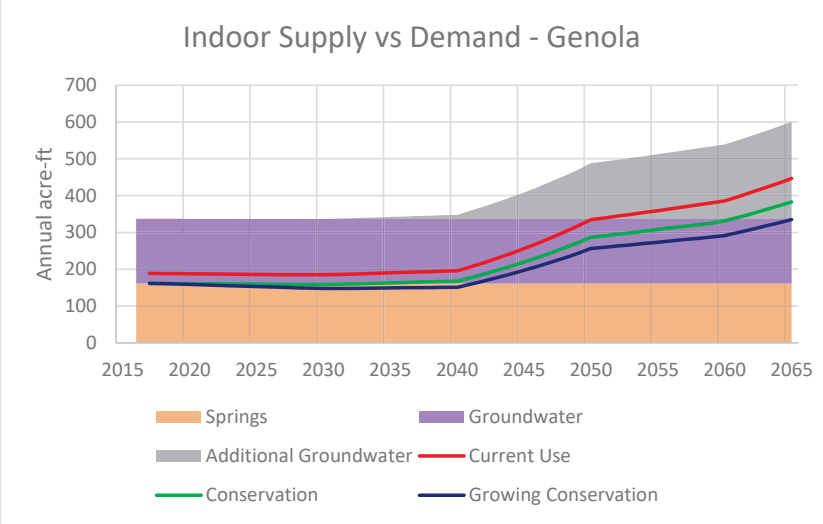

2065 Total Supply vs Demand - Elk Ridge
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

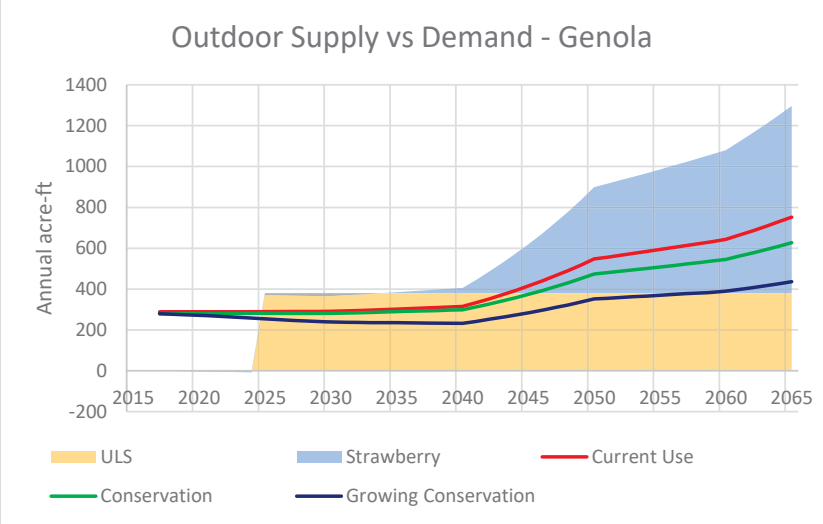

2065 Indoor Supply vs Demand - Elk Ridge
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

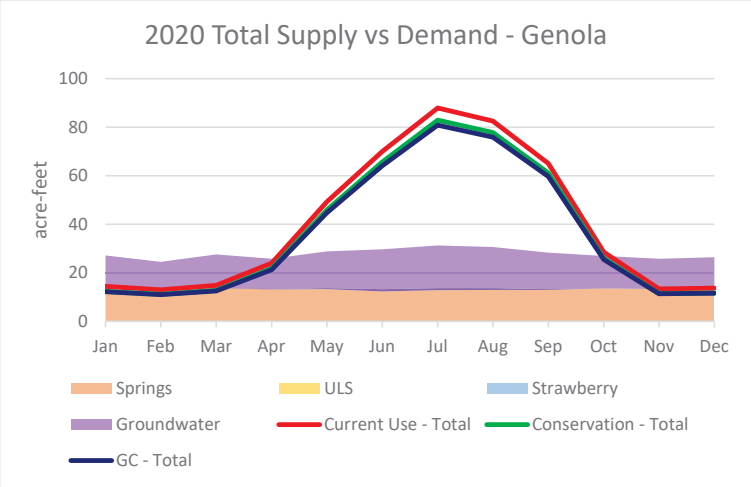

2065 Outdoor Supply vs Demand - Elk Ridge
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use
Conservation
Growing Conservation

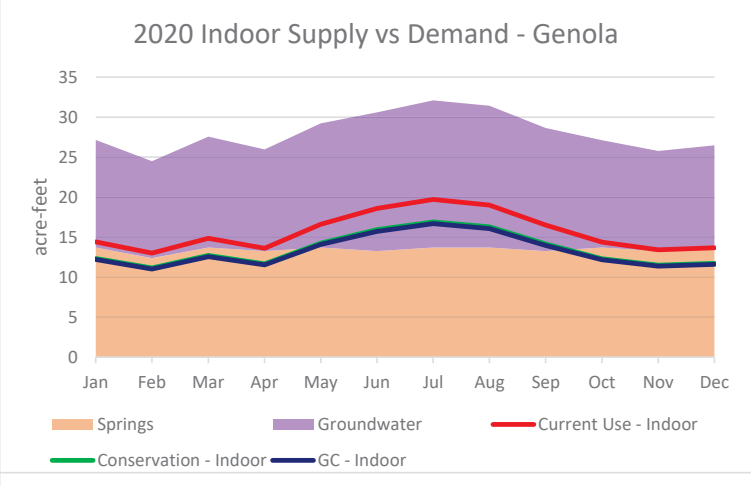
GENOLA

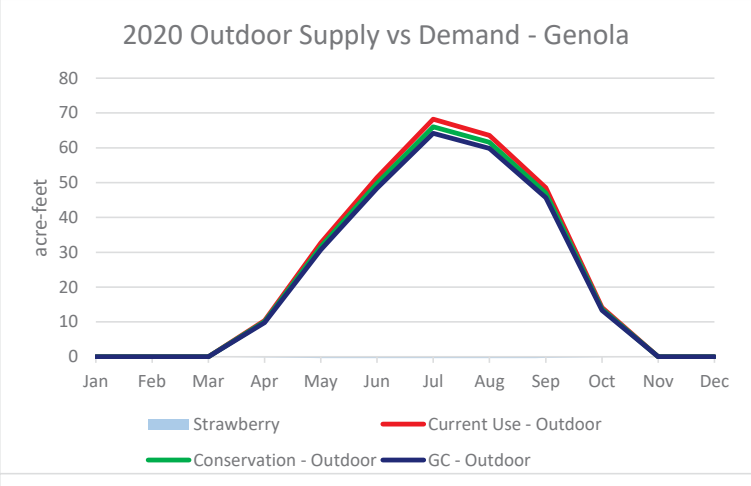

Total Supply vs Demand - Genola
Annual acre-ft
2000
1500
1000
500
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
ULS
Strawberry
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

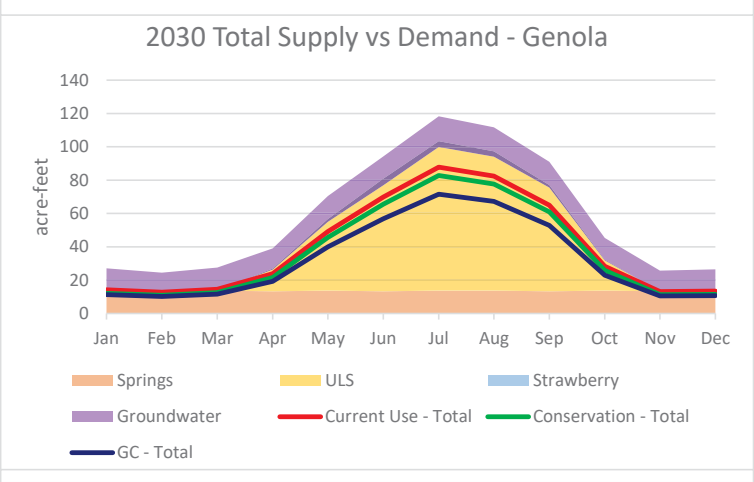

Indoor Supply vs Demand - Genola
Annual acre-ft
700
600
500
400
300
200
100
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

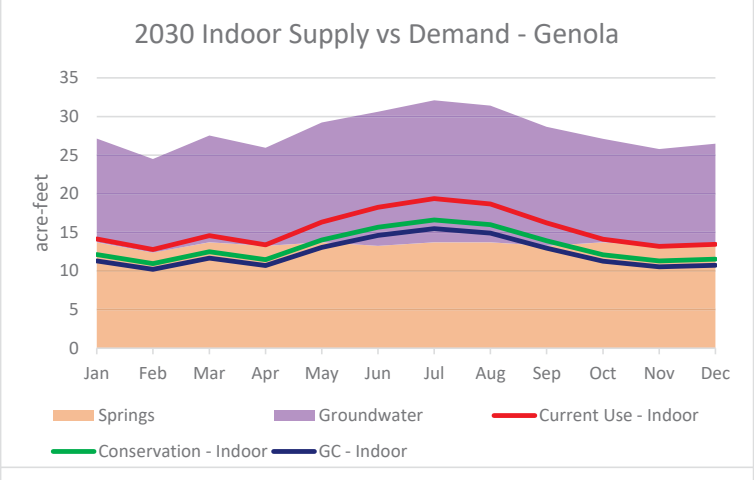

Outdoor Supply vs Demand - Genola
Annual acre-ft
1400
1200
1000
800
600
400
200
0
-200
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Strawberry
Current Use
Conservation
Growing Conservation

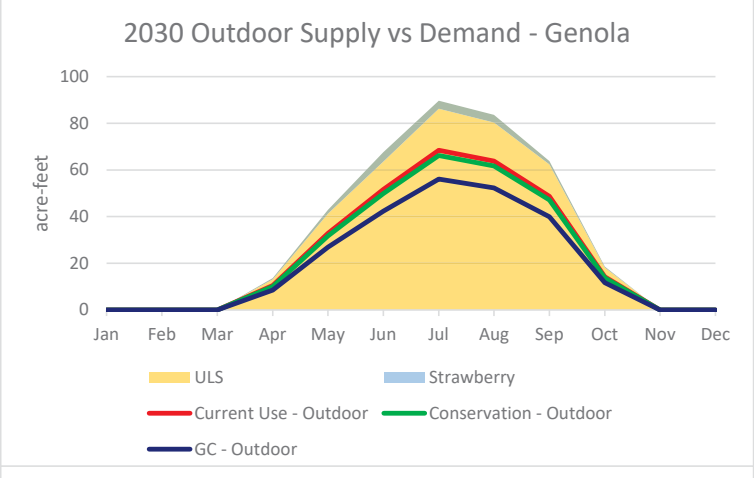

2020 Total Supply vs Demand - Genola
acre-feet
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Groundwater
Current Use - Total
Conservation - Total
GC - Total

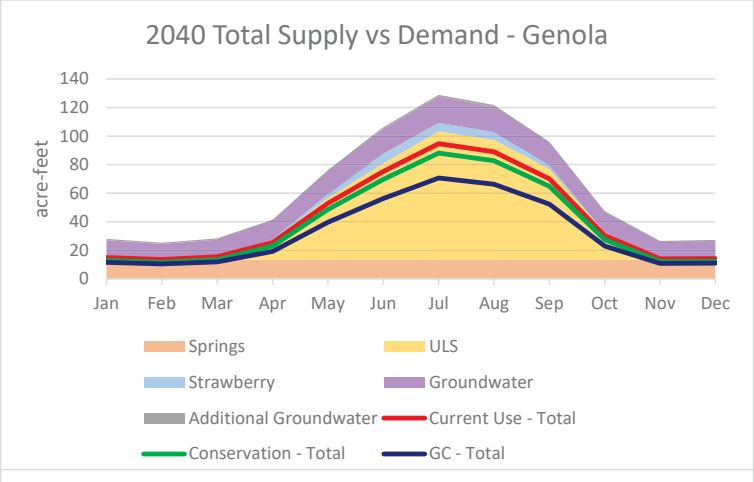

2020 Indoor Supply vs Demand - Genola
acre-feet
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

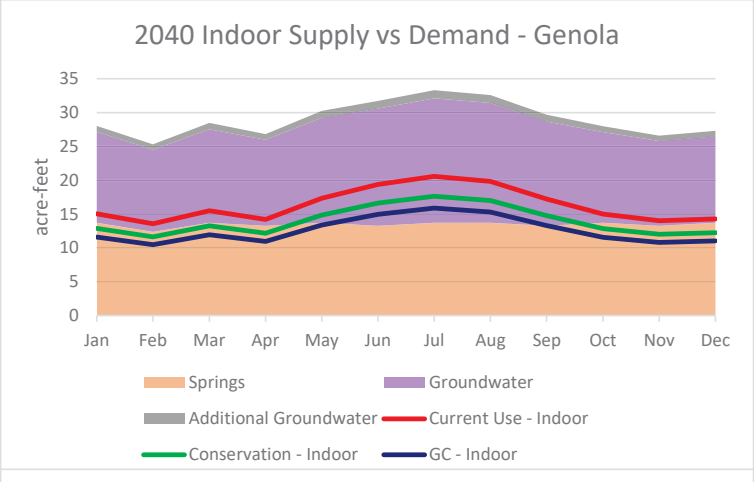

2020 Outdoor Supply vs Demand - Genola
acre-feet
80
70
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

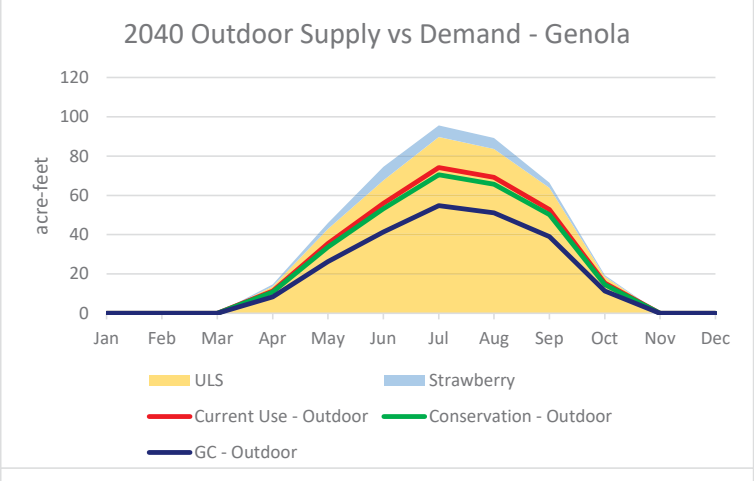

2030 Total Supply vs Demand - Genola
acre-feet
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Groundwater
Current Use - Total
Conservation - Total
GC - Total

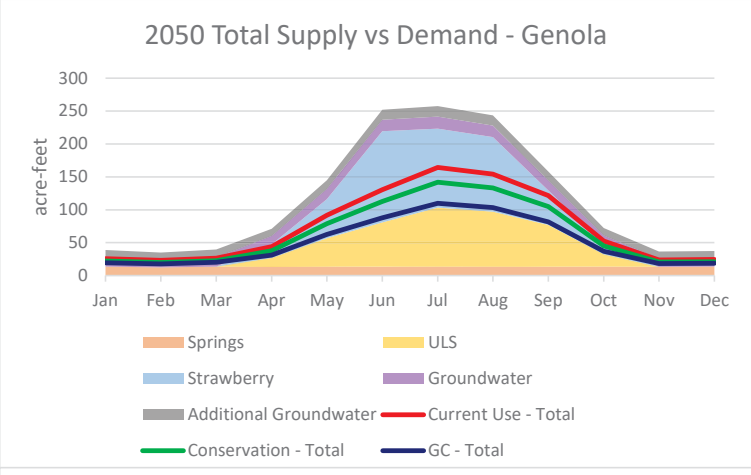

2030 Indoor Supply vs Demand - Genola
acre-feet
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

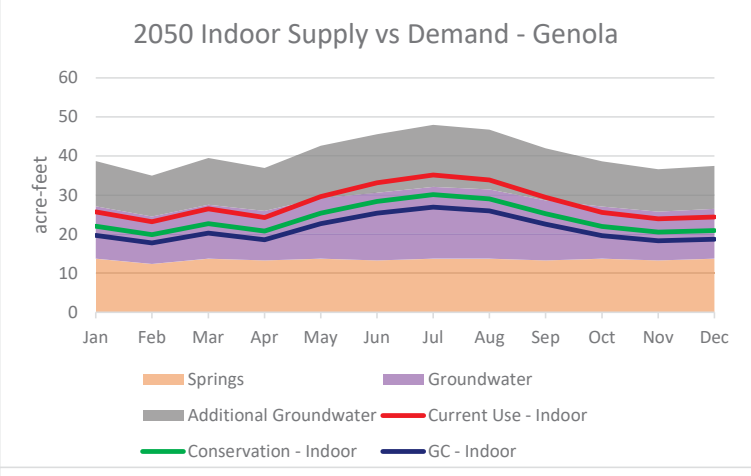

2030 Outdoor Supply vs Demand - Genola
acre-feet
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

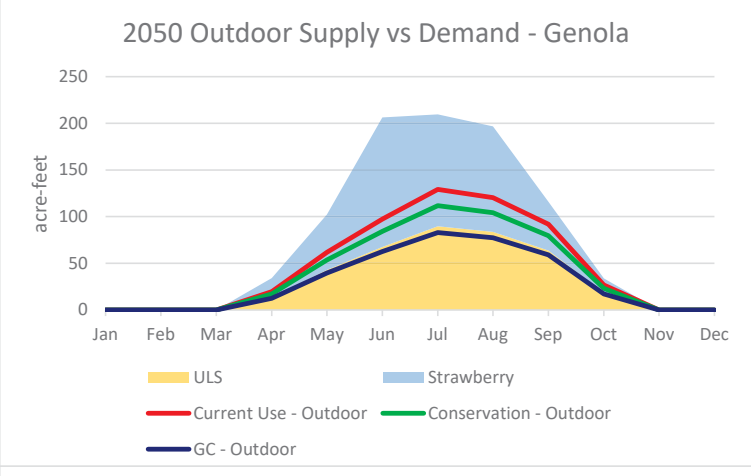

2040 Total Supply vs Demand - Genola
acre-feet
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

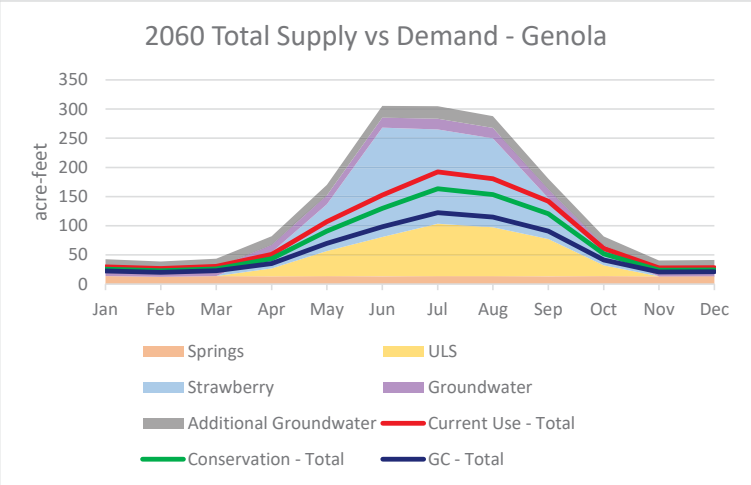

2040 Indoor Supply vs Demand - Genola
acre-feet
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

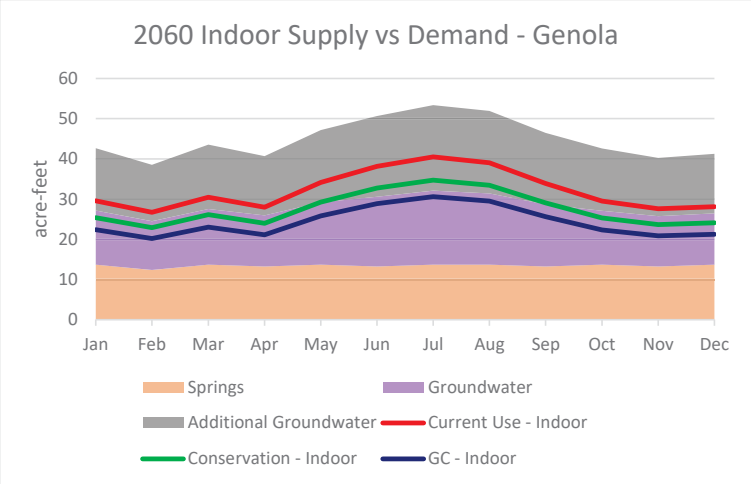

2040 Outdoor Supply vs Demand - Genola
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

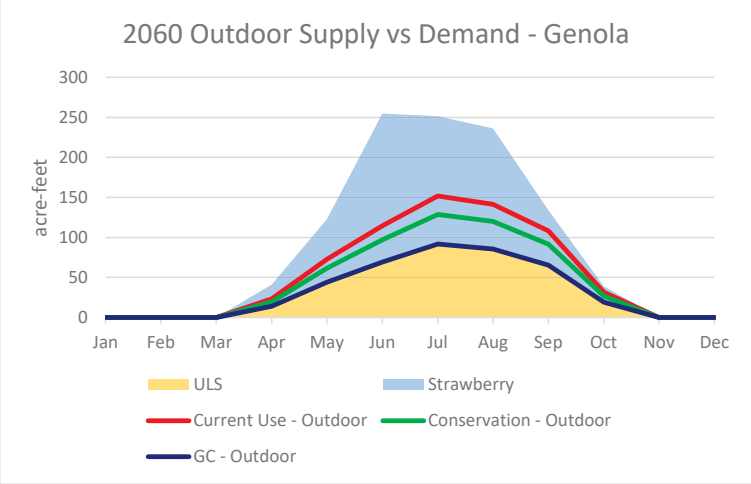

2050 Total Supply vs Demand - Genola
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

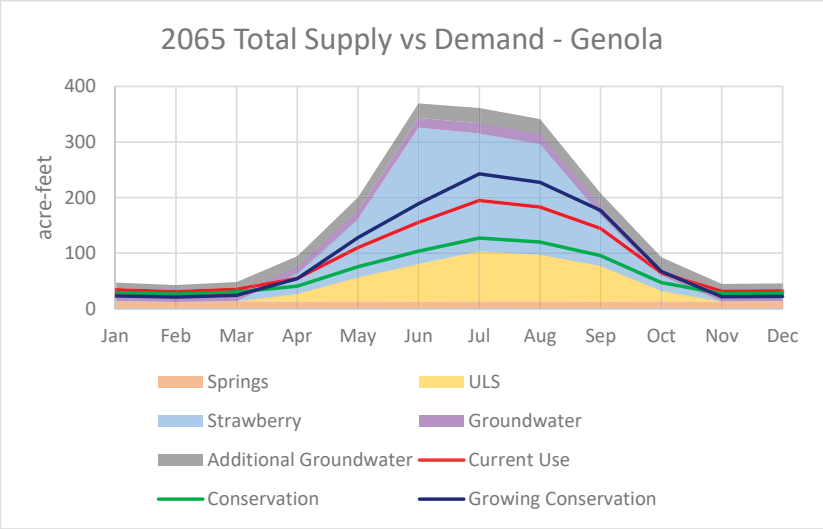

2050 Indoor Supply vs Demand - Genola
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

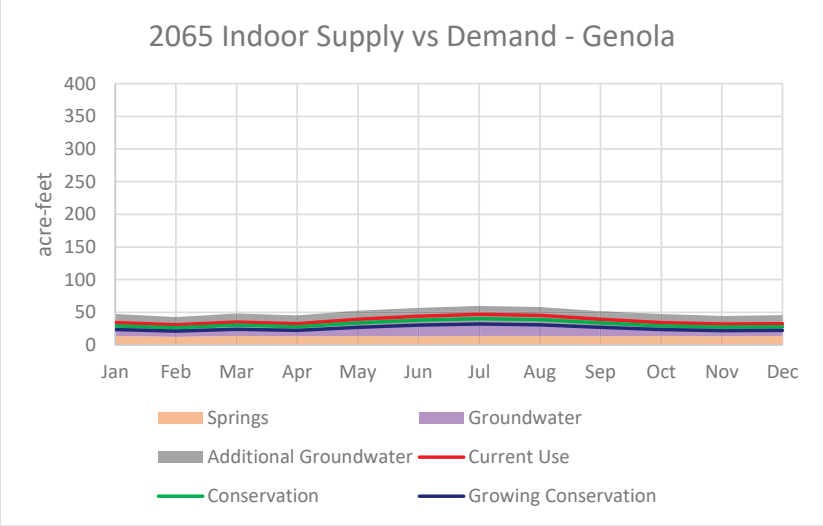

2050 Outdoor Supply vs Demand - Genola
acre-feet
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

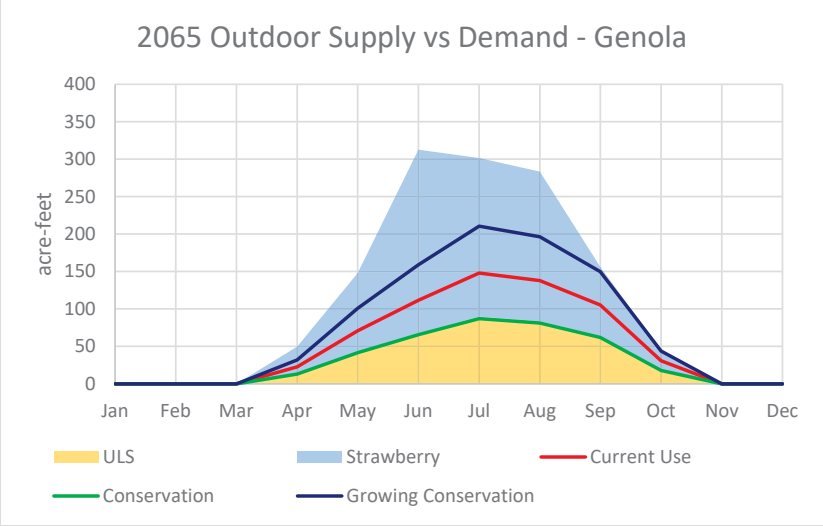

2060 Total Supply vs Demand - Genola
acre-feet
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Genola
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

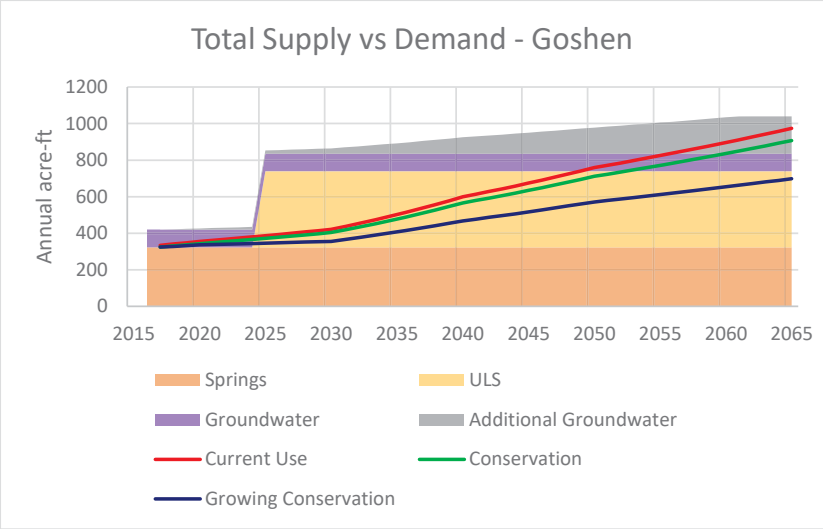

2060 Outdoor Supply vs Demand - Genola
acre-feet
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

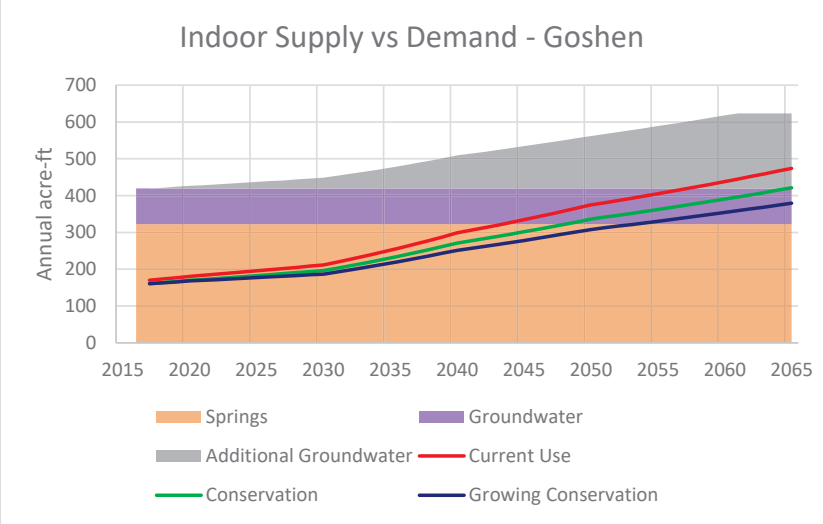

2065 Total Supply vs Demand - Genola
acre-feet
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

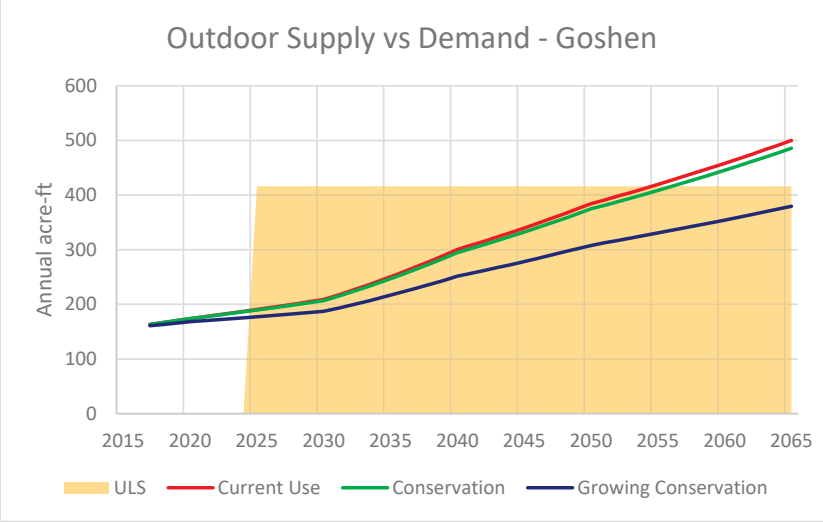

2065 Indoor Supply vs Demand - Genola
acre-feet
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

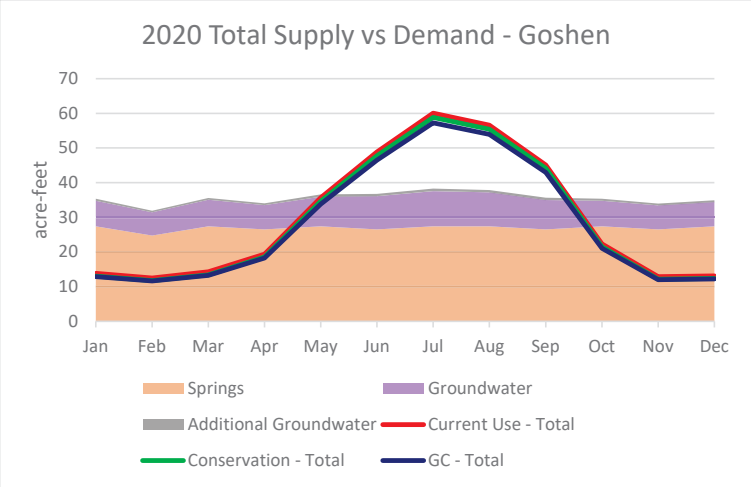

2065 Outdoor Supply vs Demand - Genola
acre-feet
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Current Use
Conservation
Growing Conservation

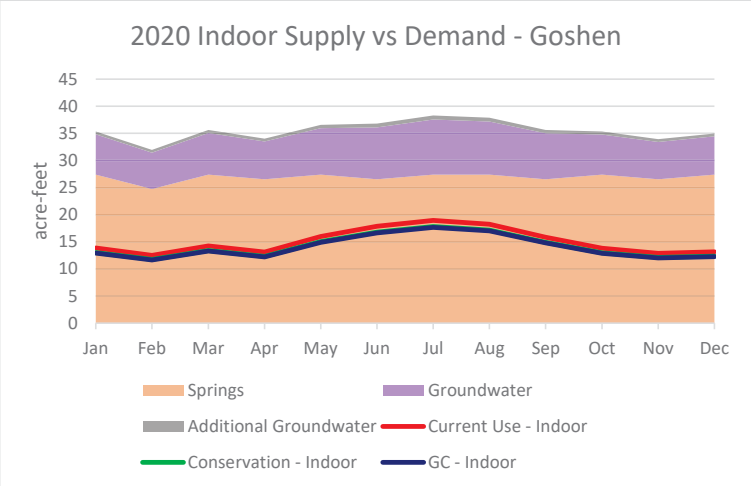
GOSHEN

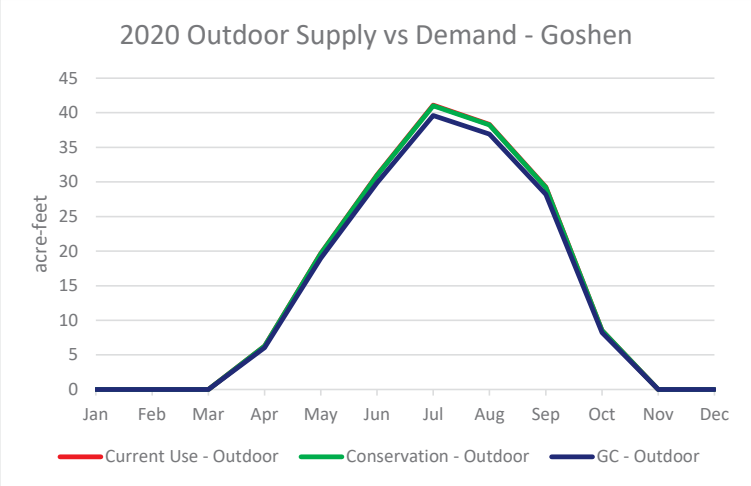

Total Supply vs Demand - Goshen
Annual acre-ft
1200
1000
800
600
400
200
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Springs
ULS
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

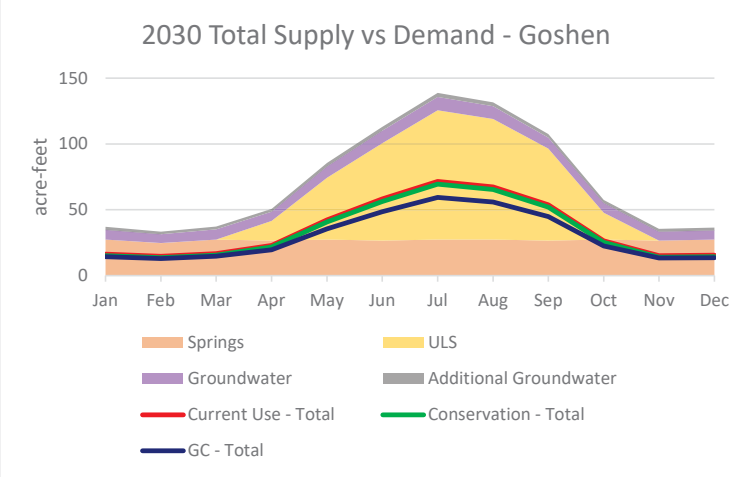

Indoor Supply vs Demand - Goshen
Annual acre-ft
700
600
500
400
300
200
100
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

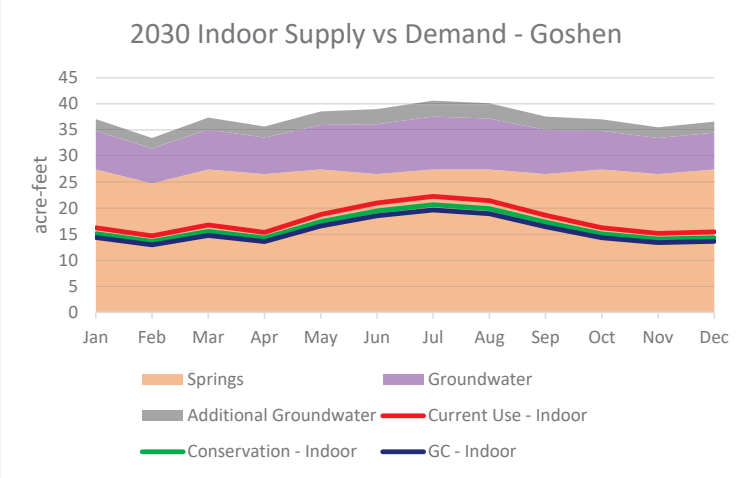

Outdoor Supply vs Demand - Goshen
Annual acre-ft
600
500
400
300
200
100
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
ULS
Current Use
Conservation
Growing Conservation

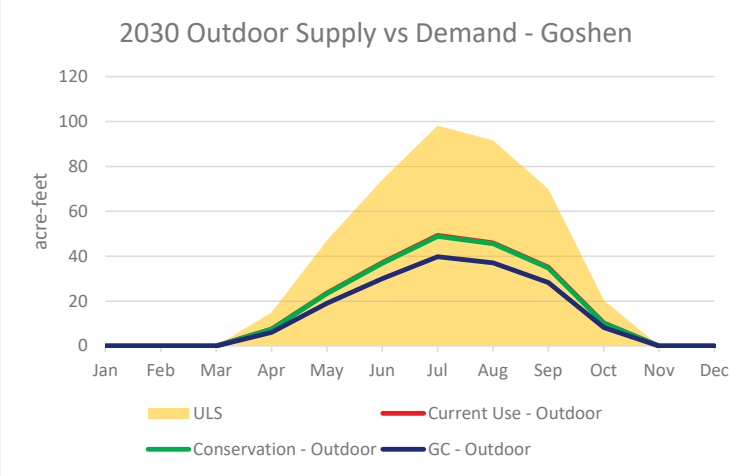

2020 Total Supply vs Demand - Goshen
acre-feet
70
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

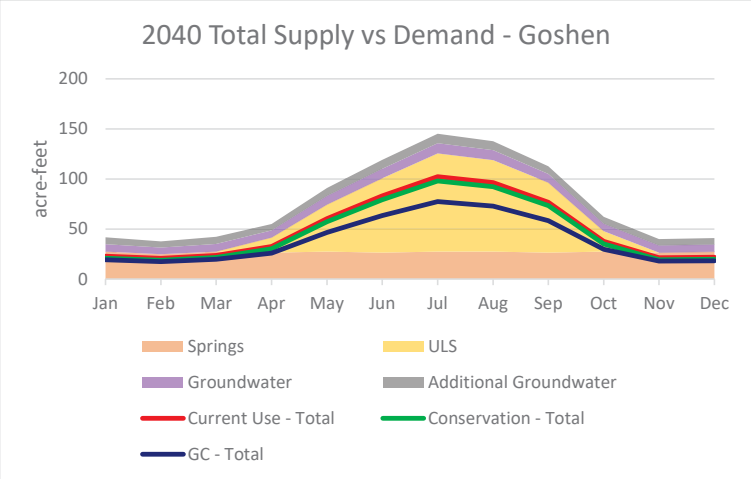

2020 Indoor Supply vs Demand - Goshen
acre-feet
45
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

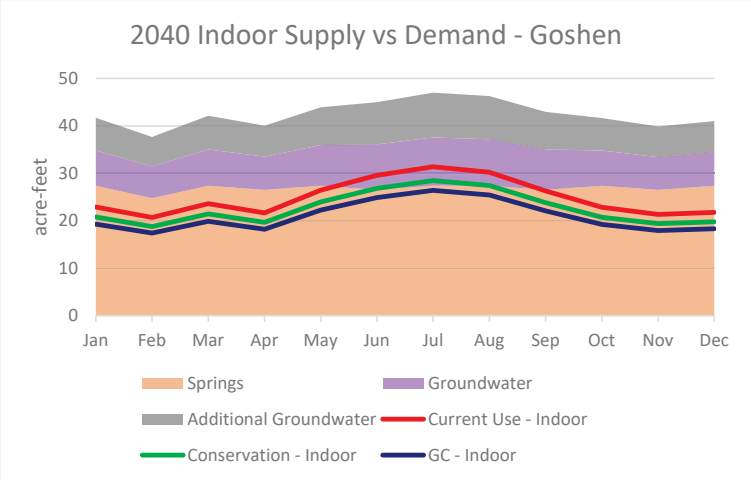

2020 Outdoor Supply vs Demand - Goshen
acre-feet
45
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

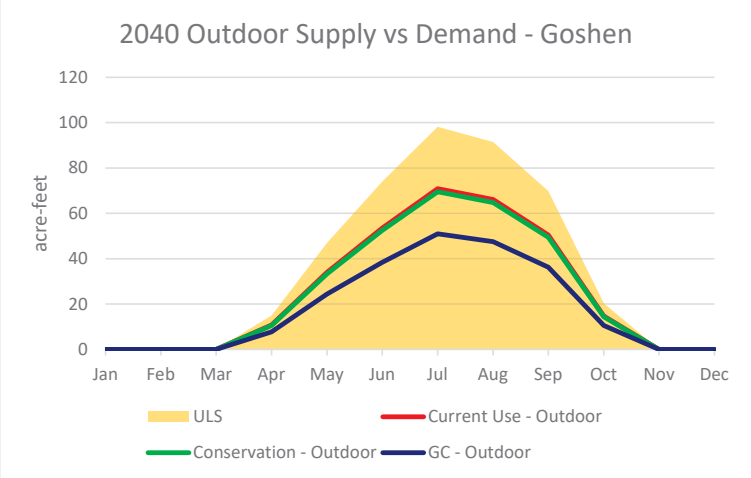

2030 Total Supply vs Demand - Goshen
acre-feet
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

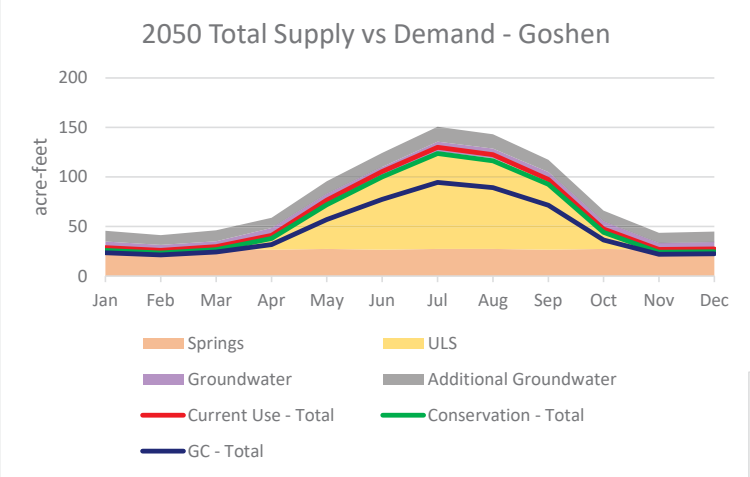

2030 Indoor Supply vs Demand - Goshen
acre-feet
45
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

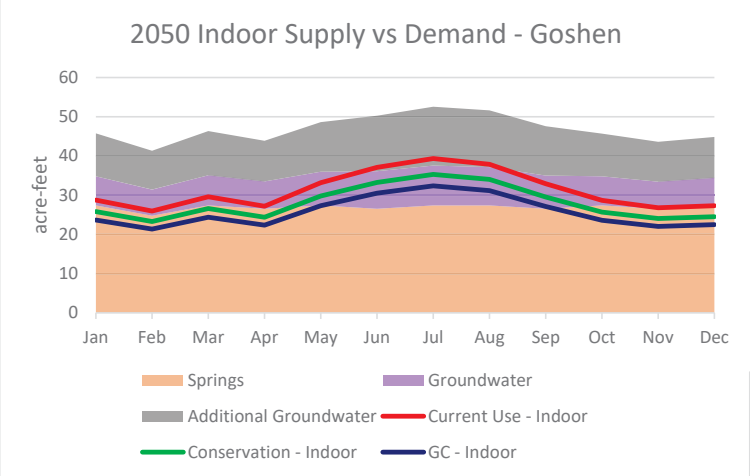

2030 Outdoor Supply vs Demand - Goshen
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

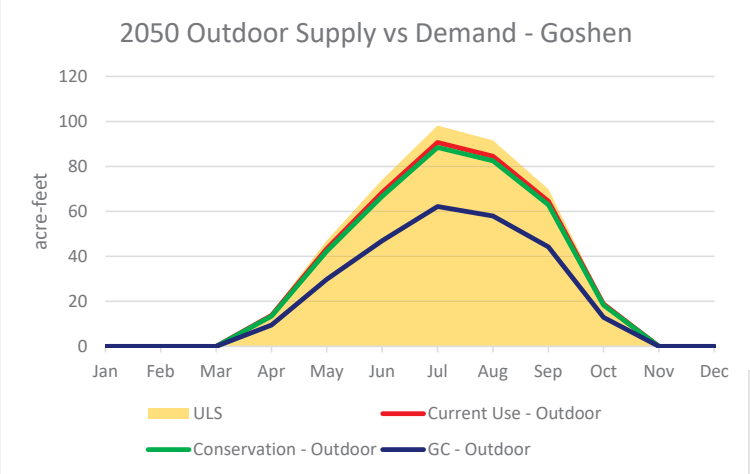

2040 Total Supply vs Demand - Goshen
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

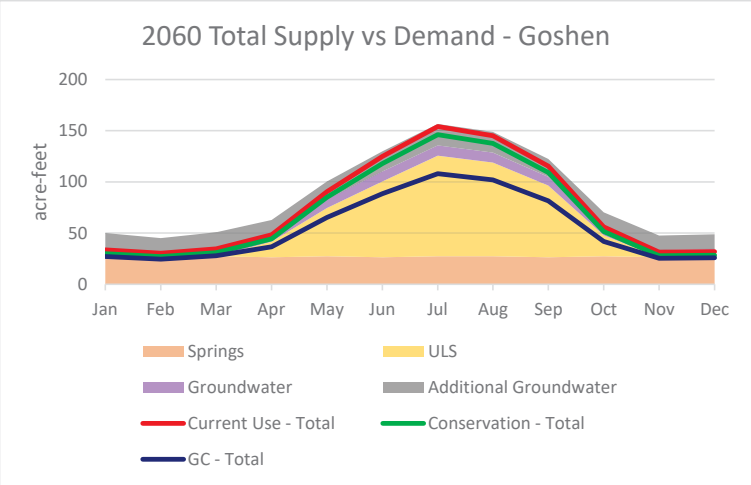

2040 Indoor Supply vs Demand - Goshen
acre-feet
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

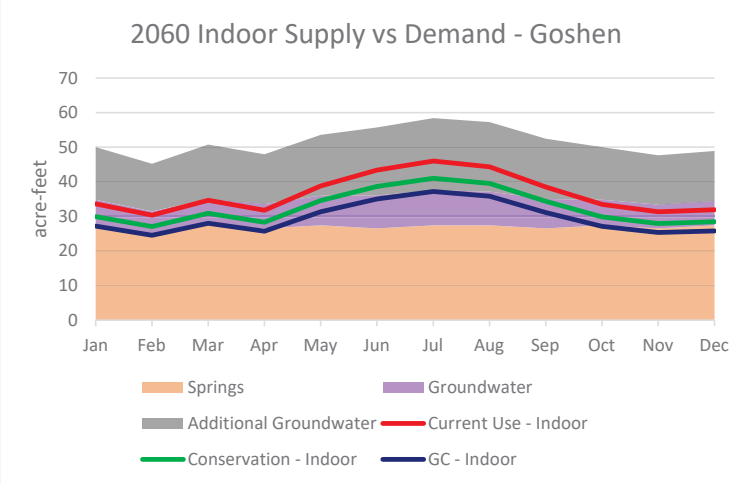

2040 Outdoor Supply vs Demand - Goshen
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

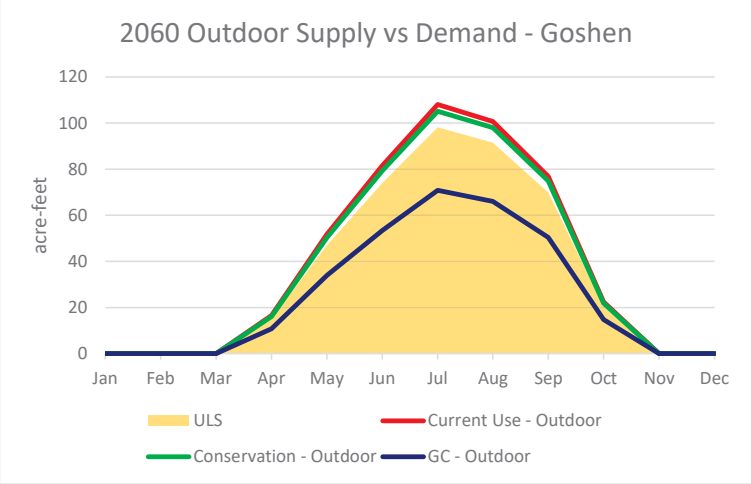

2050 Total Supply vs Demand - Goshen
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

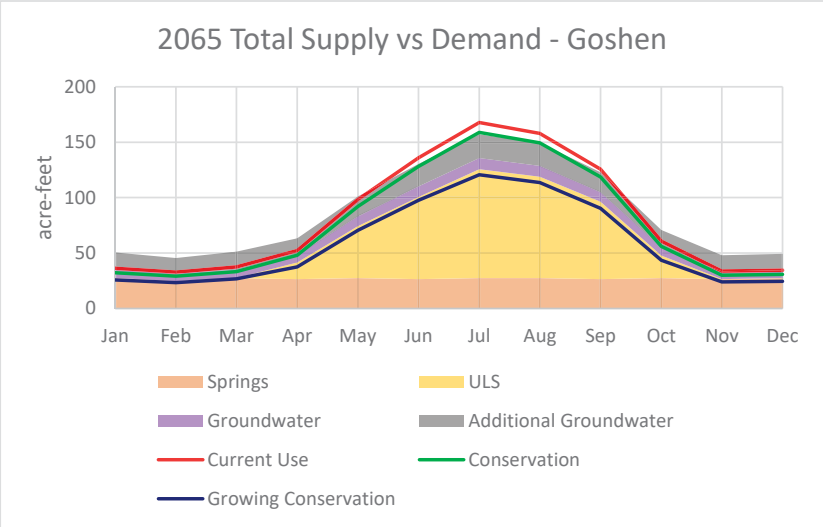

2050 Indoor Supply vs Demand - Goshen
acre-feet
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

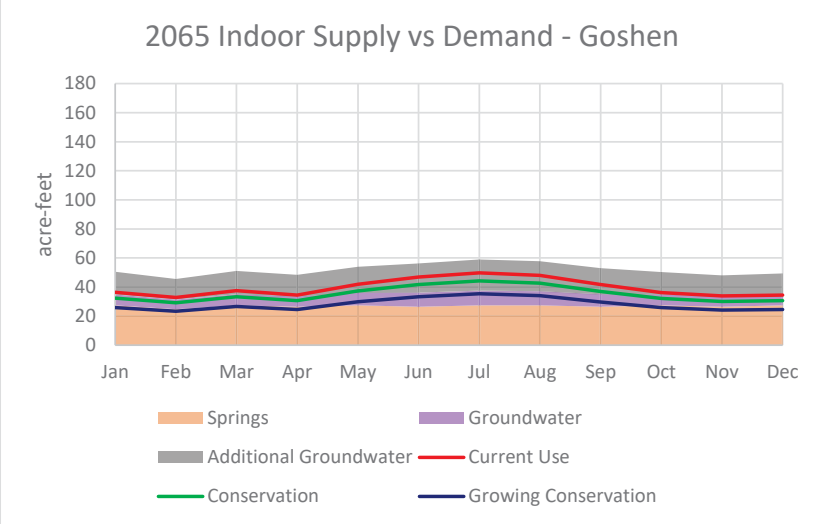

2050 Outdoor Supply vs Demand - Goshen
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

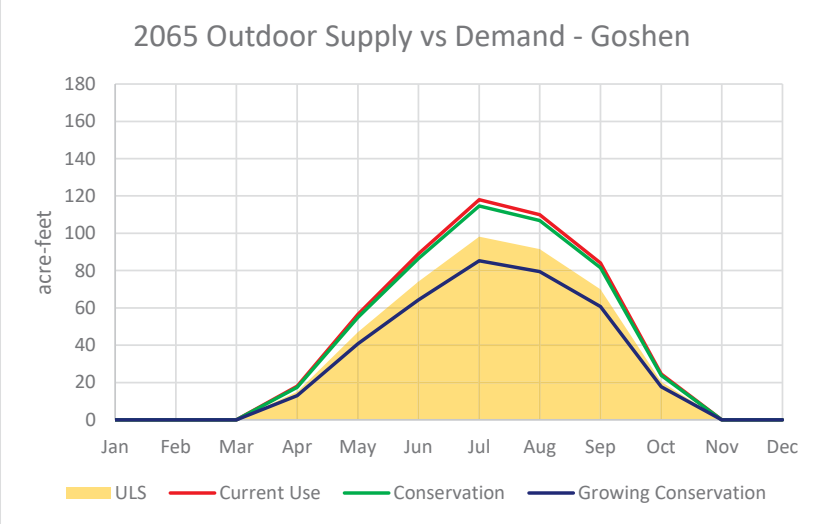

2060 Total Supply vs Demand - Goshen
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Goshen
acre-feet
70
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

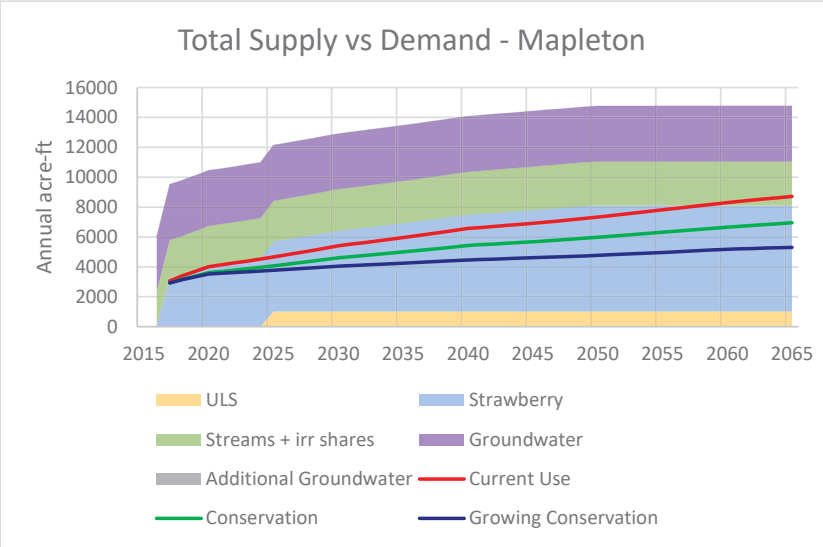

2060 Outdoor Supply vs Demand - Goshen
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

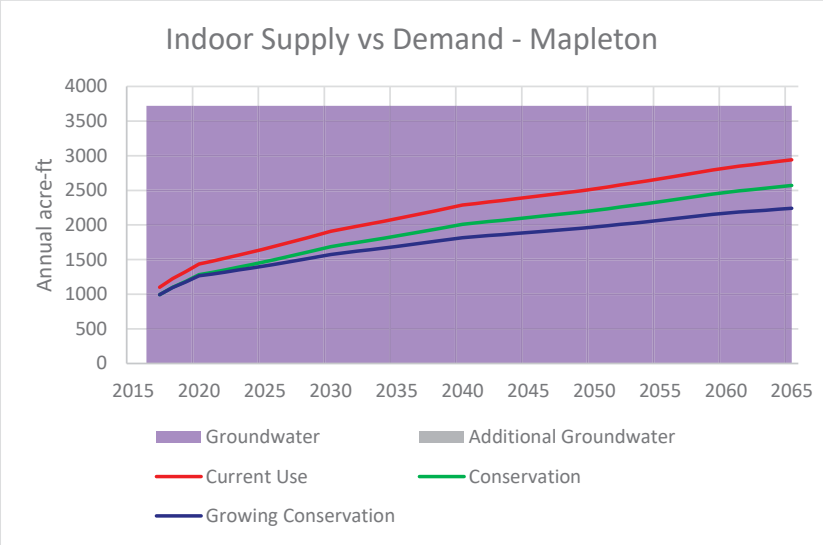

2065 Total Supply vs Demand - Goshen
acre-feet
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

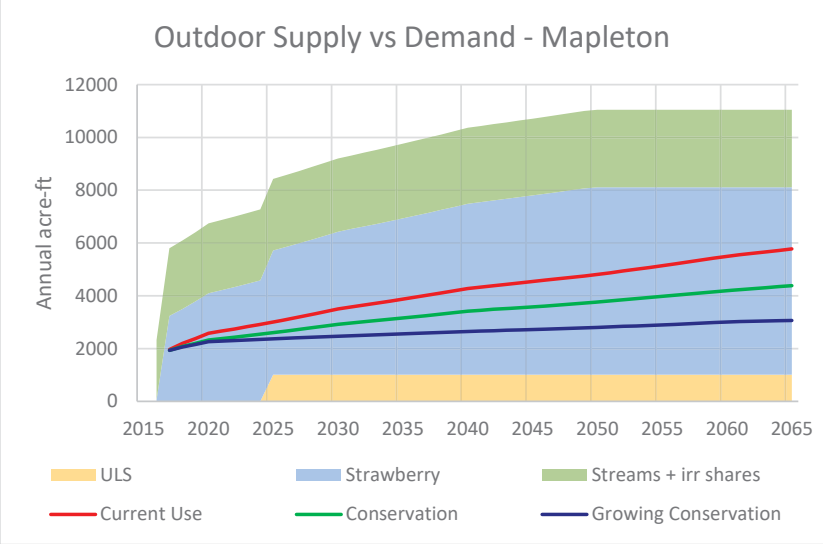

2065 Indoor Supply vs Demand - Goshen
acre-feet
180
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

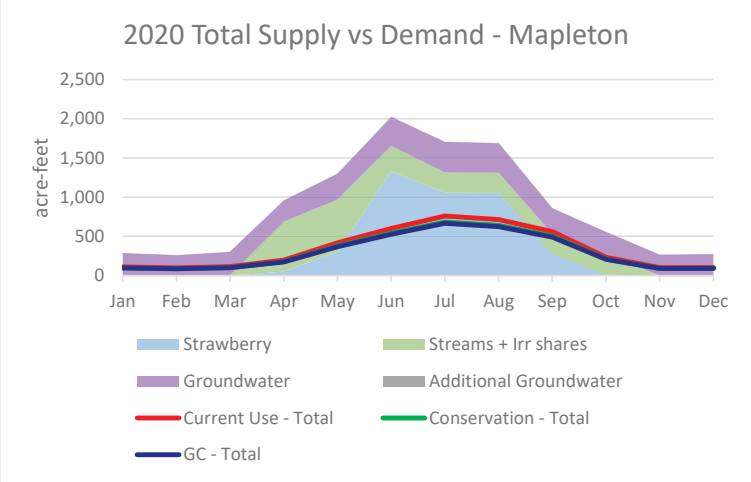

2065 Outdoor Supply vs Demand - Goshen
acre-feet
180
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use
Conservation
Growing Conservation

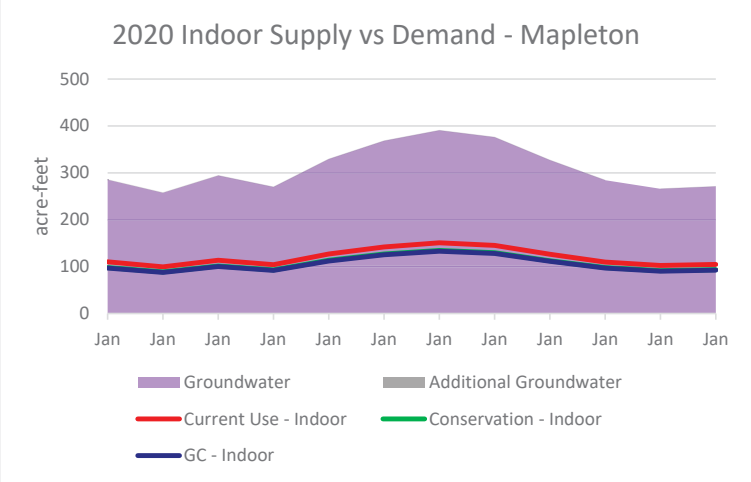
MAPLETON

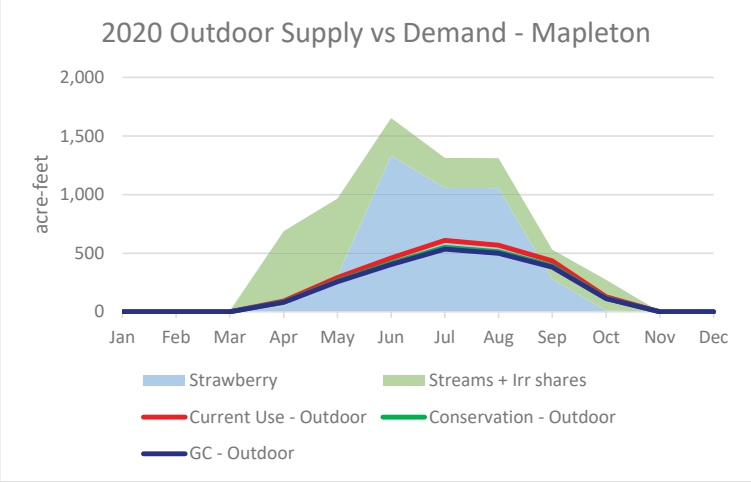

Total Supply vs Demand - Mapleton
Annual acre-ft
16000
14000
12000
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

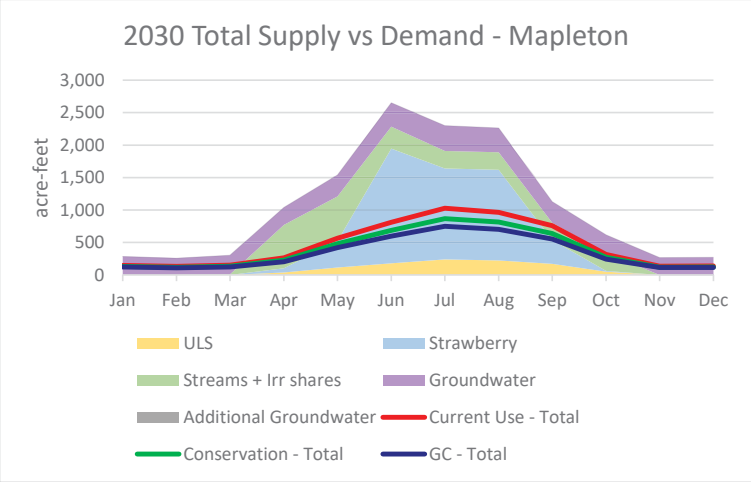

Indoor Supply vs Demand - Mapleton
Annual acre-ft
4000
3500
3000
2500
2000
1500
1000
500
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

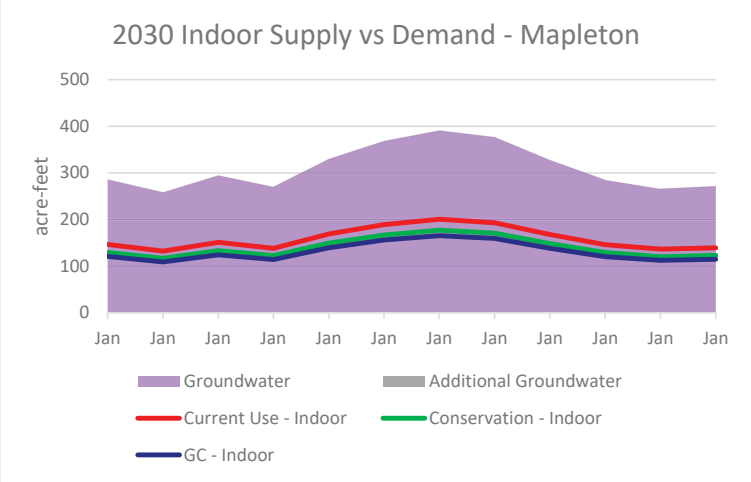

Outdoor Supply vs Demand - Mapleton
Annual acre-ft
12000
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

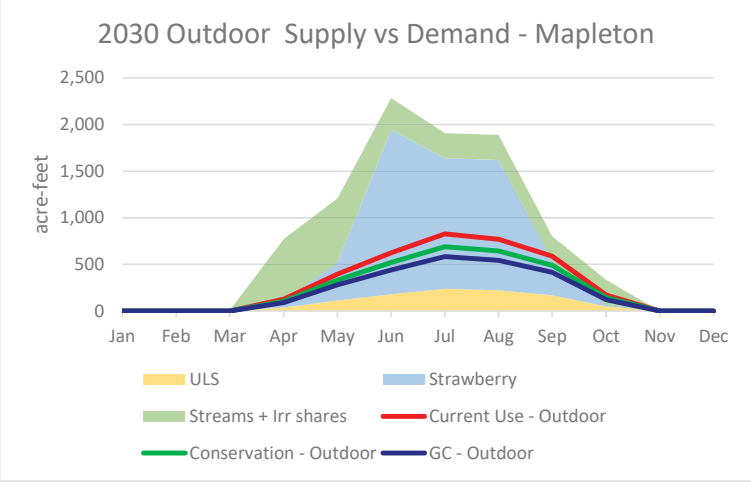

2020 Total Supply vs Demand - Mapleton
acre-feet
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

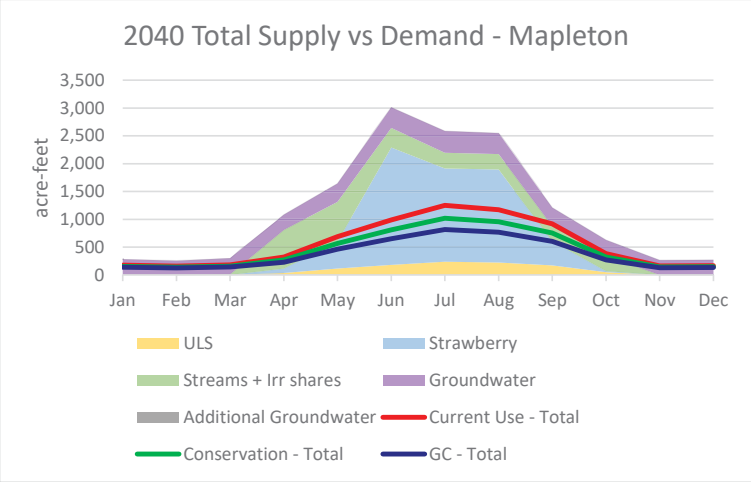

2020 Indoor Supply vs Demand - Mapleton
acre-feet
500
400
300
200
100
0
Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

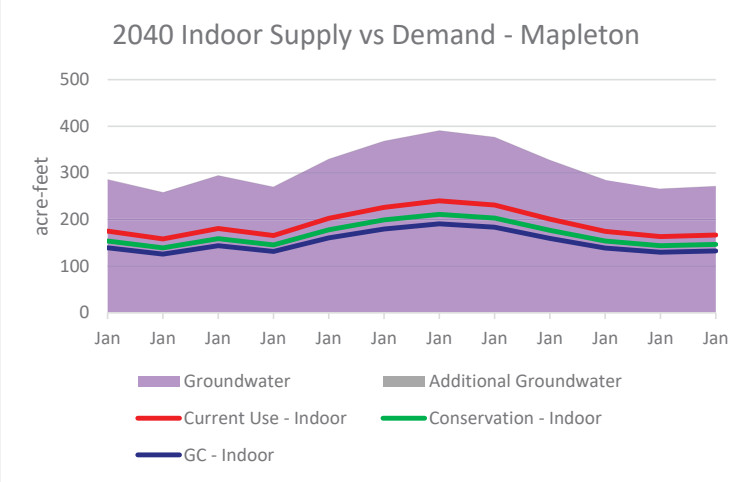

2020 Outdoor Supply vs Demand - Mapleton
acre-feet
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

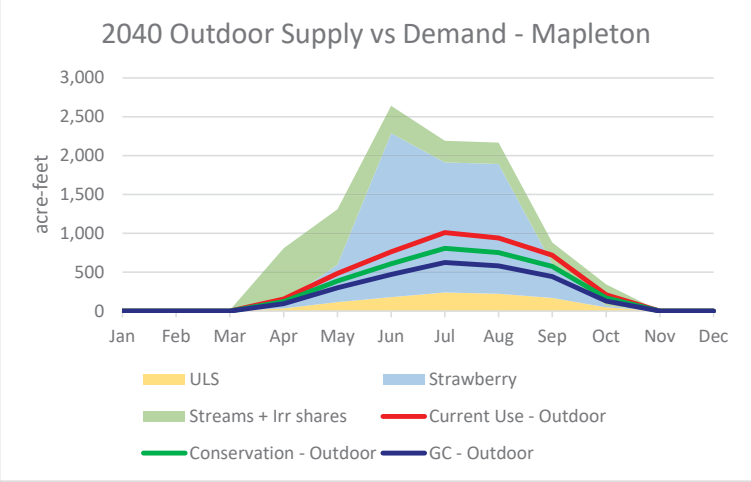

2030 Total Supply vs Demand - Mapleton
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

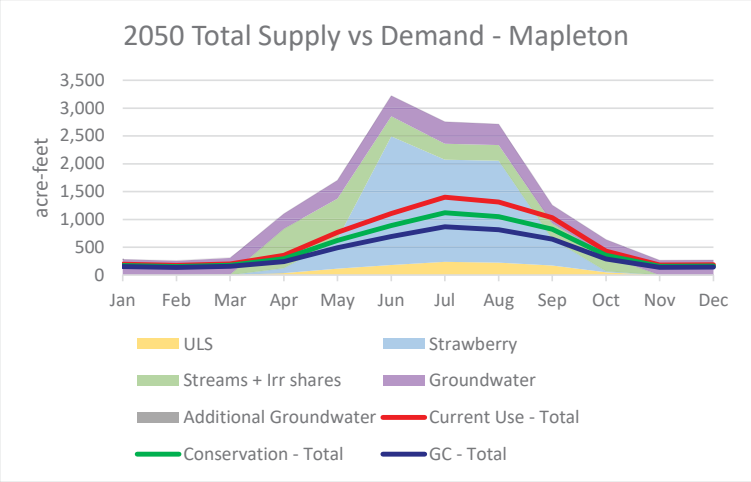

2030 Indoor Supply vs Demand - Mapleton
acre-feet
500
400
300
200
100
0
Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

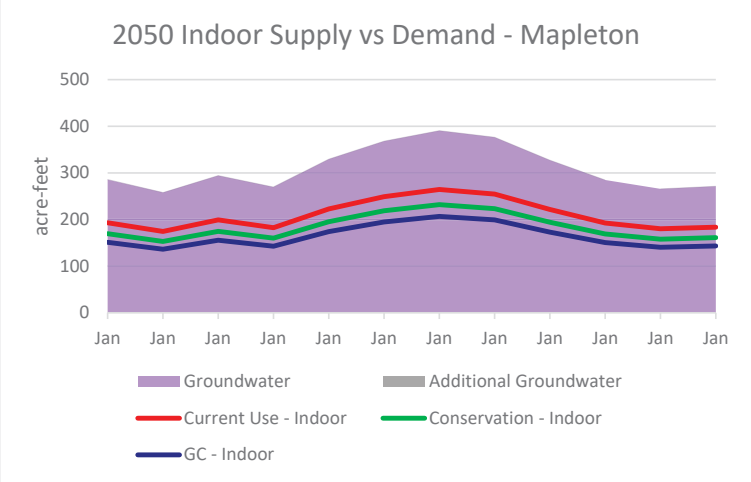

2030 Outdoor Supply vs Demand - Mapleton
acre-feet
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

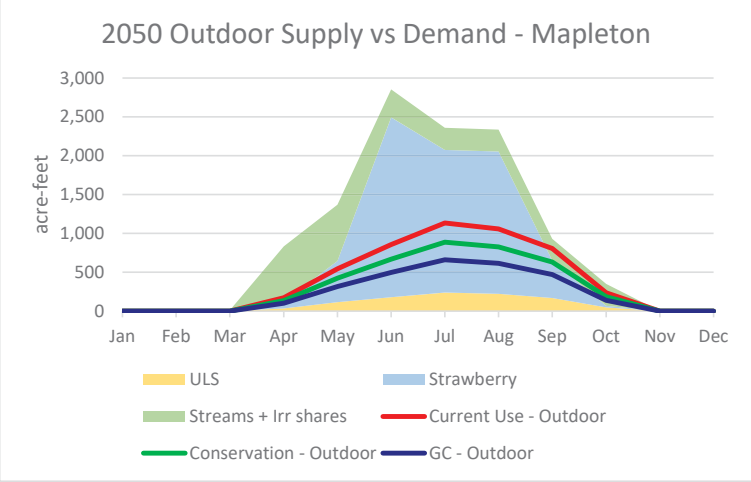

2040 Total Supply vs Demand - Mapleton
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

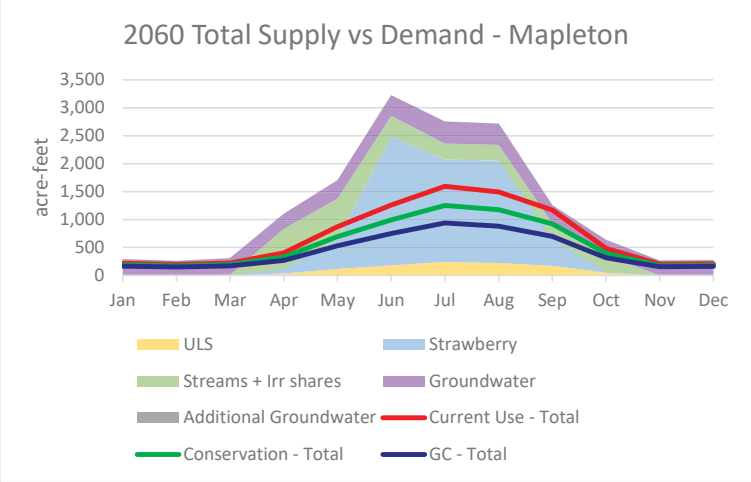

2040 Indoor Supply vs Demand - Mapleton
acre-feet
500
400
300
200
100
0
Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

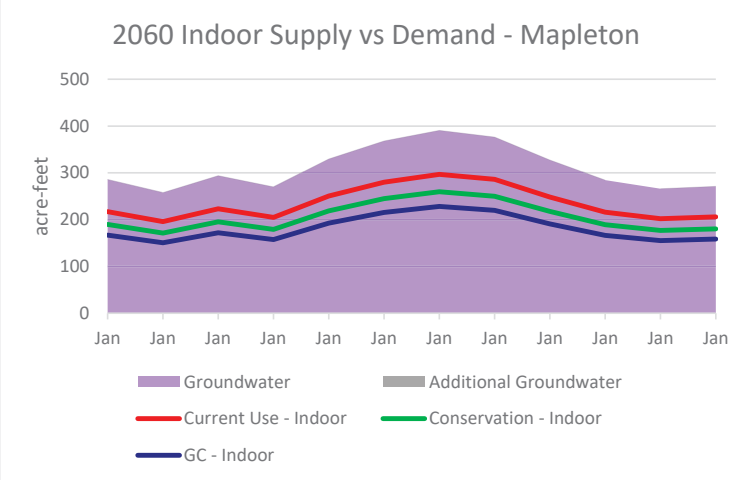

2040 Outdoor Supply vs Demand - Mapleton
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

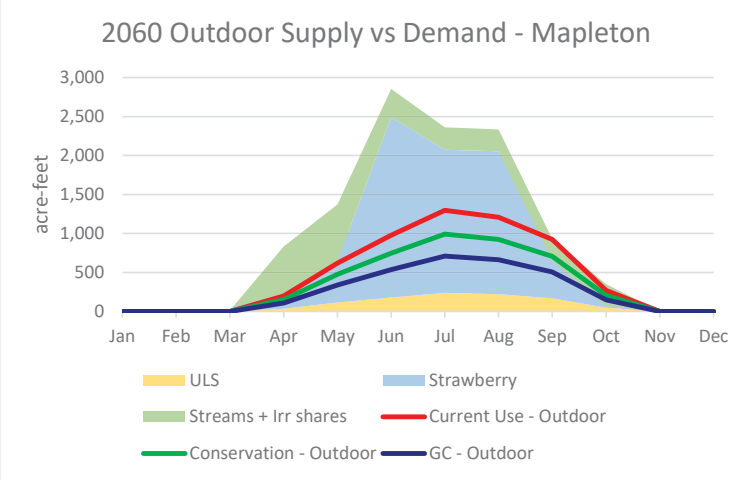

2050 Total Supply vs Demand - Mapleton
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

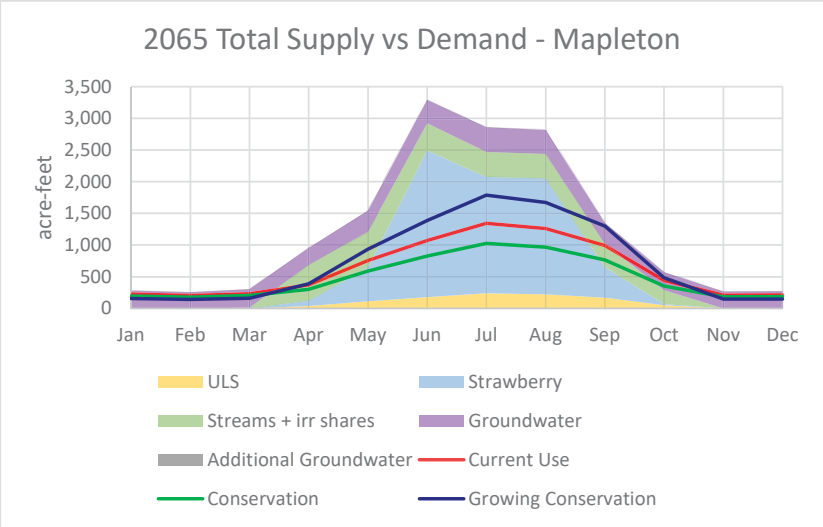

2050 Indoor Supply vs Demand - Mapleton
acre-feet
500
400
300
200
100
0
Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

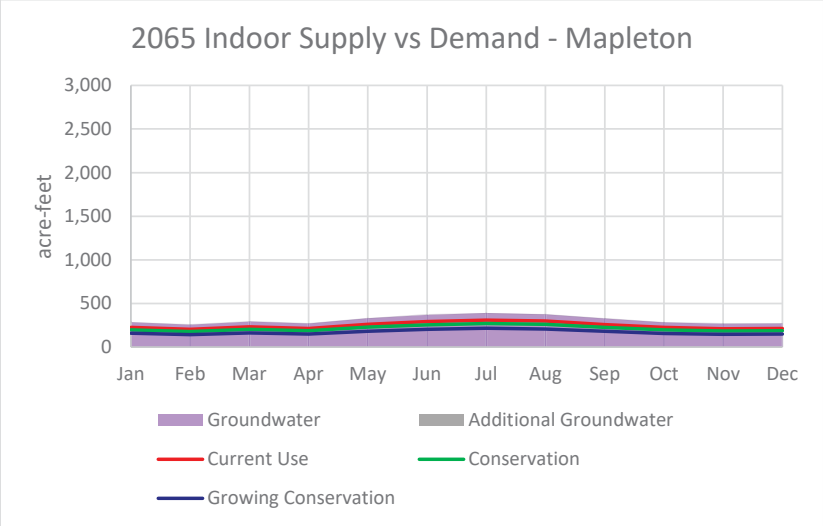

2050 Outdoor Supply vs Demand - Mapleton
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

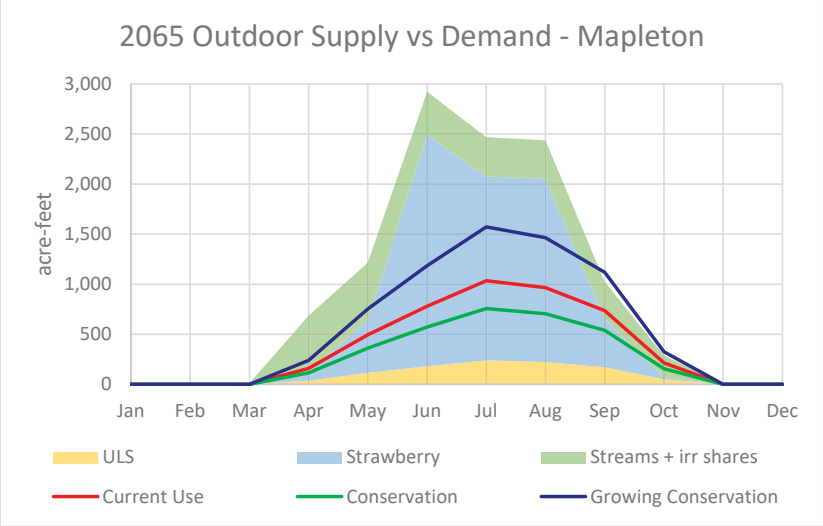

2060 Total Supply vs Demand - Mapleton
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Mapleton
acre-feet
500
400
300
200
100
0
Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

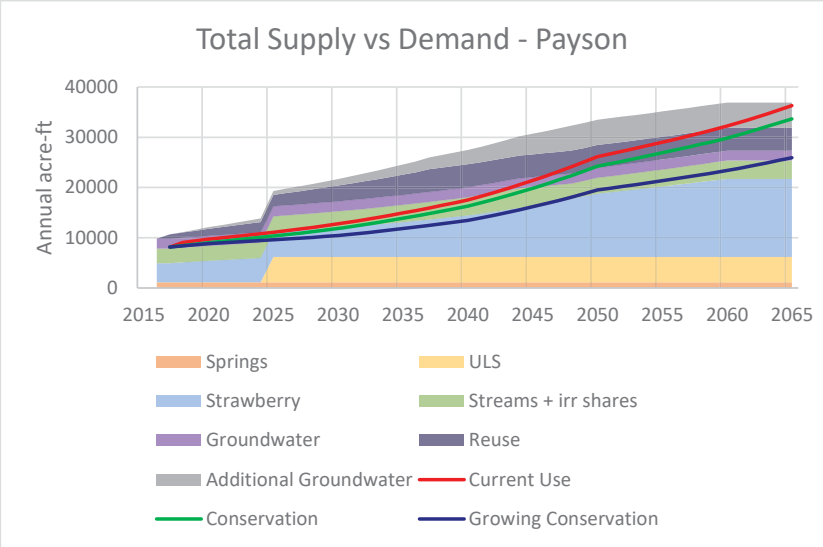

2060 Outdoor Supply vs Demand - Mapleton
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

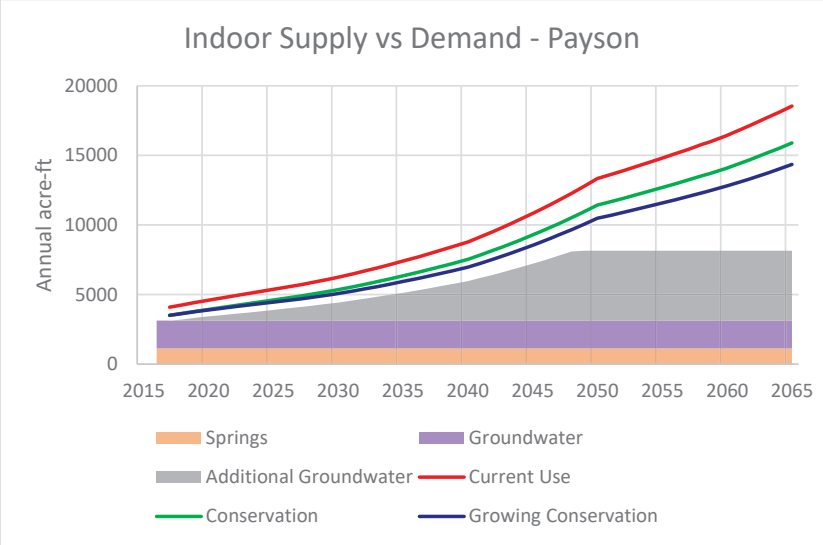

2065 Total Supply vs Demand - Mapleton
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

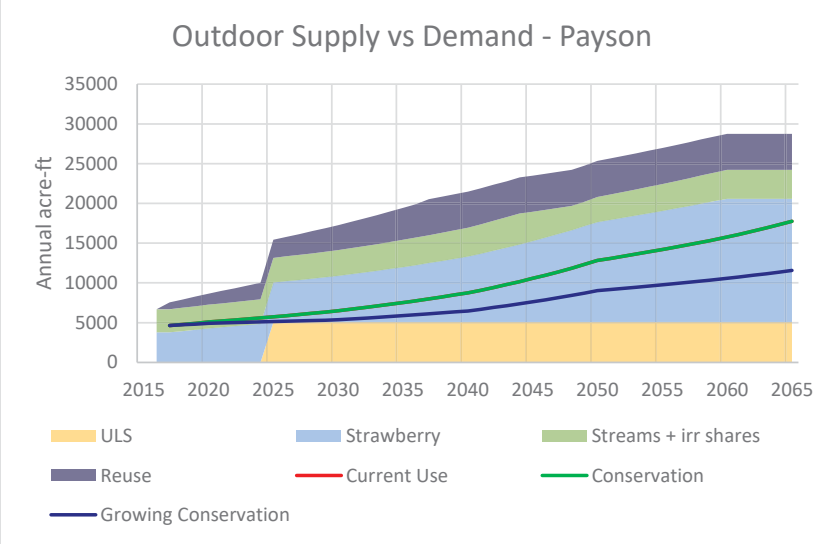

2065 Indoor Supply vs Demand - Mapleton
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

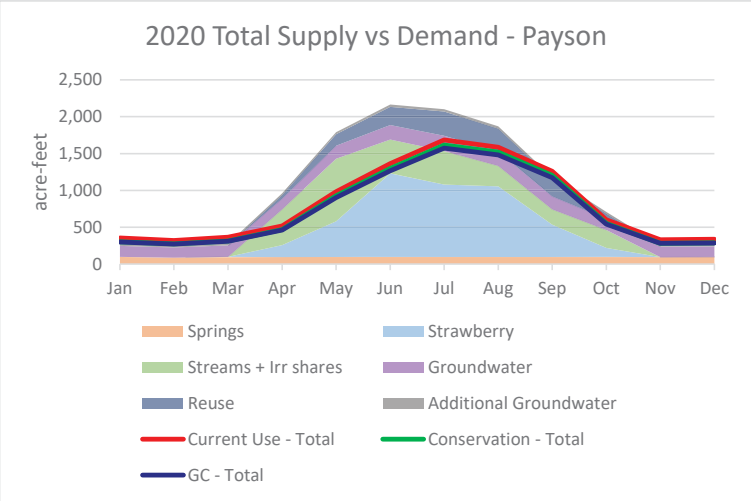

2065 Outdoor Supply vs Demand - Mapleton
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

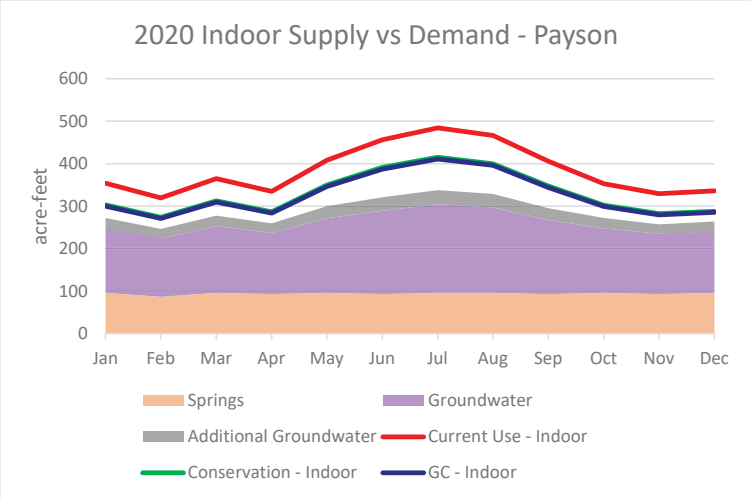
PAYSON

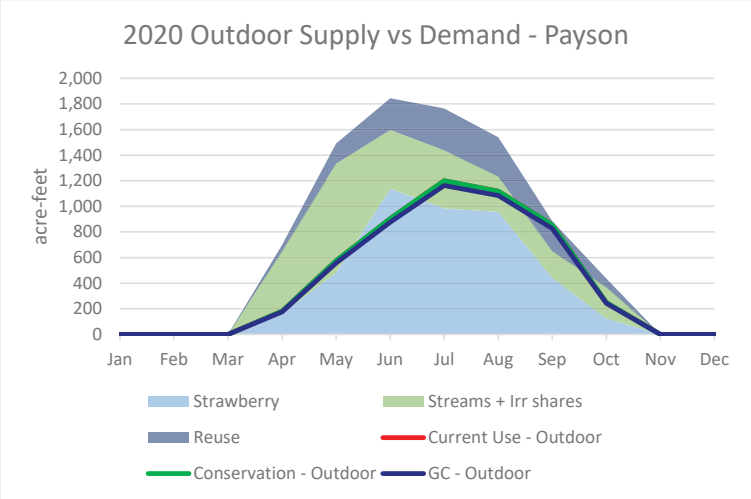

Total Supply vs Demand - Payson
Annual acre-ft
40000
30000
20000
10000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Reuse
Additional Groundwater
Current Use
Conservation
Growing Conservation

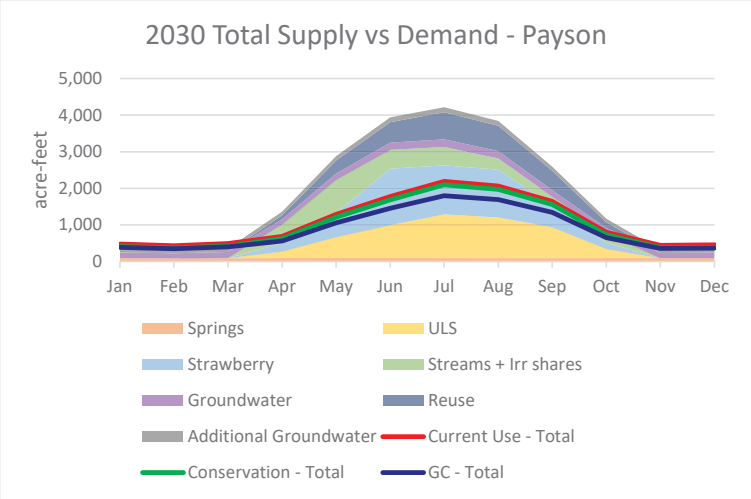

Indoor Supply vs Demand - Payson
Annual acre-ft
20000
15000
10000
5000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

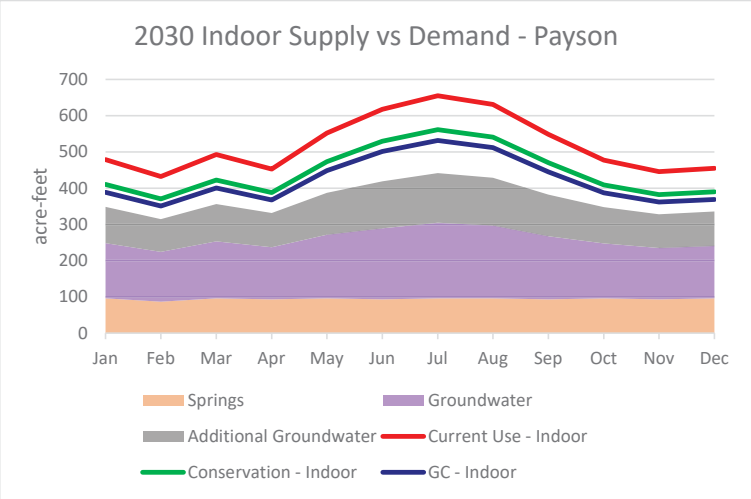

Outdoor Supply vs Demand - Payson
Annual acre-ft
35000
30000
25000
20000
15000
10000
5000
0
2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065
ULS
Strawberry
Streams + irr shares
Reuse
Current Use
Conservation
Growing Conservation

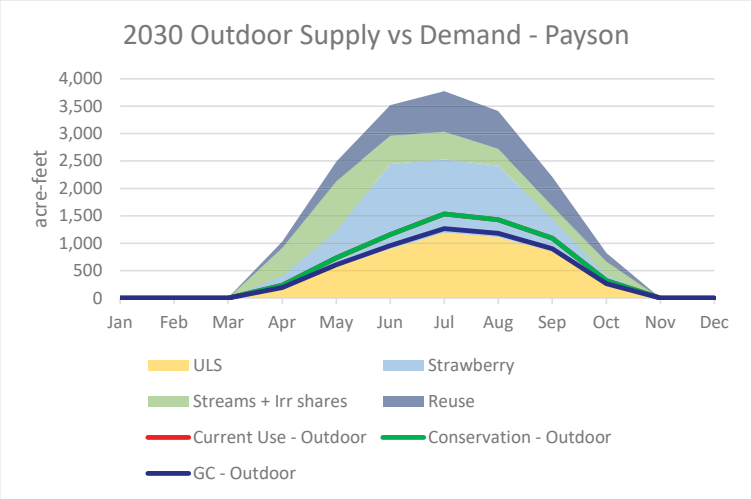

2020 Total Supply vs Demand - Payson
acre-feet
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

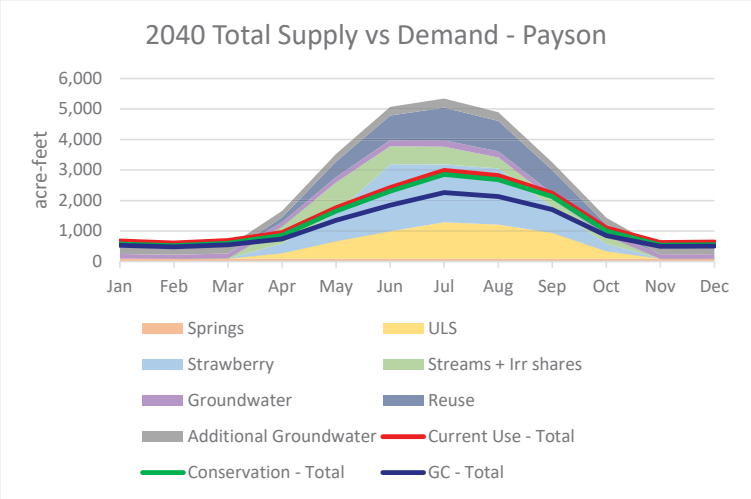

2020 Indoor Supply vs Demand - Payson
acre-feet
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

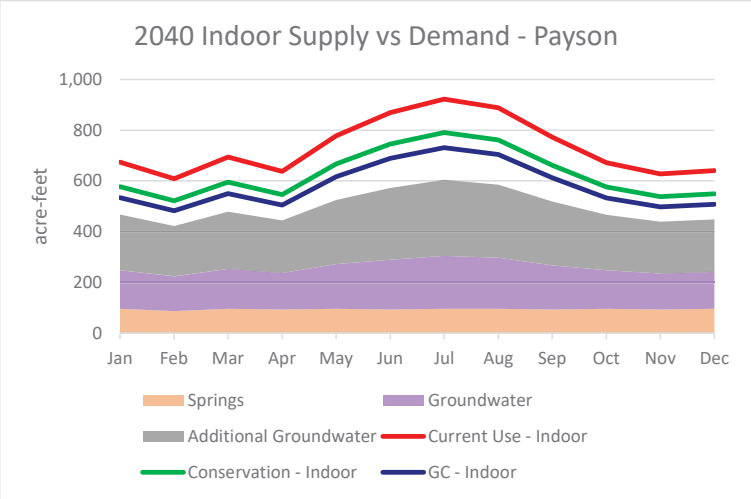

2020 Outdoor Supply vs Demand - Payson
acre-feet
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

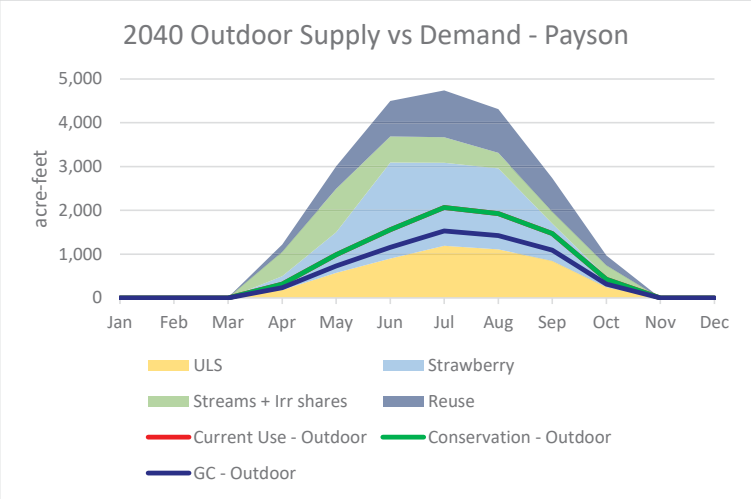

2030 Total Supply vs Demand - Payson
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

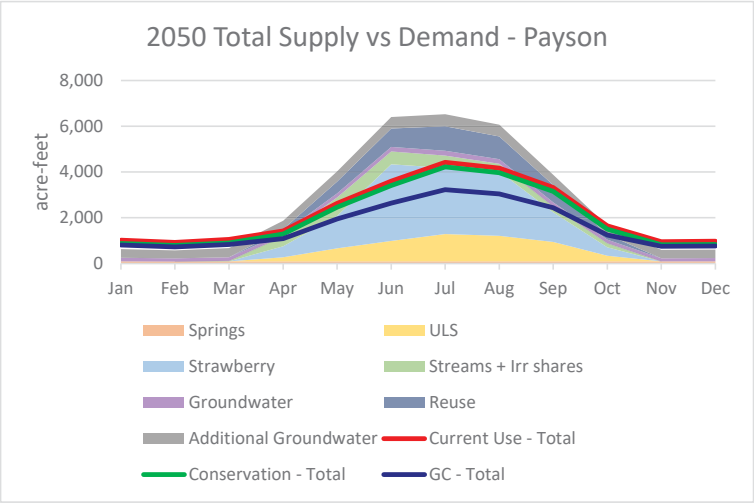

2030 Indoor Supply vs Demand - Payson
acre-feet
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

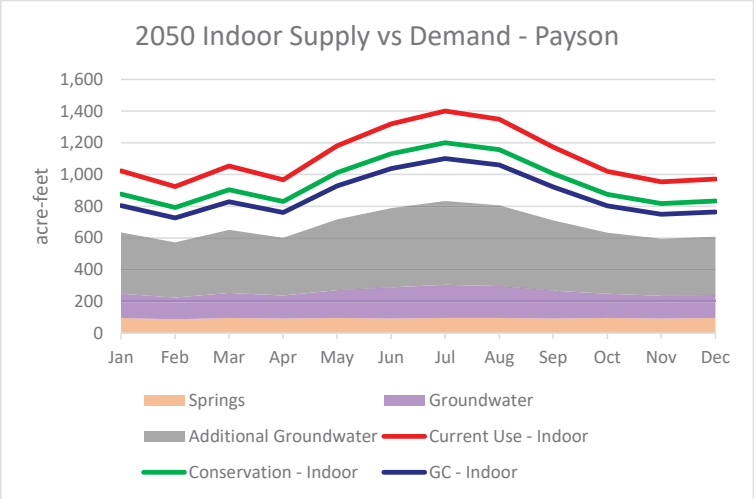

2030 Outdoor Supply vs Demand - Payson
acre-feet
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

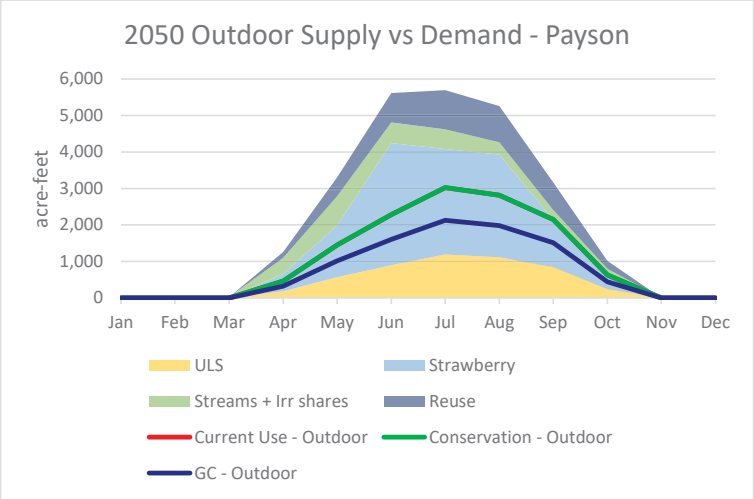

2040 Total Supply vs Demand - Payson
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

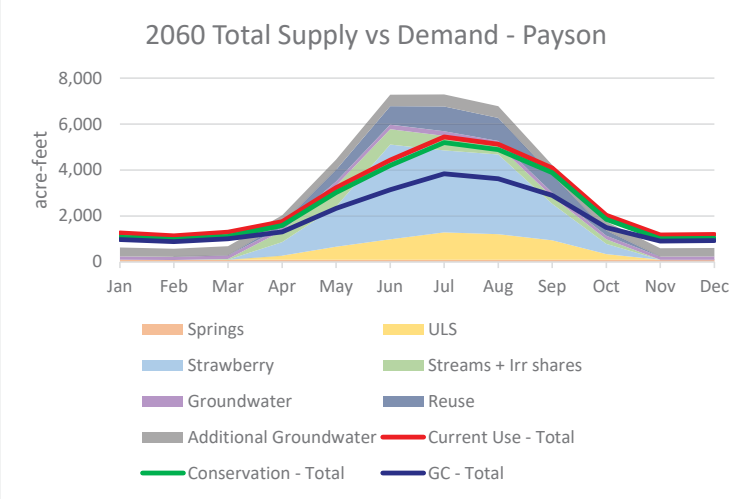

2040 Indoor Supply vs Demand - Payson
acre-feet
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

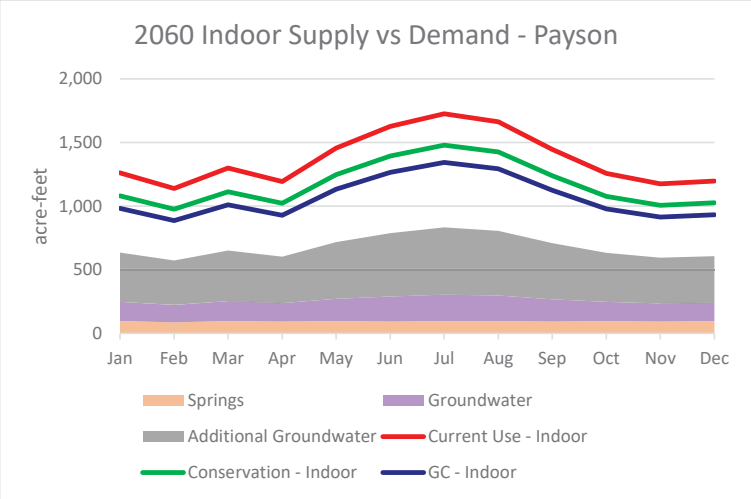

2040 Outdoor Supply vs Demand - Payson
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

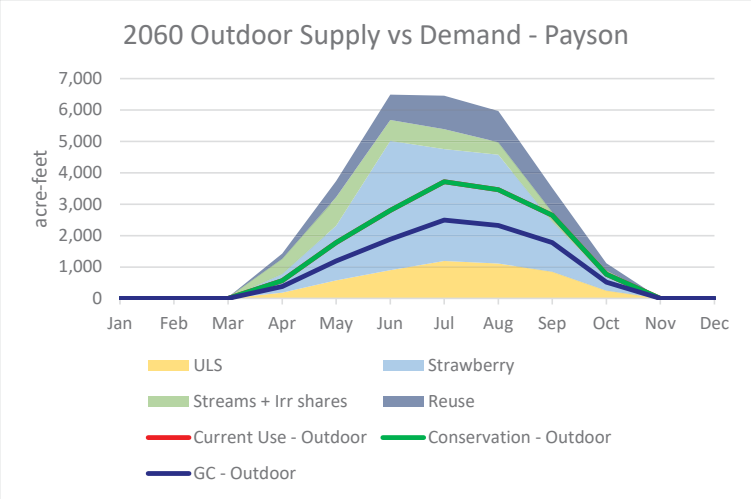

2050 Total Supply vs Demand - Payson
acre-feet
8,000
6,000
4,000
2,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

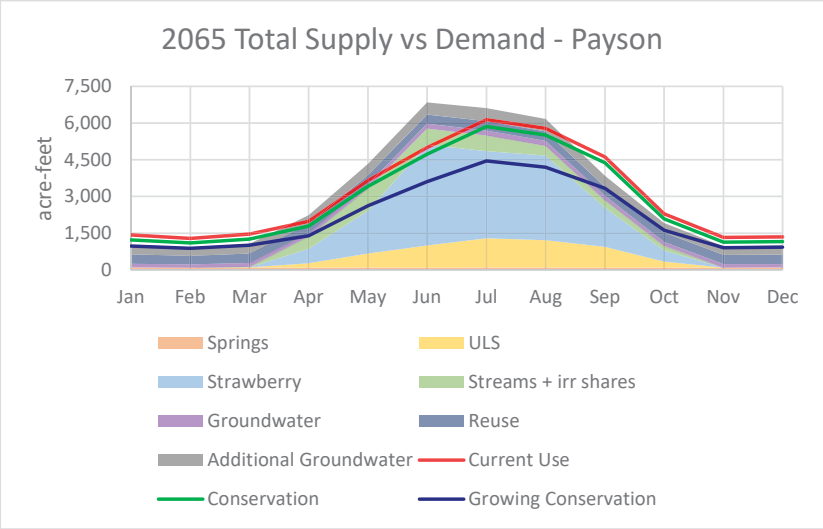

2050 Indoor Supply vs Demand - Payson
acre-feet
1,600
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

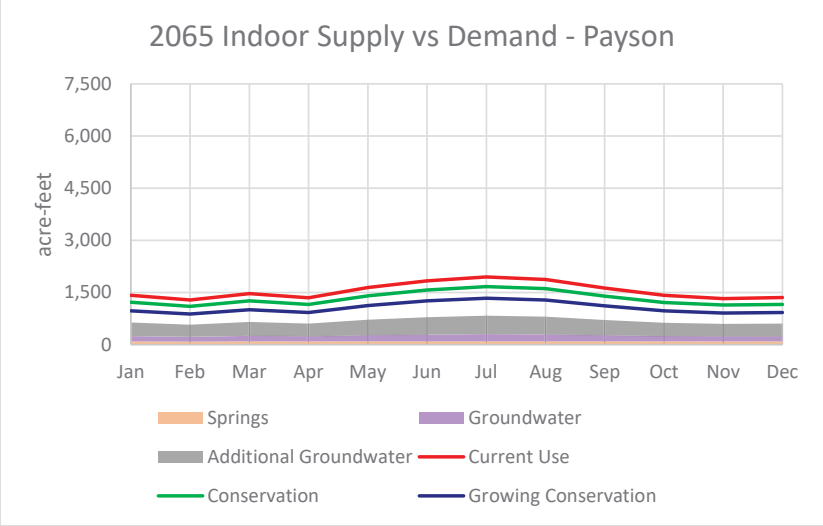

2050 Outdoor Supply vs Demand - Payson
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

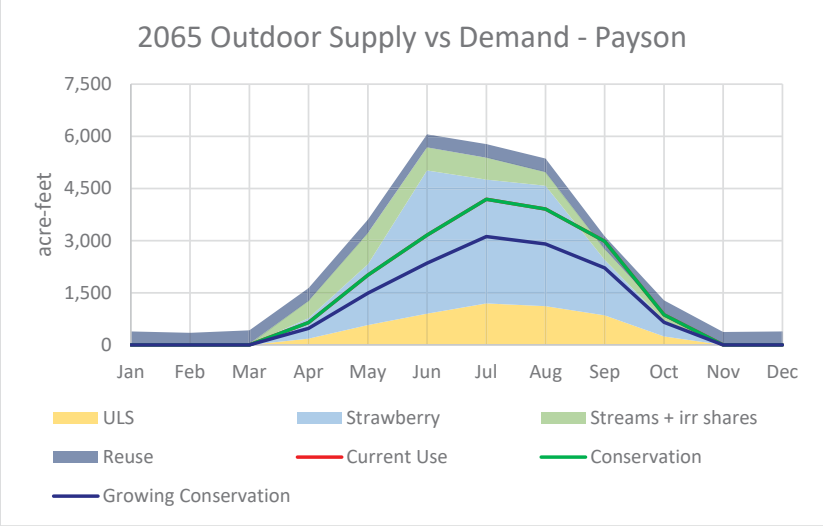

2060 Total Supply vs Demand - Payson
acre-feet
8,000
6,000
4,000
2,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Payson
acre-feet
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

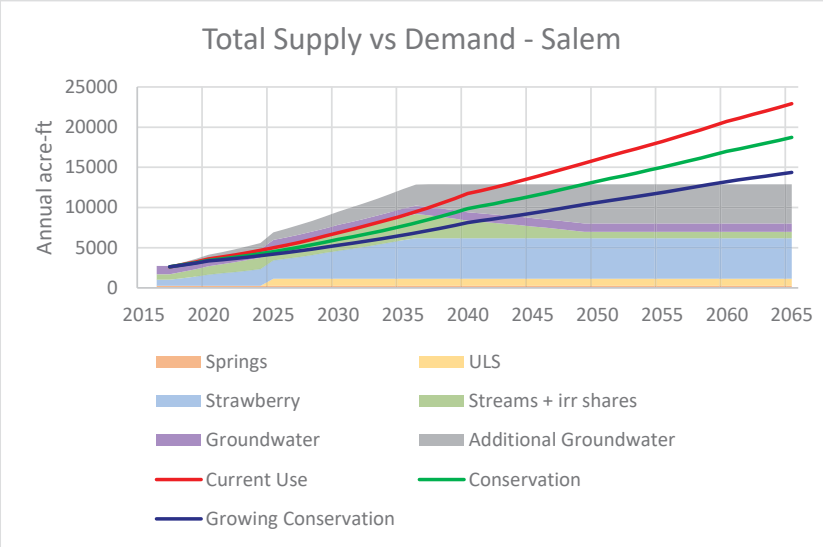

2060 Outdoor Supply vs Demand - Payson
acre-feet
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

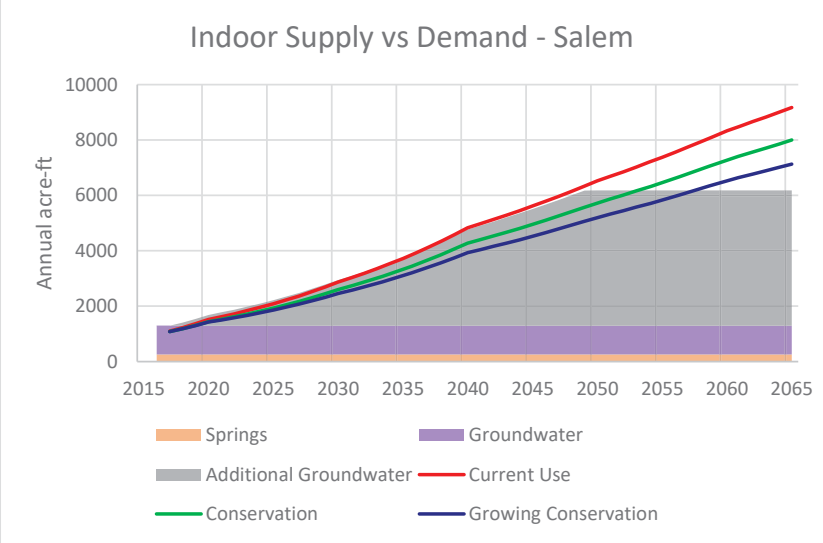

2065 Total Supply vs Demand - Payson
acre-feet
7,500
6,000
4,500
3,000
1,500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Reuse
Additional Groundwater
Current Use
Conservation
Growing Conservation

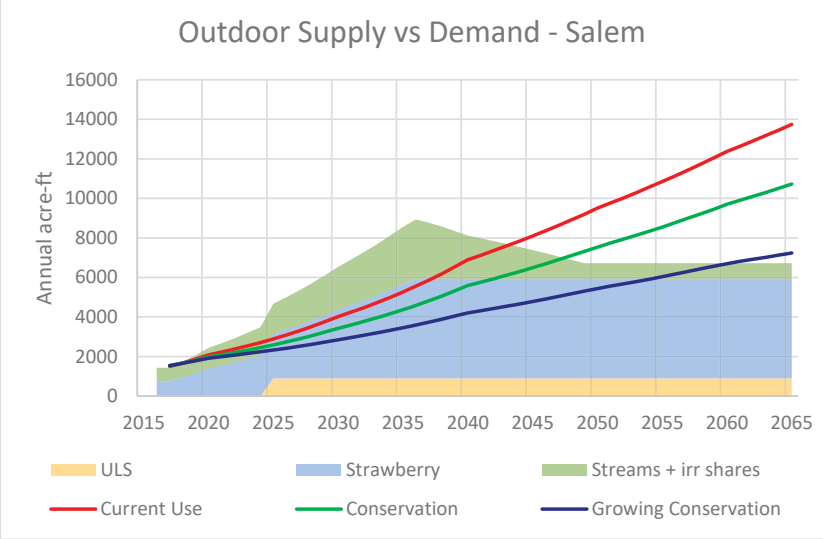

2065 Indoor Supply vs Demand - Payson
acre-feet
7,500
6,000
4,500
3,000
1,500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

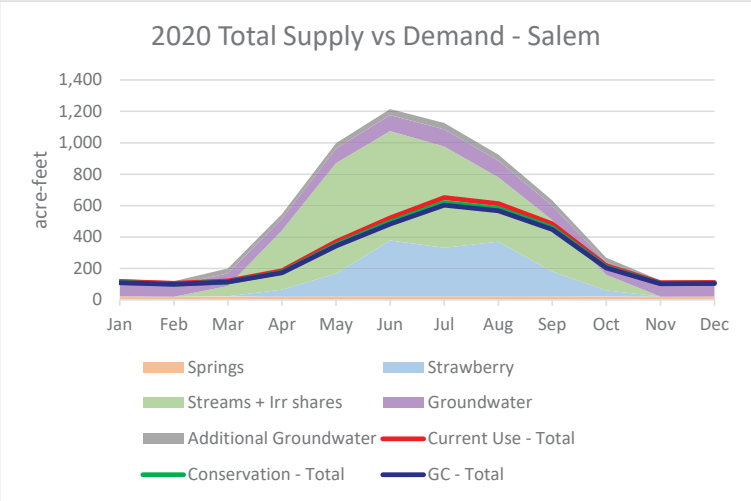

2065 Outdoor Supply vs Demand - Payson
acre-feet
7,500
6,000
4,500
3,000
1,500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + irr shares
Reuse
Current Use
Conservation
Growing Conservation

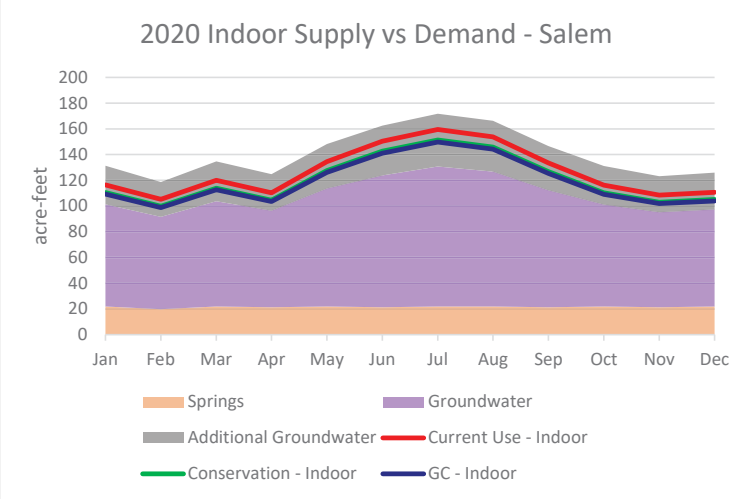
SALEM

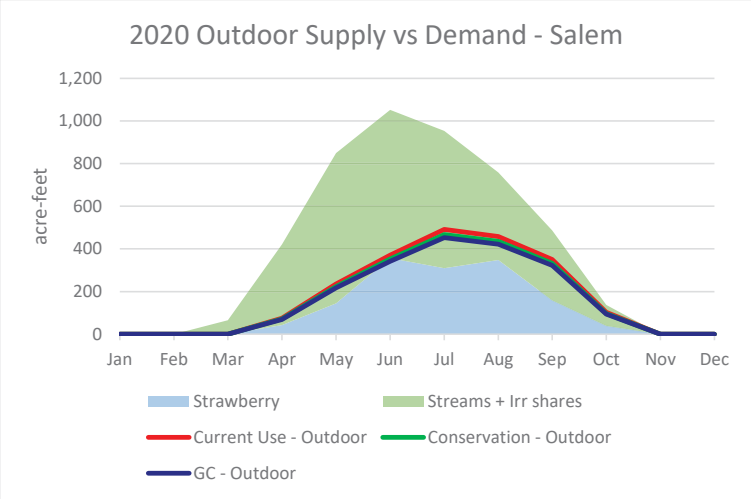

Total Supply vs Demand - Salem
Annual acre-ft
25000
20000
15000
10000
5000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

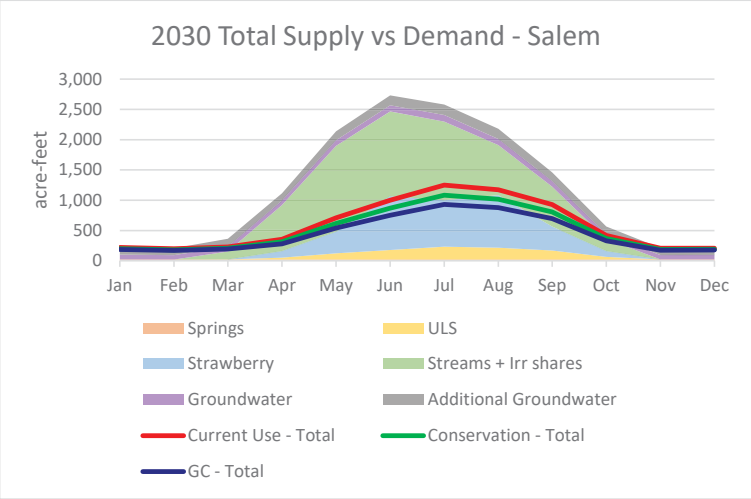

Indoor Supply vs Demand - Salem
Annual acre-ft
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

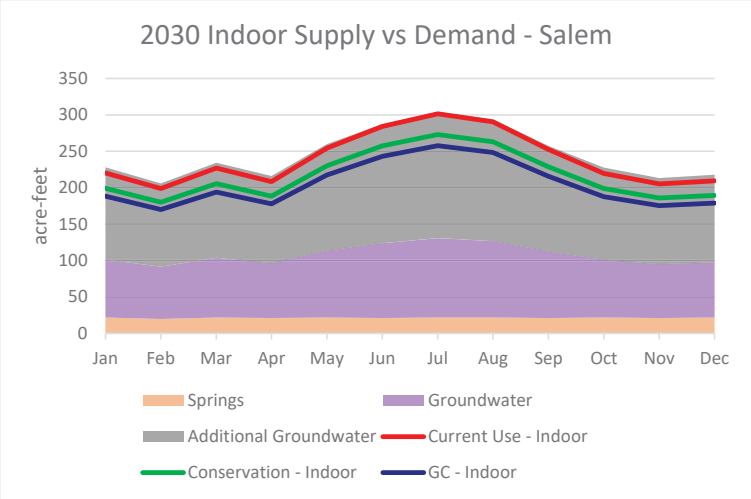

Outdoor Supply vs Demand - Salem
Annual acre-ft
16000
14000
12000
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

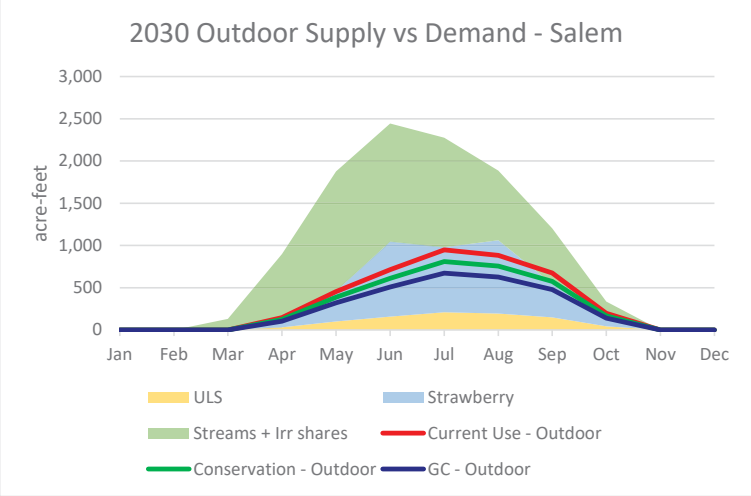

2020 Total Supply vs Demand - Salem
acre-feet
1,400
1,200
1,000
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

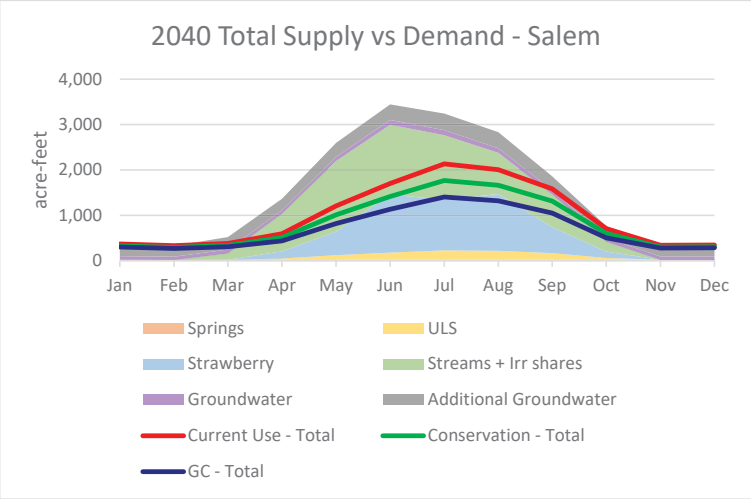

2020 Indoor Supply vs Demand - Salem
acre-feet
200
180
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

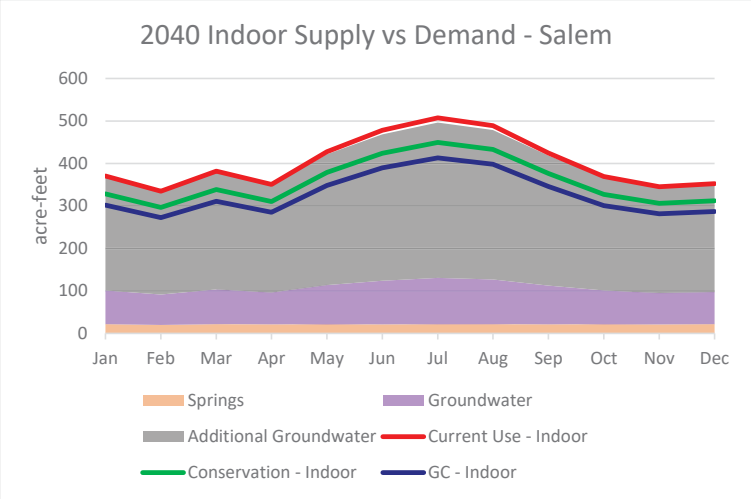

2020 Outdoor Supply vs Demand - Salem
acre-feet
1,200
1,000
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

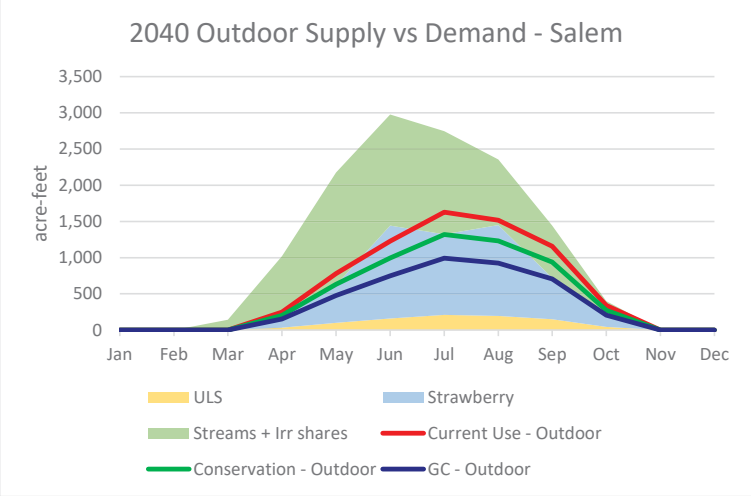

2030 Total Supply vs Demand - Salem
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

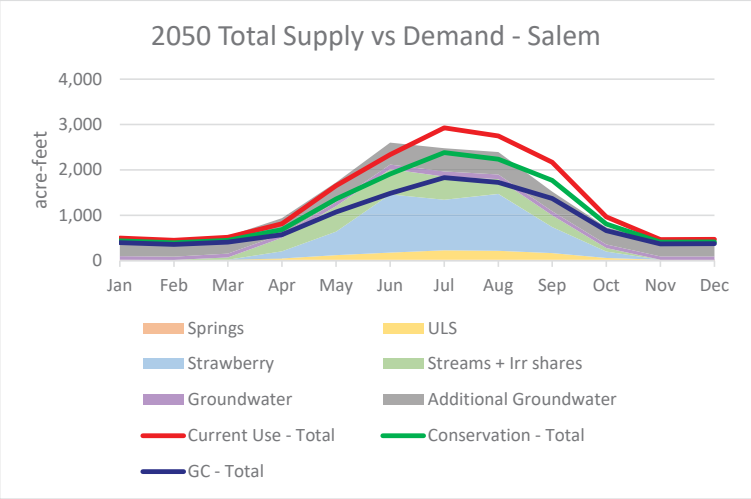

2030 Indoor Supply vs Demand - Salem
acre-feet
350
300
250
200
150
100
50
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

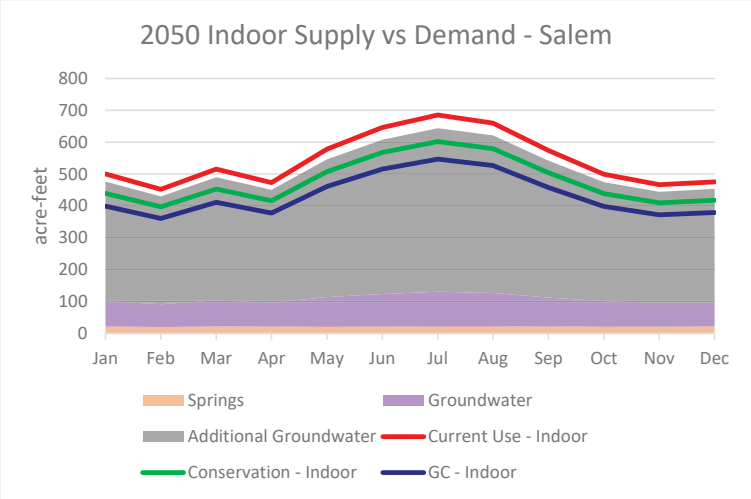

2030 Outdoor Supply vs Demand - Salem
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

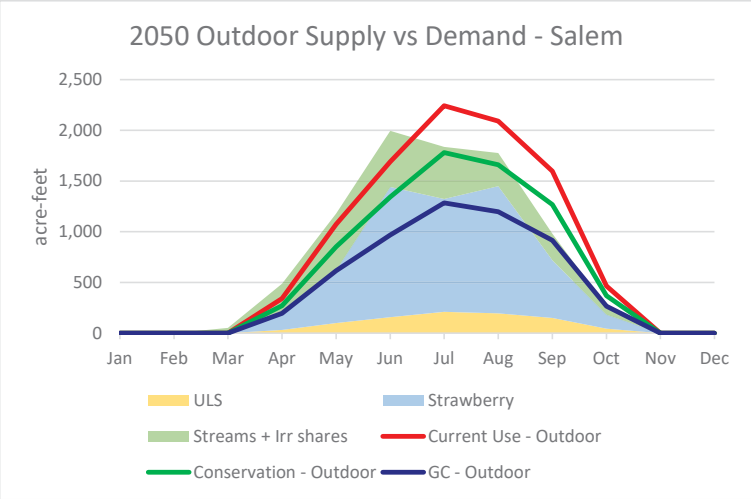

2040 Total Supply vs Demand - Salem
4,000
3,000
2,000
1,000
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

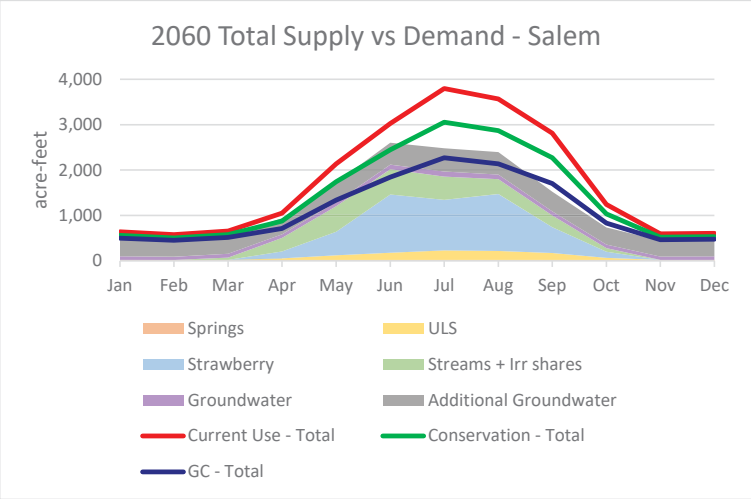

2040 Indoor Supply vs Demand - Salem
600
500
400
300
200
100
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

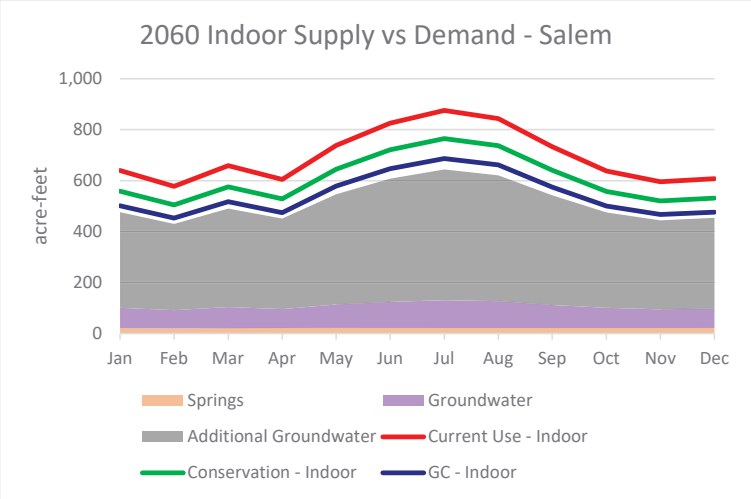

2040 Outdoor Supply vs Demand - Salem
3,500
3,000
2,500
2,000
1,500
1,000
500
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

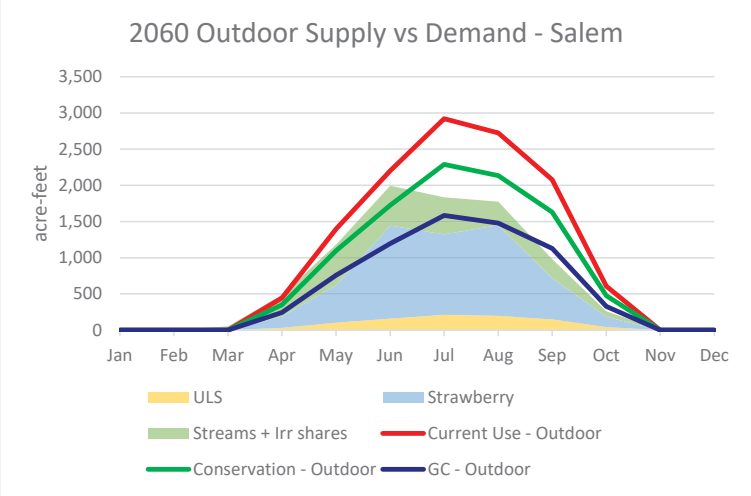

2050 Total Supply vs Demand - Salem
acre-feet
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

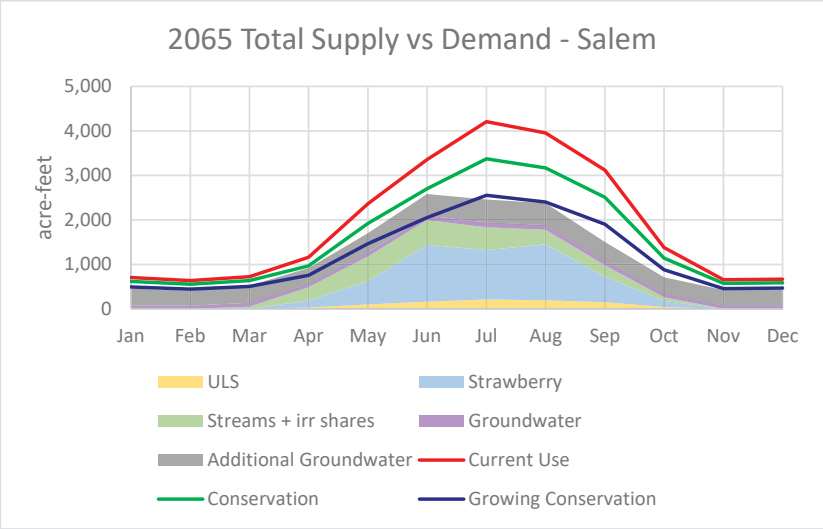

2050 Indoor Supply vs Demand - Salem
acre-feet
800
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

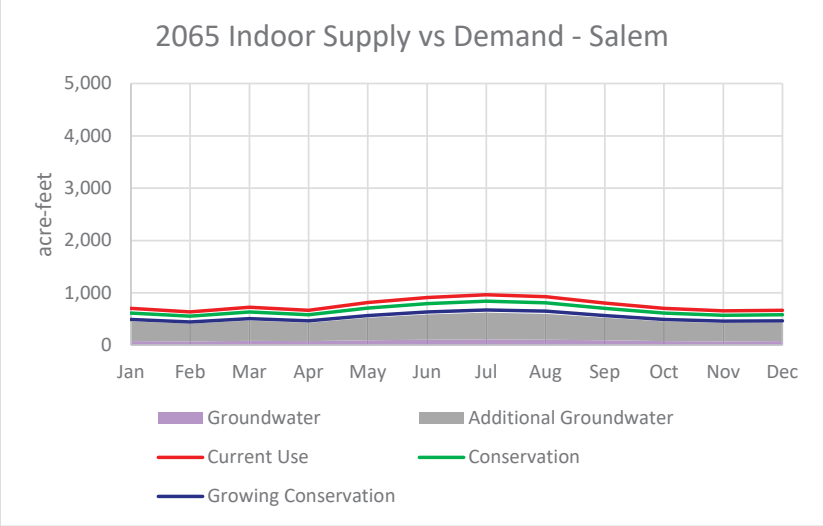

2050 Outdoor Supply vs Demand - Salem
acre-feet
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

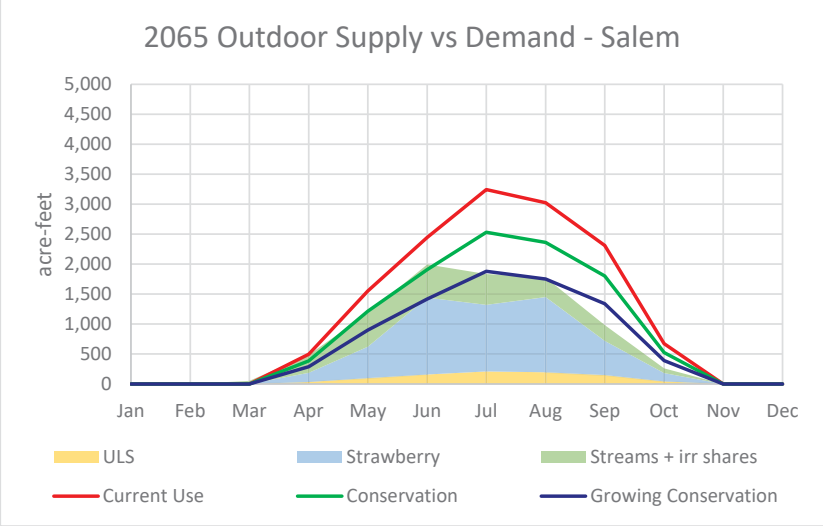

2060 Total Supply vs Demand - Salem
acre-feet
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Salem
acre-feet
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

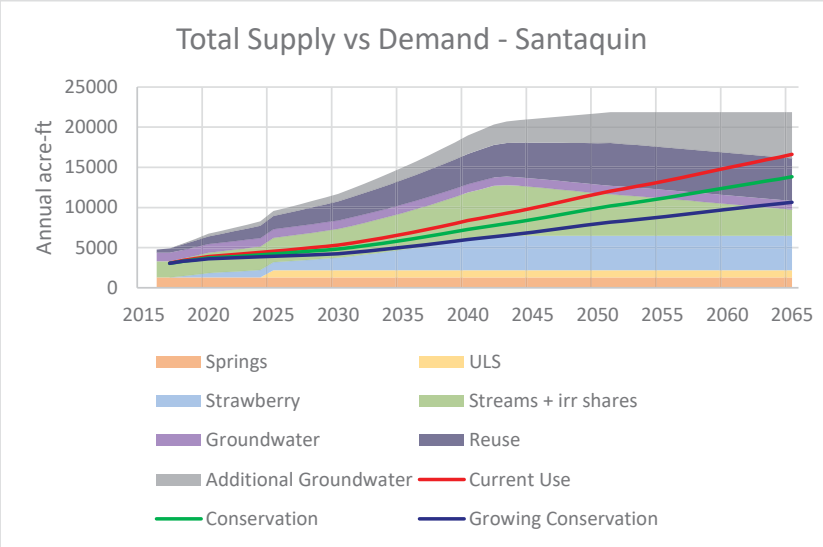

2060 Outdoor Supply vs Demand - Salem
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

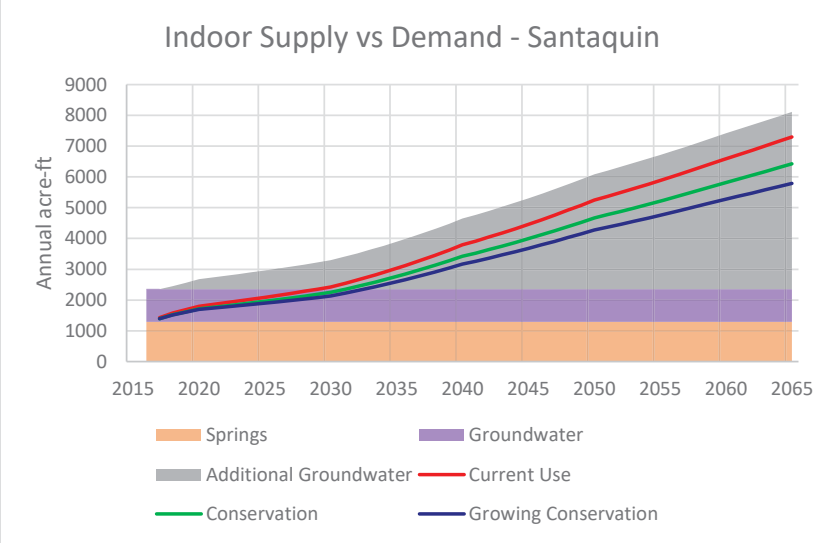

2065 Total Supply vs Demand - Salem
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

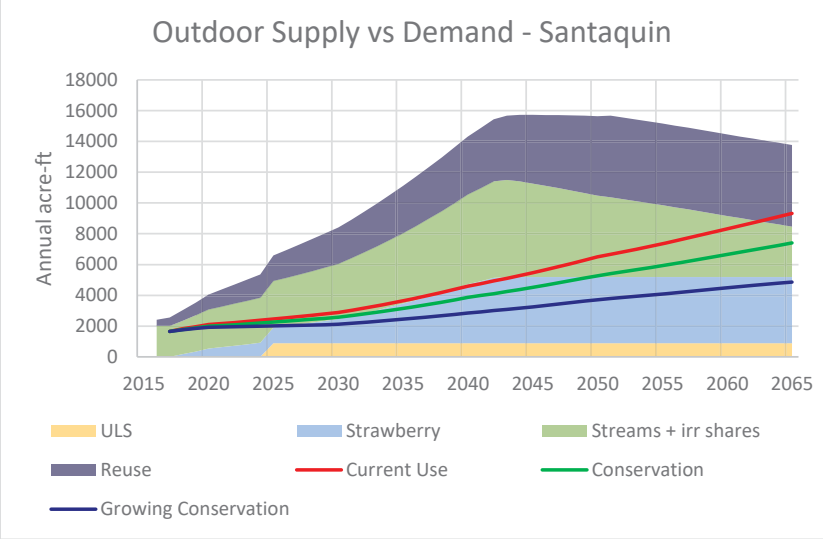

2065 Indoor Supply vs Demand - Salem
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

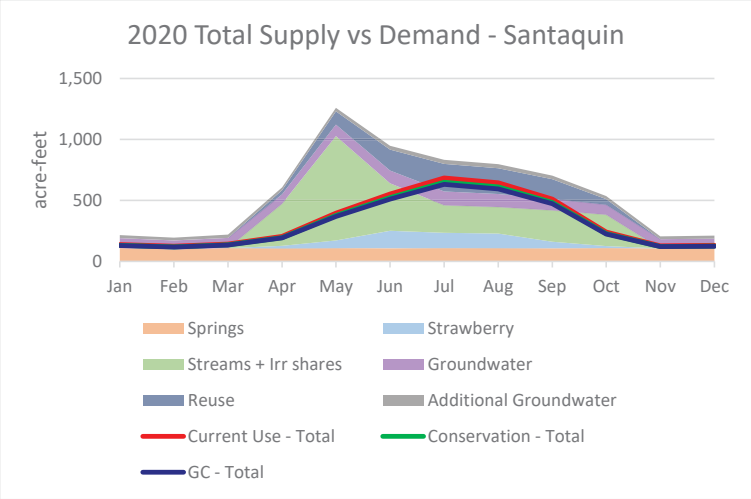

2065 Outdoor Supply vs Demand - Salem
acre-feet
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

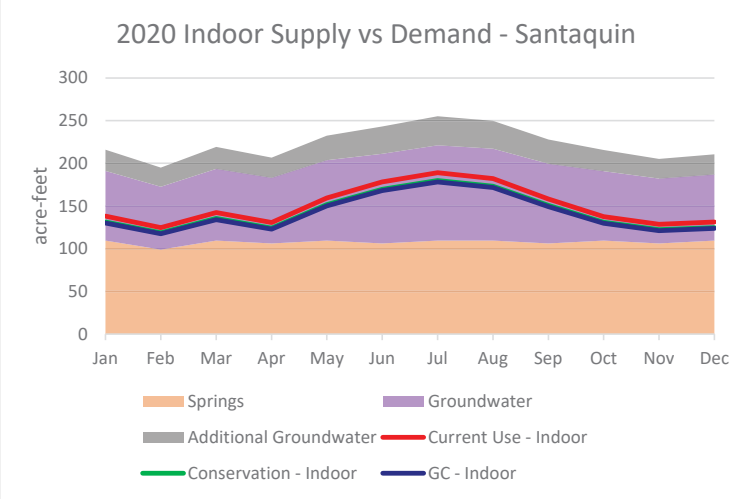
SANTAQUIN

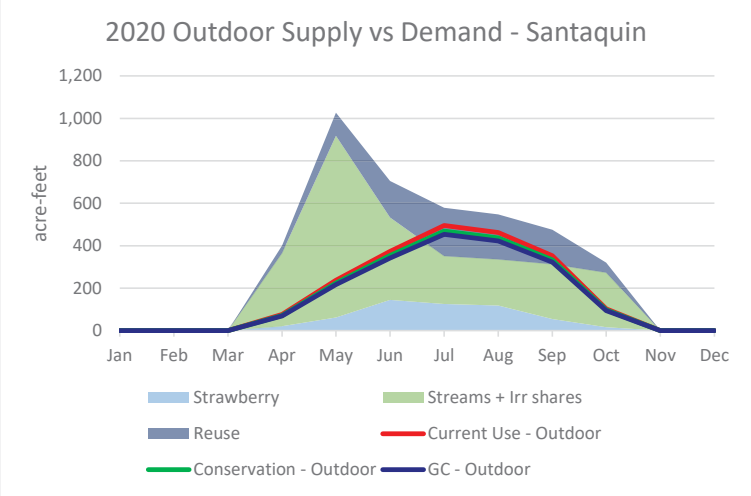

Total Supply vs Demand - Santaquin
Annual acre-ft
25000
20000
15000
10000
5000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Reuse
Additional Groundwater
Current Use
Conservation
Growing Conservation

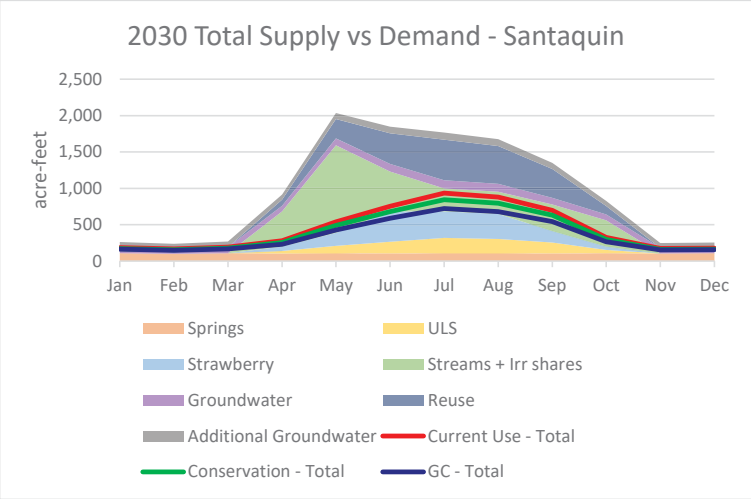

Indoor Supply vs Demand - Santaquin
Annual acre-ft
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

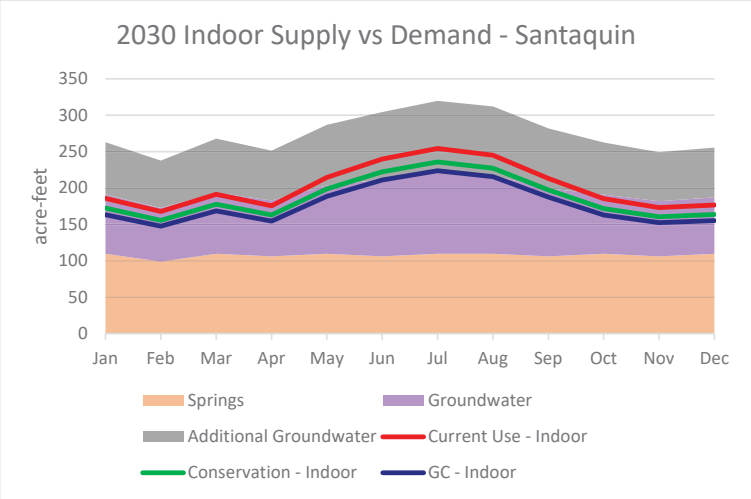

Outdoor Supply vs Demand - Santaquin
Annual acre-ft
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Strawberry
Streams + irr shares
Reuse
Current Use
Conservation
Growing Conservation

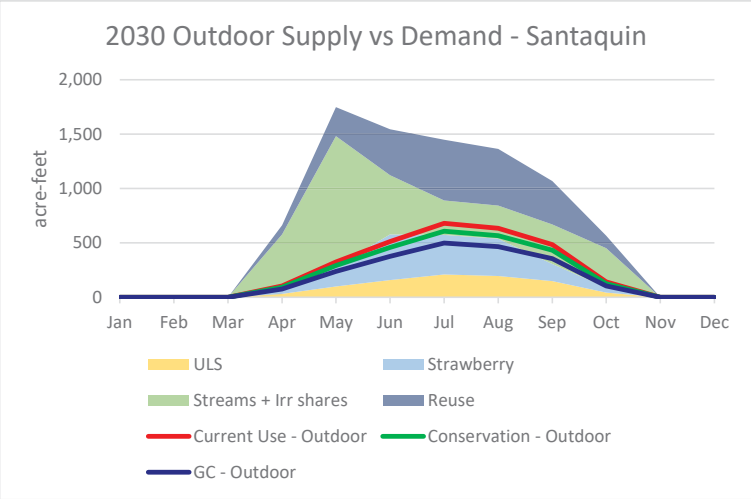

2020 Total Supply vs Demand - Santaquin
1,500
1,000
500
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

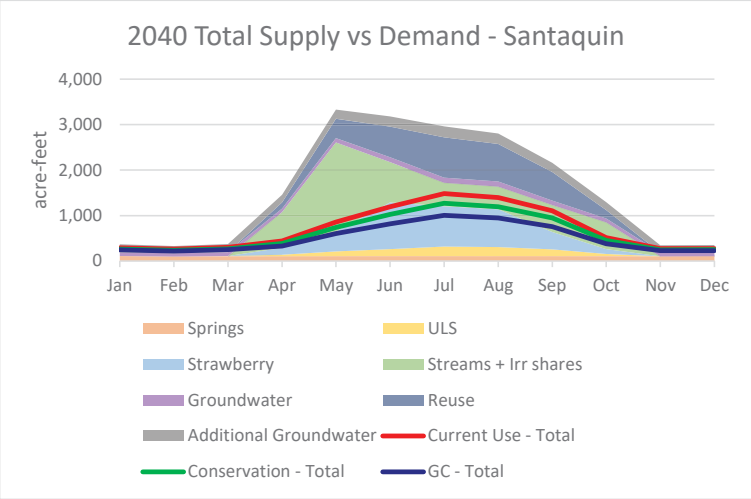

2020 Indoor Supply vs Demand - Santaquin
300
250
200
150
100
50
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

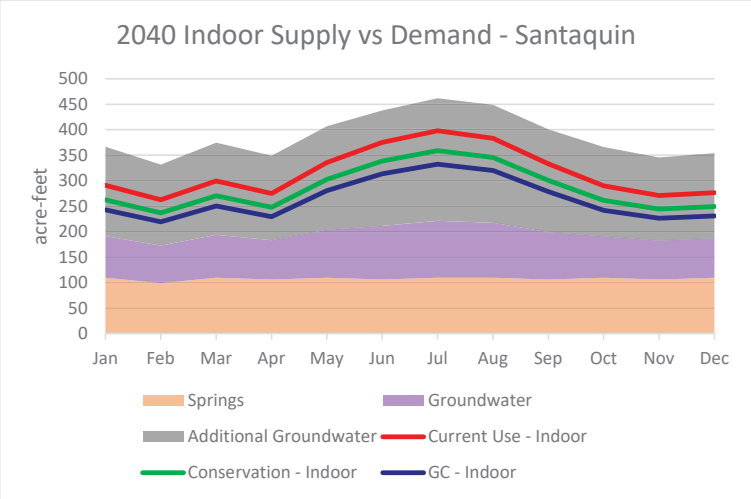

2020 Outdoor Supply vs Demand - Santaquin
1,200
1,000
800
600
400
200
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

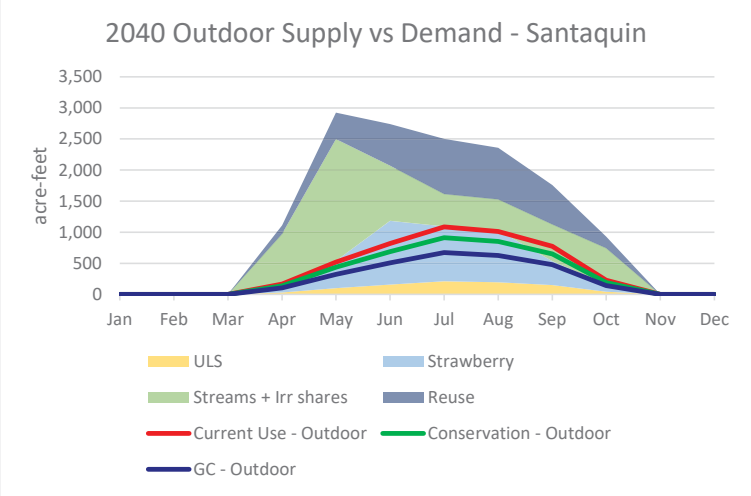

2030 Total Supply vs Demand - Santaquin
acre-feet
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

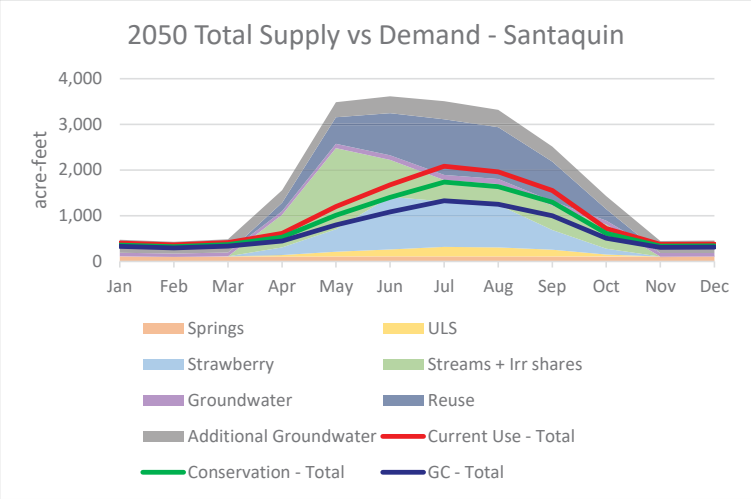

2030 Indoor Supply vs Demand - Santaquin
acre-feet
350
300
250
200
150
100
50
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

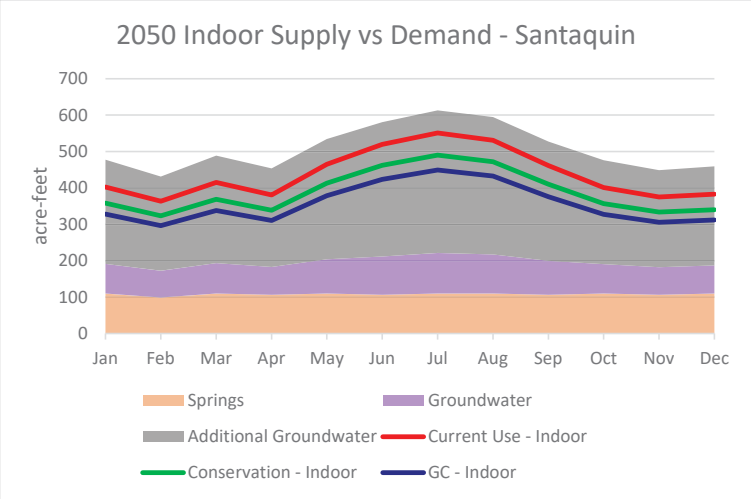

2030 Outdoor Supply vs Demand - Santaquin
acre-feet
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

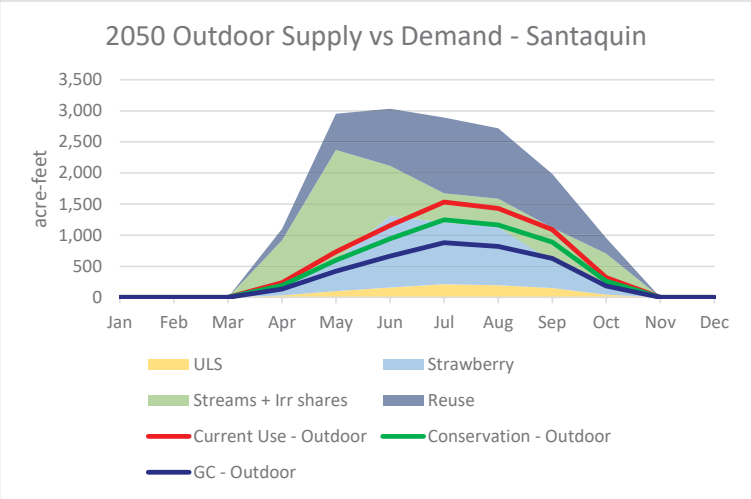

2040 Total Supply vs Demand - Santaquin
acre-feet
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

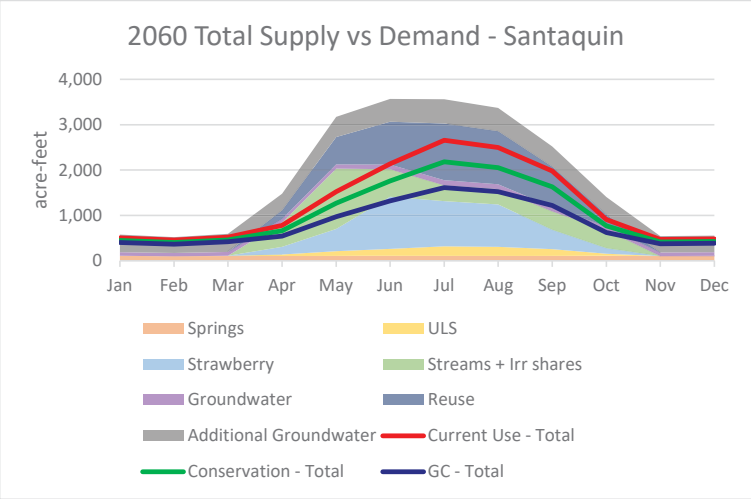

2040 Indoor Supply vs Demand - Santaquin
acre-feet
500
450
400
350
300
250
200
150
100
50
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

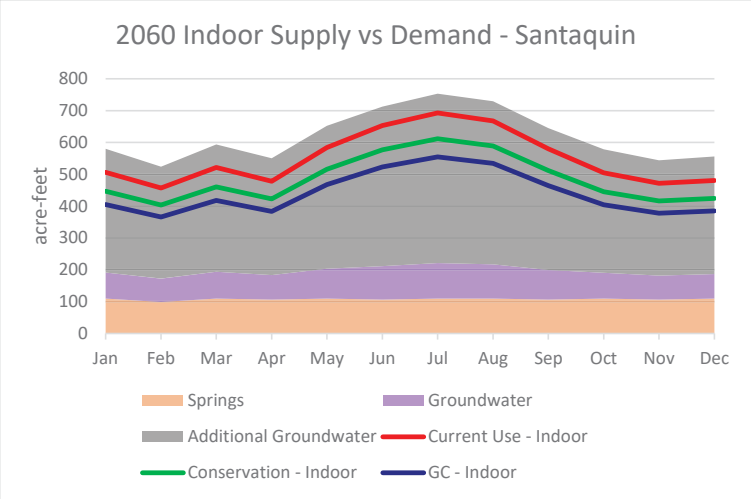

2040 Outdoor Supply vs Demand - Santaquin
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

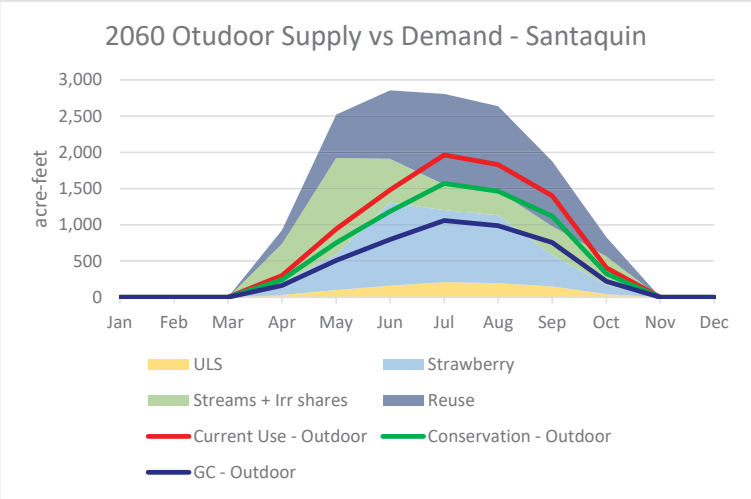

2050 Total Supply vs Demand - Santaquin
acre-feet
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

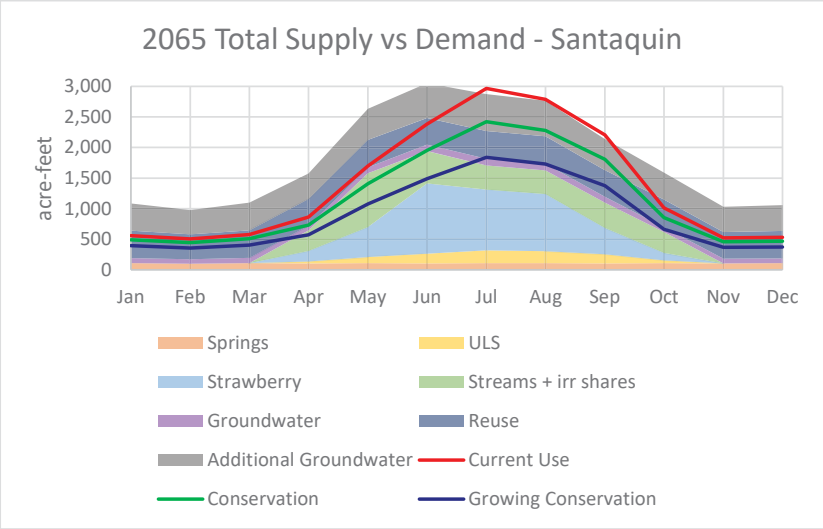

2050 Indoor Supply vs Demand - Santaquin
acre-feet
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

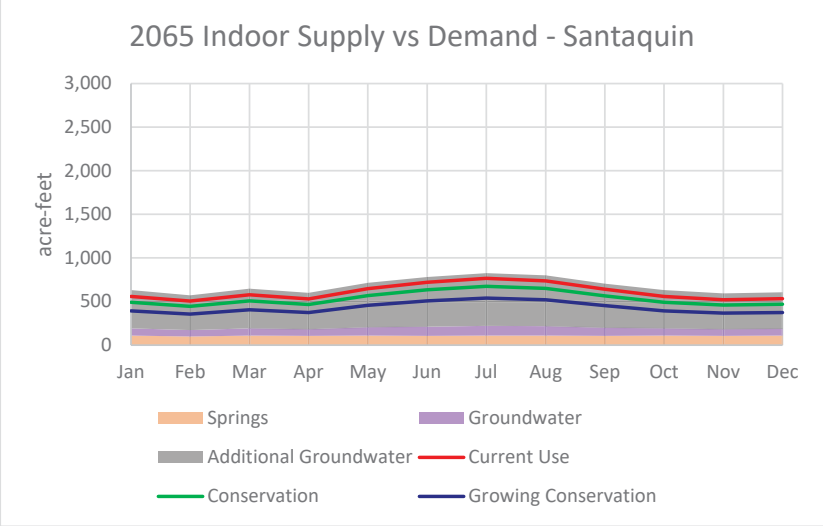

2050 Outdoor Supply vs Demand - Santaquin
acre-feet
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

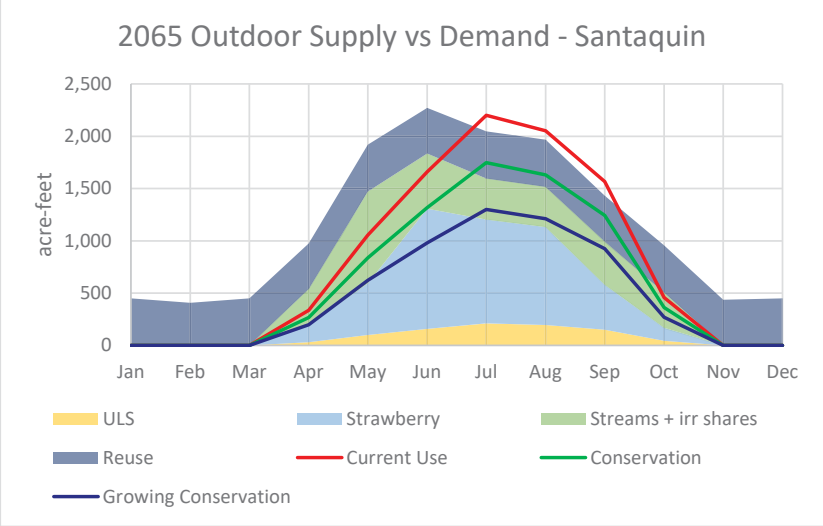

2060 Total Supply vs Demand - Santaquin
acre-feet
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Reuse
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Santaquin
acre-feet
800
700
600
500
400
300
200
100
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

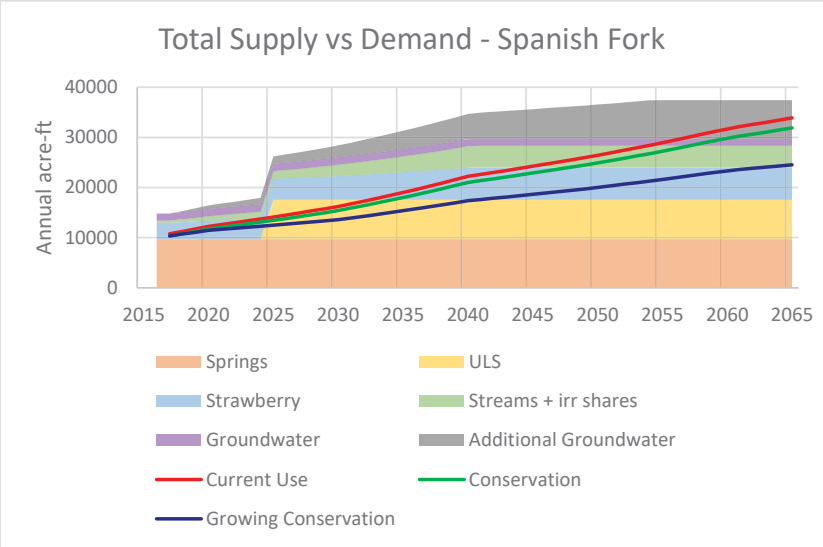

2060 Otudoor Supply vs Demand - Santaquin
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Reuse
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

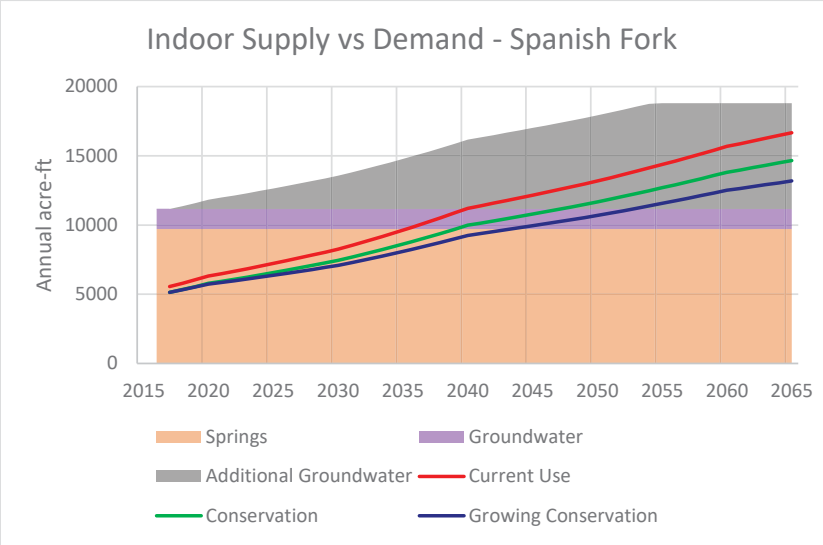

2065 Total Supply vs Demand - Santaquin
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Reuse
Additional Groundwater
Current Use
Conservation
Growing Conservation

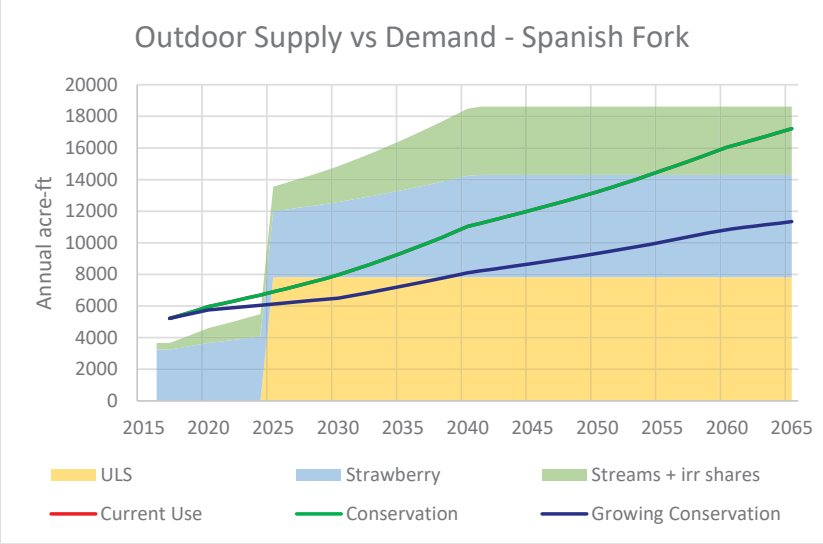

2065 Indoor Supply vs Demand - Santaquin
acre-feet
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

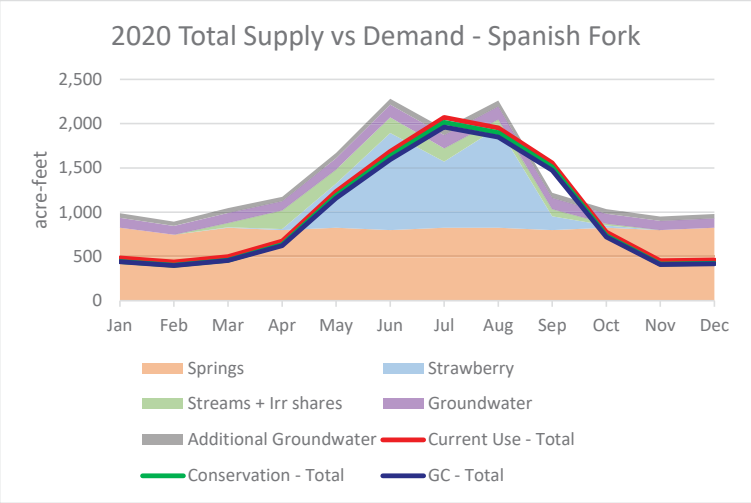

2065 Outdoor Supply vs Demand - Santaquin
acre-feet
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + irr shares
Reuse
Current Use
Conservation
Growing Conservation

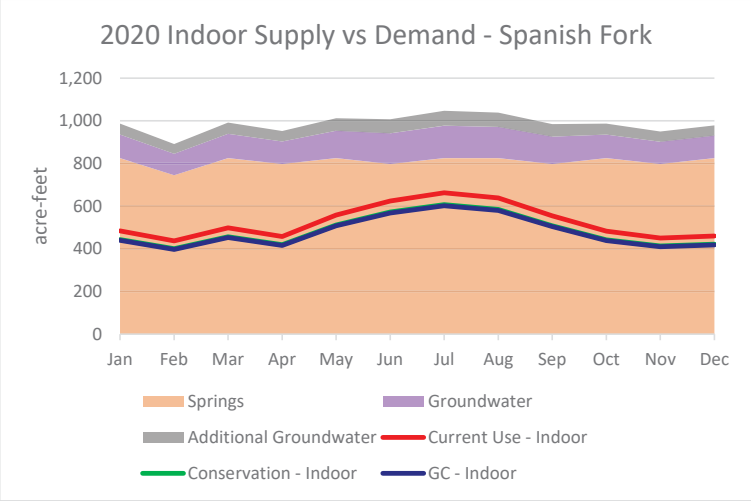
SPANISH FORK

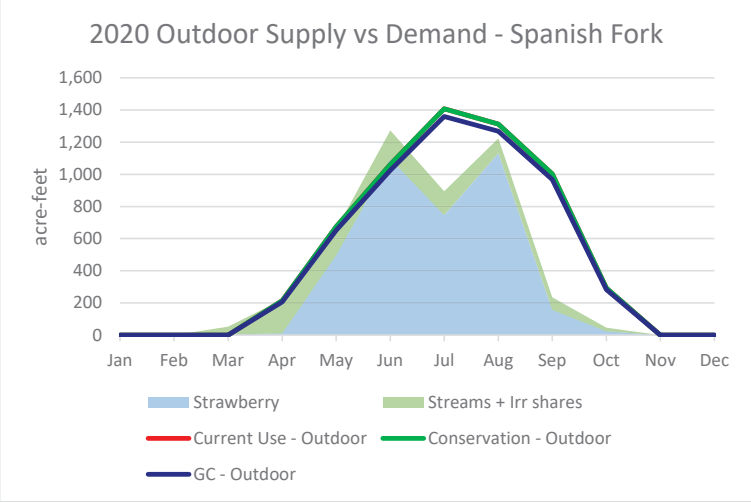

Total Supply vs Demand - Spanish Fork
Annual acre-ft
40000
30000
20000
10000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

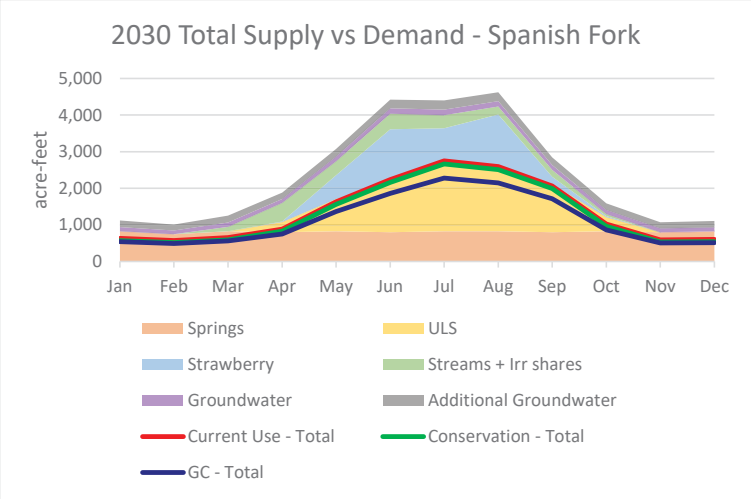

Indoor Supply vs Demand - Spanish Fork
Annual acre-ft
20000
15000
10000
5000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

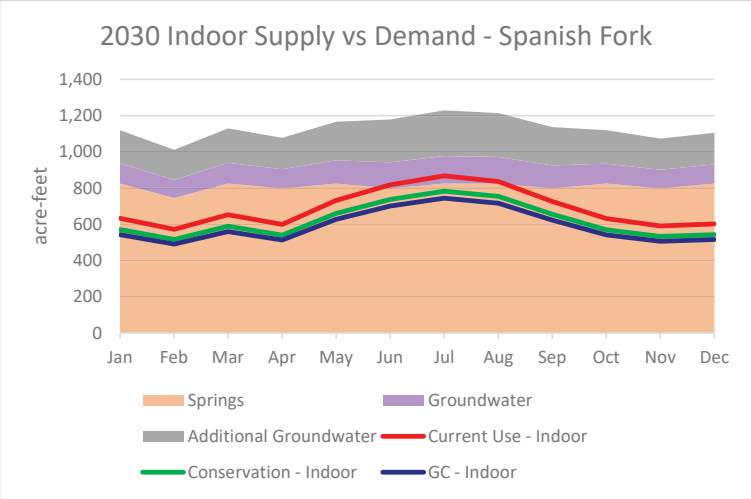

Outdoor Supply vs Demand - Spanish Fork
Annual acre-ft
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

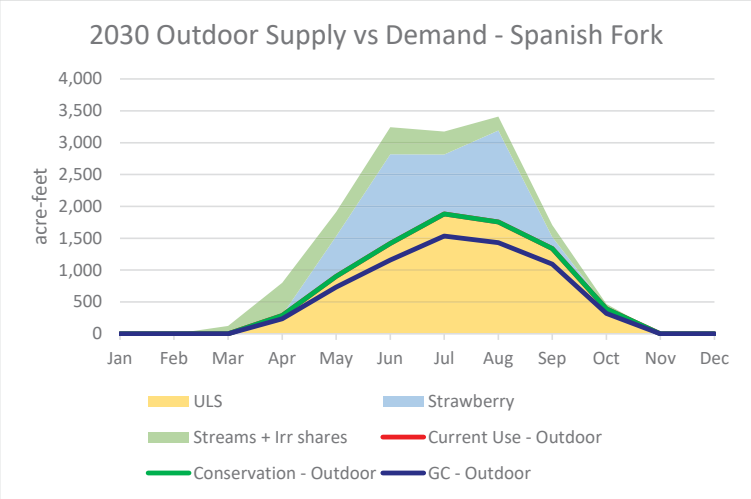

2020 Total Supply vs Demand - Spanish Fork
acre-feet
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

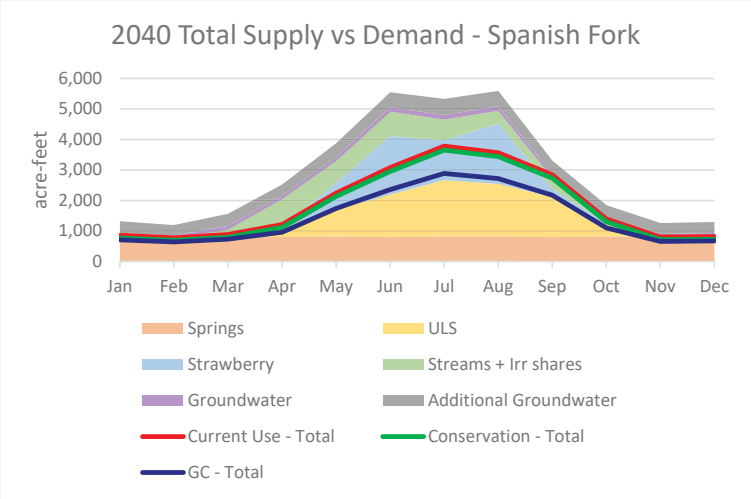

2020 Indoor Supply vs Demand - Spanish Fork
acre-feet
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

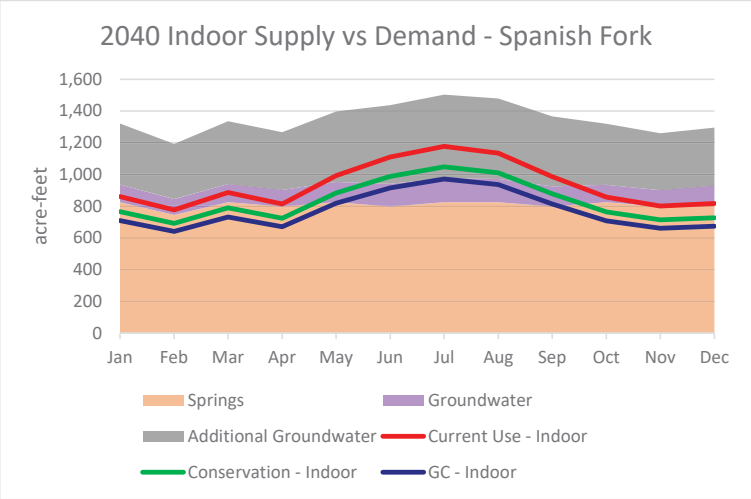

2020 Outdoor Supply vs Demand - Spanish Fork
acre-feet
1,600
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

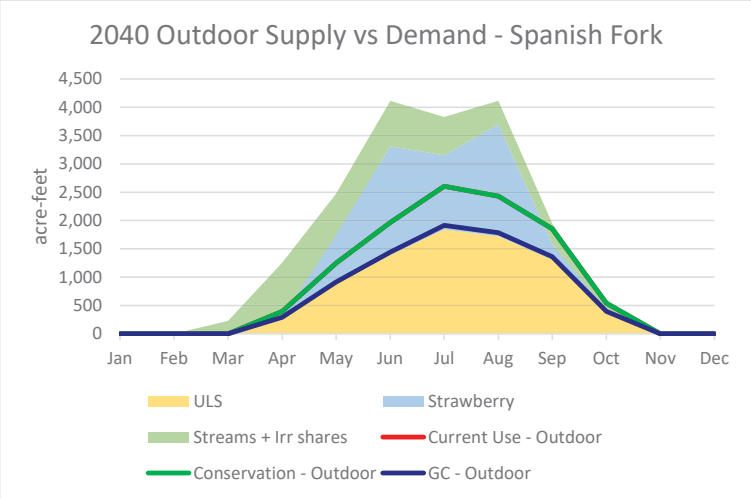

2030 Total Supply vs Demand - Spanish Fork
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

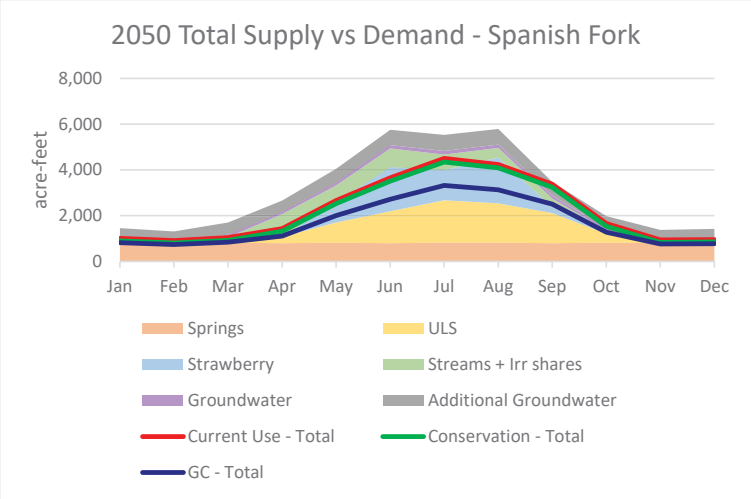

2030 Indoor Supply vs Demand - Spanish Fork
acre-feet
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

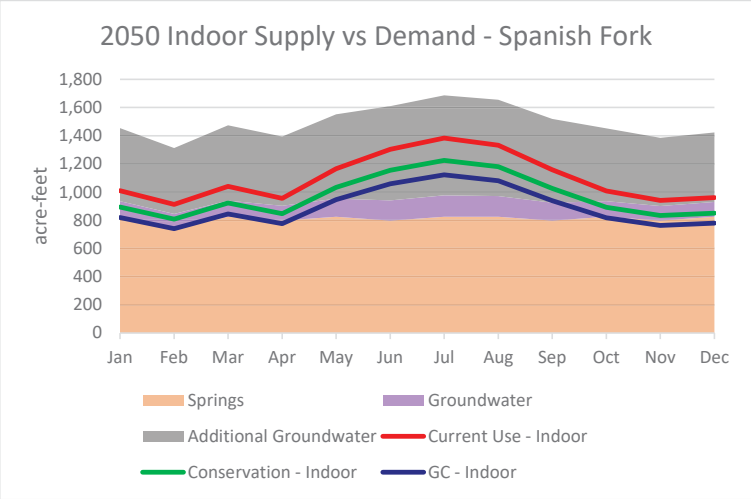

2030 Outdoor Supply vs Demand - Spanish Fork
acre-feet
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

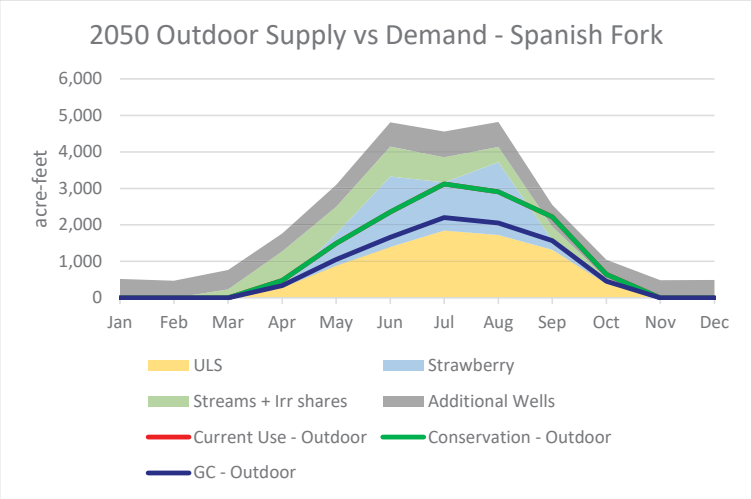

2040 Total Supply vs Demand - Spanish Fork
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

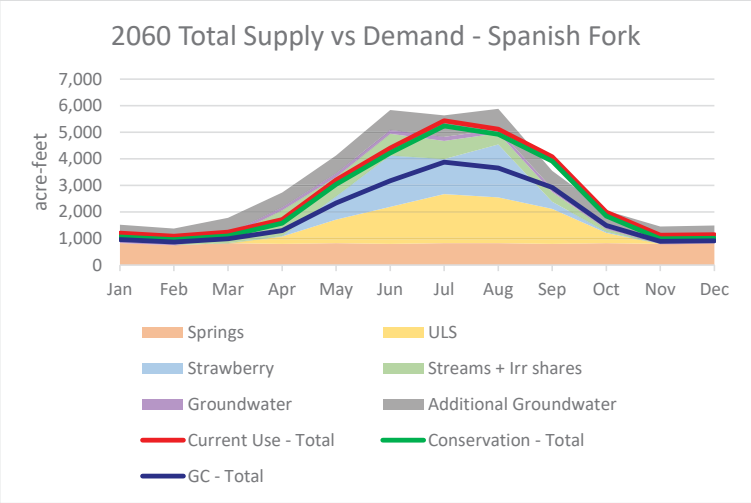

2040 Indoor Supply vs Demand - Spanish Fork
acre-feet
1,600
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

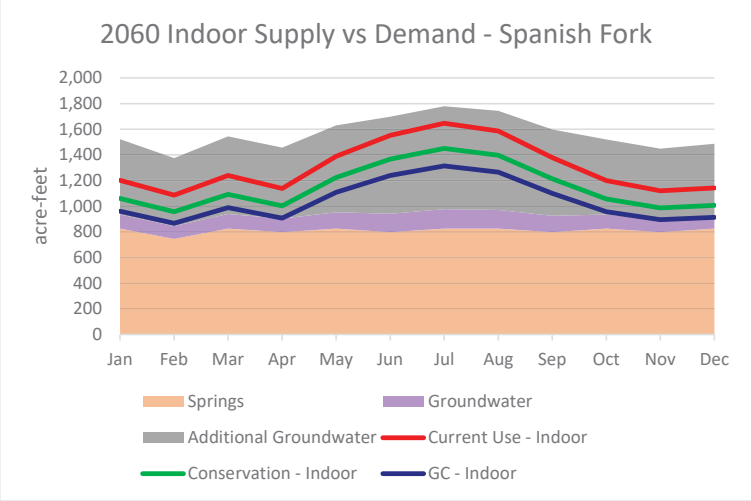

2040 Outdoor Supply vs Demand - Spanish Fork
acre-feet
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

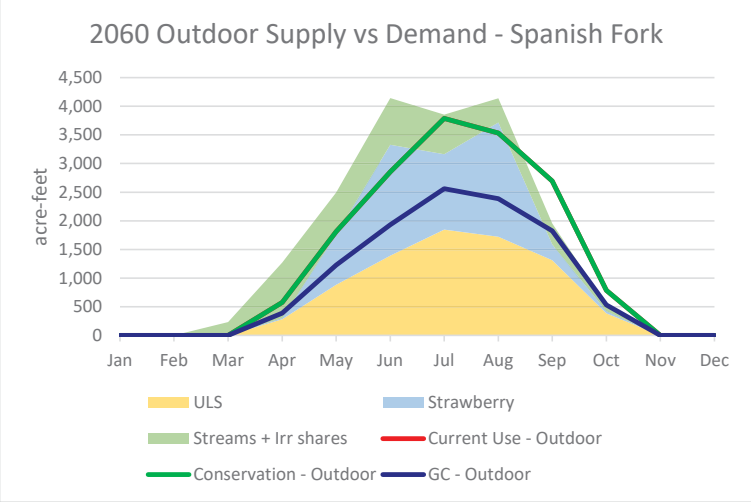

2050 Total Supply vs Demand - Spanish Fork
8,000
6,000
4,000
2,000
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

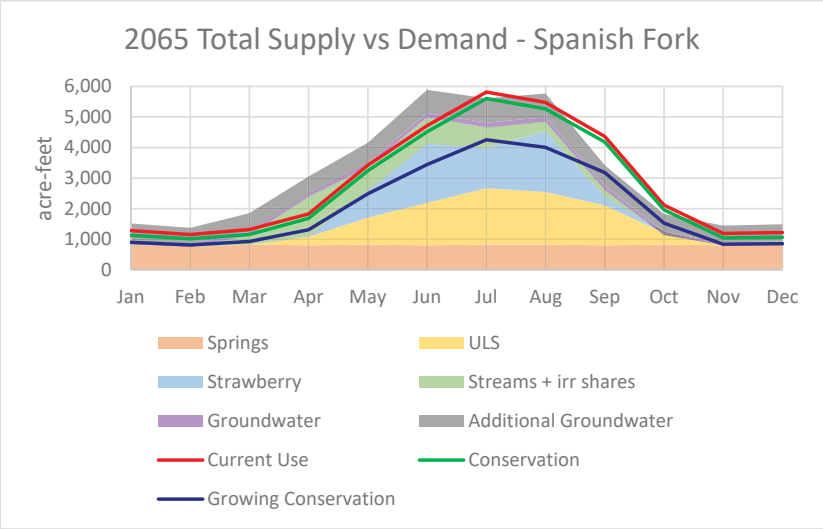

2050 Indoor Supply vs Demand - Spanish Fork
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

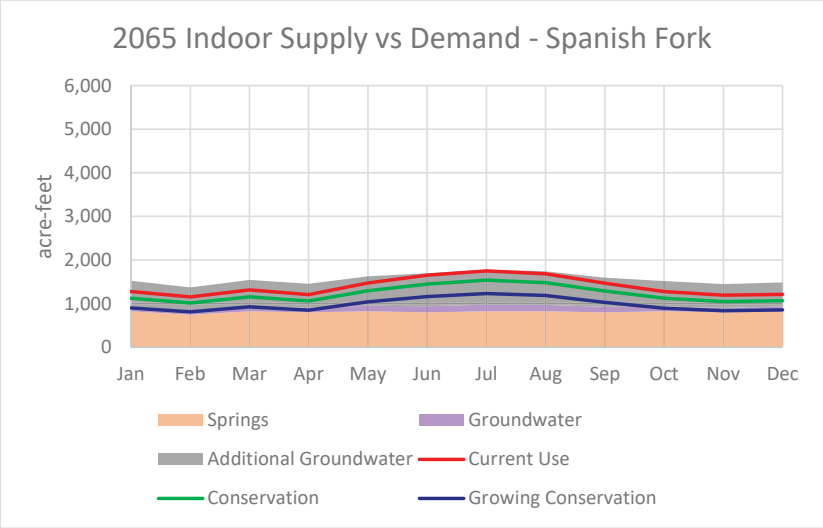

2050 Outdoor Supply vs Demand - Spanish Fork
6,000
5,000
4,000
3,000
2,000
1,000
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Streams + Irr shares
Additional Wells
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

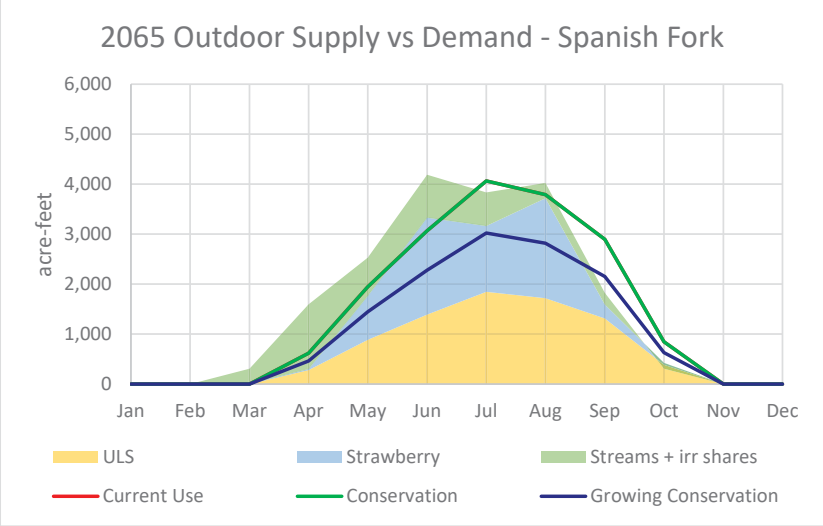

2060 Total Supply vs Demand - Spanish Fork
acre-feet
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Spanish Fork
acre-feet
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

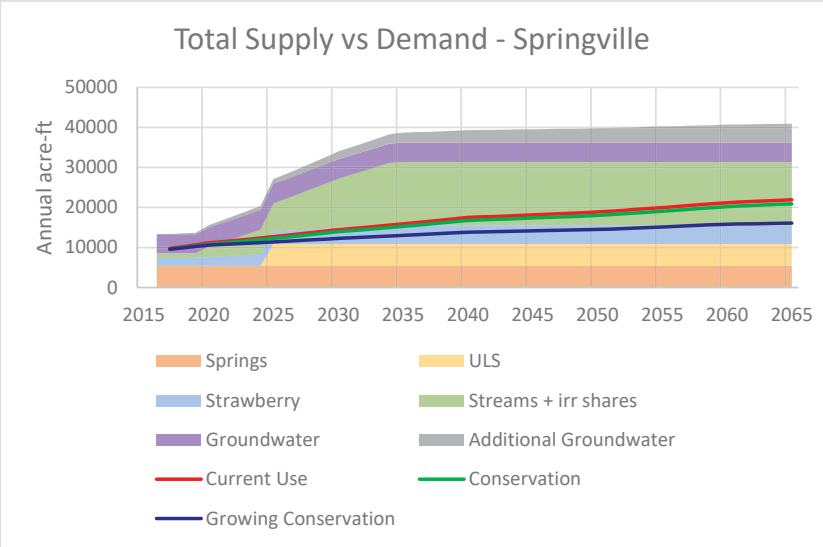

2060 Outdoor Supply vs Demand - Spanish Fork
acre-feet
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

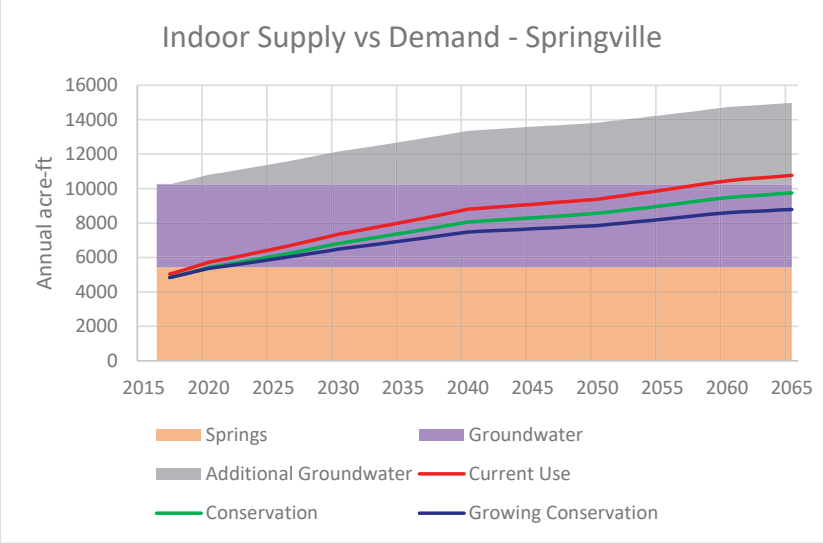

2065 Total Supply vs Demand - Spanish Fork
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

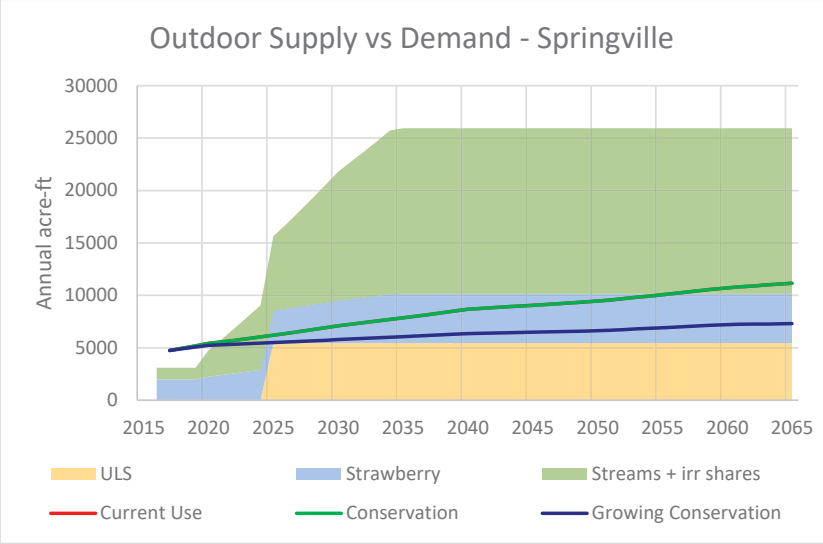

2065 Indoor Supply vs Demand - Spanish Fork
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

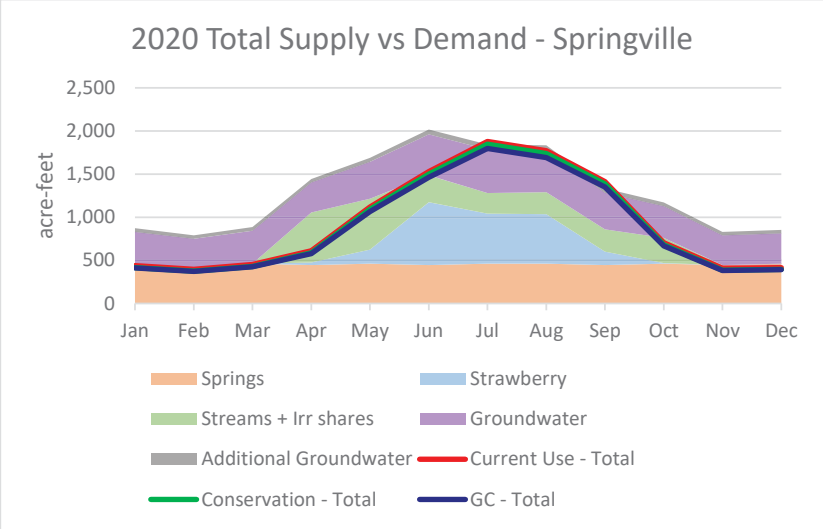

2065 Outdoor Supply vs Demand - Spanish Fork
acre-feet
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

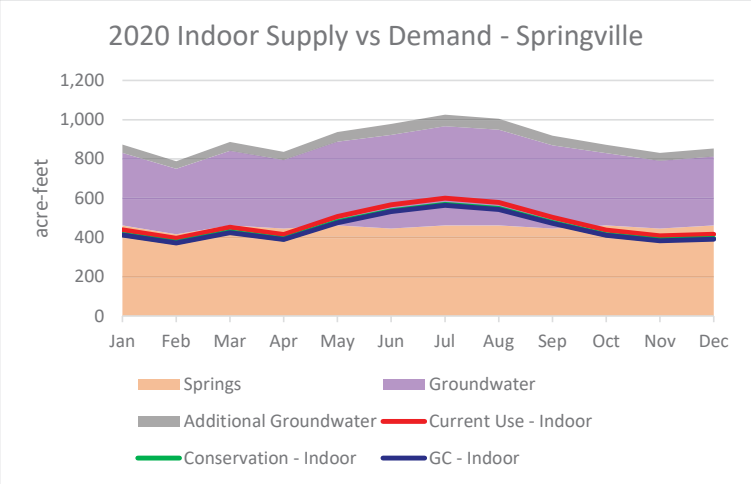
SPRINGVILLE

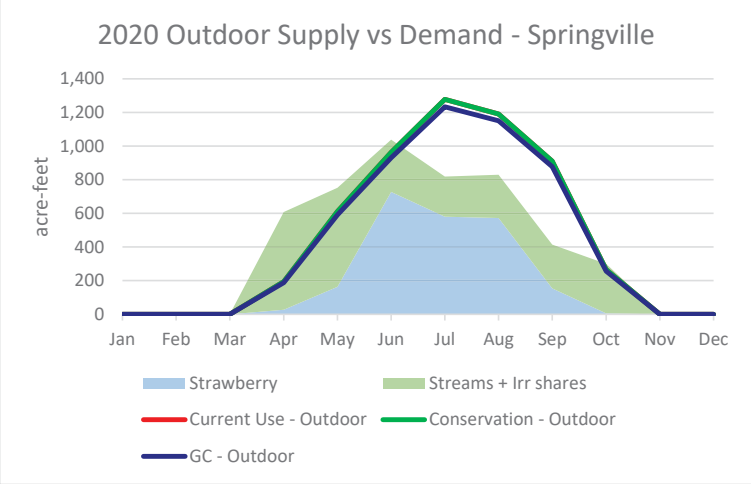

Total Supply vs Demand - Springville
Annual acre-ft
50000
40000
30000
20000
10000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

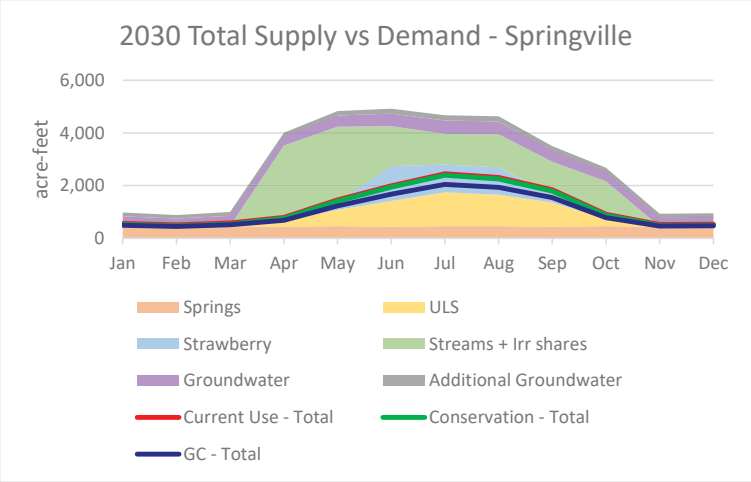

Indoor Supply vs Demand - Springville
Annual acre-ft
16000
14000
12000
10000
8000
6000
4000
2000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

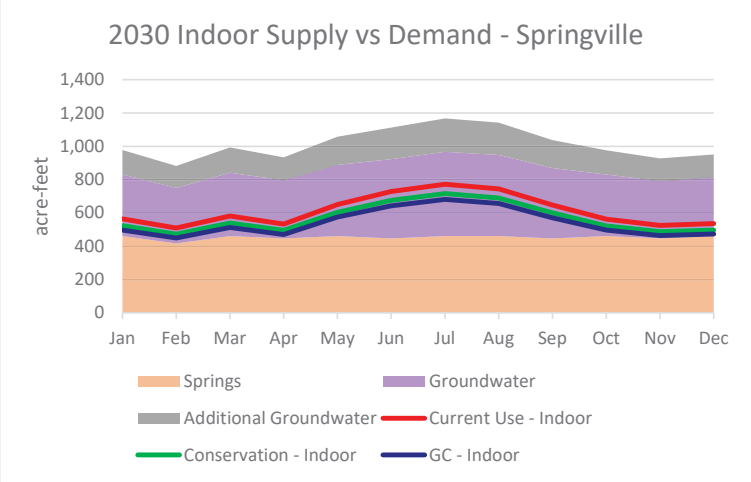

Outdoor Supply vs Demand - Springville
Annual acre-ft
30000
25000
20000
15000
10000
5000
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

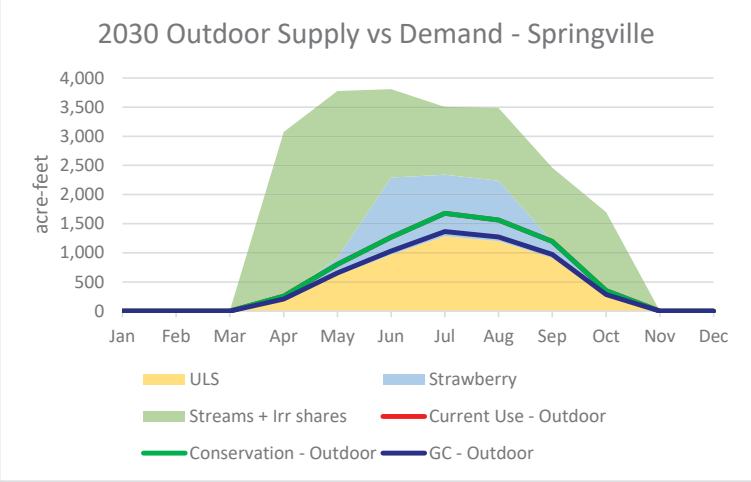

2020 Total Supply vs Demand - Springville
2,500
2,000
1,500
1,000
500
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

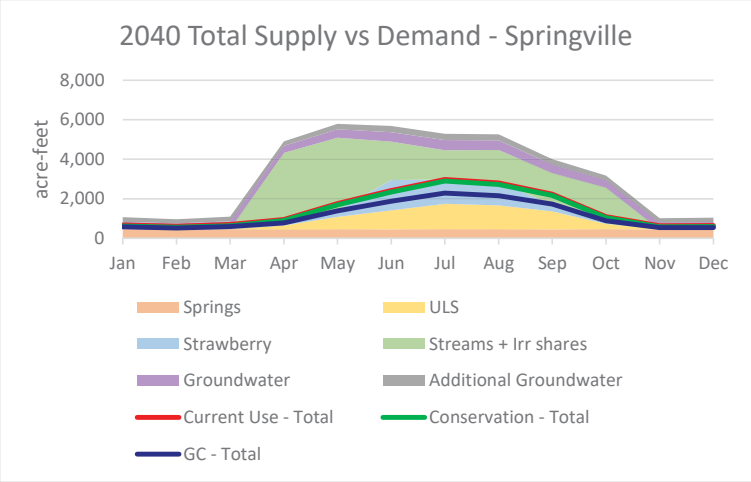

2020 Indoor Supply vs Demand - Springville
1,200
1,000
800
600
400
200
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

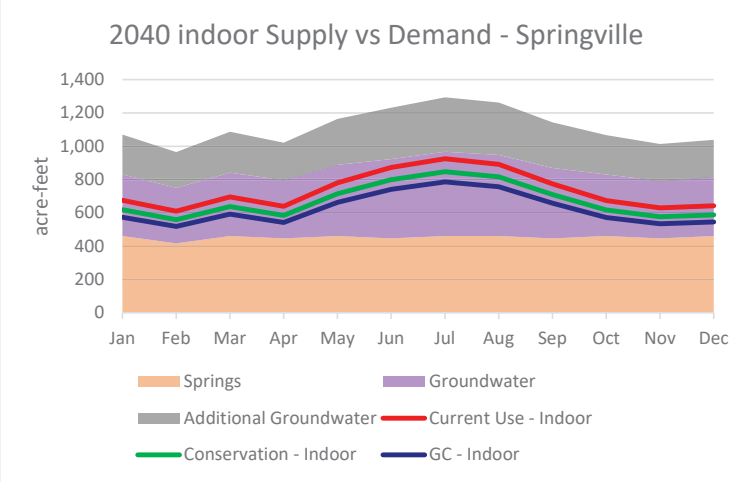

2020 Outdoor Supply vs Demand - Springville
1,400
1,200
1,000
800
600
400
200
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

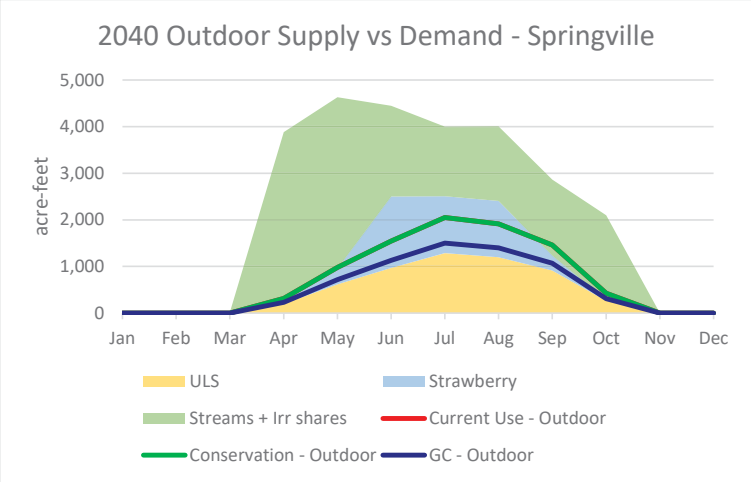

2030 Total Supply vs Demand - Springville
6,000
4,000
2,000
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

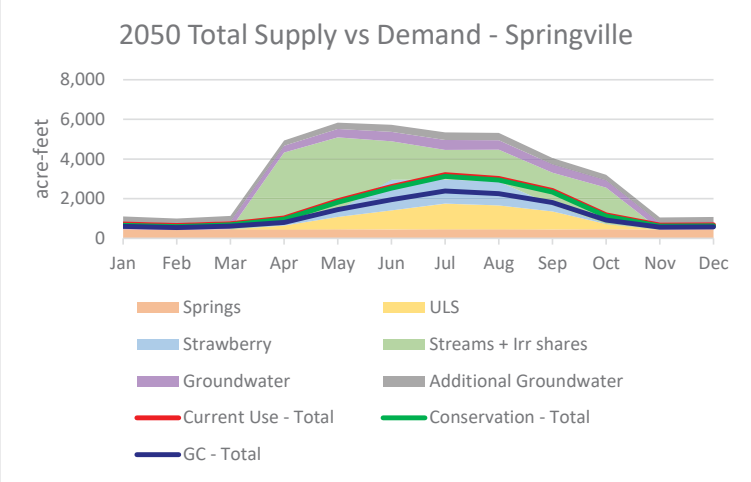

2030 Indoor Supply vs Demand - Springville
1,400
1,200
1,000
800
600
400
200
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

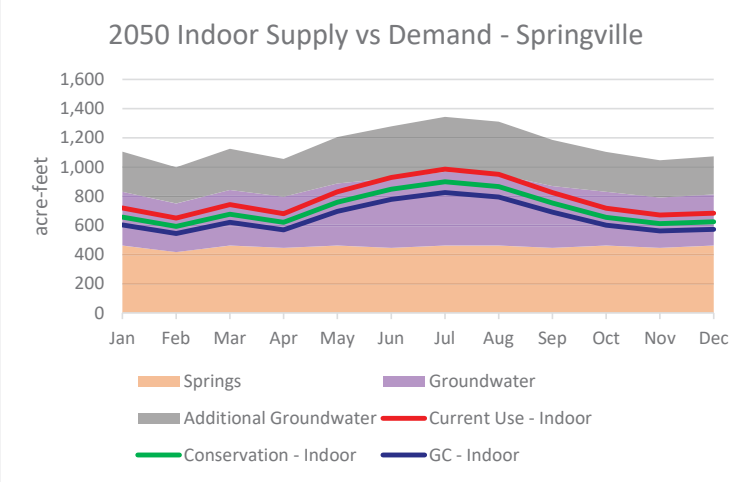

2030 Outdoor Supply vs Demand - Springville
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

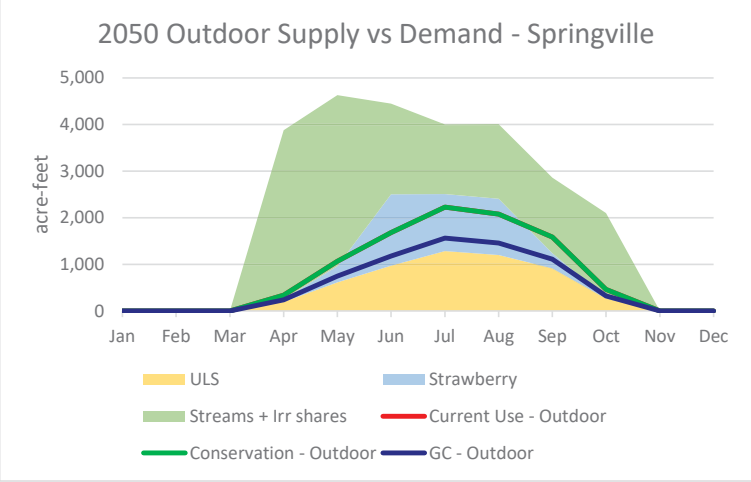

2040 Total Supply vs Demand - Springville
acre-feet
8,000
6,000
4,000
2,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

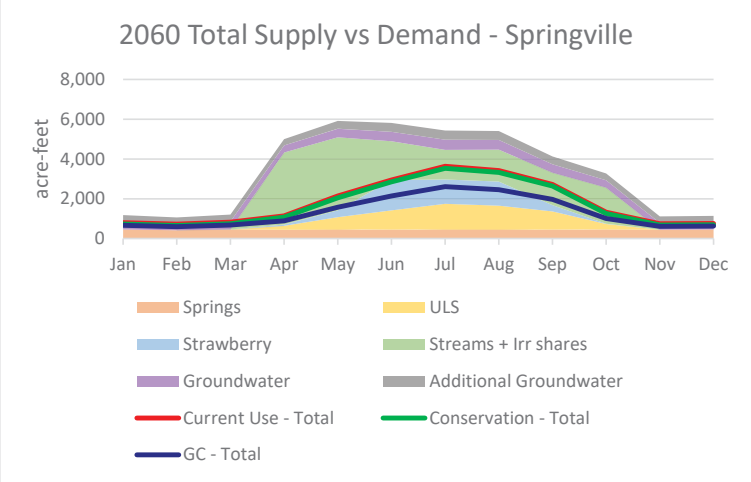

2040 indoor Supply vs Demand - Springville
acre-feet
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

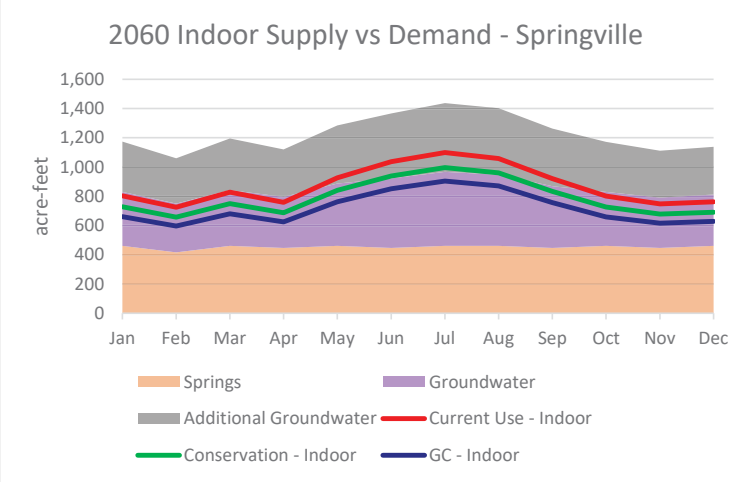

2040 Outdoor Supply vs Demand - Springville
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

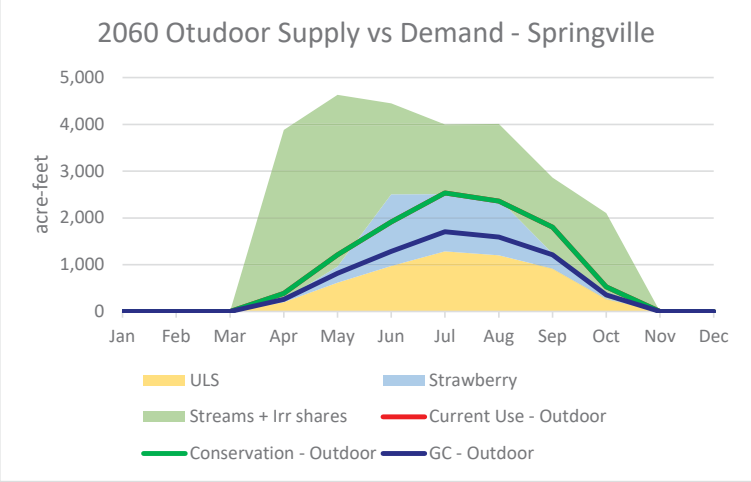

2050 Total Supply vs Demand - Springville
acre-feet
8,000
6,000
4,000
2,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

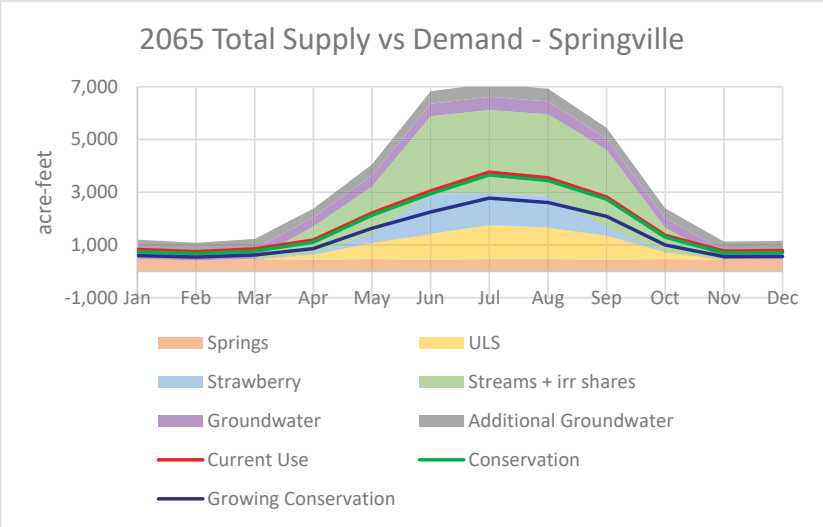

2050 Indoor Supply vs Demand - Springville
acre-feet
1,600
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

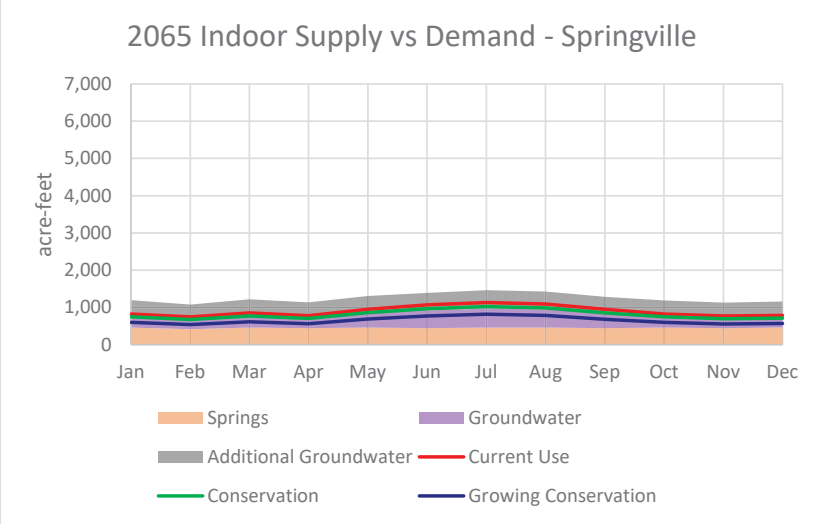

2050 Outdoor Supply vs Demand - Springville
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

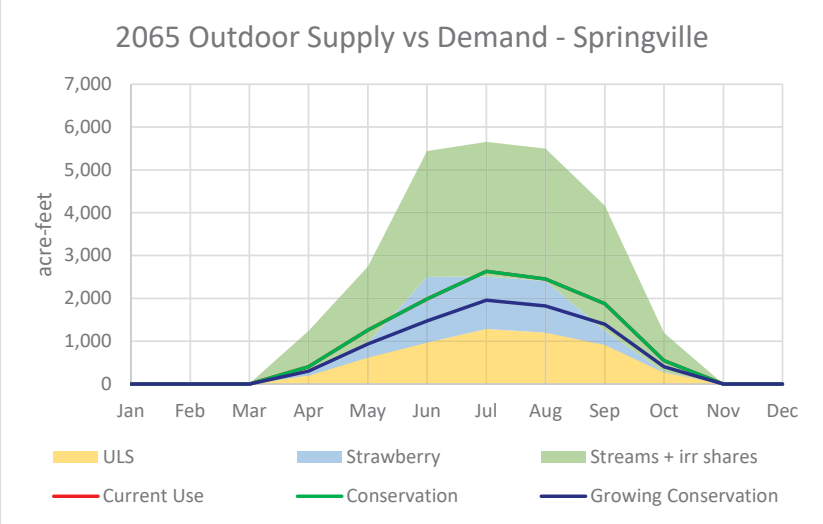

2060 Total Supply vs Demand - Springville
acre-feet
8,000
6,000
4,000
2,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
ULS
Strawberry
Streams + Irr shares
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Springville
acre-feet
1,600
1,400
1,200
1,000
800
600
400
200
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Springs
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

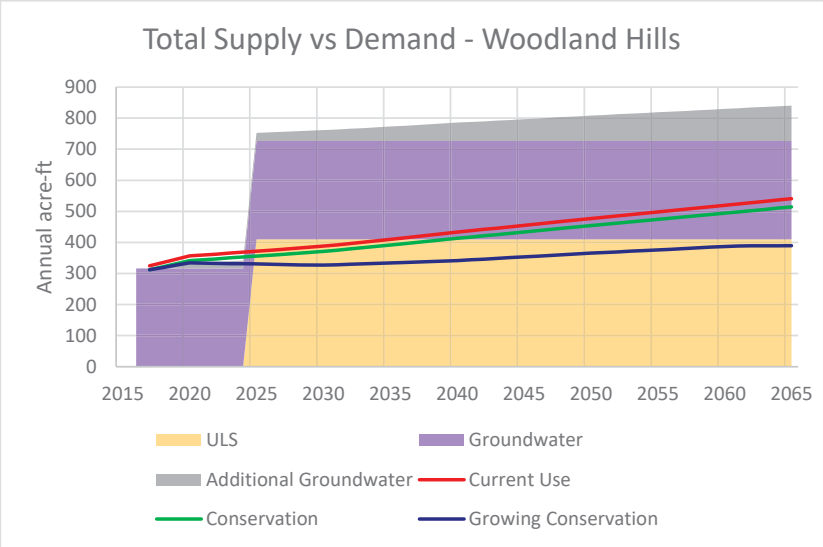

2060 Otudoor Supply vs Demand - Springville
acre-feet
5,000
4,000
3,000
2,000
1,000
0
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
ULS
Strawberry
Streams + Irr shares
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

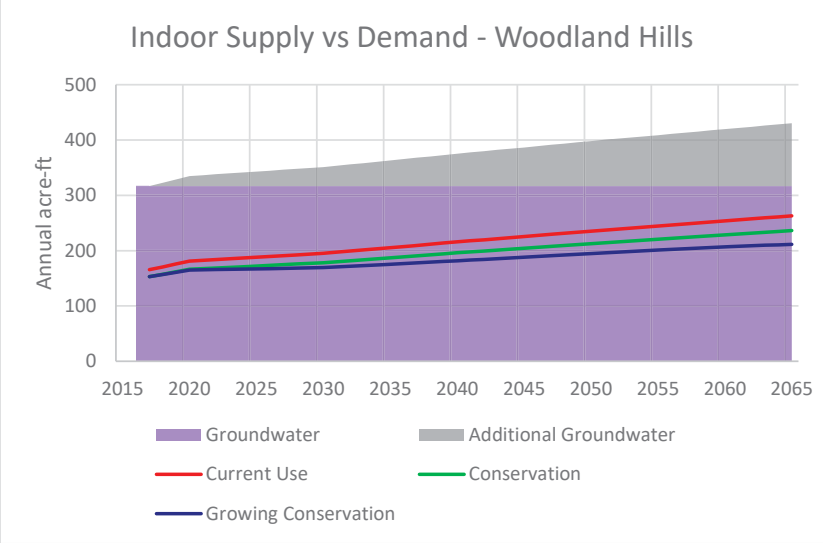

2065 Total Supply vs Demand - Springville
acre-feet
7,000
5,000
3,000
1,000
-1,000
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
ULS
Strawberry
Streams + irr shares
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

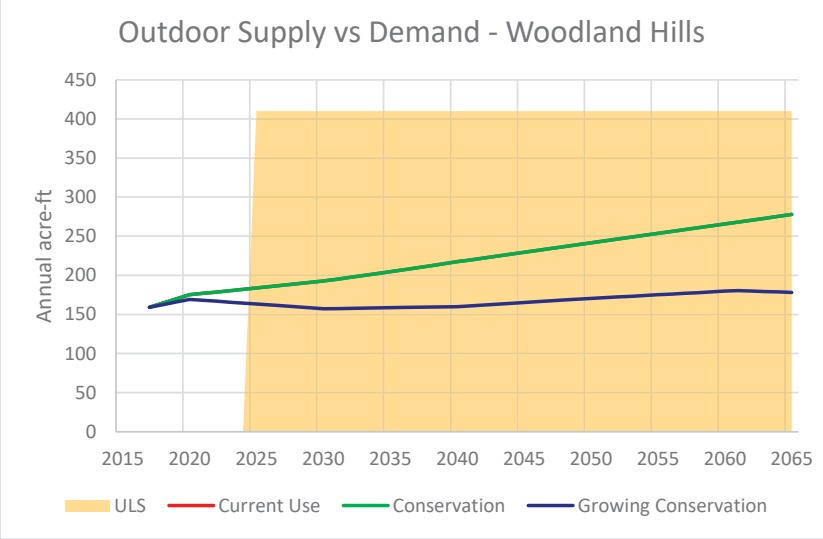

2065 Indoor Supply vs Demand - Springville
acre-feet
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Springs
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

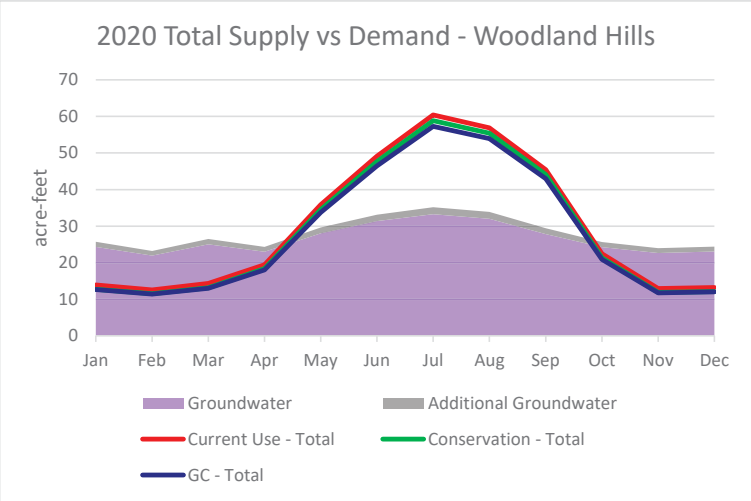

2065 Outdoor Supply vs Demand - Springville
acre-feet
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Strawberry
Streams + irr shares
Current Use
Conservation
Growing Conservation

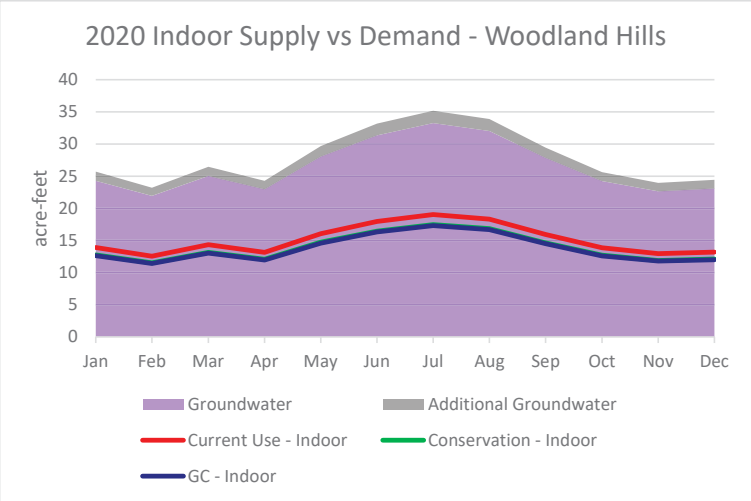
WOODLAND HILLS

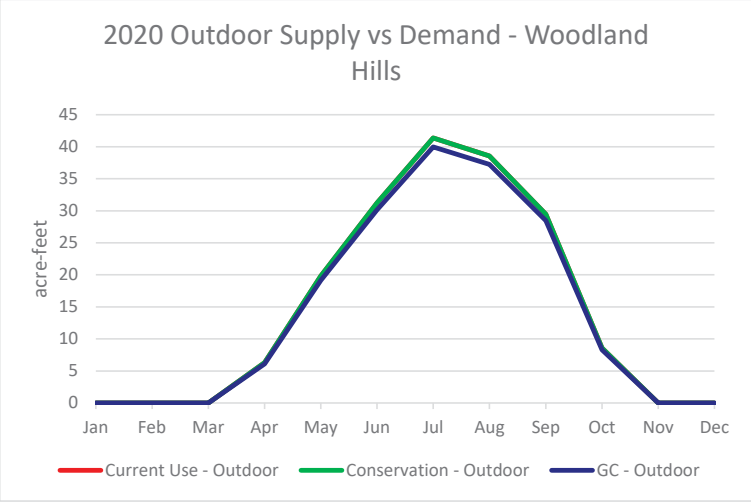

Total Supply vs Demand - Woodland Hills
Annual acre-ft
900
800
700
600
500
400
300
200
100
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

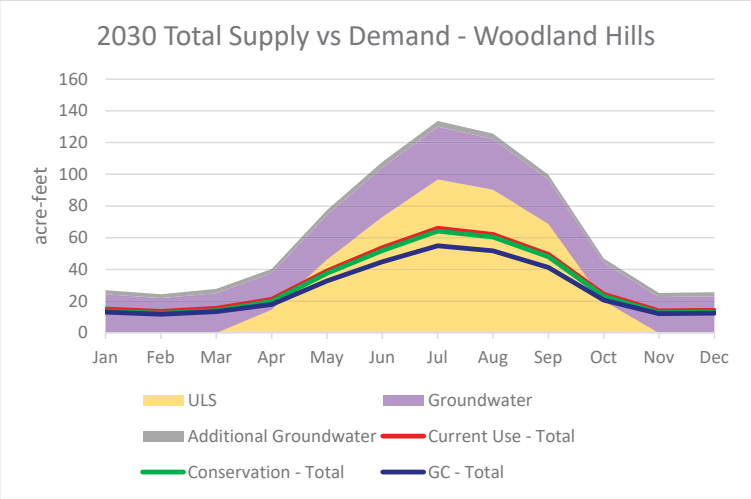

Indoor Supply vs Demand - Woodland Hills
Annual acre-ft
500
400
300
200
100
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation

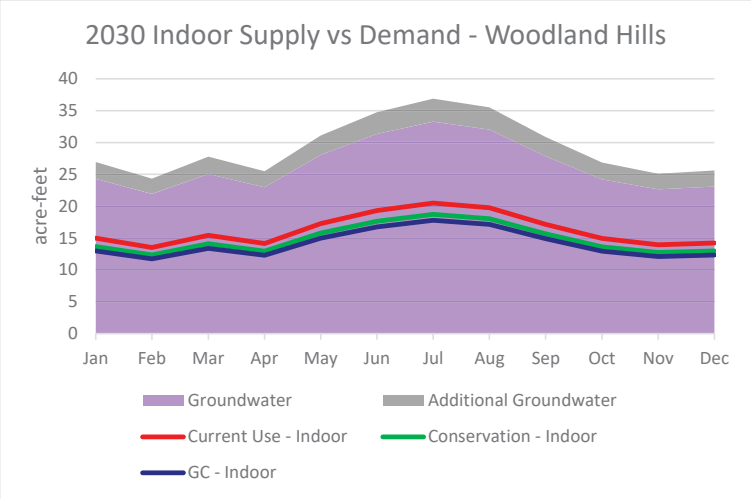

Outdoor Supply vs Demand - Woodland Hills
Annual acre-ft
450
400
350
300
250
200
150
100
50
0
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
2065
ULS
Current Use
Conservation
Growing Conservation

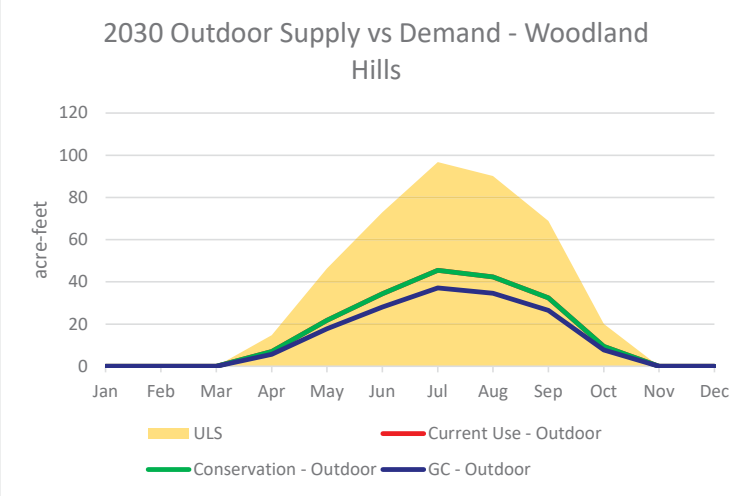

2020 Total Supply vs Demand - Woodland Hills
acre-feet
70
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

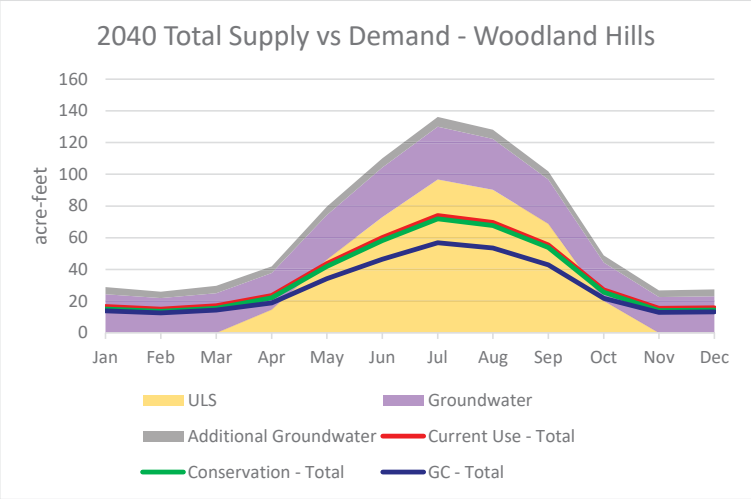

2020 Indoor Supply vs Demand - Woodland Hills
acre-feet
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

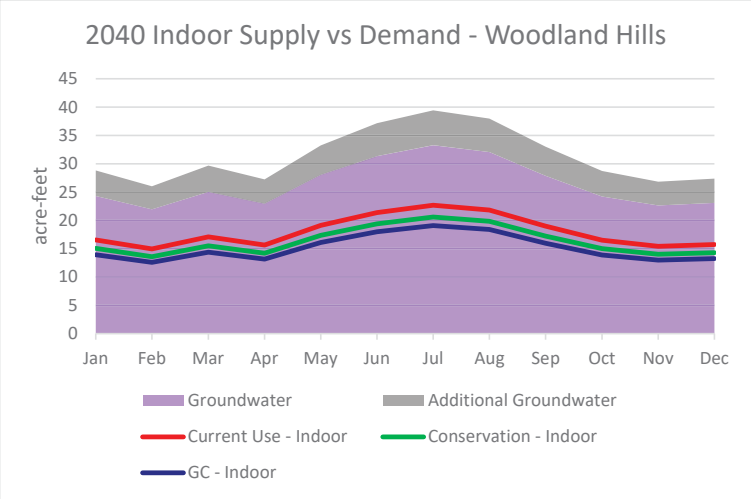

2020 Outdoor Supply vs Demand - Woodland Hills
acre-feet
45
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

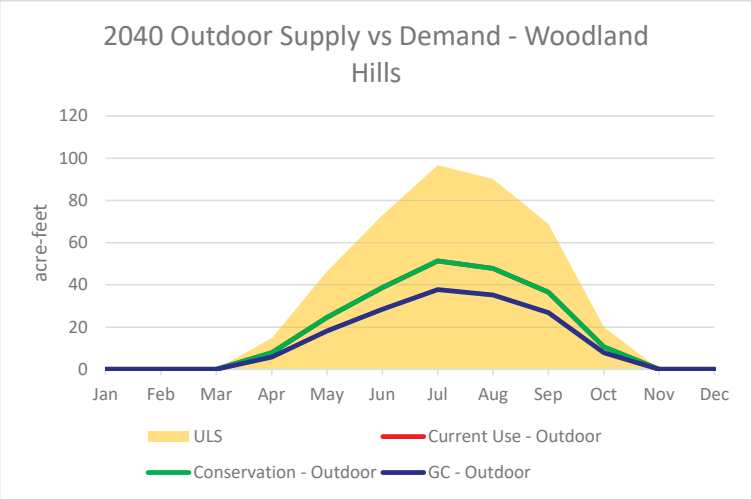

2030 Total Supply vs Demand - Woodland Hills
acre-feet
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

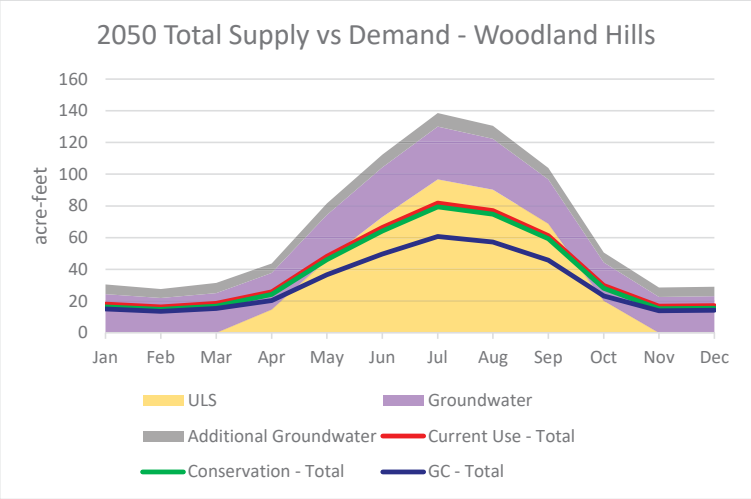

2030 Indoor Supply vs Demand - Woodland Hills
acre-feet
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

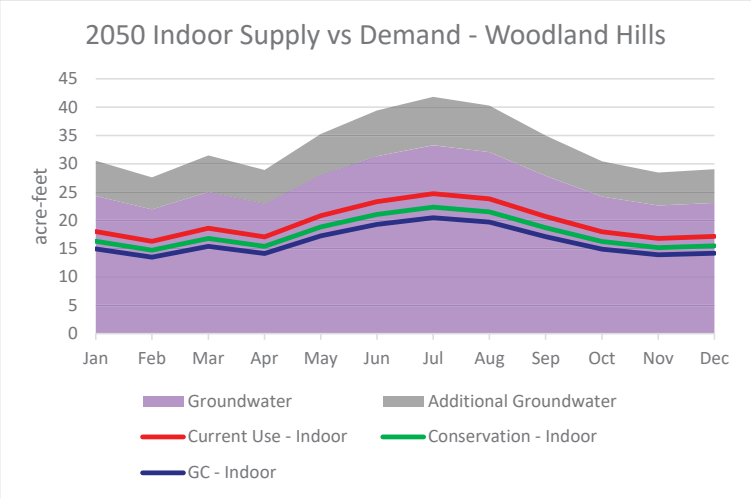

2030 Outdoor Supply vs Demand - Woodland Hills
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

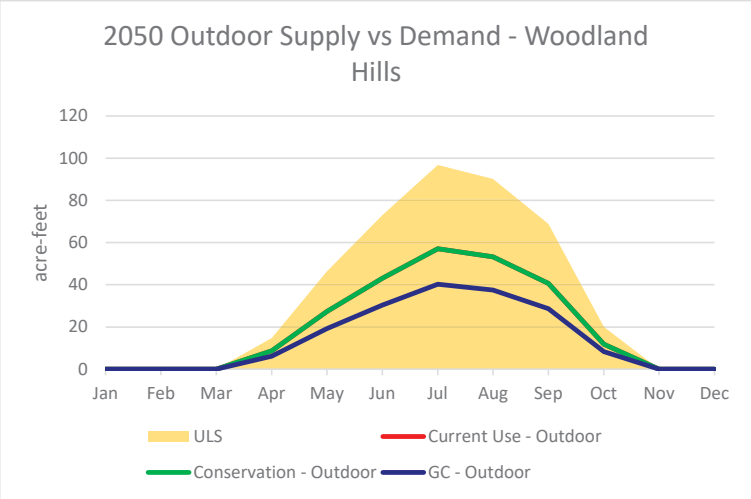

2040 Total Supply vs Demand - Woodland Hills
acre-feet
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

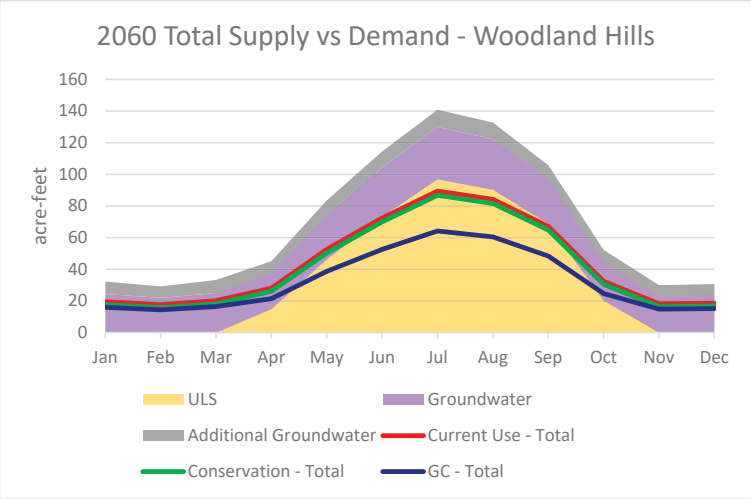

2040 Indoor Supply vs Demand - Woodland Hills
acre-feet
45
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

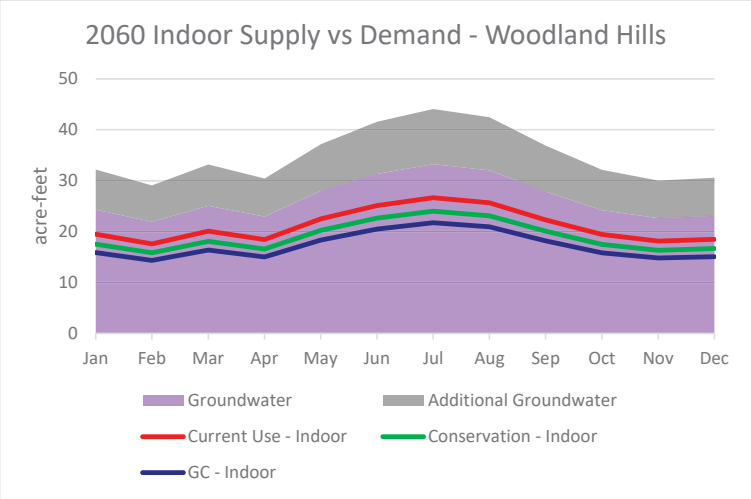

2040 Outdoor Supply vs Demand - Woodland Hills
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

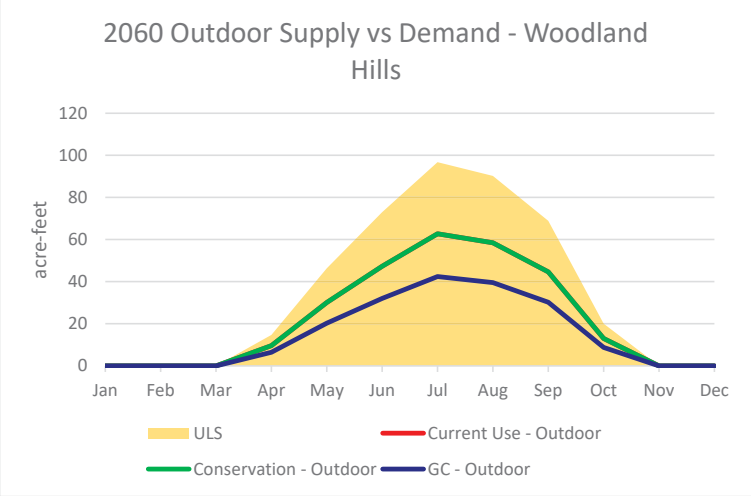

2050 Total Supply vs Demand - Woodland Hills
acre-feet
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total

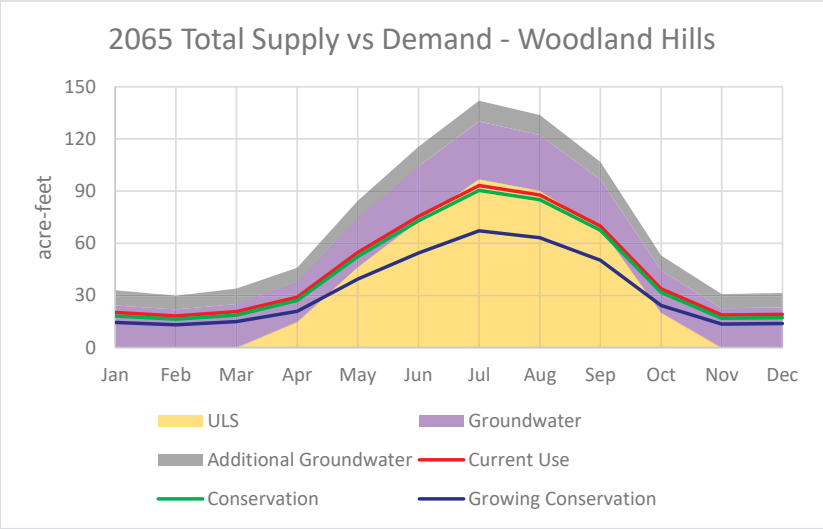

2050 Indoor Supply vs Demand - Woodland Hills
acre-feet
45
40
35
30
25
20
15
10
5
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor

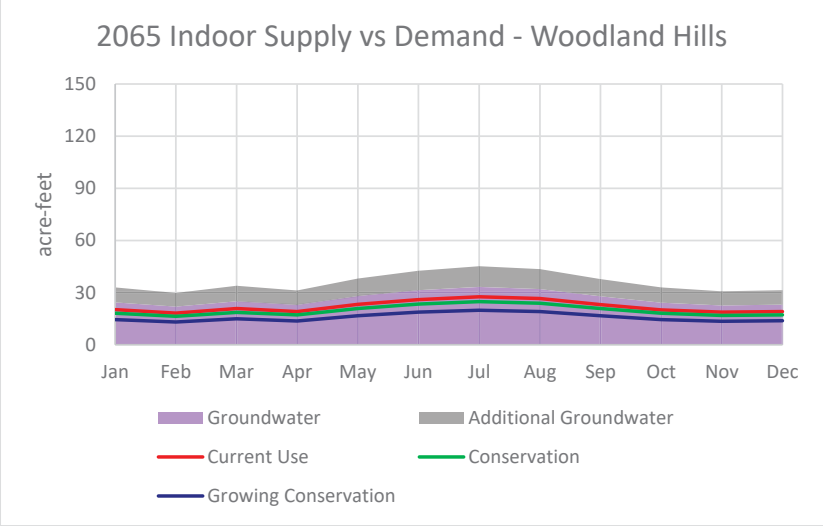

2050 Outdoor Supply vs Demand - Woodland Hills
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor

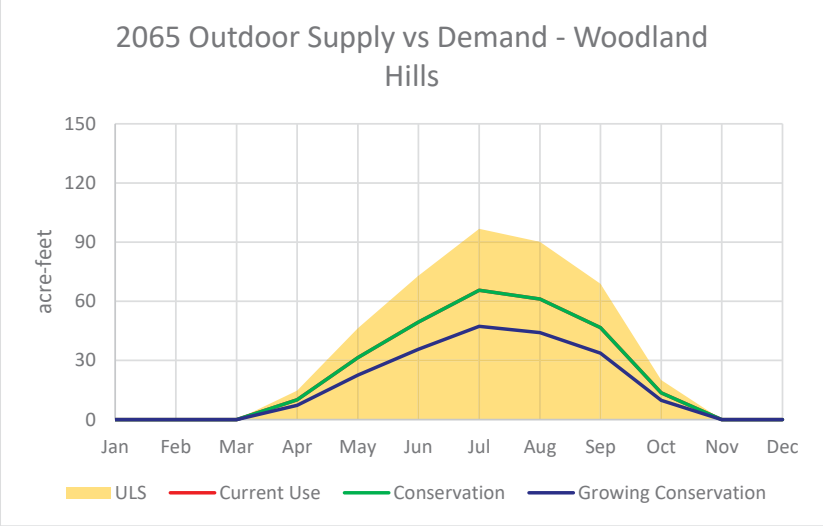

2060 Total Supply vs Demand - Woodland Hills
acre-feet
160
140
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use - Total
Conservation - Total
GC - Total


2060 Indoor Supply vs Demand - Woodland Hills
acre-feet
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use - Indoor
Conservation - Indoor
GC - Indoor


2060 Outdoor Supply vs Demand - Woodland Hills
acre-feet
120
100
80
60
40
20
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use - Outdoor
Conservation - Outdoor
GC - Outdoor


2065 Total Supply vs Demand - Woodland Hills
150
120
90
60
30
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation


2065 Indoor Supply vs Demand - Woodland Hills
150
120
90
60
30
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Groundwater
Additional Groundwater
Current Use
Conservation
Growing Conservation


2065 Outdoor Supply vs Demand - Woodland Hills
150
120
90
60
30
0
acre-feet
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
ULS
Current Use
Conservation
Growing Conservation

JUAB COUNTY AND SOUTH UTAH COUNTY
WATER SUPPLY & INFRASTRUCTURE PLAN FORMULATION PROJECT
TASKS 5 & 6 TECHNICAL REPORT – SOUTH UTAH COUNTY
APRIL 16, 2012

APPENDIX B
ANNUAL WATER DEMAND CALCULATIONS FOR CITIES

APPENDIX C
ANNUAL WATER SUPPLY DATA FOR CITIES

APPENDIX D
MONTHLY WATER SUPPLY TABLES FOR CITIES

APPENDIX B

ANNUAL WATER DEMAND CALCULATIONS FOR CITIES

South Utah County (Benjamin Lakeshore)

Mountainland 2019 Projected Growth		Projections						
South Utah County	2010	2017	2020	2030	2040	2050	2060	2065
Population		8,354	8,576	8,576	8,576	45,000	58,196	74,925
Annual Growth Rate			0.5%	0.0%	0.0%	18.0%	2.6%	5.2%

Growing Conservation

Growing Conservation								
		2017	2020	2030	2040	2050	2060	2065
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

620
168
452

City Data	Indoor/Outdoor Use
	Number of Domestic Connections
2017	3,011

*Number of existing connections was estimated from using the population projection for the bulk of South Utah County and subtracting the Goshen Valley starting population for 2017 (8,354-315).

South Utah County Projected Water Requirements

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water*	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agricultu re Land (acres)	Annual Volume (ac-ft)
2013															
2014															
2015															
2016	8,039													10,610	31,830
2017	8,039	3,011	1,180	1,180	1,180	3,011	1,807	1,807	1,807	2,987	2,987	1.000	2,987	10,610	31,830
2018	8,081	3,027	1,185	1,186	1,180	3,027	1,817	1,820	1,799	3,002	3,006	0.994	2,979	10,603	31,808
2019	8,124	3,043	1,190	1,193	1,181	3,043	1,827	1,833	1,791	3,017	3,026	0.988	2,972	10,596	31,787
2020	8,167	3,059	1,196	1,199	1,182	3,059	1,837	1,847	1,783	3,033	3,046	0.981	2,965	10,588	31,765
2021	8,167	3,059	1,196	1,199	1,176	3,059	1,840	1,850	1,760	3,036	3,049	0.972	2,936	10,588	31,765
2022	8,167	3,059	1,196	1,199	1,170	3,059	1,843	1,854	1,738	3,038	3,053	0.963	2,908	10,588	31,765
2023	8,167	3,059	1,196	1,199	1,163	3,059	1,846	1,858	1,716	3,041	3,057	0.954	2,880	10,588	31,765
2024	8,167	3,059	1,196	1,199	1,157	3,059	1,848	1,862	1,695	3,044	3,061	0.945	2,852	10,588	31,765
2025	8,167	3,059	1,196	1,199	1151	3,059	1,851	1,866	1,673	3,047	3,065	0.936	2,824	10,588	31,765
2026	8,167	3,059	1,196	1,199	1,145	3,059	1,854	1,870	1,652	3,050	3,069	0.927	2,797	10,588	31,765
2027	8,167	3,059	1,196	1,199	1,139	3,059	1,857	1,873	1,631	3,053	3,072	0.919	2,770	10,588	31,765
2028	8,167	3,059	1,196	1,199	1,133	3,059	1,860	1,877	1,610	3,056	3,076	0.910	2,743	10,588	31,765
2029	8,167	3,059	1,196	1,199	1,127	3,059	1,863	1,881	1,589	3,058	3,080	0.901	2,716	10,588	31,765
2030	8,167	3,059	1,196	1,199	1,121	3,059	1,866	1,885	1,569	3,061	3,084	0.893	2,690	10,588	31,765
2031	8,167	3,059	1,196	1,199	1,118	3,059	1,869	1,889	1,557	3,064	3,088	0.888	2,675	10,588	31,765
2032	8,167	3,059	1,196	1,199	1,114	3,059	1,871	1,893	1,546	3,067	3,091	0.884	2,660	10,588	31,765
2033	8,167	3,059	1,196	1,199	1,111	3,059	1,874	1,896	1,534	3,070	3,095	0.879	2,645	10,588	31,765
2034	8,167	3,059	1,196	1,199	1,107	3,059	1,877	1,900	1,523	3,073	3,099	0.874	2,630	10,588	31,765
2035	8,167	3,059	1,196	1,199	1,104	3,059	1,880	1,904	1,512	3,076	3,103	0.869	2,615	10,588	31,765
2036	8,167	3,059	1,196	1,199	1,100	3,059	1,883	1,908	1,500	3,079	3,107	0.865	2,600	10,588	31,765
2037	8,167	3,059	1,196	1,199	1,097	3,059	1,886	1,912	1,489	3,081	3,111	0.860	2,586	10,588	31,765
2038	8,167	3,059	1,196	1,199	1,093	3,059	1,889	1,915	1,478	3,084	3,114	0.856	2,571	10,588	31,765
2039	8,167	3,059	1,196	1,199	1,090	3,059	1,891	1,919	1,467	3,087	3,118	0.851	2,557	10,588	31,765
2040	8,167	3,059	1,196	1,199	1,086	3,059	1,894	1,923	1,456	3,090	3,122	0.847	2,542	10,588	31,765
2041	9,639	3,610	1,381	1,415	1,254	3,610	2,158	2,274	1,650	3,539	3,690	0.845	2,904	10,338	31,014
2042	11,377	4,261	1,600	1,670	1,452	4,261	2,469	2,690	1,878	4,069	4,360	0.844	3,330	10,043	30,128
2043	13,428	5,029	1,858	1,971	1,685	5,029	2,838	3,181	2,147	4,696	5,152	0.842	3,832	9,694	29,082
2044	15,849	5,936	2,163	2,327	1,960	5,936	3,273	3,762	2,464	5,436	6,089	0.841	4,425	9,282	27,847
2045	18,707	7,006	2,522	2,746	2,284	7,006	3,789	4,449	2,838	6,311	7,195	0.840	5,123	8,796	26,389
2046	22,080	8,270	2,947	3,242	2,667	8,270	4,398	5,261	3,279	7,345	8,503	0.838	5,946	8,223	24,669
2047	26,061	9,761	3,448	3,826	3,117	9,761	5,119	6,222	3,798	8,566	10,048	0.837	6,916	7,546	22,639
2048	30,759	11,520	4,039	4,516	3,649	11,520	5,971	7,359	4,410	10,010	11,875	0.835	8,059	6,748	20,243
2049	36,305	13,598	4,737	5,330	4,275	13,598	6,979	8,702	5,131	11,716	14,033	0.834	9,406	5,805	17,414
2050	42,851	16,049	5,561	6,291	5,013	16,049	8,171	10,292	5,981	13,731	16,583	0.833	10,994	4,692	14,076
2051	43,968	16,467	5,701	6,455	5,133	16,467	8,387	10,580	6,115	14,088	17,035	0.831	11,248	4,502	13,506
2052	45,113	16,896	5,845	6,623	5,256	16,896	8,610	10,877	6,253	14,455	17,500	0.830	11,508	4,307	12,922
2053	46,288	17,336	5,993	6,796	5,382	17,336	8,838	11,182	6,393	14,831	17,978	0.828	11,775	4,108	12,323
2054	47,494	17,788	6,145	6,973	5,511	17,788	9,074	11,495	6,537	15,218	18,468	0.827	12,048	3,903	11,708
2055	48,731	18,251	6,300	7,154	5,643	18,251	9,315	11,818	6,685	15,616	18,972	0.826	12,327	3,692	11,077
2056	50,000	18,727	6,460	7,341	5,778	18,727	9,564	12,149	6,836	16,024	19,490	0.824	12,614	3,477	10,430
2057	51,303	19,215	6,624	7,532	5,917	19,215	9,819	12,489	6,990	16,443	20,022	0.823	12,907	3,255	9,766
2058	52,639	19,715	6,792	7,728	6,059	19,715	10,082	12,839	7,149	16,874	20,568	0.821	13,208	3,028	9,084
2059	54,010	20,229	6,965	7,930	6,205	20,229	10,351	13,199	7,311	17,316	21,129	0.820	13,516	2,795	8,385
2060	55,417	20,756	7,142	8,136	6,354	20,756	10,629	13,569	7,478	17,771	21,705	0.819	13,832	2,556	7,667
2061	58,290	21,831	7,503	8,558	6,665	21,831	11,177	14,300	7,825	18,680	22,857	0.817	14,490	2,067	6,202
2062	61,311	22,963	7,884	9,001	6,992	22,963	11,754	15,069	8,189	19,638	24,071	0.815	15,181	1,554	4,661
2063	64,489	24,153	8,283	9,468	7,336	24,153	12,363	15,881	8,571	20,646	25,349	0.813	15,906	1,014	3,041
2064	67,832	25,405	8,704	9,959	7,696	25,405	13,004	16,736	8,972	21,708	26,694	0.811	16,668	445	1,336
2065	71,347	26,722	9,147	10,475	8,075	26,722	13,679	17,636	9,392	22,826	28,111	0.809	17,467	0	0

Elkridge City

Projected Growth*	Census	Projections						
	2010	2017	2020	2030	2040	2050	2060	2065
Population	2,436	3,757	4,055	4,314	5,167	5,780	6,505	6,804
Annual Growth Rate			2.6%	0.6%	1.8%	1.1%	1.2%	0.9%

*Mountainland Population Projections 2019

Growing Conservation

Growing Conservation								
		2017	2020	2030	2040	2050	2060	2065
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor Water/Outdoor Water				
	Number of Domestic Connections*	Residential Use* (acre-feet)	Total Use* (acre-feet)	Total Use with Goosenest	Estimated ERCs**
2017	967	662	731		1,067
2018	1,051	715	927		1,362

*Connections and water use reported by the City to the DWRi

** Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

Elk Ridge Projected Water Requirement

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios			
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)
2016					0					731	731		731
2017	3,757	1,067	359	418	359	967	372	435	372	731	731	1.000	731
2018	3,854	1,095	368	429	367	992	384	447	380	752	876	0.994	747
2019	3,953	1,123	377	440	375	1,017	397	460	388	774	900	0.988	763
2020	4,055	1,152	387	452	384	1,044	410	473	396	797	924	0.981	779
2021	4,080	1,159	389	454	384	1,050	414	477	393	803	931	0.972	777
2022	4,106	1,166	392	457	385	1,057	417	480	390	809	938	0.963	775
2023	4,131	1,174	394	460	386	1,063	421	484	387	816	944	0.954	773
2024	4,157	1,181	397	463	387	1,070	425	488	385	822	951	0.945	771
2025	4,182	1,188	399	466	387	1,077	430	493	382	829	958	0.936	769
2026	4,208	1,196	402	469	388	1,083	434	497	379	835	965	0.927	767
2027	4,235	1,203	404	472	389	1,090	438	501	376	842	972	0.919	765
2028	4,261	1,210	407	474	390	1,097	442	505	374	849	979	0.910	763
2029	4,287	1,218	409	477	390	1,104	446	509	371	855	986	0.901	761
2030	4,314	1,225	412	480	391	1,110	450	513	368	862	994	0.893	759
2031	4,393	1,248	419	489	397	1,131	461	524	373	880	1,013	0.888	770
2032	4,473	1,271	427	498	403	1,151	471	534	377	898	1,032	0.884	781
2033	4,554	1,294	435	507	410	1,172	482	545	382	917	1,052	0.879	792
2034	4,637	1,317	443	516	416	1,193	493	556	387	936	1,072	0.874	803
2035	4,721	1,341	451	526	423	1,215	504	567	392	955	1,093	0.869	814
2036	4,807	1,366	459	535	429	1,237	516	579	397	975	1,114	0.865	826
2037	4,895	1,390	467	545	436	1,260	528	591	402	995	1,136	0.860	838
2038	4,984	1,416	476	555	443	1,283	540	603	407	1,015	1,157	0.856	849
2039	5,075	1,442	484	565	449	1,306	552	615	412	1,036	1,180	0.851	861
2040	5,167	1,468	493	575	456	1,330	564	627	417	1,057	1,203	0.847	873
2041	5,225	1,484	499	582	461	1,345	572	635	421	1,071	1,217	0.845	882
2042	5,284	1,501	504	588	466	1,360	581	644	426	1,085	1,232	0.844	891
2043	5,344	1,518	510	595	470	1,375	589	652	430	1,100	1,248	0.842	901
2044	5,404	1,535	516	602	475	1,391	598	661	435	1,114	1,263	0.841	910
2045	5,465	1,552	522	609	480	1,407	607	670	440	1,129	1,278	0.840	919
2046	5,527	1,570	527	615	485	1,422	616	679	444	1,143	1,294	0.838	929
2047	5,589	1,588	533	622	489	1,438	625	688	449	1,158	1,310	0.837	938
2048	5,652	1,606	539	629	494	1,455	634	697	454	1,173	1,326	0.835	948
2049	5,716	1,624	546	636	499	1,471	643	706	458	1,189	1,343	0.834	958
2050	5,780	1,642	552	644	504	1,488	652	715	463	1,204	1,359	0.833	968
2051	5,849	1,661	558	651	510	1,504	662	725	468	1,220	1,376	0.831	978
2052	5,918	1,681	565	659	515	1,521	672	735	473	1,236	1,394	0.830	988
2053	5,989	1,701	572	667	521	1,539	681	744	478	1,253	1,411	0.828	998
2054	6,060	1,721	578	675	526	1,556	691	754	483	1,270	1,429	0.827	1,009
2055	6,132	1,742	585	683	532	1,573	701	764	488	1,286	1,447	0.826	1,020
2056	6,205	1,763	592	691	538	1,591	711	774	493	1,303	1,465	0.824	1,030
2057	6,278	1,784	599	699	543	1,609	721	784	498	1,321	1,484	0.823	1,041
2058	6,353	1,805	606	707	549	1,627	732	795	503	1,338	1,502	0.821	1,052
2059	6,429	1,826	614	716	555	1,646	742	805	508	1,356	1,521	0.820	1,063
2060	6,505	1,848	621	724	561	1,664	753	816	513	1,374	1,540	0.819	1,074
2061	6,582	1,870	628	733	567	1,683	764	827	518	1,392	1,560	0.817	1,085
2062	6,661	1,892	636	742	573	1,702	775	838	522	1,410	1,579	0.815	1,095
2063	6,740	1,915	643	751	579	1,721	786	849	527	1,429	1,599	0.813	1,106
2064	6,820	1,937	651	759	585	1,741	797	860	532	1,448	1,619	0.811	1,117
2065	6,901	1,960	659	768	591	1,760	808	871	537	1,467	1,640	0.809	1,128

Genola Town

Population Projections

Projected Growth	Census	Projections								
Genola	2010	2017	2020		2030	2040	2050		2060	2065
Population	1,370	1,520	1,512		1,486	1,578	2,696		3,107	3,598
Growth Rate			-0.2%		-0.2%	0.6%	5.5%		1.4%	3.0%

Growing Conservation

Growing Conservation										
		2017	2020		2030	2040	2050		2060	2065
Baseline		215	211		192	182	179		176	174
Baseline Conservation		1	98.1%		89.3%	84.7%	83.3%		81.9%	80.9%
Baseline Conservation Rate			-0.62%		-0.94%	-0.53%	-0.17%		-0.17%	-0.23%

City Data	Indoor Water/Outdoor Water				
	Number of Domestic Connections*	Residential Use* (acre-feet)	Total Use*^ (acre-feet)		Estimated ERCs**
2016	395	172	238		546
2017	400	187	225		481
2018	416	197	239		503

*Connections and water use reported by the City to the DWRi

**Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

^Assume Strawberry Highline Canal provides outdoor water for 3/4 of ERCs for an annual outdoor use in 2017 of 216 acre-feet (481ERC*.75*0.6 acre-feet/ERC) and 226 acre-feet in 2018.

Genola Projected Water Requirement

Year	Population Projection (Mountainland 2019)	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Acres	Annual Volume (acre-feet)
2016	1,520													4,266	12,798
2017	1,520	481	162	189	162	481	280	289	280	441	441	1.000	441	4,266	12,798
2018	1,517	481	161	188	161	481	280	289	277	441	477	0.994	438	4,267	12,800
2019	1,515	480	161	188	160	480	280	289	274	441	477	0.988	434	4,267	12,801
2020	1,512	479	161	188	159	479	280	289	272	441	477	0.981	431	4,268	12,803
2021	1,509	478	161	187	158	478	280	289	268	440	477	0.972	426	4,268	12,805
2022	1,507	477	160	187	157	477	280	289	265	440	476	0.963	421	4,269	12,806
2023	1,504	476	160	187	155	476	280	289	261	440	476	0.954	417	4,269	12,808
2024	1,502	476	160	186	154	476	280	289	258	440	476	0.945	412	4,270	12,810
2025	1,499	475	159	186	153	475	280	290	254	440	476	0.936	407	4,270	12,811
2026	1,496	474	159	186	152	474	280	290	251	439	475	0.927	403	4,271	12,813
2027	1,494	473	159	185	151	473	280	290	248	439	475	0.919	398	4,271	12,814
2028	1,491	472	159	185	150	472	280	290	244	439	475	0.910	394	4,272	12,816
2029	1,489	471	158	185	149	471	280	290	241	439	475	0.901	389	4,273	12,818
2030	1,486	471	158	184	147	471	280	290	238	439	474	0.893	385	4,273	12,819
2031	1,495	473	159	186	148	473	282	292	237	441	478	0.888	385	4,271	12,814
2032	1,504	476	160	187	148	476	284	295	237	444	481	0.884	385	4,269	12,808
2033	1,513	479	161	188	149	479	286	297	236	447	485	0.879	385	4,267	12,802
2034	1,522	482	162	189	149	482	288	299	235	450	488	0.874	384	4,266	12,797
2035	1,531	485	163	190	149	485	289	302	235	452	492	0.869	384	4,264	12,791
2036	1,541	488	164	191	150	488	291	304	234	455	496	0.865	384	4,262	12,785
2037	1,550	491	165	192	150	491	293	307	234	458	499	0.860	384	4,260	12,779
2038	1,559	494	166	194	150	494	295	309	233	461	503	0.856	384	4,258	12,773
2039	1,569	497	167	195	151	497	297	312	233	464	506	0.851	384	4,256	12,768
2040	1,578	500	168	196	151	500	299	314	232	467	510	0.847	383	4,254	12,762
2041	1,665	527	177	207	159	527	312	332	241	489	539	0.845	401	4,236	12,707
2042	1,756	556	187	218	168	556	326	351	251	513	569	0.844	419	4,217	12,650
2043	1,853	587	197	230	177	587	341	371	262	539	601	0.842	439	4,196	12,589
2044	1,955	619	208	243	187	619	357	392	273	565	635	0.841	459	4,175	12,525
2045	2,063	653	219	256	197	653	374	415	284	594	671	0.840	481	4,153	12,458
2046	2,176	689	232	270	208	689	392	438	296	623	709	0.838	504	4,129	12,387
2047	2,296	727	244	285	219	727	411	463	309	655	748	0.837	528	4,104	12,312
2048	2,422	767	258	301	231	767	430	490	322	688	791	0.835	553	4,077	12,232
2049	2,555	809	272	317	243	809	451	518	337	723	835	0.834	580	4,050	12,149
2050	2,696	854	287	335	256	854	474	547	351	760	882	0.833	608	4,020	12,061
2051	2,735	866	291	339	260	866	480	556	355	771	896	0.831	615	4,012	12,036
2052	2,774	878	295	344	263	878	487	565	359	782	910	0.830	622	4,004	12,012
2053	2,813	891	299	349	266	891	494	575	362	793	924	0.828	629	3,996	11,987
2054	2,853	904	304	354	270	904	501	584	366	805	938	0.827	636	3,987	11,962
2055	2,894	917	308	359	273	917	508	593	370	816	953	0.826	643	3,979	11,936
2056	2,936	930	312	364	277	930	515	603	373	828	968	0.824	650	3,970	11,910
2057	2,978	943	317	370	280	943	523	613	377	839	983	0.823	658	3,961	11,884
2058	3,020	956	321	375	284	956	530	623	381	851	998	0.821	665	3,952	11,857
2059	3,063	970	326	380	288	970	538	633	385	864	1,013	0.820	673	3,943	11,830
2060	3,107	984	331	386	291	984	545	643	389	876	1,029	0.819	680	3,934	11,803
2061	3,200	1,013	340	397	300	1,013	561	664	398	901	1,061	0.817	698	3,915	11,745
2062	3,295	1,043	351	409	308	1,043	577	685	407	927	1,094	0.815	715	3,895	11,685
2063	3,393	1,074	361	421	317	1,074	593	706	416	954	1,128	0.813	733	3,875	11,624
2064	3,494	1,106	372	434	326	1,106	610	729	426	981	1,163	0.811	752	3,853	11,560
2065	3,598	1,139	383	447	335	1,139	627	752	436	1,010	1,199	0.809	771	3,832	11,495

Goshen Town

Projected Growth	Census	Projections						
Goshen Town	**2010**	**2017**	**2020**	**2030**	**2040**	**2050**	**2060**	**2065**
Population	921	952	1,009	1,185	1,671	2,095	2,542	2,749
Annual Growth Rate			2.0%	1.6%	3.5%	2.3%	2.0%	1.6%

Growing Conservation

Growing Conservation								
		2017	**2020**	**2030**	**2040**	**2050**	**2060**	**2065**
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	**Indoor Use**				
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)		Estimated ERCs*
2016	367	202	244		443
2017	365	205	244		434
2018	367	210	258		451

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

The City doesn't have a secondary pressurized irrigation system but some outdoor use is provided by Goshen Irrigation and Canal Company. Assume

Assume in 2017 and 2018, 160 ac-ft of outdoor use from irrigation shares

Goshen Town Projected Water Requirements

Year	Population Projection (Mountainland 2019)	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Acres	Annual Volume (acre-feet)
2016	952	443				354								2,339	7,017
2017	952	434	161	170	161	347	163	163	163	324.31	324	1.000	324	2,339	7,017
2018	971	443	164	174	163	354	167	167	165	330.56	340	0.994	328	2,335	7,004
2019	990	452	167	177	166	361	170	170	166	336.94	347	0.988	332	2,330	6,990
2020	1,009	460	170	180	168	368	174	174	168	343.45	355	0.981	336	2,325	6,976
2021	1,025	468	172	183	170	374	177	177	168	349.01	361	0.972	338	2,321	6,964
2022	1,042	475	175	186	172	380	180	181	168	354.67	367	0.963	340	2,317	6,952
2023	1,059	483	177	189	174	386	183	184	168	360.42	373	0.954	342	2,313	6,940
2024	1,076	491	180	192	175	393	186	187	168	366.28	380	0.945	344	2,309	6,927
2025	1,093	499	183	196	177	399	190	191	168	372.23	386	0.936	346	2,305	6,915
2026	1,111	507	185	199	179	406	193	194	168	378.29	393	0.927	348	2,301	6,902
2027	1,129	515	188	202	181	412	196	198	168	384.45	400	0.919	349	2,296	6,889
2028	1,148	524	191	205	183	419	200	201	168	390.72	407	0.910	351	2,292	6,876
2029	1,166	532	194	209	185	426	203	205	168	397.09	414	0.901	354	2,287	6,862
2030	1,185	541	197	212	187	433	207	209	168	403.58	421	0.893	356	2,283	6,849
2031	1,226	560	203	219	193	448	214	217	173	417.34	436	0.888	365	2,273	6,819
2032	1,269	579	210	227	198	463	222	225	177	431.60	452	0.884	375	2,263	6,788
2033	1,314	599	216	235	204	480	230	233	181	446.37	468	0.879	386	2,252	6,756
2034	1,360	620	223	243	210	496	238	242	186	461.67	485	0.874	396	2,241	6,722
2035	1,407	642	231	252	217	514	247	250	191	477.52	502	0.869	407	2,229	6,688
2036	1,456	664	238	260	223	532	256	260	196	493.95	520	0.865	419	2,217	6,652
2037	1,507	688	246	270	230	550	265	269	200	510.97	539	0.860	430	2,205	6,616
2038	1,560	712	254	279	237	569	274	279	206	528.60	558	0.856	442	2,193	6,578
2039	1,615	737	263	289	244	589	284	290	211	546.87	578	0.851	455	2,179	6,538
2040	1,671	762	271	299	252	610	295	300	216	565.79	599	0.847	468	2,166	6,497
2041	1,709	780	277	306	257	624	302	308	220	578.81	614	0.845	477	2,157	6,470
2042	1,748	798	283	313	262	638	309	316	225	592.14	628	0.844	487	2,147	6,441
2043	1,788	816	289	320	267	653	317	323	229	605.80	643	0.842	497	2,138	6,413
2044	1,829	835	295	327	273	668	324	331	234	619.77	659	0.841	507	2,128	6,383
2045	1,871	854	302	335	278	683	332	340	239	634.08	674	0.840	517	2,118	6,353
2046	1,914	873	308	342	284	699	340	348	243	648.74	690	0.838	527	2,107	6,322
2047	1,958	893	315	350	290	715	349	357	248	663.74	707	0.837	538	2,097	6,290
2048	2,002	914	322	358	296	731	357	366	253	679.10	724	0.835	549	2,086	6,258
2049	2,048	934	329	366	302	748	366	375	258	694.83	741	0.834	560	2,075	6,225
2050	2,095	956	336	375	308	765	375	384	263	710.94	759	0.833	572	2,064	6,191
2051	2,136	971	341	381	313	777	381	391	267	722.54	772	0.831	580	2,056	6,167
2052	2,178	986	346	387	317	789	388	398	270	734.33	784	0.830	587	2,048	6,143
2053	2,220	1,002	352	393	321	801	395	405	274	746.33	798	0.828	595	2,039	6,118
2054	2,264	1,018	357	399	326	814	402	412	278	758.52	811	0.827	603	2,031	6,093
2055	2,308	1,034	362	405	330	827	409	419	281	770.92	825	0.826	612	2,023	6,068
2056	2,353	1,050	368	412	335	840	416	427	285	783.52	838	0.824	620	2,014	6,042
2057	2,399	1,067	373	418	340	853	423	434	289	796.34	853	0.823	628	2,005	6,016
2058	2,446	1,083	379	425	345	867	430	442	292	809.37	867	0.821	637	1,996	5,989
2059	2,493	1,101	385	431	349	880	438	450	296	822.62	881	0.820	646	1,987	5,962
2060	2,542	1,118	391	438	354	894	445	458	300	836.10	896	0.819	654	1,978	5,934
2061	2,582	1,136	397	445	359	908	453	466	304	849.79	911	0.817	663	1,969	5,906
2062	2,623	1,153	403	452	364	923	461	474	307	863.72	926	0.815	672	1,959	5,878
2063	2,664	1,172	409	459	369	937	469	483	311	877.88	942	0.813	680	1,950	5,849
2064	2,706	1,190	415	467	374	952	477	491	315	892.28	958	0.811	689	1,940	5,820
2065	2,749	1,209	421	474	379	967	486	500	319	906.92	974	0.809	698	1,930	5,790

Mapleton City

Population Projections

Projected Growth	Census	Projections								
	2010	2017	2020		2030	2040	2050		2060	2065
Population		9,773	12,390		16,480	19,726	21,724		24,375	25,366
Annual Growth Rate			8.2%		2.9%	1.8%	1.0%		1.2%	0.8%

Growing Conservation

Growing Conservation										
		2017	2020		2030	2040	2050		2060	2065
Baseline		215	211		192	182	179		176	174
Baseline Conservation		1	98.1%		89.3%	84.7%	83.3%		81.9%	80.9%
Baseline Conservation Rate			-0.62%		-0.94%	-0.53%	-0.17%		-0.17%	-0.23%

City Data	Indoor Use					Outdoor Use				
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)		Estimated ERCs*	Number of Domestic Connections	Residential Use (acre-feet)		Total Use^ (acre-feet)	Estimated ERCs**
2016	2,420	1,795	1,817		2,450				1,100	2,450
2017	2,510	1,666	1,863		2,808				1,072	2,808
2018	2,762	1,738	1,968		3,128				1,325	3,128

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

** Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use.

^Mapleton City also uses well water for irrigation reported by Ensign-Bickford Company from the following wells: Mapleton #1, Orton-23, & R-3 (May-Sep. outdoor use)

Mapleton City Projected Water Requirement

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agriculture Land (acres)	Annual Volume (ac-ft)
2016														3,680	
2017	9,773	2,808	993	1,101	993	2,808	1,933	1,965	1,933	2,927	2,935	1.000	2,927	2,018	
2018	10,577	3,128	1,101	1,226	1,096	3,128	2,081	2,194	2,061	3,182	3,421	0.994	3,158	1,881	
2019	11,448	3,386	1,188	1,327	1,177	3,386	2,200	2,380	2,159	3,387	3,707	0.988	3,336	1,733	5,200
2020	12,390	3,664	1,281	1,436	1,265	3,664	2,329	2,581	2,264	3,610	4,017	0.981	3,529	1,573	4,720
2021	12,749	3,770	1,317	1,478	1,292	3,770	2,381	2,661	2,283	3,698	4,139	0.972	3,576	1,512	4,537
2022	13,117	3,879	1,353	1,521	1,321	3,879	2,434	2,744	2,303	3,787	4,265	0.963	3,623	1,450	4,349
2023	13,497	3,992	1,391	1,565	1,350	3,992	2,489	2,829	2,322	3,880	4,394	0.954	3,672	1,385	4,155
2024	13,888	4,107	1,430	1,610	1,379	4,107	2,545	2,917	2,343	3,975	4,527	0.945	3,722	1,319	3,956
2025	14,289	4,226	1,470	1,657	1,410	4,226	2,603	3,007	2,363	4,073	4,664	0.936	3,773	1,250	3,751
2026	14,703	4,348	1,511	1,705	1,441	4,348	2,663	3,101	2,385	4,174	4,805	0.927	3,826	1,180	3,540
2027	15,128	4,474	1,553	1,754	1,473	4,474	2,725	3,197	2,406	4,279	4,951	0.919	3,879	1,108	3,323
2028	15,566	4,604	1,597	1,805	1,507	4,604	2,789	3,296	2,428	4,386	5,101	0.910	3,934	1,033	3,100
2029	16,017	4,737	1,642	1,857	1,540	4,737	2,855	3,399	2,450	4,496	5,255	0.901	3,991	957	2,870
2030	16,480	4,874	1,688	1,911	1,575	4,874	2,923	3,504	2,473	4,610	5,415	0.893	4,048	878	2,634
2031	16,779	4,962	1,717	1,945	1,598	4,962	2,968	3,575	2,490	4,685	5,520	0.888	4,087	827	2,481
2032	17,083	5,052	1,748	1,980	1,620	5,052	3,015	3,647	2,506	4,762	5,628	0.884	4,127	775	2,326
2033	17,393	5,144	1,778	2,016	1,644	5,144	3,062	3,721	2,523	4,840	5,737	0.879	4,167	723	2,168
2034	17,709	5,237	1,810	2,053	1,667	5,237	3,110	3,796	2,540	4,920	5,849	0.874	4,208	669	2,007
2035	18,030	5,332	1,842	2,090	1,691	5,332	3,159	3,873	2,558	5,001	5,963	0.869	4,249	614	1,843
2036	18,357	5,429	1,874	2,128	1,716	5,429	3,210	3,951	2,575	5,084	6,079	0.865	4,291	559	1,676
2037	18,690	5,527	1,907	2,167	1,740	5,527	3,261	4,030	2,593	5,168	6,197	0.860	4,334	502	1,507
2038	19,029	5,628	1,941	2,206	1,765	5,628	3,313	4,112	2,611	5,254	6,318	0.856	4,377	445	1,334
2039	19,375	5,730	1,975	2,246	1,791	5,730	3,367	4,195	2,630	5,342	6,441	0.851	4,421	386	1,158
2040	19,726	5,834	2,010	2,287	1,817	5,834	3,421	4,279	2,648	5,431	6,566	0.847	4,465	326	978
2041	19,917	5,890	2,029	2,309	1,832	5,890	3,453	4,329	2,663	5,482	6,638	0.845	4,494	294	881
2042	20,110	5,947	2,048	2,331	1,846	5,947	3,486	4,380	2,677	5,534	6,711	0.844	4,524	261	782
2043	20,305	6,005	2,068	2,354	1,861	6,005	3,519	4,431	2,692	5,586	6,785	0.842	4,553	228	683
2044	20,502	6,063	2,087	2,377	1,876	6,063	3,552	4,483	2,707	5,639	6,860	0.841	4,583	194	583
2045	20,701	6,122	2,107	2,400	1,891	6,122	3,586	4,535	2,722	5,693	6,935	0.840	4,613	160	481
2046	20,902	6,181	2,127	2,423	1,906	6,181	3,620	4,588	2,737	5,747	7,012	0.838	4,644	126	379
2047	21,104	6,241	2,147	2,447	1,922	6,241	3,654	4,642	2,752	5,801	7,089	0.837	4,674	92	275
2048	21,309	6,302	2,167	2,470	1,937	6,302	3,689	4,696	2,768	5,856	7,167	0.835	4,705	57	171
2049	21,515	6,363	2,188	2,494	1,953	6,363	3,724	4,751	2,784	5,912	7,245	0.834	4,736	22	66
2050	21,724	6,425	2,209	2,518	1,969	6,425	3,760	4,806	2,799	5,969	7,325	0.833	4,768	0	0
2051	21,976	6,499	2,234	2,548	1,988	6,499	3,802	4,872	2,819	6,035	7,419	0.831	4,807	0	0
2052	22,230	6,574	2,259	2,577	2,008	6,574	3,844	4,938	2,840	6,103	7,515	0.830	4,847	0	0
2053	22,488	6,650	2,285	2,607	2,028	6,650	3,887	5,004	2,860	6,172	7,611	0.828	4,888	0	0
2054	22,748	6,728	2,310	2,637	2,048	6,728	3,931	5,072	2,881	6,241	7,709	0.827	4,929	0	0
2055	23,011	6,805	2,337	2,668	2,068	6,805	3,975	5,141	2,901	6,312	7,809	0.826	4,970	0	0
2056	23,278	6,884	2,363	2,699	2,089	6,884	4,020	5,211	2,923	6,383	7,909	0.824	5,011	0	0
2057	23,547	6,964	2,390	2,730	2,110	6,964	4,065	5,281	2,944	6,455	8,011	0.823	5,054	0	0
2058	23,820	7,045	2,417	2,761	2,131	7,045	4,111	5,352	2,965	6,528	8,114	0.821	5,096	0	0
2059	24,096	7,126	2,444	2,793	2,152	7,126	4,157	5,425	2,987	6,602	8,218	0.820	5,139	0	0
2060	24,375	7,209	2,472	2,826	2,173	7,209	4,205	5,498	3,009	6,677	8,324	0.819	5,183	0	0
2061	24,570	7,266	2,492	2,848	2,187	7,266	4,240	5,553	3,020	6,731	8,401	0.817	5,207	0	0
2062	24,767	7,325	2,511	2,871	2,200	7,325	4,275	5,608	3,031	6,786	8,479	0.815	5,231	0	0
2063	24,965	7,383	2,531	2,894	2,214	7,383	4,311	5,663	3,042	6,842	8,558	0.813	5,256	0	0
2064	25,165	7,442	2,551	2,917	2,227	7,442	4,347	5,720	3,053	6,898	8,637	0.811	5,280	0	0
2065	25,366	7,502	2,571	2,941	2,241	7,502	4,383	5,776	3,064	6,954	8,717	0.809	5,305	0	0

*From estimates made using the DNR Water Map, Agriculture Land being irrigated today outside of the City's pressurized irrigation system is approximately 1,733.4 acres of land.

Payson City

Projected Growth	Census	Projections								
	2010	2017	2020		2030	2040	2050		2060	2065
Population	18,294	19,892	22,436		30,341	42,728	64,887		79,944	90,210
Annual Growth Rate			4.1%		3.1%	3.5%	4.3%		2.1%	2.4%

Growing Conservation

Growing Conservation										
		2017	2020		2030	2040	2050		2060	2065
Baseline		215	211		192	182	179		176	174
Baseline Conservation		1	98.1%		89.3%	84.7%	83.3%		81.9%	80.9%
Baseline Conservation Rate			-0.62%		-0.94%	-0.53%	-0.17%		-0.17%	-0.23%

City Data	Indoor Use					Outdoor Use				
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)		Estimated ERC*	Number of Domestic Connections	Residential Use (acre-feet)		Total Use^ (acre-feet)	Estimated ERCs**
2016	5,466	1,214	2,590		11,656	NA	NA		NA	8,159
2017	5,524	1,205	2,276		10,433	NA	NA		5,372	7,303
2018	5,562	1,531	2,781		10,103	NA	NA		5,552	7,072

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections.

**Estimate outdoor ERCs using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use in the 2014 Payson Water Sewer Master Plan. The Nebo Power Plant accounts for 2,284 ERCs for an unchanging water demand of 500 AF per year, from City billing data.

^Total use reported to the State for 2018 has not been updated with City records. Secondary water use was estimated from irrigated acres reported to the DWRi in 2017 and 2018.

Payson Projected Water Requirements

Year	Population Projection (Mountainland 2019)	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agriculture Land (acres)	Annual Volume (ac-ft)
2016	19,892			-		8,159							8,147.6	10,180	
2017	19,892	10,433	3,505	4,090	3,505	7,303	4,642	4,642	4,642	8,148	8,148	1.000	8,147.6	10,180	30,540
2018	20,706	10,860	3,649	4,257	3,636	7,602	4,784	4,784	4,734	8,433	9,041	0.994	8,370.2	10,042	30,125
2019	21,554	11,304	3,798	4,431	3,772	7,913	4,932	4,932	4,829	8,730	9,363	0.988	8,600.9	9,898	29,693
2020	22,436	11,767	3,954	4,613	3,914	8,237	5,086	5,086	4,926	9,039	9,698	0.981	8,840.1	9,748	29,243
2021	23,124	12,127	4,075	4,754	4,015	8,489	5,208	5,208	4,968	9,283	9,962	0.972	8,982.6	9,631	28,892
2022	23,832	12,499	4,200	4,900	4,119	8,749	5,334	5,334	5,010	9,534	10,234	0.963	9,128.6	9,510	28,531
2023	24,562	12,882	4,328	5,050	4,225	9,017	5,465	5,465	5,053	9,793	10,514	0.954	9,278.1	9,386	28,158
2024	25,315	13,277	4,461	5,204	4,335	9,294	5,599	5,599	5,096	10,060	10,804	0.945	9,431.2	9,258	27,774
2025	26,091	13,684	4,598	5,364	4,448	9,578	5,738	5,738	5,140	10,336	11,102	0.936	9,588.0	9,126	27,379
2026	26,890	14,103	4,739	5,528	4,564	9,872	5,882	5,882	5,184	10,620	11,410	0.927	9,748.6	8,990	26,971
2027	27,714	14,535	4,884	5,698	4,684	10,175	6,030	6,030	5,229	10,914	11,728	0.919	9,913.0	8,850	26,551
2028	28,564	14,980	5,033	5,872	4,806	10,486	6,183	6,183	5,275	11,216	12,055	0.910	10,081.3	8,706	26,117
2029	29,439	15,439	5,188	6,052	4,933	10,808	6,341	6,341	5,321	11,529	12,393	0.901	10,253.6	8,557	25,671
2030	30,341	15,913	5,347	6,238	5,062	11,139	6,504	6,504	5,367	11,851	12,742	0.893	10,429.9	8,404	25,211
2031	31,398	16,467	5,533	6,455	5,226	11,527	6,694	6,694	5,466	12,227	13,149	0.888	10,692.4	8,224	24,672
2032	32,491	17,040	5,726	6,680	5,395	11,928	6,891	6,891	5,568	12,617	13,571	0.884	10,962.9	8,038	24,114
2033	33,623	17,634	5,925	6,912	5,569	12,344	7,096	7,096	5,672	13,021	14,008	0.879	11,241.6	7,846	23,537
2034	34,794	18,248	6,131	7,153	5,749	12,774	7,308	7,308	5,780	13,439	14,461	0.874	11,528.8	7,647	22,940
2035	36,006	18,883	6,345	7,402	5,935	13,218	7,527	7,527	5,889	13,872	14,930	0.869	11,824.7	7,441	22,322
2036	37,260	19,541	6,566	7,660	6,128	13,679	7,755	7,755	6,002	14,321	15,415	0.865	12,129.7	7,227	21,682
2037	38,557	20,222	6,795	7,927	6,326	14,155	7,991	7,991	6,118	14,786	15,918	0.860	12,443.8	7,007	21,021
2038	39,900	20,926	7,031	8,203	6,531	14,648	8,236	8,236	6,236	15,267	16,439	0.856	12,767.5	6,779	20,336
2039	41,290	21,655	7,276	8,489	6,743	15,158	8,490	8,490	6,358	15,766	16,979	0.851	13,101.0	6,542	19,627
2040	42,728	22,409	7,529	8,784	6,962	15,686	8,753	8,753	6,483	16,283	17,537	0.847	13,444.5	6,298	18,894
2041	44,551	23,365	7,851	9,159	7,253	16,356	9,084	9,084	6,693	16,935	18,243	0.845	13,946.0	5,988	17,964
2042	46,452	24,362	8,186	9,550	7,556	17,053	9,430	9,430	6,912	17,615	18,980	0.844	14,468.2	5,665	16,995
2043	48,434	25,401	8,535	9,957	7,872	17,781	9,791	9,791	7,140	18,326	19,748	0.842	15,012.0	5,328	15,984
2044	50,500	26,485	8,899	10,382	8,201	18,540	10,168	10,168	7,377	19,067	20,550	0.841	15,578.2	4,977	14,930
2045	52,654	27,615	9,279	10,825	8,544	19,331	10,562	10,562	7,624	19,841	21,387	0.840	16,167.8	4,610	13,831
2046	54,901	28,793	9,675	11,287	8,901	20,155	10,974	10,974	7,880	20,648	22,261	0.838	16,781.6	4,228	12,685
2047	57,243	30,022	10,087	11,768	9,273	21,015	11,404	11,404	8,148	21,491	23,172	0.837	17,420.8	3,830	11,491
2048	59,685	31,303	10,518	12,271	9,661	21,912	11,853	11,853	8,426	22,371	24,124	0.835	18,086.3	3,415	10,245
2049	62,232	32,638	10,966	12,794	10,064	22,847	12,322	12,322	8,715	23,289	25,116	0.834	18,779.2	2,982	8,947
2050	64,887	34,031	11,434	13,340	10,485	23,821	12,813	12,813	9,016	24,247	26,153	0.833	19,500.7	2,531	7,593
2051	66,255	34,748	11,675	13,621	10,696	24,324	13,077	13,077	9,158	24,752	26,698	0.831	19,854.0	2,298	6,895
2052	67,652	35,481	11,922	13,908	10,911	24,837	13,347	13,347	9,304	25,269	27,256	0.830	20,214.2	2,061	6,182
2053	69,079	36,229	12,173	14,202	11,130	25,360	13,624	13,624	9,452	25,797	27,826	0.828	20,581.5	1,818	5,455
2054	70,536	36,993	12,430	14,501	11,354	25,895	13,907	13,907	9,603	26,337	28,408	0.827	20,956.0	1,571	4,712
2055	72,023	37,773	12,692	14,807	11,582	26,441	14,196	14,196	9,756	26,888	29,004	0.826	21,337.9	1,318	3,953
2056	73,542	38,570	12,959	15,119	11,814	26,999	14,493	14,493	9,913	27,452	29,612	0.824	21,727.2	1,060	3,179
2057	75,093	39,383	13,233	15,438	12,052	27,568	14,795	14,795	10,072	28,028	30,234	0.823	22,124.2	796	2,388
2058	76,676	40,213	13,512	15,764	12,294	28,149	15,105	15,105	10,235	28,617	30,869	0.821	22,528.9	527	1,580
2059	78,293	41,061	13,797	16,096	12,541	28,743	15,422	15,422	10,400	29,219	31,518	0.820	22,941.6	252	755
2060	79,944	41,927	14,088	16,435	12,793	29,349	15,746	15,746	10,569	29,834	32,182	0.819	23,362.3	0	0
2061	81,899	42,953	14,432	16,837	13,091	30,067	16,126	16,126	10,761	30,558	32,964	0.817	23,852.2	0	0
2062	83,902	44,003	14,785	17,249	13,395	30,802	16,516	16,516	10,958	31,302	33,766	0.815	24,353.1	0	0
2063	85,954	45,079	15,147	17,671	13,707	31,556	16,917	16,917	11,158	32,064	34,588	0.813	24,865.2	0	0
2064	88,056	46,182	15,517	18,103	14,026	32,327	17,328	17,328	11,363	32,845	35,431	0.811	25,388.7	0	0
2065	90,210	47,311	15,897	18,546	14,352	33,118	17,749	17,749	11,572	33,646	36,295	0.809	25,923.9	0	0

Salem City

Population Projections

Projected Growth	Census	Projections						
	2010	2017	2020	2030	2040	2050	2060	2065
Population	6,423	8,210	11,337	21,426	36,057	48,708	62,222	68,451
Annual Growth Rate			11.4%	6.6%	5.3%	3.1%	2.5%	1.9%

Growing Conservation

Growing Conservation								
		2017	2020	2030	2040	2050	2060	2065
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor Use				Outdoor Use			
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERC*	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERCs**
2016 Reported Connections and Use to DWRi	2,186	567	683	2,635			2,010	2,371
2017 Reported Connections and Use to DWRi	2,231	541	681	2,807			1,943	2,498
2018 Reported Connections and Use to DWRi	2,338	547	654	2,799			1,710	2,519
Salem DWMP, HAL, 2018				3,682				

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

** Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use.

Salem Projected Water Requirement

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agriculture Land (acres)	Annual Volume (ac-ft)
2016															
2017	8,210	2,807	1,082	1,100	1,082	2,498	1,542	1,499	1,542	2,624	2,624	1.000	2,624	3,528	10,584
2018	9,142	3,125	1,189	1,225	1,185	2,782	1,672	1,672	1,655	2,861	2,898	0.994	2,840	3,369	10,108
2019	10,181	3,480	1,308	1,364	1,299	3,097	1,818	1,866	1,781	3,126	3,230	0.988	3,080	3,193	9,579
2020	11,337	3,876	1,441	1,519	1,426	3,449	1,980	2,082	1,919	3,421	3,602	0.981	3,345	2,996	8,989
2021	12,082	4,130	1,527	1,619	1,503	3,676	2,086	2,224	1,992	3,613	3,843	0.972	3,495	2,870	8,609
2022	12,876	4,402	1,618	1,725	1,585	3,918	2,199	2,375	2,069	3,817	4,100	0.963	3,654	2,735	8,204
2023	13,722	4,691	1,715	1,839	1,673	4,175	2,320	2,536	2,150	4,035	4,375	0.954	3,822	2,591	7,773
2024	14,624	4,999	1,819	1,960	1,765	4,449	2,449	2,709	2,235	4,268	4,668	0.945	4,000	2,438	7,313
2025	15,585	5,328	1,929	2,089	1,864	4,742	2,587	2,893	2,325	4,517	4,981	0.936	4,189	2,274	6,823
2026	16,610	5,678	2,047	2,226	1,968	5,053	2,735	3,089	2,420	4,782	5,315	0.927	4,388	2,100	6,300
2027	17,701	6,051	2,172	2,372	2,079	5,386	2,892	3,299	2,519	5,064	5,671	0.919	4,598	1,914	5,743
2028	18,865	6,449	2,306	2,528	2,197	5,740	3,060	3,523	2,624	5,366	6,051	0.910	4,821	1,717	5,150
2029	20,105	6,873	2,448	2,694	2,322	6,117	3,239	3,762	2,734	5,688	6,456	0.901	5,056	1,506	4,518
2030	21,426	7,324	2,600	2,871	2,455	6,519	3,431	4,017	2,850	6,031	6,888	0.893	5,305	1,281	3,844
2031	22,571	7,716	2,732	3,025	2,572	6,867	3,598	4,240	2,960	6,330	7,265	0.888	5,532	1,087	3,260
2032	23,777	8,128	2,870	3,186	2,695	7,234	3,775	4,476	3,075	6,645	7,662	0.884	5,770	882	2,645
2033	25,047	8,562	3,016	3,356	2,824	7,620	3,962	4,725	3,195	6,977	8,081	0.879	6,020	666	1,997
2034	26,385	9,020	3,170	3,536	2,960	8,028	4,158	4,987	3,321	7,328	8,523	0.874	6,281	438	1,315
2035	27,795	9,502	3,332	3,725	3,103	8,457	4,366	5,264	3,452	7,698	8,989	0.869	6,556	199	596
2036	29,280	10,009	3,502	3,924	3,253	8,908	4,585	5,557	3,590	8,088	9,480	0.865	6,843	0	0
2037	30,844	10,544	3,682	4,133	3,411	9,384	4,817	5,865	3,734	8,499	9,998	0.860	7,145	0	0
2038	32,492	11,107	3,871	4,354	3,577	9,886	5,061	6,191	3,884	8,932	10,545	0.856	7,461	0	0
2039	34,228	11,701	4,071	4,587	3,751	10,414	5,319	6,535	4,041	9,390	11,121	0.851	7,793	0	0
2040	36,057	12,326	4,281	4,832	3,934	10,970	5,591	6,898	4,206	9,872	11,729	0.847	8,140	0	0
2041	37,158	12,702	4,407	4,979	4,046	11,305	5,760	7,122	4,314	10,167	12,102	0.845	8,360	0	0
2042	38,292	13,090	4,537	5,131	4,160	11,650	5,934	7,354	4,426	10,471	12,486	0.844	8,587	0	0
2043	39,461	13,490	4,672	5,288	4,279	12,006	6,113	7,594	4,541	10,785	12,882	0.842	8,820	0	0
2044	40,666	13,902	4,810	5,449	4,400	12,373	6,299	7,841	4,659	11,109	13,291	0.841	9,059	0	0
2045	41,908	14,326	4,953	5,616	4,525	12,750	6,490	8,096	4,781	11,443	13,712	0.840	9,306	0	0
2046	43,187	14,764	5,100	5,787	4,654	13,140	6,688	8,360	4,906	11,788	14,147	0.838	9,560	0	0
2047	44,506	15,214	5,251	5,964	4,787	13,541	6,892	8,632	5,035	12,143	14,596	0.837	9,821	0	0
2048	45,865	15,679	5,407	6,146	4,923	13,954	7,103	8,913	5,167	12,510	15,059	0.835	10,090	0	0
2049	47,265	16,158	5,568	6,334	5,064	14,380	7,320	9,203	5,303	12,888	15,537	0.834	10,367	0	0
2050	48,708	16,651	5,734	6,527	5,208	14,819	7,545	9,503	5,443	13,279	16,030	0.833	10,651	0	0
2051	49,915	17,064	5,872	6,689	5,328	15,187	7,736	9,757	5,558	13,608	16,446	0.831	10,885	0	0
2052	51,153	17,487	6,014	6,855	5,450	15,563	7,932	10,019	5,675	13,947	16,873	0.830	11,125	0	0
2053	52,421	17,920	6,160	7,025	5,575	15,949	8,133	10,287	5,794	14,293	17,312	0.828	11,370	0	0
2054	53,720	18,364	6,309	7,199	5,704	16,344	8,340	10,562	5,917	14,649	17,761	0.827	11,621	0	0
2055	55,052	18,819	6,462	7,377	5,835	16,749	8,552	10,845	6,042	15,014	18,222	0.826	11,877	0	0
2056	56,417	19,286	6,619	7,560	5,969	17,165	8,770	11,136	6,170	15,389	18,696	0.824	12,140	0	0
2057	57,815	19,764	6,780	7,748	6,107	17,590	8,993	11,434	6,301	15,773	19,181	0.823	12,408	0	0
2058	59,248	20,254	6,944	7,940	6,248	18,026	9,223	11,739	6,435	16,167	19,679	0.821	12,683	0	0
2059	60,717	20,756	7,113	8,136	6,392	18,473	9,458	12,054	6,573	16,571	20,190	0.820	12,964	0	0
2060	62,222	21,271	7,286	8,338	6,539	18,931	9,700	12,376	6,713	16,986	20,714	0.819	13,252	0	0
2061	63,421	21,680	7,424	8,499	6,653	19,296	9,897	12,639	6,815	17,321	21,137	0.817	13,468	0	0
2062	64,643	22,098	7,564	8,662	6,769	19,667	10,098	12,907	6,918	17,662	21,569	0.815	13,687	0	0
2063	65,888	22,524	7,707	8,829	6,887	20,046	10,303	13,180	7,023	18,010	22,010	0.813	13,910	0	0
2064	67,157	22,958	7,853	8,999	7,007	20,432	10,513	13,460	7,130	18,366	22,459	0.811	14,137	0	0
2065	68,451	23,400	8,001	9,173	7,129	20,826	10,727	13,745	7,238	18,728	22,918	0.809	14,368	0	0

Santaquin City

Projected Growth	Census	Projections						
	2010	2017	2020	2030	2040	2050	2060	2065
Population	9,128	11,652	14,242	19,162	29,982	41,507	52,179	57,728
Annual Growth Rate			6.9%	3.0%	4.6%	3.3%	2.3%	2.0%

Growing Conservation

Growing Conservation								
		2017	2020	2030	2040	2050	2060	2065
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor Use				Outdoor Use			
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERC*	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERCs**
2016 Reported Connections and Use to DWRi	2,952	656	751	3,379			1,665	2,556
2017 Reported Connections and Use to DWRi	3,144	809	937	3,639			2,109	2,754
2018 Reported Connections and Use to DWRi	3,341	716	862	4,018			1,935	3,040

* Estimate using DWRi Water Reporting equation of [(TU-RU)+Rcon/RU]+RCON where TU=total use, RU=residential use, and RCON=residential connections

** Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use in the Santaquin City PI and CW Master Plan and Capital Facilities Plan, JUB Engineers, Inc., Nov. 2013

Santaquin Projected Water Requirements

Year	Population Projection (Mountainland 2019)	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agriculture Land (acres)	Annual Volume (ac-ft)
2016	11,652													3,497	
2017	11,652	3,639	1,393	1,427	1,393	2,754	1,652	1,652	1,652	3,045	3,079	1.000	3,045	3,497	10,491
2018	12,458	4,018	1,520	1,575	1,515	3,040	1,784	1,828	1,764	3,304	3,403	0.994	3,280	3,360	10,080
2019	13,320	4,296	1,613	1,684	1,603	3,250	1,882	1,958	1,841	3,495	3,642	0.988	3,444	3,213	9,640
2020	14,242	4,593	1,713	1,801	1,697	3,475	1,987	2,098	1,922	3,700	3,899	0.981	3,619	3,057	9,170
2021	14,671	4,732	1,760	1,855	1,735	3,580	2,037	2,166	1,940	3,797	4,021	0.972	3,675	2,984	8,951
2022	15,113	4,874	1,808	1,911	1,775	3,688	2,090	2,236	1,958	3,898	4,146	0.963	3,733	2,909	8,726
2023	15,568	5,021	1,857	1,968	1,815	3,799	2,144	2,308	1,976	4,001	4,276	0.954	3,792	2,831	8,494
2024	16,037	5,172	1,908	2,028	1,857	3,913	2,200	2,382	1,995	4,108	4,410	0.945	3,852	2,752	8,255
2025	16,520	5,328	1,960	2,089	1,899	4,031	2,257	2,459	2,014	4,217	4,548	0.936	3,914	2,669	8,008
2026	17,017	5,489	2,014	2,151	1,943	4,153	2,317	2,538	2,033	4,331	4,690	0.927	3,977	2,585	7,755
2027	17,530	5,654	2,070	2,216	1,988	4,278	2,378	2,620	2,053	4,448	4,836	0.919	4,041	2,498	7,493
2028	18,058	5,824	2,127	2,283	2,035	4,407	2,441	2,704	2,073	4,568	4,988	0.910	4,108	2,408	7,224
2029	18,602	6,000	2,186	2,352	2,082	4,539	2,507	2,792	2,093	4,693	5,143	0.901	4,175	2,316	6,947
2030	19,162	6,180	2,247	2,423	2,131	4,676	2,574	2,882	2,113	4,821	5,304	0.893	4,244	2,220	6,661
2031	20,039	6,463	2,342	2,534	2,216	4,890	2,678	3,020	2,175	5,019	5,553	0.888	4,391	2,071	6,213
2032	20,957	6,759	2,441	2,650	2,304	5,114	2,786	3,164	2,239	5,227	5,814	0.884	4,544	1,915	5,746
2033	21,916	7,069	2,545	2,771	2,397	5,348	2,900	3,316	2,306	5,445	6,087	0.879	4,703	1,752	5,256
2034	22,920	7,392	2,654	2,898	2,493	5,593	3,019	3,475	2,375	5,673	6,372	0.874	4,868	1,581	4,744
2035	23,969	7,731	2,767	3,030	2,593	5,849	3,144	3,641	2,447	5,911	6,671	0.869	5,041	1,403	4,209
2036	25,066	8,085	2,886	3,169	2,698	6,117	3,274	3,815	2,522	6,161	6,984	0.865	5,220	1,217	3,650
2037	26,214	8,455	3,011	3,314	2,808	6,397	3,412	3,998	2,599	6,422	7,312	0.860	5,407	1,021	3,064
2038	27,414	8,842	3,141	3,466	2,922	6,690	3,555	4,189	2,680	6,696	7,655	0.856	5,602	817	2,452
2039	28,669	9,247	3,277	3,625	3,041	6,996	3,705	4,390	2,763	6,982	8,015	0.851	5,804	604	1,812
2040	29,982	9,670	3,419	3,791	3,166	7,316	3,863	4,600	2,849	7,282	8,391	0.847	6,015	381	1,143
2041	30,973	9,990	3,527	3,916	3,262	7,558	3,984	4,762	2,925	7,511	8,678	0.845	6,187	212	637
2042	31,997	10,320	3,637	4,045	3,361	7,808	4,110	4,929	3,004	7,747	8,974	0.844	6,365	38	115
2043	33,055	10,661	3,752	4,179	3,463	8,066	4,239	5,102	3,084	7,992	9,281	0.842	6,548	0	0
2044	34,148	11,014	3,871	4,317	3,569	8,333	4,374	5,281	3,168	8,244	9,598	0.841	6,737	0	0
2045	35,277	11,378	3,993	4,460	3,678	8,608	4,513	5,466	3,254	8,506	9,926	0.840	6,932	0	0
2046	36,443	11,754	4,119	4,607	3,791	8,893	4,657	5,658	3,342	8,776	10,266	0.838	7,133	0	0
2047	37,648	12,142	4,250	4,760	3,907	9,187	4,806	5,857	3,433	9,055	10,617	0.837	7,340	0	0
2048	38,893	12,544	4,385	4,917	4,027	9,491	4,960	6,062	3,528	9,344	10,979	0.835	7,554	0	0
2049	40,179	12,959	4,524	5,080	4,150	9,804	5,119	6,275	3,625	9,643	11,355	0.834	7,775	0	0
2050	41,507	13,387	4,668	5,248	4,278	10,129	5,284	6,495	3,725	9,952	11,743	0.833	8,003	0	0
2051	42,468	13,697	4,772	5,369	4,369	10,363	5,407	6,658	3,794	10,179	12,027	0.831	8,163	0	0
2052	43,451	14,014	4,879	5,493	4,462	10,603	5,532	6,826	3,865	10,411	12,319	0.830	8,326	0	0
2053	44,456	14,338	4,988	5,621	4,557	10,848	5,661	6,997	3,937	10,649	12,618	0.828	8,494	0	0
2054	45,485	14,670	5,099	5,751	4,654	11,099	5,793	7,173	4,011	10,892	12,924	0.827	8,664	0	0
2055	46,538	15,010	5,213	5,884	4,753	11,356	5,928	7,353	4,086	11,141	13,237	0.826	8,839	0	0
2056	47,615	15,357	5,330	6,020	4,854	11,619	6,066	7,538	4,163	11,396	13,558	0.824	9,017	0	0
2057	48,717	15,713	5,449	6,159	4,958	11,888	6,208	7,727	4,241	11,658	13,887	0.823	9,199	0	0
2058	49,845	16,076	5,572	6,302	5,063	12,163	6,354	7,921	4,321	11,926	14,223	0.821	9,385	0	0
2059	50,999	16,448	5,697	6,448	5,172	12,445	6,503	8,120	4,403	12,200	14,568	0.820	9,575	0	0
2060	52,179	16,829	5,825	6,597	5,282	12,733	6,656	8,324	4,487	12,481	14,921	0.819	9,769	0	0
2061	53,244	17,173	5,940	6,732	5,379	13,028	6,813	8,533	4,569	12,753	15,265	0.817	9,948	0	0
2062	54,332	17,523	6,058	6,869	5,479	13,294	6,956	8,724	4,640	13,014	15,593	0.815	10,119	0	0
2063	55,441	17,881	6,178	7,009	5,580	13,565	7,102	8,919	4,712	13,280	15,928	0.813	10,292	0	0
2064	56,573	18,246	6,301	7,152	5,684	13,842	7,252	9,118	4,785	13,552	16,271	0.811	10,469	0	0
2065	57,728	18,619	6,426	7,299	5,789	14,125	7,405	9,322	4,859	13,831	16,621	0.809	10,648	0	0

Spanish Fork City

Population Projections

Projected Growth	Census	Projections						
	2010	2017	2020	2030	2040	2050	2060	2065
Population	34,691	39,443	44,793	58,643	79,575	93,509	111,291	118,288
Annual Growth Rate			4.3%	2.7%	3.1%	1.6%	1.8%	1.2%

Growing Conservation

Growing Conservation								
		2017	2020	2030	2040	2050	2060	2065
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor Use				Outdoor Use			
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERCs*	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERCs**
2016	9,461	2,192	3,090	13,335			3,002	10,912
2017	9,958	2,193	3,122	14,176			7,234	11,600
2018	10,304	2,211	3,173	14,788			6,395	12,101

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

** Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use in the 2015 HAL Master Plan.

Spanish Fork Projected Water Requirement

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Acres (acres)	Annual Volume (acre-feet)
2017	39,443	14,176	5,136	5,557	5,136	11,600	5,220	5,220	5,220	10,356	10,356	1.000	10,356	6,948	20,844
2018	41,151	14,790	5,342	5,798	5,327	12,102	5,457	5,457	5,395	10,800	11,255	0.994	10,721	6,658	19,973
2019	42,934	15,430	5,558	6,049	5,525	12,627	5,706	5,706	5,575	11,263	11,754	0.988	11,100	6,355	19,064
2020	44,793	16,099	5,782	6,311	5,731	13,173	5,965	5,965	5,761	11,747	12,276	0.981	11,492	6,039	18,116
2021	46,016	16,538	5,930	6,483	5,853	13,533	6,141	6,141	5,833	12,071	12,624	0.972	11,685	5,831	17,492
2022	47,273	16,990	6,082	6,660	5,977	13,903	6,321	6,321	5,905	12,403	12,981	0.963	11,882	5,617	16,851
2023	48,564	17,454	6,237	6,842	6,105	14,282	6,507	6,507	5,977	12,745	13,349	0.954	12,082	5,397	16,192
2024	49,890	17,930	6,398	7,029	6,235	14,672	6,699	6,699	6,050	13,097	13,728	0.945	12,286	5,172	15,516
2025	51,252	18,420	6,562	7,221	6,369	15,073	6,896	6,896	6,124	13,458	14,117	0.936	12,493	4,940	14,821
2026	52,652	18,923	6,731	7,418	6,506	15,485	7,099	7,099	6,198	13,830	14,517	0.927	12,704	4,702	14,107
2027	54,090	19,440	6,905	7,620	6,646	15,908	7,308	7,308	6,273	14,212	14,928	0.919	12,919	4,458	13,374
2028	55,567	19,971	7,083	7,829	6,790	16,342	7,522	7,522	6,349	14,606	15,351	0.910	13,138	4,207	12,621
2029	57,084	20,516	7,266	8,042	6,937	16,788	7,744	7,744	6,424	15,010	15,786	0.901	13,361	3,949	11,847
2030	58,643	21,076	7,455	8,262	7,087	17,247	7,971	7,971	6,501	15,426	16,233	0.893	13,588	3,684	11,052
2031	60,461	21,730	7,674	8,518	7,277	17,781	8,235	8,235	6,647	15,909	16,753	0.888	13,924	3,375	10,125
2032	62,334	22,403	7,900	8,782	7,473	18,332	8,507	8,507	6,796	16,408	17,289	0.884	14,269	3,056	9,169
2033	64,266	23,097	8,134	9,054	7,674	18,901	8,789	8,789	6,949	16,922	17,843	0.879	14,622	2,728	8,184
2034	66,258	23,813	8,374	9,335	7,881	19,486	9,079	9,079	7,105	17,454	18,414	0.874	14,985	2,389	7,168
2035	68,312	24,551	8,622	9,624	8,093	20,090	9,380	9,380	7,264	18,002	19,004	0.869	15,357	2,040	6,121
2036	70,429	25,312	8,878	9,922	8,312	20,713	9,690	9,690	7,427	18,568	19,612	0.865	15,739	1,680	5,041
2037	72,612	26,097	9,142	10,230	8,537	21,355	10,010	10,010	7,593	19,152	20,240	0.860	16,130	1,309	3,928
2038	74,863	26,906	9,413	10,547	8,769	22,017	10,341	10,341	7,763	19,754	20,888	0.856	16,531	927	2,780
2039	77,183	27,740	9,693	10,874	9,007	22,699	10,683	10,683	7,936	20,376	21,557	0.851	16,943	532	1,597
2040	79,575	28,599	9,982	11,211	9,252	23,403	11,036	11,036	8,113	21,018	22,247	0.847	17,365	126	377
2041	80,869	29,064	10,139	11,393	9,386	23,783	11,238	11,238	8,227	21,376	22,631	0.845	17,613	0	0
2042	82,185	29,537	10,298	11,579	9,522	24,170	11,443	11,443	8,342	21,741	23,022	0.844	17,865	0	0
2043	83,522	30,018	10,459	11,767	9,661	24,564	11,652	11,652	8,459	22,111	23,419	0.842	18,120	0	0
2044	84,880	30,506	10,623	11,958	9,801	24,963	11,865	11,865	8,578	22,488	23,824	0.841	18,379	0	0
2045	86,261	31,002	10,790	12,153	9,944	25,369	12,082	12,082	8,698	22,872	24,235	0.840	18,642	0	0
2046	87,664	31,507	10,959	12,351	10,089	25,782	12,303	12,303	8,820	23,262	24,653	0.838	18,909	0	0
2047	89,090	32,019	11,131	12,551	10,235	26,201	12,527	12,527	8,944	23,659	25,079	0.837	19,179	0	0
2048	90,539	32,540	11,306	12,756	10,385	26,627	12,756	12,756	9,069	24,063	25,512	0.835	19,454	0	0
2049	92,012	33,069	11,484	12,963	10,536	27,061	12,989	12,989	9,196	24,473	25,952	0.834	19,732	0	0
2050	93,509	33,607	11,665	13,174	10,690	27,501	13,226	13,226	9,325	24,891	26,400	0.833	20,015	0	0
2051	95,151	34,197	11,863	13,405	10,859	27,984	13,485	13,485	9,468	25,348	26,890	0.831	20,327	0	0
2052	96,822	34,798	12,065	13,641	11,031	28,475	13,748	13,748	9,612	25,813	27,389	0.830	20,643	0	0
2053	98,522	35,409	12,270	13,880	11,206	28,975	14,017	14,017	9,759	26,287	27,897	0.828	20,965	0	0
2054	100,253	36,031	12,479	14,124	11,384	29,484	14,291	14,291	9,908	26,770	28,415	0.827	21,292	0	0
2055	102,013	36,664	12,692	14,372	11,564	30,002	14,570	14,570	10,059	27,262	28,942	0.826	21,624	0	0
2056	103,805	37,307	12,908	14,625	11,748	30,529	14,854	14,854	10,213	27,762	29,479	0.824	21,961	0	0
2057	105,628	37,963	13,128	14,881	11,935	31,065	15,144	15,144	10,369	28,273	30,025	0.823	22,303	0	0
2058	107,483	38,629	13,352	15,143	12,124	31,610	15,440	15,440	10,527	28,792	30,582	0.821	22,651	0	0
2059	109,370	39,308	13,580	15,409	12,317	32,165	15,741	15,741	10,688	29,321	31,150	0.820	23,005	0	0
2060	111,291	39,998	13,812	15,679	12,513	32,730	16,048	16,048	10,851	29,860	31,727	0.819	23,364	0	0
2061	112,656	40,489	13,977	15,872	12,645	33,132	16,276	16,276	10,948	30,253	32,148	0.817	23,593	0	0
2062	114,039	40,986	14,144	16,066	12,779	33,538	16,507	16,507	11,045	30,651	32,574	0.815	23,824	0	0
2063	115,438	41,488	14,313	16,263	12,914	33,950	16,742	16,742	11,144	31,055	33,005	0.813	24,057	0	0
2064	116,854	41,997	14,484	16,463	13,050	34,367	16,979	16,979	11,243	31,463	33,442	0.811	24,293	0	0
2065	118,288	42,513	14,657	16,665	13,188	34,788	17,220	17,220	11,343	31,877	33,885	0.809	24,532	0	0

*From estimates made using the DNR Water Map, Agriculture Land being irrigated today outside of the City's pressurized irrigation system is approximately 6,948 acres of land.

Springville City

Population Projections

Projected Growth	Census	Projections						
	2010	2017	2020	2030	2040	2050	2060	2065
Population		33,294	37,758	48,562	58,174	61,969	69,134	71,138
Annual Growth Rate			4.3%	2.5%	1.8%	0.6%	1.1%	0.6%

Growing Conservation

Growing Conservation								
		2017	2020	2030	2040	2050	2060	2065
Baseline		215	211	192	182	179	176	174
Baseline Conservation		1	98.1%	89.3%	84.7%	83.3%	81.9%	80.9%
Baseline Conservation Rate			-0.62%	-0.94%	-0.53%	-0.17%	-0.17%	-0.23%

City Data	Indoor Use				Outdoor Use			
	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERCs*	Number of Domestic Connections	Residential Use (acre-feet)	Total Use (acre-feet)	Estimated ERCs**
2016	7,997	5,234	8,180	12,497			1,121	10,247
2017	8,138	5,029	7,947	12,860			1,635	10,545
2018	8,303	5,169	8,173	13,127			1,903	10,764

* Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

** Estimate using a percent from the estimated ERCs for indoor use compared to ERCs for outdoor use.

Springville City Projected Water Requirement

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios				Agriculture Water	
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)	Irrigated Agriculture Land (acres)	Annual Volume (ac-ft)
2016															
2017	33,294	12,860	4,837	5,041	4,837	10,545	4,745	4,745	4,745	9,582	9,582	1.000	9,582	2,754	
2018	34,720	13,410	5,022	5,257	5,007	10,996	4,959	4,959	4,901	9,981	10,216	0.994	9,908	2,754	
2019	36,207	13,985	5,215	5,482	5,185	11,467	5,182	5,182	5,061	10,397	10,664	0.988	10,246	2,754	8,261
2020	37,758	14,584	5,416	5,717	5,369	11,959	5,415	5,415	5,227	10,831	11,132	0.981	10,597	2,490	7,470
2021	38,720	14,955	5,541	5,863	5,470	12,263	5,565	5,565	5,282	11,106	11,427	0.972	10,752	2,326	6,979
2022	39,707	15,336	5,669	6,012	5,574	12,576	5,718	5,718	5,336	11,387	11,730	0.963	10,910	2,159	6,476
2023	40,719	15,727	5,800	6,165	5,679	12,896	5,876	5,876	5,391	11,676	12,041	0.954	11,070	1,987	5,960
2024	41,756	16,128	5,935	6,322	5,787	13,225	6,038	6,038	5,446	11,973	12,360	0.945	11,233	1,810	5,431
2025	42,821	16,539	6,073	6,483	5,897	13,562	6,205	6,205	5,501	12,278	12,688	0.936	11,399	1,629	4,888
2026	43,912	16,961	6,215	6,649	6,010	13,908	6,376	6,376	5,557	12,591	13,024	0.927	11,567	1,444	4,332
2027	45,031	17,393	6,360	6,818	6,125	14,262	6,552	6,552	5,613	12,912	13,370	0.919	11,739	1,254	3,761
2028	46,178	17,836	6,509	6,992	6,243	14,626	6,732	6,732	5,670	13,241	13,724	0.910	11,913	1,059	3,176
2029	47,355	18,291	6,662	7,170	6,364	14,998	6,918	6,918	5,726	13,580	14,088	0.901	12,090	859	2,576
2030	48,562	18,757	6,818	7,353	6,487	15,380	7,109	7,109	5,783	13,927	14,461	0.893	12,270	653	1,960
2031	49,447	19,098	6,933	7,487	6,580	15,661	7,253	7,253	5,839	14,186	14,740	0.888	12,418	503	1,509
2032	50,348	19,447	7,050	7,623	6,674	15,946	7,400	7,400	5,895	14,450	15,023	0.884	12,569	350	1,049
2033	51,266	19,801	7,169	7,762	6,770	16,237	7,550	7,550	5,952	14,719	15,312	0.879	12,721	194	581
2034	52,200	20,162	7,290	7,903	6,867	16,533	7,703	7,703	6,009	14,994	15,607	0.874	12,876	35	105
2035	53,151	20,529	7,414	8,047	6,966	16,834	7,859	7,859	6,067	15,273	15,907	0.869	13,032	0	0
2036	54,120	20,903	7,540	8,194	7,066	17,141	8,019	8,019	6,125	15,558	16,213	0.865	13,191	0	0
2037	55,106	21,284	7,668	8,343	7,168	17,453	8,181	8,181	6,183	15,849	16,525	0.860	13,352	0	0
2038	56,110	21,672	7,798	8,495	7,272	17,771	8,347	8,347	6,243	16,145	16,842	0.856	13,514	0	0
2039	57,133	22,067	7,931	8,650	7,377	18,095	8,516	8,516	6,302	16,447	17,166	0.851	13,679	0	0
2040	58,174	22,469	8,066	8,808	7,484	18,425	8,688	8,688	6,362	16,754	17,496	0.847	13,846	0	0
2041	58,543	22,612	8,114	8,864	7,520	18,542	8,761	8,761	6,388	16,874	17,625	0.845	13,908	0	0
2042	58,914	22,755	8,162	8,920	7,557	18,659	8,834	8,834	6,414	16,996	17,754	0.844	13,970	0	0
2043	59,287	22,899	8,210	8,977	7,593	18,777	8,908	8,908	6,440	17,118	17,884	0.842	14,033	0	0
2044	59,663	23,044	8,259	9,033	7,630	18,896	8,982	8,982	6,466	17,241	18,015	0.841	14,095	0	0
2045	60,042	23,191	8,308	9,091	7,667	19,016	9,056	9,056	6,492	17,365	18,147	0.840	14,159	0	0
2046	60,422	23,338	8,357	9,148	7,704	19,137	9,132	9,132	6,518	17,489	18,280	0.838	14,222	0	0
2047	60,805	23,486	8,407	9,206	7,741	19,258	9,208	9,208	6,544	17,615	18,414	0.837	14,286	0	0
2048	61,191	23,634	8,457	9,265	7,779	19,380	9,284	9,284	6,571	17,741	18,549	0.835	14,350	0	0
2049	61,579	23,784	8,508	9,323	7,816	19,503	9,361	9,361	6,597	17,869	18,685	0.834	14,414	0	0
2050	61,969	23,935	8,558	9,383	7,854	19,627	9,439	9,439	6,624	17,997	18,822	0.833	14,478	0	0
2051	62,651	24,198	8,647	9,486	7,927	19,843	9,562	9,562	6,682	18,208	19,047	0.831	14,608	0	0
2052	63,340	24,465	8,736	9,590	8,000	20,061	9,686	9,686	6,740	18,422	19,276	0.830	14,739	0	0
2053	64,037	24,734	8,827	9,696	8,073	20,282	9,811	9,811	6,798	18,638	19,507	0.828	14,872	0	0
2054	64,741	25,006	8,918	9,802	8,148	20,505	9,938	9,938	6,857	18,856	19,741	0.827	15,005	0	0
2055	65,454	25,281	9,010	9,910	8,223	20,730	10,067	10,067	6,917	19,078	19,977	0.826	15,140	0	0
2056	66,174	25,559	9,104	10,019	8,299	20,958	10,198	10,198	6,977	19,301	20,217	0.824	15,276	0	0
2057	66,902	25,840	9,198	10,129	8,375	21,189	10,330	10,330	7,038	19,528	20,459	0.823	15,413	0	0
2058	67,638	26,124	9,294	10,241	8,453	21,422	10,463	10,463	7,099	19,757	20,704	0.821	15,552	0	0
2059	68,382	26,412	9,390	10,353	8,531	21,658	10,599	10,599	7,161	19,989	20,952	0.820	15,692	0	0
2060	69,134	26,702	9,488	10,467	8,610	21,896	10,736	10,736	7,223	20,224	21,203	0.819	15,833	0	0
2061	69,530	26,855	9,539	10,527	8,645	22,021	10,818	10,818	7,240	20,358	21,345	0.817	15,885	0	0
2062	69,929	27,009	9,591	10,588	8,680	22,148	10,901	10,901	7,257	20,492	21,489	0.815	15,937	0	0
2063	70,330	27,164	9,643	10,648	8,716	22,275	10,984	10,984	7,274	20,627	21,633	0.813	15,989	0	0
2064	70,733	27,320	9,695	10,709	8,751	22,402	11,068	11,068	7,291	20,764	21,778	0.811	16,042	0	0
2065	71,138	27,476	9,748	10,771	8,787	22,531	11,153	11,153	7,308	20,901	21,923	0.809	16,095	0	0

*From estimates made using the DNR Water Map, Agriculture Land being irrigated today outside of the City's pressurized irrigation system is approximately 2,753.7 acres of land.

City of Woodland Hills

Projected Growth	Census	Projections								
	2010	2017	2020		2030	2040	2050		2060	2065
Population	1,344	1,548	1,694		1,824	2,018	2,200		2,373	2,457
Growth Rate			3.0%		0.7%	1.0%	0.9%		0.8%	0.7%

Growing Conservation

Growing Conservation										
		2017	2020		2030	2040	2050		2060	2065
Baseline		215	211		192	182	179		176	174
Baseline Conservation		1	98.1%		89.3%	84.7%	83.3%		81.9%	80.9%
Baseline Conservation Rate			-0.62%		-0.94%	-0.53%	-0.17%		-0.17%	-0.23%

City Data	Indoor Water/Outdoor Water				
	Number of Domestic Connections*	Residential Use* (acre-feet)	Total Use* (acre-feet)		Estimated ERCs**
2017	398	294	312		422
2018	405	280	290		419

*Connections and water use reported by the City to the DWRi

** Estimate using DWRi Water Reporting equation of [(TU-RU)*(RCON/RU)]+RCON where TU=total use, RU=residential use, and RCON=residential connections

Woodland Hills Projected Water Requirement

Year	Population Projection	Drinking Water				Pressurized Irrigation				Total Annual Volume Scenarios			
		ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	ERCs	Annual Volume Conservation (acre-feet)	Annual Volume (acre-feet)	Growing Conservation (acre-feet)	Conservation (acre-feet)	Current Use (acre-feet)	Growing Conservation Rates	Growing Conservation (acre-feet)
2016													
2017	1,548	422	153	166	153	398	159	159	159	312	312	1.000	312
2018	1,595	435	157	171	157	410	164	164	163	322	335	0.994	319
2019	1,644	449	162	176	161	423	170	170	166	332	346	0.988	327
2020	1,694	462	166	181	165	436	175	175	169	342	357	0.981	334
2021	1,707	466	167	183	165	439	177	177	168	344	360	0.972	333
2022	1,719	469	169	184	166	442	179	179	167	347	363	0.963	333
2023	1,732	473	170	185	166	445	180	180	166	350	366	0.954	332
2024	1,745	476	171	187	167	449	182	182	165	353	369	0.945	331
2025	1,758	480	172	188	167	452	184	184	163	356	372	0.936	330
2026	1,771	483	173	189	168	455	186	186	162	359	375	0.927	330
2027	1,784	487	175	191	168	459	187	187	161	362	378	0.919	329
2028	1,797	491	176	192	168	462	189	189	160	365	381	0.910	328
2029	1,811	494	177	194	169	466	191	191	159	368	385	0.901	327
2030	1,824	498	178	195	169	469	193	193	157	371	388	0.893	327
2031	1,843	503	180	197	171	474	195	195	158	375	392	0.888	328
2032	1,861	508	182	199	172	479	197	197	158	379	397	0.884	330
2033	1,880	513	183	201	173	483	200	200	158	383	401	0.879	331
2034	1,899	518	185	203	174	488	202	202	158	387	405	0.874	333
2035	1,919	524	187	205	175	493	205	205	159	392	410	0.869	334
2036	1,938	529	189	207	177	498	207	207	159	396	415	0.865	336
2037	1,958	534	191	209	178	503	210	210	159	400	419	0.860	337
2038	1,978	540	192	212	179	508	212	212	159	405	424	0.856	339
2039	1,998	545	194	214	180	514	215	215	160	409	429	0.851	340
2040	2,018	551	196	216	182	519	217	217	160	414	433	0.847	342
2041	2,036	556	198	218	183	523	220	220	161	417	438	0.845	344
2042	2,053	560	199	220	184	528	222	222	162	421	442	0.844	346
2043	2,071	565	201	222	186	532	225	225	163	425	446	0.842	349
2044	2,089	570	203	223	187	537	227	227	164	429	450	0.841	351
2045	2,107	575	204	225	188	542	229	229	165	434	455	0.840	353
2046	2,125	580	206	227	190	546	232	232	166	438	459	0.838	356
2047	2,144	585	208	229	191	551	234	234	167	442	464	0.837	358
2048	2,162	590	209	231	192	556	237	237	168	446	468	0.835	361
2049	2,181	595	211	233	194	561	239	239	169	450	473	0.834	363
2050	2,200	600	213	235	195	566	242	242	171	455	477	0.833	365
2051	2,217	605	214	237	196	570	244	244	171	458	481	0.831	368
2052	2,234	610	216	239	197	574	246	246	172	462	485	0.830	370
2053	2,251	614	217	241	199	579	249	249	173	466	490	0.828	372
2054	2,268	619	219	243	200	583	251	251	174	470	494	0.827	374
2055	2,285	624	221	244	201	587	254	254	175	474	498	0.826	376
2056	2,302	628	222	246	202	592	256	256	176	478	502	0.824	378
2057	2,320	633	224	248	203	596	258	258	177	482	507	0.823	380
2058	2,337	638	225	250	205	601	261	261	178	486	511	0.821	383
2059	2,355	643	227	252	206	606	263	263	179	490	515	0.820	385
2060	2,373	648	229	254	207	610	266	266	180	495	520	0.819	387
2061	2,390	652	230	256	208	614	268	268	180	498	524	0.817	389
2062	2,406	657	232	257	209	619	271	271	180	502	528	0.812	389
2063	2,423	661	233	259	210	623	273	273	179	506	532	0.807	389
2064	2,440	666	235	261	211	627	276	276	179	510	537	0.802	389
2065	2,457	671	236	263	211	632	278	278	178	514	541	0.797	390

APPENDIX C

ANNUAL WATER SUPPLY DATA FOR CITIES

Benjamin

Category	AF/y			AF/y			7405
Recharge	2350	25-yr low stream (irr season)				SVP Acres	
DW Well Rights		25-yr low stream (year)				SVP Shares	7755
SW Well Rights		Total IC Shares		820.9		AF/SVP share	1
Well Rights	0	City IC Shares				Irr Acres (Table 2-3)	
Current Pumping		AF/IC Share (low year)				Irr Shares (Richard's table)	
Rem. Safe Yie	2704	ULS				Spring Capacity (Richard's table)	
2065 Well Sup	2704	Reuse				total subarea acres	
		SF Total available		2649		SVP initial	
2018 Use		SF initial		0			
			2704	1175	0		1

	Additional Gr	Springs	Groundwat	Streams + ir	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	0	0	0	0	0	0	0	0	0%	0
2017	0	0	0	0	0	0	0	0	0	0%	0
2018	5	0	0	2	5	0	0	0	2	0%	5
2019	11	0	0	4	11	0	0	0	4	0%	11
2020	16	0	0	5	16	0	0	0	5	0%	16
2021	16	0	0	5	16	0	0	0	5	0%	16
2022	16	0	0	5	16	0	0	0	5	0%	16
2023	16	0	0	5	16	0	0	0	5	0%	16
2024	16	0	0	5	16	0	0	0	5	0%	16
2025	16	0	0	5	16	0	0	0	5	0%	16
2026	16	0	0	5	16	0	0	0	5	0%	16
2027	16	0	0	5	16	0	0	0	5	0%	16
2028	16	0	0	5	16	0	0	0	5	0%	16
2029	16	0	0	5	16	0	0	0	5	0%	16
2030	16	0	0	5	16	0	0	0	5	0%	16
2031	16	0	0	5	16	0	0	0	5	0%	16
2032	16	0	0	5	16	0	0	0	5	0%	16
2033	16	0	0	5	16	0	0	0	5	0%	16
2034	16	0	0	5	16	0	0	0	5	0%	16
2035	16	0	0	5	16	0	0	0	5	0%	16
2036	16	0	0	5	16	0	0	0	5	0%	16
2037	16	0	0	5	16	0	0	0	5	0%	16
2038	16	0	0	5	16	0	0	0	5	0%	16
2039	16	0	0	5	16	0	0	0	5	0%	16
2040	16	0	0	5	16	0	0	0	5	0%	16
2041	200	0	0	68	199	0	0	0	68	3%	200
2042	417	0	0	142	415	0	0	0	142	5%	417
2043	674	0	0	229	670	0	0	0	229	9%	674
2044	976	0	0	331	970	0	0	0	331	13%	976
2045	1333	0	0	453	1326	0	0	0	453	17%	1333
2046	1755	0	0	596	1745	0	0	0	596	22%	1755
2047	2253	0	0	765	2239	0	0	0	765	29%	2253
2048	2704	0	0	964	2823	0	0	0	964	36%	2704
2049	2704	0	0	1200	3512	0	0	0	1200	45%	2704
2050	2704	0	0	1478	4326	0	0	0	1478	56%	2704
2051	2704	0	0	1525	4464	0	0	0	1525	58%	2704
2052	2704	0	0	1574	4607	0	0	0	1574	59%	2704
2053	2704	0	0	1623	4753	0	0	0	1623	61%	2704
2054	2704	0	0	1675	4903	0	0	0	1675	63%	2704
2055	2704	0	0	1727	5056	0	0	0	1727	65%	2704
2056	2704	0	0	1781	5214	0	0	0	1781	67%	2704
2057	2704	0	0	1836	5376	0	0	0	1836	69%	2704
2058	2704	0	0	1893	5542	0	0	0	1893	71%	2704
2059	2704	0	0	1951	5712	0	0	0	1951	74%	2704
2060	2704	0	0	2011	5887	0	0	0	2011	76%	2704
2061	2704	0	0	2133	6244	0	0	0	2133	81%	2704
2062	2704	0	0	2261	6619	0	0	0	2261	85%	2704
2063	2704	0	0	2396	7014	0	0	0	2396	90%	2704
2064	2704	0	0	2538	7430	0	0	0	2538	96%	2704
2065	2704	0	0	2649	7755	0	0	0	2649	100%	2704

Elk Ridge

					Growth of Wells	0.125	Af/capita
Category	AF/y			AF/y			
Recharge	3150	25-yr low stream (irr season)		0	SVP Acres		0
DW Well Righ	1467.32	25-yr low stream (year)		0	SVP Shares		0
SW Well Righ	0	Total IC Shares			AF/SVP share		1
Well Rights	1467.32	City IC Shares			Irr Acres (Table 2-3)		0
Current Pumping		AF/IC Share (low year)			Irr Shares (Richard's table)		0
Rem. Safe Yie	2403	ULS		779	Spring Capacity (Richard's table)		0
2065 Well Sup	3329.7	Reuse		0	total subarea acres		2106
		SF Total available		0	SVP initial		0
2018 Use	926.7	SF initial		0			
			2403	1575		0	1

	Additional Gr	Springs	Groundwat	Streams + irr	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	0	927	0	0	0	0	0	0	100%	-541
2017	0	0	927	0	0	0	0	0	0	100%	-541
2018	12	0	927	0	0	0	0	0	0	100%	-529
2019	25	0	927	0	0	0	0	0	0	100%	-516
2020	37	0	927	0	0	0	0	0	0	100%	-503
2021	40	0	927	0	0	0	0	0	0	100%	-500
2022	44	0	927	0	0	0	0	0	0	100%	-497
2023	47	0	927	0	0	0	0	0	0	100%	-494
2024	50	0	927	0	0	0	0	0	0	100%	-491
2025	53	0	927	0	0	779	0	0	0	100%	-487
2026	56	0	927	0	0	779	0	0	0	100%	-484
2027	60	0	927	0	0	779	0	0	0	100%	-481
2028	63	0	927	0	0	779	0	0	0	100%	-478
2029	66	0	927	0	0	779	0	0	0	100%	-474
2030	70	0	927	0	0	779	0	0	0	100%	-471
2031	79	0	927	0	0	779	0	0	0	100%	-461
2032	89	0	927	0	0	779	0	0	0	100%	-451
2033	100	0	927	0	0	779	0	0	0	100%	-441
2034	110	0	927	0	0	779	0	0	0	100%	-431
2035	121	0	927	0	0	779	0	0	0	100%	-420
2036	131	0	927	0	0	779	0	0	0	100%	-409
2037	142	0	927	0	0	779	0	0	0	100%	-398
2038	153	0	927	0	0	779	0	0	0	100%	-387
2039	165	0	927	0	0	779	0	0	0	100%	-376
2040	176	0	927	0	0	779	0	0	0	100%	-364
2041	184	0	927	0	0	779	0	0	0	100%	-357
2042	191	0	927	0	0	779	0	0	0	100%	-350
2043	198	0	927	0	0	779	0	0	0	100%	-342
2044	206	0	927	0	0	779	0	0	0	100%	-335
2045	213	0	927	0	0	779	0	0	0	100%	-327
2046	221	0	927	0	0	779	0	0	0	100%	-319
2047	229	0	927	0	0	779	0	0	0	100%	-312
2048	237	0	927	0	0	779	0	0	0	100%	-304
2049	245	0	927	0	0	779	0	0	0	100%	-296
2050	253	0	927	0	0	779	0	0	0	100%	-288
2051	261	0	927	0	0	779	0	0	0	100%	-279
2052	270	0	927	0	0	779	0	0	0	100%	-270
2053	279	0	927	0	0	779	0	0	0	100%	-262
2054	288	0	927	0	0	779	0	0	0	100%	-253
2055	297	0	927	0	0	779	0	0	0	100%	-244
2056	306	0	927	0	0	779	0	0	0	100%	-235
2057	315	0	927	0	0	779	0	0	0	100%	-225
2058	325	0	927	0	0	779	0	0	0	100%	-216
2059	334	0	927	0	0	779	0	0	0	100%	-207
2060	344	0	927	0	0	779	0	0	0	100%	-197
2061	353	0	927	0	0	779	0	0	0	100%	-187
2062	363	0	927	0	0	779	0	0	0	100%	-178
2063	373	0	927	0	0	779	0	0	0	100%	-168
2064	383	0	927	0	0	779	0	0	0	100%	-158
2065	393	0	927	0	0	779	0	0	0	100%	-148

Genola

Safe Yield 0.5 of Recharge

Category	AF/y		AF/y			8595
Recharge	1990	25-yr low stream (irr season)	0	SVP Acres		4299
DW Well Righ	994	25-yr low stream (year)	0	SVP Shares		9001
SW Well Right	0	Total IC Shares		AF/SVP share		1
Well Rights	994	City IC Shares		Irr Acres (Table 2-3)		4266
Current Pumping		AF/IC Share (low year)		Irr Shares (Richard's table)		0
Rem. Safe Yie	2105	ULS	380	Spring Capacity (Richard's table)		100
2065 Well Sup	2280.2	Reuse	0	total subarea acres		9473
		SF Total available	0	SVP initial		0
2018 Use	175.2	SF initial	0			

					2105						
	Additional Gr	Springs	Groundwat	Streams + ii	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag	land
2016	0	161	175	0	0	0	0	0	0	0%	-819
2017	0	161	175	0	0	0	0	0	0	0%	-819
2018	0	161	175	0	-1	0	0	0	0	0%	-819
2019	0	161	175	0	-2	0	0	0	0	0%	-819
2020	0	161	175	0	-4	0	0	0	0	0%	-819
2021	0	161	175	0	-5	0	0	0	0	0%	-819
2022	0	161	175	0	-6	0	0	0	0	0%	-819
2023	0	161	175	0	-7	0	0	0	0	0%	-819
2024	0	161	175	0	-8	0	0	0	0	0%	-819
2025	0	161	175	0	-9	380	0	0	0	0%	-819
2026	0	161	175	0	-10	380	0	0	0	0%	-819
2027	0	161	175	0	-12	380	0	0	0	0%	-819
2028	0	161	175	0	-13	380	0	0	0	0%	-819
2029	0	161	175	0	-14	380	0	0	0	0%	-819
2030	0	161	175	0	-15	380	0	0	0	0%	-819
2031	1	161	175	0	-11	380	0	0	0	0%	-818
2032	2	161	175	0	-7	380	0	0	0	0%	-817
2033	3	161	175	0	-3	380	0	0	0	0%	-815
2034	5	161	175	0	1	380	0	0	0	0%	-814
2035	6	161	175	0	5	380	0	0	0	0%	-813
2036	7	161	175	0	9	380	0	0	0	0%	-812
2037	8	161	175	0	13	380	0	0	0	0%	-811
2038	9	161	175	0	17	380	0	0	0	0%	-810
2039	10	161	175	0	21	380	0	0	0	0%	-808
2040	12	161	175	0	26	380	0	0	0	0%	-807
2041	22	161	175	0	64	380	0	0	0	1%	-796
2042	34	161	175	0	104	380	0	0	0	1%	-785
2043	46	161	175	0	147	380	0	0	0	2%	-773
2044	59	161	175	0	192	380	0	0	0	2%	-760
2045	72	161	175	0	239	380	0	0	0	3%	-747
2046	86	161	175	0	289	380	0	0	0	3%	-733
2047	101	161	175	0	342	380	0	0	0	4%	-718
2048	117	161	175	0	398	380	0	0	0	4%	-702
2049	134	161	175	0	457	380	0	0	0	5%	-685
2050	151	161	175	0	519	380	0	0	0	6%	-668
2051	156	161	175	0	536	380	0	0	0	6%	-663
2052	161	161	175	0	553	380	0	0	0	6%	-658
2053	166	161	175	0	570	380	0	0	0	6%	-653
2054	171	161	175	0	588	380	0	0	0	7%	-648
2055	176	161	175	0	606	380	0	0	0	7%	-643
2056	181	161	175	0	624	380	0	0	0	7%	-638
2057	186	161	175	0	643	380	0	0	0	7%	-632
2058	192	161	175	0	662	380	0	0	0	7%	-627
2059	197	161	175	0	681	380	0	0	0	8%	-622
2060	203	161	175	0	700	380	0	0	0	8%	-616
2061	214	161	175	0	741	380	0	0	0	8%	-605
2062	226	161	175	0	783	380	0	0	0	9%	-593
2063	238	161	175	0	826	380	0	0	0	9%	-580
2064	251	161	175	0	871	380	0	0	0	10%	-568
2065	264	161	175	0	916	380	0	0	0	10%	-555

Goshen

Category	AF/y			AF/y		
Recharge	1040	25-yr low stream (irr season)		0	SVP Acres	0
DW Well Righ	169.2	25-yr low stream (year)		0	SVP Shares	0
SW Well Right	0	Total IC Shares		0	AF/SVP share	1
Well Rights	169.2	City IC Shares			Irr Acres (Table 2-3)	4931
Current Pumping		AF/IC Share (low year)		4.7	Irr Shares (Richard's table)	0
Rem. Safe Yie	204	ULS		416	Spring Capacity (Richard's table)	200
2065 Well Sup	300.7	Reuse		0	total subarea acres	2339
Dry Year Volume		SF Total available		0	SVP initial	0
2018 Use	96.7	SF initial		0		
			204	520	0	1

	Additional Gr	Springs	Groundwat	Streams + i	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag	land
2016	0	323	97	0	0	0	0	0	0	0%	-73
2017	0	323	97	0	0	0	0	0	0	0%	-73
2018	2	323	97	0	0	0	0	0	0	0%	-70
2019	5	323	97	0	0	0	0	0	0	0%	-68
2020	7	323	97	0	0	0	0	0	0	1%	-65
2021	9	323	97	0	0	0	0	0	0	1%	-63
2022	11	323	97	0	0	0	0	0	0	1%	-61
2023	13	323	97	0	0	0	0	0	0	1%	-59
2024	16	323	97	0	0	0	0	0	0	1%	-57
2025	18	323	97	0	0	416	0	0	0	1%	-55
2026	20	323	97	0	0	416	0	0	0	2%	-53
2027	22	323	97	0	0	416	0	0	0	2%	-50
2028	24	323	97	0	0	416	0	0	0	2%	-48
2029	27	323	97	0	0	416	0	0	0	2%	-46
2030	29	323	97	0	0	416	0	0	0	2%	-43
2031	34	323	97	0	0	416	0	0	0	3%	-38
2032	40	323	97	0	0	416	0	0	0	3%	-33
2033	45	323	97	0	0	416	0	0	0	4%	-27
2034	51	323	97	0	0	416	0	0	0	4%	-22
2035	57	323	97	0	0	416	0	0	0	5%	-16
2036	63	323	97	0	0	416	0	0	0	5%	-9
2037	69	323	97	0	0	416	0	0	0	6%	-3
2038	76	323	97	0	0	416	0	0	0	6%	4
2039	83	323	97	0	0	416	0	0	0	7%	10
2040	90	323	97	0	0	416	0	0	0	7%	17
2041	95	323	97	0	0	416	0	0	0	8%	22
2042	100	323	97	0	0	416	0	0	0	8%	27
2043	105	323	97	0	0	416	0	0	0	9%	32
2044	110	323	97	0	0	416	0	0	0	9%	37
2045	115	323	97	0	0	416	0	0	0	9%	42
2046	120	323	97	0	0	416	0	0	0	10%	48
2047	126	323	97	0	0	416	0	0	0	10%	53
2048	131	323	97	0	0	416	0	0	0	11%	59
2049	137	323	97	0	0	416	0	0	0	11%	65
2050	143	323	97	0	0	416	0	0	0	12%	70
2051	148	323	97	0	0	416	0	0	0	12%	75
2052	153	323	97	0	0	416	0	0	0	12%	81
2053	159	323	97	0	0	416	0	0	0	13%	86
2054	164	323	97	0	0	416	0	0	0	13%	91
2055	169	323	97	0	0	416	0	0	0	14%	97
2056	175	323	97	0	0	416	0	0	0	14%	103
2057	181	323	97	0	0	416	0	0	0	14%	108
2058	187	323	97	0	0	416	0	0	0	15%	114
2059	193	323	97	0	0	416	0	0	0	15%	120
2060	199	323	97	0	0	416	0	0	0	15%	126
2061	204	323	97	0	0	416	0	0	0	16%	131
2062	204	323	97	0	0	416	0	0	0	16%	132
2063	204	323	97	0	0	416	0	0	0	17%	132
2064	204	323	97	0	0	416	0	0	0	17%	132
2065	204	323	97	0	0	416	0	0	0	17%	132

Mapleton

Category	AF/y		AF/y		6781
Recharge	2490	25-yr low stream (irr season)	731	SVP Acres	
DW Well Righ	2503	25-yr low stream (year)	1083	SVP Shares	7102
SW Well Righ	2097	Total IC Shares	2700	AF/SVP share	1
Well Rights	4600	City IC Shares	757.26	Irr Acres (Table 2-3)	
Current Pumping		AF/IC Share (low year)	1	Irr Shares (Richard's table)	2261
Rem. Safe Yie	0	ULS	1009	Spring Capacity (Richard's table)	0
2065 Well Su	3720.1	Reuse	0	total subarea acres	
Dry Year Volume		SF Total available	237	SVP initial	60
2018 Use	3720.1	SF initial	0		

					2700	1245		2700		1	
	Additional Gr	Springs	Groundwat	Streams + irr	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag	land
2016	0	0	3720	2261	60	0	0	2261	0	0%	1217
2017	0	0	3,720	2566	3239	0	0	2459	107	45%	1217
2018	0	0	3,720	2591	3501	0	0	2476	116	49%	1217
2019	0	0	3,720	2619	3784	0	0	2493	125	53%	1217
2020	0	0	3,720	2648	4091	0	0	2512	136	57%	1217
2021	0	0	3,720	2659	4208	0	0	2520	140	59%	1217
2022	0	0	3,720	2671	4328	0	0	2527	144	61%	1217
2023	0	0	3,720	2683	4451	0	0	2535	148	62%	1217
2024	0	0	3,720	2695	4578	0	0	2543	152	64%	1217
2025	0	0	3,720	2707	4709	1009	0	2551	156	66%	1217
2026	0	0	3,720	2720	4843	1009	0	2559	161	68%	1217
2027	0	0	3,720	2733	4982	1009	0	2568	166	70%	1217
2028	0	0	3,720	2747	5124	1009	0	2577	170	72%	1217
2029	0	0	3,720	2761	5271	1009	0	2586	175	74%	1217
2030	0	0	3,720	2776	5421	1009	0	2595	180	76%	1217
2031	0	0	3,720	2785	5519	1009	0	2601	184	78%	1217
2032	0	0	3,720	2795	5618	1009	0	2607	187	79%	1217
2033	0	0	3,720	2804	5719	1009	0	2614	190	80%	1217
2034	0	0	3,720	2814	5821	1009	0	2620	194	82%	1217
2035	0	0	3,720	2824	5926	1009	0	2627	197	83%	1217
2036	0	0	3,720	2834	6032	1009	0	2633	201	85%	1217
2037	0	0	3,720	2845	6141	1009	0	2640	205	86%	1217
2038	0	0	3,720	2855	6251	1009	0	2647	208	88%	1217
2039	0	0	3,720	2866	6363	1009	0	2654	212	90%	1217
2040	0	0	3,720	2877	6478	1009	0	2661	216	91%	1217
2041	0	0	3,720	2883	6540	1009	0	2665	218	92%	1217
2042	0	0	3,720	2889	6603	1009	0	2669	220	93%	1217
2043	0	0	3,720	2895	6666	1009	0	2673	222	94%	1217
2044	0	0	3,720	2901	6730	1009	0	2677	224	95%	1217
2045	0	0	3,720	2908	6795	1009	0	2681	227	96%	1217
2046	0	0	3,720	2914	6860	1009	0	2685	229	97%	1217
2047	0	0	3,720	2920	6926	1009	0	2689	231	98%	1217
2048	0	0	3,720	2927	6992	1009	0	2693	233	98%	1217
2049	0	0	3,720	2933	7060	1009	0	2697	236	99%	1217
2050	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2051	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2052	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2053	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2054	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2055	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2056	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2057	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2058	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2059	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2060	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2061	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2062	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2063	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2064	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217
2065	0	0	3,720	2937	7102	1009	0	2700	237	100%	1217

Payson

Category	AF/y			AF/y			
Recharge	7490	25-yr low stream (irr season)		2675	SVP Acres		7746
DW Well Righ	3935	25-yr low stream (year)		3769	SVP Shares		15529
SW Well Righ	0	Total IC Shares		228.9	AF/SVP share		1
Well Rights	3935	City IC Shares			Irr Acres (Table 2-3)		10180
Current Pumping		AF/IC Share (low year)		1	Irr Shares (Richard's table)		0
Rem. Safe Yie	5035	ULS		5051	Spring Capacity (Richard's table)		700
2065 Well Su	7020.6	Reuse		0	total subarea acres		19987
Dry Year Volu	2674	SF Total available		1939	SVP initial		3790
2018 Use	1985.6	SF initial		0			

					2590	3745	174.6667	229		1	
	Additional Gr	Springs	Groundwat	Streams + i	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	1129	1986	2903	3790	0	0	2903	0	0%	-1949
2017	0	1129	1,986	2903	3790	0	864	2903	0	0%	-1949
2018	102	1129	1,986	2929	3950	0	1039	2903	26	1%	-1848
2019	208	1129	1,986	2957	4116	0	1213	2903	54	3%	-1742
2020	318	1129	1,986	2985	4289	0	1388	2903	82	4%	-1631
2021	404	1129	1,986	3008	4423	0	1563	2903	105	5%	-1545
2022	493	1129	1,986	3030	4562	0	1737	2903	128	7%	-1457
2023	584	1129	1,986	3054	4706	0	1912	2903	151	8%	-1366
2024	678	1129	1,986	3079	4853	0	2087	2903	176	9%	-1272
2025	775	1129	1,986	3104	5005	5051	2261	2903	201	10%	-1175
2026	875	1129	1,986	3130	5162	5051	2436	2903	227	12%	-1075
2027	978	1129	1,986	3156	5323	5051	2611	2903	253	13%	-972
2028	1084	1129	1,986	3184	5490	5051	2785	2903	281	14%	-865
2029	1193	1129	1,986	3212	5662	5051	2960	2903	309	16%	-756
2030	1306	1129	1,986	3241	5838	5051	3135	2903	338	17%	-643
2031	1438	1129	1,986	3275	6046	5051	3309	2903	373	19%	-511
2032	1575	1129	1,986	3311	6260	5051	3484	2903	408	21%	-374
2033	1716	1129	1,986	3348	6482	5051	3659	2903	445	23%	-233
2034	1863	1129	1,986	3385	6711	5051	3833	2903	483	25%	-87
2035	2014	1129	1,986	3425	6949	5051	4008	2903	522	27%	65
2036	2171	1129	1,986	3465	7195	5051	4183	2903	562	29%	222
2037	2333	1129	1,986	3507	7449	5051	4532	2903	604	31%	384
2038	2501	1129	1,986	3551	7712	5051	4532	2903	648	33%	552
2039	2675	1129	1,986	3596	7985	5051	4532	2903	693	36%	725
2040	2855	1129	1,986	3642	8267	5051	4532	2903	739	38%	905
2041	3082	1129	1,986	3701	8624	5051	4532	2903	798	41%	1133
2042	3320	1129	1,986	3763	8997	5051	4532	2903	860	44%	1371
2043	3568	1129	1,986	3827	9385	5051	4532	2903	924	48%	1618
2044	3826	1129	1,986	3894	9790	5051	4532	2903	991	51%	1877
2045	4095	1129	1,986	3694	10213	5051	4532	2634	1061	55%	2146
2046	4376	1129	1,986	3486	10653	5051	4532	2353	1134	58%	2427
2047	4669	1129	1,986	3269	11112	5051	4532	2060	1209	62%	2720
2048	4974	1129	1,986	3043	11591	5051	4532	1755	1289	66%	3025
2049	5035	1129	1,986	3065	12090	5051	4532	1694	1371	71%	3086
2050	5035	1129	1,986	3151	12611	5051	4532	1694	1457	75%	3086
2051	5035	1129	1,986	3195	12879	5051	4532	1694	1501	77%	3086
2052	5035	1129	1,986	3240	13153	5051	4532	1694	1546	80%	3086
2053	5035	1129	1,986	3287	13432	5051	4532	1694	1593	82%	3086
2054	5035	1129	1,986	3334	13718	5051	4532	1694	1640	85%	3086
2055	5035	1129	1,986	3382	14010	5051	4532	1694	1688	87%	3086
2056	5035	1129	1,986	3431	14307	5051	4532	1694	1737	90%	3086
2057	5035	1129	1,986	3481	14611	5051	4532	1694	1787	92%	3086
2058	5035	1129	1,986	3533	14922	5051	4532	1694	1839	95%	3086
2059	5035	1129	1,986	3585	15239	5051	4532	1694	1891	98%	3086
2060	5035	1129	1,986	3633	15529	5051	4532	1694	1939	100%	3086
2061	5035	1129	1,986	3633	15529	5051	4532	1694	1939	100%	3086
2062	5035	1129	1,986	3633	15529	5051	4532	1694	1939	100%	3086
2063	5035	1129	1,986	3633	15529	5051	4532	1694	1939	100%	3086
2064	5035	1129	1,986	3633	15529	5051	4532	1694	1939	100%	3086
2065	5035	1129	1,986	3633	15529	5051	4532	1694	1939	100%	3086

Salem

Category	AF/y		AF/y		
Recharge	6180	25-yr low stream (irr season)	0	SVP Acres	2656
DW Well Righ	2669	25-yr low stream (year)	0	SVP Shares	5033
SW Well Right	0	Total IC Shares	367.8	AF/SVP share	1
Well Rights	2669	City IC Shares		Irr Acres (Table 2-3)	3528
Current Pumping		AF/IC Share (low year)	1	Irr Shares (Richard's table)	0
Rem. Safe Yie	4887	ULS	889	Spring Capacity (Richard's table)	160
2065 Well Sup	5923.1	Reuse	0	total subarea acres	8956
		SF Total available	2644	SVP initial	754.1
2018 Use	1036.1	SF initial	684		

					5255	3090		368		1	
	Additional Gr	Springs	Groundwat	Streams + i	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	258	1036	684	754	0	0	0	684	0%	-1633
2017	0	258	1,036	684	754	0	0	0	684	0%	-1633
2018	117	258	1,036	789	946	0	0	17	772	4%	-1516
2019	246	258	1,036	905	1160	0	0	35	870	9%	-1387
2020	391	258	1,036	1035	1399	0	0	55	979	15%	-1242
2021	484	258	1,036	1118	1553	0	0	69	1050	19%	-1149
2022	583	258	1,036	1207	1716	0	0	83	1125	22%	-1050
2023	689	258	1,036	1302	1891	0	0	98	1205	27%	-944
2024	802	258	1,036	1403	2077	0	0	114	1290	31%	-831
2025	922	258	1,036	1511	2275	889	0	131	1381	36%	-711
2026	1050	258	1,036	1626	2486	889	0	149	1477	40%	-583
2027	1186	258	1,036	1749	2711	889	0	168	1580	46%	-446
2028	1332	258	1,036	1879	2951	889	0	189	1690	51%	-301
2029	1487	258	1,036	2018	3207	889	0	211	1807	57%	-146
2030	1652	258	1,036	2166	3479	889	0	234	1932	64%	19
2031	1795	258	1,036	2295	3715	889	0	255	2040	69%	162
2032	1946	258	1,036	2430	3964	889	0	276	2154	75%	313
2033	2105	258	1,036	2573	4226	889	0	298	2274	81%	472
2034	2272	258	1,036	2723	4502	889	0	322	2401	88%	639
2035	2448	258	1,036	2881	4792	889	0	347	2534	94%	815
2036	2634	258	1,036	3012	5033	889	0	368	2644	100%	1001
2037	2829	258	1,036	2852	5033	889	0	208	2644	100%	1196
2038	3035	258	1,036	2646	5033	889	0	2	2644	100%	1402
2039	3252	258	1,036	2427	5033	889	0	0	2427	100%	1619
2040	3481	258	1,036	2198	5033	889	0	0	2198	100%	1848
2041	3618	258	1,036	2061	5033	889	0	0	2061	100%	1986
2042	3760	258	1,036	1919	5033	889	0	0	1919	100%	2127
2043	3906	258	1,036	1773	5033	889	0	0	1773	100%	2274
2044	4057	258	1,036	1622	5033	889	0	0	1622	100%	2424
2045	4212	258	1,036	1467	5033	889	0	0	1467	100%	2579
2046	4372	258	1,036	1307	5033	889	0	0	1307	100%	2739
2047	4537	258	1,036	1142	5033	889	0	0	1142	100%	2904
2048	4707	258	1,036	972	5033	889	0	0	972	100%	3074
2049	4882	258	1,036	797	5033	889	0	0	797	100%	3249
2050	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2051	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2052	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2053	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2054	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2055	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2056	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2057	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2058	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2059	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2060	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2061	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2062	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2063	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2064	4887	258	1,036	792	5033	889	0	0	792	100%	3254
2065	4887	258	1,036	792	5033	889	0	0	792	100%	3254

Santaquin

Category	AF/y			AF/y			4104
Recharge	7770	25-yr low stream (irr season)		2500	SVP Acres		1978
DW Well Righ	2721	25-yr low stream (year)		3544	SVP Shares		4298
SW Well Right	0	Total IC Shares		2103	AF/SVP share		1
Well Rights	2721	City IC Shares		670	Irr Acres (Table 2-3)		3497
Current Pumping		AF/IC Share (low year)		3	Irr Shares (Richard's table)		2010
Rem. Safe Yie	6742	ULS		889	Spring Capacity (Richard's table)		800
2065 Well Sup	7805.1	Reuse		5303	total subarea acres		12081
Dry Year Volume		SF Total available		0	SVP initial		0
2018 Use	1063.1	SF initial		0	140		
			13051	3885	140	6309	1

	Additional Gr	Springs	Groundwat	Streams + ir	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	1290	1063	2010	0	0	400	2010	0	0%	-1658
2017	0	1290	1063	2010	0	0	540	2010	0	0%	-1658
2018	101	1290	1063	2178	168	0	680	2178	0	4%	-1557
2019	209	1290	1063	2359	349	0	820	2359	0	8%	-1449
2020	324	1290	1063	2551	541	0	960	2551	0	13%	-1334
2021	377	1290	1063	2641	631	0	1100	2641	0	15%	-1281
2022	433	1290	1063	2733	723	0	1241	2733	0	17%	-1225
2023	489	1290	1063	2828	818	0	1381	2828	0	19%	-1168
2024	548	1290	1063	2926	916	0	1521	2926	0	21%	-1110
2025	608	1290	1063	3027	1017	889	1661	3027	0	24%	-1049
2026	671	1290	1063	3131	1121	889	1801	3131	0	26%	-987
2027	735	1290	1063	3238	1228	889	1941	3238	0	29%	-923
2028	801	1290	1063	3349	1338	889	2081	3349	0	31%	-857
2029	869	1290	1063	3462	1452	889	2221	3462	0	34%	-789
2030	939	1290	1063	3579	1569	889	2361	3579	0	37%	-719
2031	1048	1290	1063	3763	1752	889	2501	3763	0	41%	-609
2032	1163	1290	1063	3955	1944	889	2641	3955	0	45%	-495
2033	1283	1290	1063	4155	2145	889	2781	4155	0	50%	-375
2034	1408	1290	1063	4365	2354	889	2922	4365	0	55%	-249
2035	1540	1290	1063	4584	2574	889	3062	4584	0	60%	-118
2036	1677	1290	1063	4813	2803	889	3202	4813	0	65%	19
2037	1820	1290	1063	5053	3043	889	3342	5053	0	71%	162
2038	1970	1290	1063	5304	3293	889	3482	5304	0	77%	312
2039	2127	1290	1063	5566	3556	889	3622	5566	0	83%	469
2040	2291	1290	1063	5841	3830	889	3762	5841	0	89%	633
2041	2415	1290	1063	6048	4037	889	3902	6048	0	94%	757
2042	2543	1290	1063	6262	4251	889	4042	6262	0	99%	885
2043	2675	1290	1063	6309	4298	889	4182	6309	0	100%	1017
2044	2812	1290	1063	6218	4298	889	4322	6218	0	100%	1154
2045	2953	1290	1063	6077	4298	889	4462	6077	0	100%	1295
2046	3099	1290	1063	5931	4298	889	4603	5931	0	100%	1441
2047	3250	1290	1063	5780	4298	889	4743	5780	0	100%	1592
2048	3405	1290	1063	5625	4298	889	4883	5625	0	100%	1747
2049	3566	1290	1063	5464	4298	889	5023	5464	0	100%	1908
2050	3732	1290	1063	5298	4298	889	5163	5298	0	100%	2074
2051	3852	1290	1063	5178	4298	889	5303	5178	0	100%	2194
2052	3975	1290	1063	5055	4298	889	5303	5055	0	100%	2317
2053	4101	1290	1063	4929	4298	889	5303	4929	0	100%	2443
2054	4229	1290	1063	4801	4298	889	5303	4801	0	100%	2571
2055	4361	1290	1063	4669	4298	889	5303	4669	0	100%	2703
2056	4495	1290	1063	4535	4298	889	5303	4535	0	100%	2838
2057	4633	1290	1063	4397	4298	889	5303	4397	0	100%	2975
2058	4774	1290	1063	4256	4298	889	5303	4256	0	100%	3116
2059	4918	1290	1063	4112	4298	889	5303	4112	0	100%	3260
2060	5066	1290	1063	3964	4298	889	5303	3964	0	100%	3408
2061	5199	1290	1063	3831	4298	889	5303	3831	0	100%	3541
2062	5335	1290	1063	3695	4298	889	5303	3695	0	100%	3677
2063	5474	1290	1063	3556	4298	889	5303	3556	0	100%	3816
2064	5615	1290	1063	3415	4298	889	5303	3415	0	100%	3957
2065	5760	1290	1063	3271	4298	889	5303	3271	0	100%	4102

Spanish Fork

Category	AF/y		AF/y			6180
Recharge	5200	25-yr low stream (irr season)	56260	SVP Acres		4413
DW Well Righ	10468	25-yr low stream (year)	66682	SVP Shares		6472
SW Well Righ	0	Total IC Shares	1436	AF/SVP share		1
Well Rights	10468	City IC Shares		Irr Acres (Table 2-3)		6948
Current Pumping		AF/IC Share (low year)	1	Irr Shares (Richard's table)		0
Rem. Safe Yie	7641	ULS	7820	Spring Capacity (Richard's table)		6020
2065 Well Su	9089.8	Reuse	0	total subarea acres		15987
		SF Total available	2888	SVP initial		3246
2018 Use	1448.8	SF initial	425			
			9077	2600	1436	1

	Additional Gr	Springs	Groundwat	Streams + i	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	9710	1449	425	3246	0	0	0	425	0%	-9019
2017	0	9710	1449	425	3246	0	0	0	425	0%	-9019
2018	214	9710	1449	588	3381	0	0	60	528	4%	-8806
2019	436	9710	1449	758	3522	0	0	123	635	9%	-8583
2020	669	9710	1449	935	3668	0	0	188	747	13%	-8350
2021	822	9710	1449	1052	3765	0	0	231	821	16%	-8198
2022	979	9710	1449	1172	3864	0	0	275	897	19%	-8040
2023	1140	9710	1449	1295	3966	0	0	320	975	22%	-7879
2024	1306	9710	1449	1422	4071	0	0	367	1055	26%	-7713
2025	1476	9710	1449	1552	4178	7820	0	415	1137	29%	-7543
2026	1651	9710	1449	1685	4289	7820	0	464	1221	32%	-7368
2027	1831	9710	1449	1822	4402	7820	0	515	1308	36%	-7188
2028	2015	9710	1449	1963	4519	7820	0	567	1397	39%	-7004
2029	2205	9710	1449	2108	4639	7820	0	620	1488	43%	-6814
2030	2400	9710	1449	2257	4762	7820	0	675	1582	47%	-6619
2031	2627	9710	1449	2430	4905	7820	0	738	1692	51%	-6392
2032	2861	9710	1449	2609	5053	7820	0	804	1805	56%	-6158
2033	3103	9710	1449	2793	5205	7820	0	872	1921	61%	-5916
2034	3352	9710	1449	2983	5363	7820	0	942	2041	66%	-5667
2035	3609	9710	1449	3179	5525	7820	0	1014	2165	71%	-5411
2036	3873	9710	1449	3381	5692	7820	0	1089	2292	76%	-5146
2037	4146	9710	1449	3589	5864	7820	0	1165	2424	81%	-4873
2038	4427	9710	1449	3804	6042	7820	0	1244	2560	87%	-4592
2039	4717	9710	1449	4025	6225	7820	0	1326	2699	92%	-4302
2040	5017	9710	1449	4254	6414	7820	0	1410	2843	98%	-4003
2041	5178	9710	1449	4324	6472	7820	0	1436	2888	100%	-3841
2042	5343	9710	1449	4324	6472	7820	0	1436	2888	100%	-3676
2043	5510	9710	1449	4324	6472	7820	0	1436	2888	100%	-3509
2044	5680	9710	1449	4324	6472	7820	0	1436	2888	100%	-3340
2045	5852	9710	1449	4324	6472	7820	0	1436	2888	100%	-3167
2046	6028	9710	1449	4324	6472	7820	0	1436	2888	100%	-2992
2047	6206	9710	1449	4324	6472	7820	0	1436	2888	100%	-2813
2048	6387	9710	1449	4324	6472	7820	0	1436	2888	100%	-2632
2049	6571	9710	1449	4324	6472	7820	0	1436	2888	100%	-2448
2050	6758	9710	1449	4324	6472	7820	0	1436	2888	100%	-2261
2051	6964	9710	1449	4324	6472	7820	0	1436	2888	100%	-2056
2052	7172	9710	1449	4324	6472	7820	0	1436	2888	100%	-1847
2053	7385	9710	1449	4324	6472	7820	0	1436	2888	100%	-1634
2054	7601	9710	1449	4324	6472	7820	0	1436	2888	100%	-1418
2055	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2056	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2057	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2058	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2059	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2060	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2061	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2062	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2063	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378
2064	7641	9710	1449	4324	6472	7820	0	1436	2888	100%	-1378

Springville

Category	AF/y		AF/y		
Recharge	11530	25-yr low stream (irr season)	5391	SVP Acres	4490
DW Well Righ	15840	25-yr low stream (year)	9428	SVP Shares	4702
SW Well Right	0	Total IC Shares	3891.28	AF/SVP share	1
Well Rights	15840	City IC Shares		Irr Acres (Table 2-3)	
Current Pumping		AF/IC Share (low year)	4	Irr Shares (Richard's table)	1127
Rem. Safe Yie	10498	ULS	5448	Spring Capacity (Richard's table)	3365
2065 Well Sup	15316.6	Reuse	0	total subarea acres	
Dry Year Volu	4043	SF Total available	224	SVP initial	1970
2018 Use	4818.6	SF initial	0		
			22020	5765	15565	1

	Additional Gr	Springs	Groundwat	Streams + irr	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	5428	4819	1127	1970	0	0	1127	0	0%	-11021
2017	0	5428	4,819	1127	1970	0	0	1127	0	0%	-11021
2018	178	5428	4,819	1127	1970	0	0	1127	0	0%	-10843
2019	364	5428	4,819	1127	1970	0	0	1127	0	0%	-10657
2020	558	5428	4,819	2531	2232	0	0	2509	21	10%	-10463
2021	678	5428	4,819	3402	2394	0	0	3367	35	16%	-10343
2022	802	5428	4,819	4295	2560	0	0	4246	48	22%	-10220
2023	928	5428	4,819	5211	2731	0	0	5148	62	28%	-10093
2024	1058	5428	4,819	6150	2906	0	0	6073	77	34%	-9964
2025	1191	5428	4,819	7113	3086	5448	0	7022	91	41%	-9831
2026	1327	5428	4,819	8101	3270	5448	0	7994	107	48%	-9694
2027	1467	5428	4,819	9114	3458	5448	0	8992	122	54%	-9554
2028	1611	5428	4,819	10153	3652	5448	0	10015	138	62%	-9411
2029	1758	5428	4,819	11218	3850	5448	0	11064	154	69%	-9264
2030	1909	5428	4,819	12310	4054	5448	0	12139	171	76%	-9113
2031	2019	5428	4,819	13111	4203	5448	0	12928	183	82%	-9002
2032	2132	5428	4,819	13927	4355	5448	0	13731	196	87%	-8890
2033	2246	5428	4,819	14757	4510	5448	0	14549	208	93%	-8775
2034	2363	5428	4,819	15603	4668	5448	0	15382	221	99%	-8658
2035	2482	5428	4,819	15789	4702	5448	0	15565	224	100%	-8539
2036	2603	5428	4,819	15789	4702	5448	0	15565	224	100%	-8418
2037	2727	5428	4,819	15789	4702	5448	0	15565	224	100%	-8295
2038	2852	5428	4,819	15789	4702	5448	0	15565	224	100%	-8169
2039	2980	5428	4,819	15789	4702	5448	0	15565	224	100%	-8042
2040	3110	5428	4,819	15789	4702	5448	0	15565	224	100%	-7911
2041	3156	5428	4,819	15789	4702	5448	0	15565	224	100%	-7865
2042	3202	5428	4,819	15789	4702	5448	0	15565	224	100%	-7819
2043	3249	5428	4,819	15789	4702	5448	0	15565	224	100%	-7772
2044	3296	5428	4,819	15789	4702	5448	0	15565	224	100%	-7725
2045	3343	5428	4,819	15789	4702	5448	0	15565	224	100%	-7678
2046	3391	5428	4,819	15789	4702	5448	0	15565	224	100%	-7630
2047	3439	5428	4,819	15789	4702	5448	0	15565	224	100%	-7582
2048	3487	5428	4,819	15789	4702	5448	0	15565	224	100%	-7534
2049	3536	5428	4,819	15789	4702	5448	0	15565	224	100%	-7486
2050	3584	5428	4,819	15789	4702	5448	0	15565	224	100%	-7437
2051	3670	5428	4,819	15789	4702	5448	0	15565	224	100%	-7352
2052	3756	5428	4,819	15789	4702	5448	0	15565	224	100%	-7266
2053	3843	5428	4,819	15789	4702	5448	0	15565	224	100%	-7179
2054	3931	5428	4,819	15789	4702	5448	0	15565	224	100%	-7090
2055	4020	5428	4,819	15789	4702	5448	0	15565	224	100%	-7001
2056	4110	5428	4,819	15789	4702	5448	0	15565	224	100%	-6911
2057	4201	5428	4,819	15789	4702	5448	0	15565	224	100%	-6820
2058	4293	5428	4,819	15789	4702	5448	0	15565	224	100%	-6728
2059	4386	5428	4,819	15789	4702	5448	0	15565	224	100%	-6635
2060	4480	5428	4,819	15789	4702	5448	0	15565	224	100%	-6541
2061	4530	5428	4,819	15789	4702	5448	0	15565	224	100%	-6492
2062	4579	5428	4,819	15789	4702	5448	0	15565	224	100%	-6442
2063	4629	5428	4,819	15789	4702	5448	0	15565	224	100%	-6392
2064	4680	5428	4,819	15789	4702	5448	0	15565	224	100%	-6342
2065	4731	5428	4,819	15789	4702	5448	0	15565	224	100%	-6291

Woodland Hills

Category	AF/y		AF/y		
Recharge	2050	25-yr low stream (irr season)	0	SVP Acres	0
DW Well Righ	733	25-yr low stream (year)	0	SVP Shares	0
SW Well Right	0	Total IC Shares		AF/SVP share	1
Well Rights	733	City IC Shares		Irr Acres (Table 2-3)	0
Current Pumping		AF/IC Share (low year)		Irr Shares (Richard's table)	0
Rem. Safe Yie	2165	ULS	410	Spring Capacity (Richard's table)	0
2065 Well Sup	2481.7	Reuse	0	total subarea acres	1649
		SF Total available	0	SVP initial	0
2018 Use	316.7	SF initial	0		

					2165	1025		0		1	
	Additional Gr	Springs	Groundwat	Streams + i	Strawberry	ULS	Reuse	Irr. Shares	SF River	Converted Ag land	
2016	0	0	317	0	0	0	0	0	0	100%	-416
2017	0	0	317	0	0	0	0	0	0	100%	-416
2018	6	0	317	0	0	0	0	0	0	100%	-410
2019	12	0	317	0	0	0	0	0	0	100%	-404
2020	18	0	317	0	0	0	0	0	0	100%	-398
2021	20	0	317	0	0	0	0	0	0	100%	-396
2022	21	0	317	0	0	0	0	0	0	100%	-395
2023	23	0	317	0	0	0	0	0	0	100%	-393
2024	25	0	317	0	0	0	0	0	0	100%	-392
2025	26	0	317	0	0	410	0	0	0	100%	-390
2026	28	0	317	0	0	410	0	0	0	100%	-388
2027	29	0	317	0	0	410	0	0	0	100%	-387
2028	31	0	317	0	0	410	0	0	0	100%	-385
2029	33	0	317	0	0	410	0	0	0	100%	-383
2030	35	0	317	0	0	410	0	0	0	100%	-382
2031	37	0	317	0	0	410	0	0	0	100%	-379
2032	39	0	317	0	0	410	0	0	0	100%	-377
2033	42	0	317	0	0	410	0	0	0	100%	-375
2034	44	0	317	0	0	410	0	0	0	100%	-372
2035	46	0	317	0	0	410	0	0	0	100%	-370
2036	49	0	317	0	0	410	0	0	0	100%	-368
2037	51	0	317	0	0	410	0	0	0	100%	-365
2038	54	0	317	0	0	410	0	0	0	100%	-363
2039	56	0	317	0	0	410	0	0	0	100%	-360
2040	59	0	317	0	0	410	0	0	0	100%	-358
2041	61	0	317	0	0	410	0	0	0	100%	-355
2042	63	0	317	0	0	410	0	0	0	100%	-353
2043	65	0	317	0	0	410	0	0	0	100%	-351
2044	68	0	317	0	0	410	0	0	0	100%	-349
2045	70	0	317	0	0	410	0	0	0	100%	-346
2046	72	0	317	0	0	410	0	0	0	100%	-344
2047	74	0	317	0	0	410	0	0	0	100%	-342
2048	77	0	317	0	0	410	0	0	0	100%	-340
2049	79	0	317	0	0	410	0	0	0	100%	-337
2050	82	0	317	0	0	410	0	0	0	100%	-335
2051	84	0	317	0	0	410	0	0	0	100%	-333
2052	86	0	317	0	0	410	0	0	0	100%	-331
2053	88	0	317	0	0	410	0	0	0	100%	-328
2054	90	0	317	0	0	410	0	0	0	100%	-326
2055	92	0	317	0	0	410	0	0	0	100%	-324
2056	94	0	317	0	0	410	0	0	0	100%	-322
2057	96	0	317	0	0	410	0	0	0	100%	-320
2058	99	0	317	0	0	410	0	0	0	100%	-318
2059	101	0	317	0	0	410	0	0	0	100%	-315
2060	103	0	317	0	0	410	0	0	0	100%	-313
2061	105	0	317	0	0	410	0	0	0	100%	-311
2062	107	0	317	0	0	410	0	0	0	100%	-309
2063	109	0	317	0	0	410	0	0	0	100%	-307
2064	111	0	317	0	0	410	0	0	0	100%	-305
2065	114	0	317	0	0	410	0	0	0	100%	-303

APPENDIX D

MONTHLY WATER SUPPLY & DEMAND TABLES FOR CITIES

BENJAMIN/LAKESHORE

Explanation of Supply and Demand Tables – Benjamin (unincorporated)

Benjamin Table 1: Springs. Not applicable.

Benjamin Table 2: ULS. Since this city has not yet been created, it has not been designated to receive ULS water.

Benjamin Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the assumed future boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Benjamin Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Benjamin Table 5: Groundwater. The initial groundwater supply is based on the current number of ERCs within the assumed future boundary. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Benjamin Table 6: Reuse. There is no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised if a reuse application is filed and approved in the future.

Benjamin Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Benjamin Table 8: Spanish Fork River. The current available volume was estimated based on the allocation of river flows from the 1977 Spanish Fork River Commissioner Report and shares of Spanish Fork river companies within the assumed future city boundary. River companies share volumes were allocated on how the river companies' boundaries overlay the assumed future boundary. The 2065 volume was calculated based on anticipated future conversion of river companies shares from agricultural use to municipal use.

Benjamin Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. Spanish Fork River flows delivered from the river companies are not included in these volumes but are included in Table 8. Irrigation share volumes were allocated based on how the irrigation company boundaries overlay the assumed future boundary. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Benjamin Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Benjamin, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Benjamin Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Benjamin, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Benjamin Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Benjamin Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Benjamin Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Benjamin Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Benjamin Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Benjamin Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Benjamin Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Benjamin Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Benjamin Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Benjamin Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Benjamin Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Benjamin Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Benjamin Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Benjamin Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Benjamin Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Benjamin Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Benjamin Table 1

Benjamin													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Benjamin Table 2

Benjamin													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Benjamin Table 3

Benjamin													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	1	1	1	1	0	0	0	0	5
2019	0	0	0	0	1	3	2	3	1	0	0	0	11
2020	0	0	0	0	2	4	3	4	1	0	0	0	16
2021	0	0	0	0	2	4	3	4	1	0	0	0	16
2022	0	0	0	0	2	4	3	4	1	0	0	0	16
2023	0	0	0	0	2	4	3	4	1	0	0	0	16
2024	0	0	0	0	2	4	3	4	1	0	0	0	16
2025	0	0	0	0	2	4	3	4	1	0	0	0	16
2026	0	0	0	0	2	4	3	4	1	0	0	0	16
2027	0	0	0	0	2	4	3	4	1	0	0	0	16
2028	0	0	0	0	2	4	3	4	1	0	0	0	16
2029	0	0	0	0	2	4	3	4	1	0	0	0	16
2030	0	0	0	0	2	4	3	4	1	0	0	0	16
2031	0	0	0	0	2	4	3	4	1	0	0	0	16
2032	0	0	0	0	2	4	3	4	1	0	0	0	16
2033	0	0	0	0	2	4	3	4	1	0	0	0	16
2034	0	0	0	0	2	4	3	4	1	0	0	0	16
2035	0	0	0	0	2	4	3	4	1	0	0	0	16
2036	0	0	0	0	2	4	3	4	1	0	0	0	16
2037	0	0	0	0	2	4	3	4	1	0	0	0	16
2038	0	0	0	0	2	4	3	4	1	0	0	0	16
2039	0	0	0	0	2	4	3	4	1	0	0	0	16
2040	0	0	0	0	2	4	3	4	1	0	0	0	16
2041	0	0	0	4	20	56	42	53	19	6	0	0	199
2042	0	0	0	9	41	116	87	111	39	12	0	0	415
2043	0	0	0	15	66	187	140	178	63	20	0	0	670
2044	0	0	0	21	96	272	203	259	91	29	0	0	970
2045	0	0	0	29	131	371	277	353	124	39	0	0	1,326
2046	0	0	0	38	173	488	365	465	163	52	0	0	1,745
2047	0	0	0	49	222	627	469	597	210	66	0	0	2,239
2048	0	0	0	62	280	790	591	752	264	83	0	0	2,823
2049	0	0	0	77	348	983	735	936	329	104	0	0	3,512
2050	0	0	0	95	429	1,211	905	1,153	405	128	0	0	4,326
2051	0	0	0	98	442	1,250	934	1,190	418	132	0	0	4,464
2052	0	0	0	101	457	1,290	964	1,228	431	136	0	0	4,607
2053	0	0	0	105	471	1,331	994	1,267	445	141	0	0	4,753
2054	0	0	0	108	486	1,372	1,026	1,306	459	145	0	0	4,903
2055	0	0	0	111	501	1,416	1,058	1,347	473	149	0	0	5,056
2056	0	0	0	115	517	1,460	1,091	1,389	488	154	0	0	5,214
2057	0	0	0	118	533	1,505	1,125	1,433	503	159	0	0	5,376
2058	0	0	0	122	549	1,551	1,160	1,477	519	164	0	0	5,542
2059	0	0	0	126	566	1,599	1,195	1,522	535	169	0	0	5,712
2060	0	0	0	130	583	1,648	1,232	1,569	551	174	0	0	5,887
2061	0	0	0	138	619	1,748	1,306	1,664	585	185	0	0	6,244
2062	0	0	0	146	656	1,853	1,385	1,764	620	196	0	0	6,619
2063	0	0	0	155	695	1,964	1,468	1,869	657	207	0	0	7,014
2064	0	0	0	164	736	2,080	1,555	1,980	696	220	0	0	7,430
2065	0	0	0	171	769	2,171	1,623	2,067	726	229	0	0	7,755

Benjamin Table 4

Benjamin													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	2
2019	0	0	0	1	1	1	1	0	0	0	0	0	4
2020	0	0	1	1	1	1	1	0	0	0	0	0	5
2021	0	0	1	1	1	1	1	0	0	0	0	0	5
2022	0	0	1	1	1	1	1	0	0	0	0	0	5
2023	0	0	1	1	1	1	1	0	0	0	0	0	5
2024	0	0	1	1	1	1	1	0	0	0	0	0	5
2025	0	0	1	1	1	1	1	0	0	0	0	0	5
2026	0	0	1	1	1	1	1	0	0	0	0	0	5
2027	0	0	1	1	1	1	1	0	0	0	0	0	5
2028	0	0	1	1	1	1	1	0	0	0	0	0	5
2029	0	0	1	1	1	1	1	0	0	0	0	0	5
2030	0	0	1	1	1	1	1	0	0	0	0	0	5
2031	0	0	1	1	1	1	1	0	0	0	0	0	5
2032	0	0	1	1	1	1	1	0	0	0	0	0	5
2033	0	0	1	1	1	1	1	0	0	0	0	0	5
2034	0	0	1	1	1	1	1	0	0	0	0	0	5
2035	0	0	1	1	1	1	1	0	0	0	0	0	5
2036	0	0	1	1	1	1	1	0	0	0	0	0	5
2037	0	0	1	1	1	1	1	0	0	0	0	0	5
2038	0	0	1	1	1	1	1	0	0	0	0	0	5
2039	0	0	1	1	1	1	1	0	0	0	0	0	5
2040	0	0	1	1	1	1	1	0	0	0	0	0	5
2041	0	0	8	18	11	10	9	6	5	1	0	0	68
2042	0	0	16	37	22	21	20	12	10	3	0	0	142
2043	0	0	26	60	36	34	32	20	16	5	0	0	229
2044	0	0	37	87	52	50	46	29	23	7	0	0	331
2045	0	0	51	119	71	68	63	40	32	10	0	0	453
2046	0	0	67	156	93	90	83	53	42	13	0	0	596
2047	0	0	86	200	119	115	106	67	54	16	0	0	765
2048	0	0	109	253	150	145	134	85	68	20	0	0	964
2049	0	0	136	314	187	180	167	106	85	25	0	0	1,200
2050	0	0	167	387	230	222	206	130	104	31	0	0	1,478
2051	0	0	172	399	238	229	212	134	108	32	0	0	1,525
2052	0	0	178	412	245	237	219	139	111	33	0	0	1,574
2053	0	0	183	425	253	244	226	143	114	34	0	0	1,623
2054	0	0	189	439	261	252	233	148	118	36	0	0	1,675
2055	0	0	195	452	269	260	240	152	122	37	0	0	1,727
2056	0	0	201	467	278	268	248	157	126	38	0	0	1,781
2057	0	0	207	481	286	276	256	162	129	39	0	0	1,836
2058	0	0	214	496	295	285	263	167	133	40	0	0	1,893
2059	0	0	220	511	304	294	272	172	138	41	0	0	1,951
2060	0	0	227	527	313	303	280	177	142	43	0	0	2,011
2061	0	0	241	559	332	321	297	188	150	45	0	0	2,133
2062	0	0	255	592	352	340	315	199	159	48	0	0	2,261
2063	0	0	271	628	373	360	333	211	169	51	0	0	2,396
2064	0	0	287	665	395	382	353	224	179	54	0	0	2,538
2065	0	0	299	694	413	398	369	233	187	56	0	0	2,649

Benjamin Table 5

Benjamin													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Benjamin Table 6

Benjamin													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Benjamin Table 7

Benjamin													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	1	1	1	0	0	0	0	5
2019	1	1	1	1	1	1	1	1	1	1	1	1	11
2020	1	1	1	1	1	2	2	2	1	1	1	1	16
2021	1	1	1	1	1	2	2	2	1	1	1	1	16
2022	1	1	1	1	1	2	2	2	1	1	1	1	16
2023	1	1	1	1	1	2	2	2	1	1	1	1	16
2024	1	1	1	1	1	2	2	2	1	1	1	1	16
2025	1	1	1	1	1	2	2	2	1	1	1	1	16
2026	1	1	1	1	1	2	2	2	1	1	1	1	16
2027	1	1	1	1	1	2	2	2	1	1	1	1	16
2028	1	1	1	1	1	2	2	2	1	1	1	1	16
2029	1	1	1	1	1	2	2	2	1	1	1	1	16
2030	1	1	1	1	1	2	2	2	1	1	1	1	16
2031	1	1	1	1	1	2	2	2	1	1	1	1	16
2032	1	1	1	1	1	2	2	2	1	1	1	1	16
2033	1	1	1	1	1	2	2	2	1	1	1	1	16
2034	1	1	1	1	1	2	2	2	1	1	1	1	16
2035	1	1	1	1	1	2	2	2	1	1	1	1	16
2036	1	1	1	1	1	2	2	2	1	1	1	1	16
2037	1	1	1	1	1	2	2	2	1	1	1	1	16
2038	1	1	1	1	1	2	2	2	1	1	1	1	16
2039	1	1	1	1	1	2	2	2	1	1	1	1	16
2040	1	1	1	1	1	2	2	2	1	1	1	1	16
2041	15	14	16	15	18	20	21	20	18	15	14	15	200
2042	32	29	33	30	37	41	44	42	37	32	30	30	417
2043	52	47	53	49	60	67	71	68	59	52	48	49	674
2044	75	68	77	71	86	97	103	99	86	75	70	71	976
2045	102	92	105	97	118	132	140	135	117	102	95	97	1,333
2046	135	122	139	127	155	174	184	178	154	134	125	128	1,755
2047	173	156	178	163	199	223	237	228	198	172	161	164	2,253
2048	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2049	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2050	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2051	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2052	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2053	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2054	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2055	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2056	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2057	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2058	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2059	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2060	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2061	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2062	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2063	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2064	207	187	214	196	239	268	284	274	238	207	193	197	2,704
2065	207	187	214	196	239	268	284	274	238	207	193	197	2,704

Benjamin Table 8

Benjamin													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	2
2019	0	0	0	1	1	1	1	0	0	0	0	0	4
2020	0	0	1	1	1	1	1	0	0	0	0	0	5
2021	0	0	1	1	1	1	1	0	0	0	0	0	5
2022	0	0	1	1	1	1	1	0	0	0	0	0	5
2023	0	0	1	1	1	1	1	0	0	0	0	0	5
2024	0	0	1	1	1	1	1	0	0	0	0	0	5
2025	0	0	1	1	1	1	1	0	0	0	0	0	5
2026	0	0	1	1	1	1	1	0	0	0	0	0	5
2027	0	0	1	1	1	1	1	0	0	0	0	0	5
2028	0	0	1	1	1	1	1	0	0	0	0	0	5
2029	0	0	1	1	1	1	1	0	0	0	0	0	5
2030	0	0	1	1	1	1	1	0	0	0	0	0	5
2031	0	0	1	1	1	1	1	0	0	0	0	0	5
2032	0	0	1	1	1	1	1	0	0	0	0	0	5
2033	0	0	1	1	1	1	1	0	0	0	0	0	5
2034	0	0	1	1	1	1	1	0	0	0	0	0	5
2035	0	0	1	1	1	1	1	0	0	0	0	0	5
2036	0	0	1	1	1	1	1	0	0	0	0	0	5
2037	0	0	1	1	1	1	1	0	0	0	0	0	5
2038	0	0	1	1	1	1	1	0	0	0	0	0	5
2039	0	0	1	1	1	1	1	0	0	0	0	0	5
2040	0	0	1	1	1	1	1	0	0	0	0	0	5
2041	0	0	8	18	11	10	9	6	5	1	0	0	68
2042	0	0	16	37	22	21	20	12	10	3	0	0	142
2043	0	0	26	60	36	34	32	20	16	5	0	0	229
2044	0	0	37	87	52	50	46	29	23	7	0	0	331
2045	0	0	51	119	71	68	63	40	32	10	0	0	453
2046	0	0	67	156	93	90	83	53	42	13	0	0	596
2047	0	0	86	200	119	115	106	67	54	16	0	0	765
2048	0	0	109	253	150	145	134	85	68	20	0	0	964
2049	0	0	136	314	187	180	167	106	85	25	0	0	1,200
2050	0	0	167	387	230	222	206	130	104	31	0	0	1,478
2051	0	0	172	399	238	229	212	134	108	32	0	0	1,525
2052	0	0	178	412	245	237	219	139	111	33	0	0	1,574
2053	0	0	183	425	253	244	226	143	114	34	0	0	1,623
2054	0	0	189	439	261	252	233	148	118	36	0	0	1,675
2055	0	0	195	452	269	260	240	152	122	37	0	0	1,727
2056	0	0	201	467	278	268	248	157	126	38	0	0	1,781
2057	0	0	207	481	286	276	256	162	129	39	0	0	1,836
2058	0	0	214	496	295	285	263	167	133	40	0	0	1,893
2059	0	0	220	511	304	294	272	172	138	41	0	0	1,951
2060	0	0	227	527	313	303	280	177	142	43	0	0	2,011
2061	0	0	241	559	332	321	297	188	150	45	0	0	2,133
2062	0	0	255	592	352	340	315	199	159	48	0	0	2,261
2063	0	0	271	628	373	360	333	211	169	51	0	0	2,396
2064	0	0	287	665	395	382	353	224	179	54	0	0	2,538
2065	0	0	299	694	413	398	369	233	187	56	0	0	2,649

Benjamin Table 9

Benjamin													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Benjamin Table 10

Benjamin													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	91	82	93	86	104	117	124	119	104	90	84	86	1,180
2018	91	82	94	86	105	117	125	120	104	91	85	86	1,186
2019	91	83	94	87	106	118	125	121	105	91	85	87	1,193
2020	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2021	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2022	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2023	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2024	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2025	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2026	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2027	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2028	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2029	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2030	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2031	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2032	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2033	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2034	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2035	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2036	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2037	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2038	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2039	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2040	92	83	95	87	106	119	126	121	105	92	86	87	1,199
2041	109	98	112	103	125	140	149	143	124	108	101	103	1,415
2042	128	116	132	121	148	165	175	169	147	128	119	122	1,670
2043	151	137	156	143	175	195	207	199	173	151	141	144	1,971
2044	178	161	184	169	206	230	244	235	205	178	166	170	2,327
2045	211	190	217	199	243	272	288	278	241	210	196	200	2,746
2046	249	225	256	235	287	321	340	328	285	248	232	236	3,242
2047	293	265	302	278	339	379	402	387	336	293	273	279	3,826
2048	346	313	357	328	400	447	474	457	397	345	323	329	4,516
2049	409	369	421	387	472	528	560	539	469	408	381	389	5,330
2050	483	436	497	456	557	623	661	636	553	481	450	459	6,291
2051	495	447	510	468	572	639	678	653	568	494	461	471	6,455
2052	508	459	524	480	586	656	695	670	582	507	473	483	6,623
2053	521	471	537	493	602	673	714	687	597	520	486	495	6,796
2054	535	483	551	506	617	690	732	705	613	533	498	508	6,973
2055	549	496	566	519	633	708	751	724	629	547	511	521	7,154
2056	563	509	580	532	650	727	771	743	645	561	525	535	7,341
2057	578	522	595	546	667	746	791	762	662	576	538	549	7,532
2058	593	535	611	561	684	765	812	782	679	591	552	563	7,728
2059	608	549	627	575	702	785	833	802	697	606	567	578	7,930
2060	624	564	643	590	720	805	854	823	715	622	582	593	8,136
2061	656	593	676	621	758	847	899	866	752	655	612	624	8,558
2062	690	624	712	653	797	891	945	911	791	688	643	656	9,001
2063	726	656	748	687	838	937	994	958	832	724	677	690	9,468
2064	764	690	787	722	882	986	1,046	1,007	876	762	712	726	9,959
2065	803	726	828	760	927	1,037	1,100	1,060	921	801	749	764	10,475

Benjamin Table 11

Benjamin													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	65	204	322	426	397	303	89	0	0	1,807
2018	0	0	0	66	206	324	429	400	306	89	0	0	1,820
2019	0	0	0	66	207	326	433	403	308	90	0	0	1,833
2020	0	0	0	66	209	329	436	406	310	90	0	0	1,847
2021	0	0	0	67	209	329	437	407	311	91	0	0	1,850
2022	0	0	0	67	210	330	438	408	312	91	0	0	1,854
2023	0	0	0	67	210	331	439	409	312	91	0	0	1,858
2024	0	0	0	67	210	331	439	410	313	91	0	0	1,862
2025	0	0	0	67	211	332	440	410	313	91	0	0	1,866
2026	0	0	0	67	211	333	441	411	314	92	0	0	1,870
2027	0	0	0	67	212	333	442	412	315	92	0	0	1,873
2028	0	0	0	68	212	334	443	413	315	92	0	0	1,877
2029	0	0	0	68	213	335	444	414	316	92	0	0	1,881
2030	0	0	0	68	213	336	445	415	317	92	0	0	1,885
2031	0	0	0	68	213	336	446	416	317	93	0	0	1,889
2032	0	0	0	68	214	337	447	416	318	93	0	0	1,893
2033	0	0	0	68	214	338	448	417	319	93	0	0	1,896
2034	0	0	0	68	215	338	448	418	319	93	0	0	1,900
2035	0	0	0	69	215	339	449	419	320	93	0	0	1,904
2036	0	0	0	69	216	340	450	420	321	93	0	0	1,908
2037	0	0	0	69	216	340	451	421	321	94	0	0	1,912
2038	0	0	0	69	216	341	452	421	322	94	0	0	1,915
2039	0	0	0	69	217	342	453	422	322	94	0	0	1,919
2040	0	0	0	69	217	342	454	423	323	94	0	0	1,923
2041	0	0	0	82	257	405	537	500	382	111	0	0	2,274
2042	0	0	0	97	304	479	635	592	452	132	0	0	2,690
2043	0	0	0	115	359	566	751	700	534	156	0	0	3,181
2044	0	0	0	135	425	670	888	828	632	184	0	0	3,762
2045	0	0	0	160	503	792	1,050	979	747	218	0	0	4,449
2046	0	0	0	189	595	937	1,242	1,158	884	258	0	0	5,261
2047	0	0	0	224	703	1,108	1,468	1,369	1,045	305	0	0	6,222
2048	0	0	0	265	832	1,310	1,737	1,619	1,236	361	0	0	7,359
2049	0	0	0	313	983	1,549	2,054	1,915	1,462	426	0	0	8,702
2050	0	0	0	370	1,163	1,832	2,429	2,264	1,729	504	0	0	10,292
2051	0	0	0	381	1,196	1,883	2,497	2,328	1,777	518	0	0	10,580
2052	0	0	0	392	1,229	1,936	2,567	2,393	1,827	533	0	0	10,877
2053	0	0	0	403	1,264	1,990	2,639	2,460	1,879	548	0	0	11,182
2054	0	0	0	414	1,299	2,046	2,713	2,529	1,931	563	0	0	11,495
2055	0	0	0	425	1,335	2,104	2,789	2,600	1,985	579	0	0	11,818
2056	0	0	0	437	1,373	2,163	2,867	2,673	2,041	595	0	0	12,149
2057	0	0	0	450	1,411	2,223	2,948	2,748	2,098	612	0	0	12,489
2058	0	0	0	462	1,451	2,285	3,030	2,825	2,157	629	0	0	12,839
2059	0	0	0	475	1,492	2,349	3,115	2,904	2,217	647	0	0	13,199
2060	0	0	0	488	1,533	2,415	3,202	2,985	2,280	665	0	0	13,569
2061	0	0	0	515	1,616	2,545	3,375	3,146	2,402	701	0	0	14,300
2062	0	0	0	542	1,703	2,682	3,556	3,315	2,532	738	0	0	15,069
2063	0	0	0	572	1,795	2,827	3,748	3,494	2,668	778	0	0	15,881
2064	0	0	0	602	1,891	2,979	3,950	3,682	2,812	820	0	0	16,736
1905	0	0	0	635	1,993	3,139	4,162	3,880	2,963	864	0	0	17,636

Benjamin Table 12

Benjamin													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	91	82	93	151	309	438	550	517	407	179	84	86	2,987
2018	91	82	94	152	311	441	554	520	410	180	85	86	3,006
2019	91	83	94	152	313	444	558	524	413	181	85	87	3,026
2020	92	83	95	153	315	447	562	528	416	182	86	87	3,046
2021	92	83	95	154	315	448	563	528	416	182	86	87	3,049
2022	92	83	95	154	316	449	564	529	417	183	86	87	3,053
2023	92	83	95	154	316	449	564	530	418	183	86	87	3,057
2024	92	83	95	154	317	450	565	531	418	183	86	87	3,061
2025	92	83	95	154	317	451	566	532	419	183	86	87	3,065
2026	92	83	95	154	317	451	567	533	420	183	86	87	3,069
2027	92	83	95	154	318	452	568	533	420	183	86	87	3,072
2028	92	83	95	155	318	453	569	534	421	184	86	87	3,076
2029	92	83	95	155	319	454	570	535	421	184	86	87	3,080
2030	92	83	95	155	319	454	571	536	422	184	86	87	3,084
2031	92	83	95	155	320	455	572	537	423	184	86	87	3,088
2032	92	83	95	155	320	456	573	538	423	184	86	87	3,091
2033	92	83	95	155	320	456	573	538	424	185	86	87	3,095
2034	92	83	95	155	321	457	574	539	425	185	86	87	3,099
2035	92	83	95	156	321	458	575	540	425	185	86	87	3,103
2036	92	83	95	156	322	458	576	541	426	185	86	87	3,107
2037	92	83	95	156	322	459	577	542	427	185	86	87	3,111
2038	92	83	95	156	323	460	578	543	427	186	86	87	3,114
2039	92	83	95	156	323	460	579	544	428	186	86	87	3,118
2040	92	83	95	156	323	461	580	544	428	186	86	87	3,122
2041	109	98	112	185	382	545	685	644	507	220	101	103	3,690
2042	128	116	132	218	452	644	810	761	599	260	119	122	4,360
2043	151	137	156	258	534	761	958	899	708	307	141	144	5,152
2044	178	161	184	304	631	900	1,132	1,063	837	362	166	170	6,089
2045	211	190	217	359	746	1,064	1,338	1,257	989	428	196	200	7,195
2046	249	225	256	425	882	1,257	1,582	1,485	1,169	506	232	236	8,503
2047	293	265	302	502	1,042	1,486	1,870	1,756	1,382	598	273	279	10,048
2048	346	313	357	592	1,231	1,757	2,211	2,076	1,633	706	323	329	11,875
2049	409	369	421	700	1,455	2,077	2,613	2,454	1,931	834	381	389	14,033
2050	483	436	497	827	1,720	2,455	3,089	2,901	2,282	985	450	459	16,583
2051	495	447	510	849	1,767	2,522	3,175	2,981	2,345	1,012	461	471	17,035
2052	508	459	524	872	1,816	2,592	3,262	3,063	2,410	1,040	473	483	17,500
2053	521	471	537	895	1,865	2,663	3,353	3,147	2,476	1,068	486	495	17,978
2054	535	483	551	920	1,916	2,736	3,445	3,234	2,544	1,097	498	508	18,468
2055	549	496	566	944	1,969	2,812	3,540	3,324	2,614	1,126	511	521	18,972
2056	563	509	580	970	2,023	2,889	3,638	3,415	2,686	1,157	525	535	19,490
2057	578	522	595	996	2,078	2,969	3,738	3,510	2,760	1,188	538	549	20,022
2058	593	535	611	1,023	2,135	3,050	3,842	3,606	2,836	1,220	552	563	20,568
2059	608	549	627	1,050	2,194	3,134	3,948	3,706	2,915	1,253	567	578	21,129
2060	624	564	643	1,079	2,254	3,221	4,057	3,808	2,995	1,287	582	593	21,705
2061	656	593	676	1,135	2,374	3,392	4,273	4,012	3,155	1,355	612	624	22,857
2062	690	624	712	1,195	2,500	3,573	4,502	4,226	3,323	1,427	643	656	24,071
2063	726	656	748	1,258	2,633	3,764	4,742	4,452	3,500	1,502	677	690	25,349
2064	764	690	787	1,325	2,773	3,965	4,995	4,689	3,687	1,582	712	726	26,694
1905	803	726	828	1,395	2,920	4,176	5,262	4,940	3,884	1,665	749	764	28,111

Benjamin Table 13

Benjamin													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	90	82	93	86	104	117	124	119	104	90	84	86	1,180
2018	91	82	94	86	105	117	124	120	104	91	85	86	1,185
2019	91	82	94	86	105	118	125	120	105	91	85	87	1,190
2020	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2021	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2022	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2023	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2024	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2025	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2026	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2027	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2028	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2029	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2030	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2031	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2032	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2033	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2034	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2035	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2036	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2037	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2038	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2039	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2040	92	83	95	87	106	118	126	121	105	91	85	87	1,196
2041	106	96	109	100	122	137	145	140	121	106	99	101	1,381
2042	123	111	126	116	142	158	168	162	141	122	114	117	1,600
2043	143	129	147	135	164	184	195	188	163	142	133	135	1,858
2044	166	150	171	157	191	214	227	219	190	165	155	158	2,163
2045	193	175	199	183	223	250	265	255	222	193	180	184	2,522
2046	226	204	233	214	261	292	309	298	259	225	211	215	2,947
2047	264	239	273	250	305	341	362	349	303	264	246	251	3,448
2048	310	280	319	293	358	400	424	409	355	309	289	294	4,039
2049	363	328	374	344	419	469	497	479	416	362	339	345	4,737
2050	427	385	440	403	492	550	584	562	489	425	397	405	5,561
2051	437	395	451	413	505	564	599	577	501	436	407	416	5,701
2052	448	405	462	424	518	579	614	591	514	447	418	426	5,845
2053	460	415	474	435	531	593	629	606	527	458	428	437	5,993
2054	471	426	486	446	544	608	645	622	540	470	439	448	6,145
2055	483	436	498	457	558	624	662	637	554	482	450	459	6,300
2056	496	448	511	469	572	639	678	653	568	494	462	471	6,460
2057	508	459	524	480	586	656	696	670	582	507	473	483	6,624
2058	521	471	537	493	601	672	713	687	597	519	485	495	6,792
2059	534	482	551	505	617	689	731	705	612	533	498	508	6,965
2060	548	495	565	518	632	707	750	722	628	546	510	521	7,142
2061	576	520	593	544	664	743	788	759	660	574	536	547	7,503
2062	605	546	623	572	698	780	828	797	693	603	563	575	7,884
2063	635	574	655	601	733	820	870	838	728	634	592	604	8,283
2064	668	603	688	631	771	862	914	880	765	666	622	634	8,704
2065	702	634	723	663	810	905	960	925	804	700	654	667	9,147

Benjamin Table 14

Benjamin													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	65	204	322	426	398	304	89	0	0	1,807
2018	0	0	0	65	205	323	429	400	305	89	0	0	1,817
2019	0	0	0	66	206	325	431	402	307	90	0	0	1,827
2020	0	0	0	66	208	327	434	404	309	90	0	0	1,837
2021	0	0	0	66	208	327	434	405	309	90	0	0	1,840
2022	0	0	0	66	208	328	435	405	310	90	0	0	1,843
2023	0	0	0	66	209	329	436	406	310	90	0	0	1,846
2024	0	0	0	67	209	329	436	407	311	91	0	0	1,848
2025	0	0	0	67	209	330	437	407	311	91	0	0	1,851
2026	0	0	0	67	210	330	438	408	312	91	0	0	1,854
2027	0	0	0	67	210	331	438	409	312	91	0	0	1,857
2028	0	0	0	67	210	331	439	409	312	91	0	0	1,860
2029	0	0	0	67	210	332	440	410	313	91	0	0	1,863
2030	0	0	0	67	211	332	440	410	313	91	0	0	1,866
2031	0	0	0	67	211	333	441	411	314	92	0	0	1,869
2032	0	0	0	67	211	333	442	412	314	92	0	0	1,871
2033	0	0	0	67	212	334	442	412	315	92	0	0	1,874
2034	0	0	0	68	212	334	443	413	315	92	0	0	1,877
2035	0	0	0	68	212	335	444	414	316	92	0	0	1,880
2036	0	0	0	68	213	335	444	414	316	92	0	0	1,883
2037	0	0	0	68	213	336	445	415	317	92	0	0	1,886
2038	0	0	0	68	213	336	446	415	317	93	0	0	1,889
2039	0	0	0	68	214	337	446	416	318	93	0	0	1,891
2040	0	0	0	68	214	337	447	417	318	93	0	0	1,894
2041	0	0	0	78	244	384	509	475	363	106	0	0	2,158
2042	0	0	0	89	279	440	583	543	415	121	0	0	2,469
2043	0	0	0	102	321	505	670	624	477	139	0	0	2,838
2044	0	0	0	118	370	583	773	720	550	160	0	0	3,273
2045	0	0	0	136	428	674	894	834	637	186	0	0	3,789
2046	0	0	0	158	497	783	1,038	968	739	216	0	0	4,398
2047	0	0	0	184	578	911	1,208	1,126	860	251	0	0	5,119
2048	0	0	0	215	675	1,063	1,409	1,314	1,003	293	0	0	5,971
2049	0	0	0	251	789	1,242	1,647	1,535	1,172	342	0	0	6,979
2050	0	0	0	294	923	1,454	1,928	1,798	1,373	400	0	0	8,171
2051	0	0	0	302	948	1,493	1,979	1,845	1,409	411	0	0	8,387
2052	0	0	0	310	973	1,533	2,032	1,894	1,446	422	0	0	8,610
2053	0	0	0	318	999	1,573	2,086	1,944	1,485	433	0	0	8,838
2054	0	0	0	327	1,025	1,615	2,141	1,996	1,524	445	0	0	9,074
2055	0	0	0	335	1,053	1,658	2,198	2,049	1,565	456	0	0	9,315
2056	0	0	0	344	1,081	1,702	2,257	2,104	1,607	469	0	0	9,564
2057	0	0	0	353	1,110	1,748	2,317	2,160	1,650	481	0	0	9,819
2058	0	0	0	363	1,139	1,795	2,379	2,218	1,694	494	0	0	10,082
2059	0	0	0	373	1,170	1,843	2,443	2,277	1,739	507	0	0	10,351
2060	0	0	0	383	1,201	1,892	2,508	2,338	1,786	521	0	0	10,629
2061	0	0	0	402	1,263	1,989	2,638	2,459	1,878	548	0	0	11,177
2062	0	0	0	423	1,328	2,092	2,774	2,586	1,975	576	0	0	11,754
2063	0	0	0	445	1,397	2,201	2,918	2,720	2,077	606	0	0	12,363
2064	0	0	0	468	1,469	2,315	3,069	2,861	2,185	637	0	0	13,004
1905	0	0	0	492	1,546	2,435	3,228	3,009	2,298	670	0	0	13,679

Benjamin Table 15

Benjamin													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	90	82	93	151	309	438	550	517	407	179	84	86	2,987
2018	91	82	94	151	310	441	553	520	409	180	85	86	3,002
2019	91	82	94	152	312	443	556	522	412	181	85	87	3,017
2020	92	83	95	153	313	445	559	525	414	181	85	87	3,033
2021	92	83	95	153	314	446	560	526	414	182	85	87	3,036
2022	92	83	95	153	314	446	560	526	415	182	85	87	3,038
2023	92	83	95	153	314	447	561	527	415	182	85	87	3,041
2024	92	83	95	153	315	447	562	528	416	182	85	87	3,044
2025	92	83	95	153	315	448	562	528	416	182	85	87	3,047
2026	92	83	95	153	315	448	563	529	417	182	85	87	3,050
2027	92	83	95	154	316	449	564	530	417	182	85	87	3,053
2028	92	83	95	154	316	449	564	530	418	183	85	87	3,056
2029	92	83	95	154	316	450	565	531	418	183	85	87	3,058
2030	92	83	95	154	317	450	566	531	419	183	85	87	3,061
2031	92	83	95	154	317	451	567	532	419	183	85	87	3,064
2032	92	83	95	154	317	451	567	533	420	183	85	87	3,067
2033	92	83	95	154	318	452	568	533	420	183	85	87	3,070
2034	92	83	95	154	318	452	569	534	420	183	85	87	3,073
2035	92	83	95	154	318	453	569	535	421	184	85	87	3,076
2036	92	83	95	155	319	453	570	535	421	184	85	87	3,079
2037	92	83	95	155	319	454	571	536	422	184	85	87	3,081
2038	92	83	95	155	319	455	571	536	422	184	85	87	3,084
2039	92	83	95	155	320	455	572	537	423	184	85	87	3,087
2040	92	83	95	155	320	456	573	538	423	184	85	87	3,090
2041	106	96	109	178	366	521	654	614	484	211	99	101	3,539
2042	123	111	126	205	421	598	751	705	555	243	114	117	4,069
2043	143	129	147	237	485	689	865	812	640	281	133	135	4,696
2044	166	150	171	275	561	797	1,000	939	740	326	155	158	5,436
2045	193	175	199	319	651	924	1,159	1,089	858	379	180	184	6,311
2046	226	204	233	372	758	1,075	1,347	1,266	998	441	211	215	7,345
2047	264	239	273	434	884	1,252	1,570	1,475	1,163	515	246	251	8,566
2048	310	280	319	508	1,032	1,463	1,833	1,722	1,358	601	289	294	10,010
2049	363	328	374	595	1,208	1,711	2,144	2,014	1,589	704	339	345	11,716
2050	427	385	440	697	1,416	2,005	2,512	2,360	1,862	826	397	405	13,731
2051	437	395	451	715	1,453	2,057	2,578	2,422	1,910	847	407	416	14,088
2052	448	405	462	734	1,490	2,111	2,646	2,485	1,960	869	418	426	14,455
2053	460	415	474	753	1,529	2,166	2,715	2,551	2,012	891	428	437	14,831
2054	471	426	486	772	1,569	2,223	2,787	2,618	2,065	915	439	448	15,218
2055	483	436	498	792	1,610	2,282	2,860	2,687	2,119	938	450	459	15,616
2056	496	448	511	813	1,653	2,342	2,935	2,758	2,175	963	462	471	16,024
2057	508	459	524	834	1,696	2,403	3,013	2,830	2,232	988	473	483	16,443
2058	521	471	537	856	1,741	2,467	3,092	2,905	2,291	1,013	485	495	16,874
2059	534	482	551	878	1,786	2,532	3,174	2,982	2,351	1,040	498	508	17,316
2060	548	495	565	901	1,833	2,599	3,258	3,061	2,414	1,067	510	521	17,771
2061	576	520	593	947	1,927	2,732	3,426	3,218	2,537	1,122	536	547	18,680
2062	605	546	623	995	2,026	2,873	3,602	3,383	2,668	1,179	563	575	19,638
2063	635	574	655	1,046	2,130	3,020	3,787	3,558	2,805	1,239	592	604	20,646
2064	668	603	688	1,099	2,240	3,176	3,983	3,741	2,950	1,303	622	634	21,708
1905	702	634	723	1,156	2,356	3,340	4,189	3,935	3,102	1,370	654	667	22,826

Benjamin Table 16

Benjamin													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	90	82	93	86	104	117	124	119	104	90	84	86	1,180
2018	91	82	93	86	105	117	124	119	104	90	84	86	1,180
2019	91	82	93	86	105	117	124	119	104	90	84	86	1,181
2020	91	82	93	86	105	117	124	120	104	90	84	86	1,182
2021	90	81	93	85	104	116	123	119	103	90	84	86	1,176
2022	90	81	92	85	104	116	123	118	103	89	84	85	1,170
2023	89	81	92	84	103	115	122	118	102	89	83	85	1,163
2024	89	80	91	84	102	115	122	117	102	89	83	84	1,157
2025	88	80	91	83	102	114	121	116	101	88	82	84	1,151
2026	88	79	91	83	101	113	120	116	101	88	82	83	1,145
2027	87	79	90	83	101	113	120	115	100	87	81	83	1,139
2028	87	78	90	82	100	112	119	115	100	87	81	83	1,133
2029	86	78	89	82	100	112	118	114	99	86	81	82	1,127
2030	86	78	89	81	99	111	118	113	99	86	80	82	1,121
2031	86	77	88	81	99	111	117	113	98	85	80	81	1,118
2032	85	77	88	81	99	110	117	113	98	85	80	81	1,114
2033	85	77	88	81	98	110	117	112	98	85	79	81	1,111
2034	85	77	88	80	98	110	116	112	97	85	79	81	1,107
2035	85	76	87	80	98	109	116	112	97	84	79	80	1,104
2036	84	76	87	80	97	109	116	111	97	84	79	80	1,100
2037	84	76	87	80	97	109	115	111	96	84	78	80	1,097
2038	84	76	86	79	97	108	115	111	96	84	78	80	1,093
2039	84	75	86	79	96	108	114	110	96	83	78	79	1,090
2040	83	75	86	79	96	108	114	110	95	83	78	79	1,086
2041	96	87	99	91	111	124	132	127	110	96	90	91	1,254
2042	111	101	115	105	129	144	152	147	128	111	104	106	1,452
2043	129	117	133	122	149	167	177	170	148	129	120	123	1,685
2044	150	136	155	142	174	194	206	198	172	150	140	143	1,960
2045	175	158	181	166	202	226	240	231	201	175	163	167	2,284
2046	205	185	211	193	236	264	280	270	234	204	191	194	2,667
2047	239	216	246	226	276	309	327	315	274	238	223	227	3,117
2048	280	253	288	265	323	361	383	369	321	279	261	266	3,649
2049	328	296	338	310	378	423	449	432	376	327	306	312	4,275
2050	385	347	396	364	444	496	526	507	441	383	358	365	5,013
2051	394	356	406	372	454	508	539	519	451	393	367	374	5,133
2052	403	364	415	381	465	520	552	532	462	402	376	383	5,256
2053	413	373	425	390	476	533	565	544	473	412	385	392	5,382
2054	423	382	436	400	488	545	579	557	484	421	394	402	5,511
2055	433	391	446	409	500	559	593	571	496	432	403	411	5,643
2056	443	400	457	419	512	572	607	585	508	442	413	421	5,778
2057	454	410	468	429	524	586	621	599	520	453	423	431	5,917
2058	465	420	479	439	536	600	636	613	533	463	433	442	6,059
2059	476	430	490	450	549	614	652	628	546	475	443	452	6,205
2060	487	440	502	461	563	629	667	643	559	486	454	463	6,354
2061	511	462	527	483	590	660	700	674	586	510	476	486	6,665
2062	536	484	553	507	619	692	734	707	615	535	500	510	6,992
2063	563	508	580	532	649	726	770	742	645	561	524	535	7,336
2064	590	533	608	558	681	762	808	779	677	589	550	561	7,696
2065	619	559	638	586	715	799	848	817	710	618	577	589	8,075

Benjamin Table 17

Benjamin													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	65	204	322	426	398	304	89	0	0	1,807
2018	0	0	0	65	203	320	425	396	302	88	0	0	1,799
2019	0	0	0	64	202	319	423	394	301	88	0	0	1,791
2020	0	0	0	64	201	317	421	392	300	87	0	0	1,783
2021	0	0	0	63	199	313	415	387	296	86	0	0	1,760
2022	0	0	0	63	196	309	410	382	292	85	0	0	1,738
2023	0	0	0	62	194	305	405	378	288	84	0	0	1,716
2024	0	0	0	61	191	302	400	373	285	83	0	0	1,695
2025	0	0	0	60	189	298	395	368	281	82	0	0	1,673
2026	0	0	0	59	187	294	390	363	277	81	0	0	1,652
2027	0	0	0	59	184	290	385	359	274	80	0	0	1,631
2028	0	0	0	58	182	287	380	354	270	79	0	0	1,610
2029	0	0	0	57	180	283	375	350	267	78	0	0	1,589
2030	0	0	0	56	177	279	370	345	264	77	0	0	1,569
2031	0	0	0	56	176	277	367	343	262	76	0	0	1,557
2032	0	0	0	56	175	275	365	340	260	76	0	0	1,546
2033	0	0	0	55	173	273	362	338	258	75	0	0	1,534
2034	0	0	0	55	172	271	359	335	256	75	0	0	1,523
2035	0	0	0	54	171	269	357	333	254	74	0	0	1,512
2036	0	0	0	54	170	267	354	330	252	74	0	0	1,500
2037	0	0	0	54	168	265	351	328	250	73	0	0	1,489
2038	0	0	0	53	167	263	349	325	248	72	0	0	1,478
2039	0	0	0	53	166	261	346	323	246	72	0	0	1,467
2040	0	0	0	52	165	259	344	320	245	71	0	0	1,456
2041	0	0	0	59	186	294	389	363	277	81	0	0	1,650
2042	0	0	0	68	212	334	443	413	316	92	0	0	1,878
2043	0	0	0	77	243	382	507	472	361	105	0	0	2,147
2044	0	0	0	89	278	439	582	542	414	121	0	0	2,464
2045	0	0	0	102	321	505	670	624	477	139	0	0	2,838
2046	0	0	0	118	371	584	774	721	551	161	0	0	3,279
2047	0	0	0	137	429	676	896	836	638	186	0	0	3,798
2048	0	0	0	159	498	785	1,041	970	741	216	0	0	4,410
2049	0	0	0	185	580	913	1,211	1,129	862	251	0	0	5,131
2050	0	0	0	215	676	1,065	1,412	1,316	1,005	293	0	0	5,981
2051	0	0	0	220	691	1,089	1,443	1,345	1,027	300	0	0	6,115
2052	0	0	0	225	707	1,113	1,476	1,376	1,050	306	0	0	6,253
2053	0	0	0	230	722	1,138	1,509	1,406	1,074	313	0	0	6,393
2054	0	0	0	235	739	1,164	1,543	1,438	1,098	320	0	0	6,537
2055	0	0	0	241	755	1,190	1,578	1,471	1,123	328	0	0	6,685
2056	0	0	0	246	772	1,217	1,613	1,504	1,148	335	0	0	6,836
2057	0	0	0	252	790	1,244	1,650	1,538	1,174	343	0	0	6,990
2058	0	0	0	257	808	1,273	1,687	1,573	1,201	350	0	0	7,149
2059	0	0	0	263	826	1,301	1,725	1,608	1,228	358	0	0	7,311
2060	0	0	0	269	845	1,331	1,765	1,645	1,256	366	0	0	7,478
2061	0	0	0	282	884	1,393	1,847	1,721	1,315	383	0	0	7,825
2062	0	0	0	295	925	1,458	1,933	1,802	1,376	401	0	0	8,189
2063	0	0	0	309	969	1,526	2,023	1,886	1,440	420	0	0	8,571
2064	0	0	0	323	1,014	1,597	2,117	1,974	1,507	440	0	0	8,972
1905	0	0	0	338	1,061	1,672	2,216	2,066	1,578	460	0	0	9,392

Benjamin Table 18

Benjamin													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	90	82	93	151	309	438	550	517	407	179	84	86	2,987
2018	91	82	93	150	308	437	548	515	406	178	84	86	2,979
2019	91	82	93	150	307	436	547	513	405	178	84	86	2,972
2020	91	82	93	150	306	434	545	512	403	178	84	86	2,965
2021	90	81	93	149	303	430	539	506	399	176	84	86	2,936
2022	90	81	92	147	300	425	533	501	395	175	84	85	2,908
2023	89	81	92	146	297	421	527	495	391	173	83	85	2,880
2024	89	80	91	145	294	416	521	490	386	172	83	84	2,852
2025	88	80	91	144	291	412	516	485	382	170	82	84	2,824
2026	88	79	91	143	288	407	510	479	378	169	82	83	2,797
2027	87	79	90	141	285	403	504	474	374	167	81	83	2,770
2028	87	78	90	140	282	399	499	469	370	166	81	83	2,743
2029	86	78	89	139	279	394	493	464	366	164	81	82	2,716
2030	86	78	89	138	277	390	488	459	362	163	80	82	2,690
2031	86	77	88	137	275	388	485	456	360	162	80	81	2,675
2032	85	77	88	136	273	385	482	453	358	161	80	81	2,660
2033	85	77	88	136	272	383	479	450	355	160	79	81	2,645
2034	85	77	88	135	270	381	476	447	353	159	79	81	2,630
2035	85	76	87	134	269	378	473	444	351	158	79	80	2,615
2036	84	76	87	134	267	376	470	441	349	158	79	80	2,600
2037	84	76	87	133	265	374	467	439	347	157	78	80	2,586
2038	84	76	86	132	264	371	464	436	344	156	78	80	2,571
2039	84	75	86	132	262	369	461	433	342	155	78	79	2,557
2040	83	75	86	131	261	367	458	430	340	154	78	79	2,542
2041	96	87	99	150	297	418	521	490	387	177	90	91	2,904
2042	111	101	115	173	341	478	596	560	443	203	104	106	3,330
2043	129	117	133	200	392	549	684	643	509	234	120	123	3,832
2044	150	136	155	231	452	633	787	740	586	271	140	143	4,425
2045	175	158	181	268	523	731	910	856	678	314	163	167	5,123
2046	205	185	211	311	607	848	1,054	991	785	365	191	194	5,946
2047	239	216	246	363	705	985	1,224	1,151	912	425	223	227	6,916
2048	280	253	288	423	821	1,146	1,424	1,339	1,062	495	261	266	8,059
2049	328	296	338	495	958	1,337	1,660	1,561	1,238	578	306	312	9,406
2050	385	347	396	579	1,120	1,561	1,938	1,823	1,446	677	358	365	10,994
2051	394	356	406	592	1,145	1,597	1,982	1,865	1,479	692	367	374	11,248
2052	403	364	415	606	1,172	1,633	2,027	1,907	1,513	708	376	383	11,508
2053	413	373	425	620	1,199	1,671	2,074	1,951	1,547	725	385	392	11,775
2054	423	382	436	635	1,227	1,709	2,121	1,996	1,583	742	394	402	12,048
2055	433	391	446	650	1,255	1,748	2,170	2,041	1,619	759	403	411	12,327
2056	443	400	457	665	1,284	1,789	2,220	2,088	1,656	777	413	421	12,614
2057	454	410	468	681	1,314	1,830	2,271	2,136	1,695	795	423	431	12,907
2058	465	420	479	697	1,344	1,872	2,323	2,186	1,734	814	433	442	13,208
2059	476	430	490	713	1,376	1,916	2,377	2,236	1,774	833	443	452	13,516
2060	487	440	502	730	1,408	1,960	2,432	2,288	1,815	852	454	463	13,832
2061	511	462	527	765	1,474	2,053	2,547	2,396	1,901	893	476	486	14,490
2062	536	484	553	802	1,544	2,150	2,667	2,509	1,990	936	500	510	15,181
2063	563	508	580	841	1,618	2,252	2,793	2,628	2,085	981	524	535	15,906
2064	590	533	608	881	1,695	2,359	2,925	2,752	2,184	1,028	550	561	16,668
1905	619	559	638	924	1,776	2,471	3,064	2,883	2,288	1,078	577	589	17,467

Benjamin Table 19

Benjamin													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	-91	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2018	-91	-82	-93	-86	-105	-117	-124	-119	-104	-90	-84	-86	-1,181
2019	-91	-82	-93	-86	-105	-117	-124	-120	-104	-90	-84	-86	-1,182
2020	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2021	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2022	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2023	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2024	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2025	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2026	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2027	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2028	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2029	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2030	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2031	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2032	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2033	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2034	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2035	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2036	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2037	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2038	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2039	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2040	-91	-82	-94	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,183
2041	-93	-84	-96	-88	-108	-120	-128	-123	-107	-93	-87	-89	-1,215
2042	-96	-87	-99	-91	-111	-124	-132	-127	-110	-96	-90	-91	-1,253
2043	-100	-90	-103	-94	-115	-128	-136	-131	-114	-99	-93	-95	-1,298
2044	-104	-94	-107	-98	-120	-134	-142	-137	-119	-103	-97	-98	-1,351
2045	-108	-98	-112	-102	-125	-140	-148	-143	-124	-108	-101	-103	-1,413
2046	-114	-103	-118	-108	-132	-147	-156	-150	-131	-114	-106	-108	-1,487
2047	-121	-109	-124	-114	-139	-156	-165	-159	-138	-120	-112	-115	-1,573
2048	-139	-126	-143	-131	-160	-179	-190	-183	-159	-139	-130	-132	-1,812
2049	-201	-182	-208	-190	-233	-260	-276	-266	-231	-201	-188	-191	-2,626
2050	-275	-248	-284	-260	-318	-355	-377	-363	-315	-274	-256	-261	-3,587
2051	-288	-260	-297	-272	-332	-371	-394	-379	-330	-287	-268	-273	-3,751
2052	-301	-271	-310	-284	-347	-388	-412	-396	-345	-300	-280	-286	-3,919
2053	-314	-283	-323	-297	-362	-405	-430	-414	-360	-313	-292	-298	-4,092
2054	-327	-296	-337	-310	-378	-423	-448	-432	-375	-327	-305	-311	-4,269
2055	-341	-308	-352	-323	-394	-441	-467	-450	-391	-340	-318	-324	-4,450
2056	-356	-321	-367	-336	-411	-459	-487	-469	-408	-355	-331	-338	-4,637
2057	-370	-334	-382	-350	-427	-478	-507	-488	-424	-369	-345	-352	-4,828
2058	-385	-348	-397	-364	-445	-497	-528	-508	-442	-384	-359	-366	-5,024
2059	-401	-362	-413	-379	-463	-517	-549	-529	-459	-400	-373	-381	-5,226
2060	-417	-376	-429	-394	-481	-538	-570	-550	-478	-415	-388	-396	-5,432
2061	-449	-406	-463	-425	-518	-579	-615	-592	-515	-448	-418	-427	-5,854
2062	-483	-436	-498	-457	-558	-623	-661	-637	-554	-482	-450	-459	-6,297
2063	-519	-469	-535	-491	-599	-670	-710	-684	-595	-517	-483	-493	-6,764
2064	-556	-503	-573	-526	-642	-718	-762	-734	-638	-555	-519	-529	-7,255
2065	-596	-538	-614	-564	-688	-769	-816	-786	-683	-594	-555	-566	-7,771

Benjamin Table 20

Benjamin													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-65	-204	-322	-426	-397	-303	-89	0	0	-1,807
2018	0	0	0	-65	-205	-322	-428	-399	-305	-89	0	0	-1,813
2019	0	0	0	-65	-206	-323	-430	-400	-307	-89	0	0	-1,819
2020	0	0	1	-65	-206	-323	-432	-402	-308	-90	0	0	-1,825
2021	0	0	1	-65	-207	-324	-433	-402	-309	-90	0	0	-1,829
2022	0	0	1	-65	-207	-325	-434	-403	-310	-90	0	0	-1,833
2023	0	0	1	-65	-208	-325	-434	-404	-310	-90	0	0	-1,837
2024	0	0	1	-65	-208	-326	-435	-405	-311	-91	0	0	-1,841
2025	0	0	1	-65	-208	-327	-436	-406	-312	-91	0	0	-1,845
2026	0	0	1	-66	-209	-328	-437	-407	-312	-91	0	0	-1,848
2027	0	0	1	-66	-209	-328	-438	-407	-313	-91	0	0	-1,852
2028	0	0	1	-66	-210	-329	-439	-408	-314	-91	0	0	-1,856
2029	0	0	1	-66	-210	-330	-440	-409	-314	-92	0	0	-1,860
2030	0	0	1	-66	-211	-330	-441	-410	-315	-92	0	0	-1,864
2031	0	0	1	-66	-211	-331	-442	-411	-315	-92	0	0	-1,867
2032	0	0	1	-66	-211	-332	-443	-412	-316	-92	0	0	-1,871
2033	0	0	1	-67	-212	-332	-443	-412	-317	-92	0	0	-1,875
2034	0	0	1	-67	-212	-333	-444	-413	-317	-93	0	0	-1,879
2035	0	0	1	-67	-213	-334	-445	-414	-318	-93	0	0	-1,883
2036	0	0	1	-67	-213	-334	-446	-415	-319	-93	0	0	-1,887
2037	0	0	1	-67	-214	-335	-447	-416	-319	-93	0	0	-1,890
2038	0	0	1	-67	-214	-336	-448	-417	-320	-93	0	0	-1,894
2039	0	0	1	-67	-214	-336	-449	-418	-321	-93	0	0	-1,898
2040	0	0	1	-67	-215	-337	-450	-418	-321	-94	0	0	-1,902
2041	0	0	8	-60	-227	-339	-486	-441	-359	-104	0	0	-2,008
2042	0	0	16	-51	-241	-341	-528	-469	-403	-117	0	0	-2,133
2043	0	0	26	-40	-257	-344	-579	-501	-456	-131	0	0	-2,283
2044	0	0	37	-27	-277	-348	-639	-540	-518	-149	0	0	-2,460
2045	0	0	51	-12	-301	-353	-710	-586	-591	-169	0	0	-2,671
2046	0	0	67	5	-329	-358	-794	-640	-679	-194	0	0	-2,921
2047	0	0	86	26	-362	-366	-893	-705	-782	-222	0	0	-3,218
2048	0	0	109	50	-401	-374	-1,012	-782	-904	-257	0	0	-3,571
2049	0	0	136	78	-448	-385	-1,152	-873	-1,049	-297	0	0	-3,990
2050	0	0	167	112	-504	-399	-1,318	-981	-1,220	-345	0	0	-4,488
2051	0	0	172	117	-515	-404	-1,351	-1,004	-1,252	-354	0	0	-4,591
2052	0	0	178	122	-527	-410	-1,384	-1,027	-1,285	-363	0	0	-4,697
2053	0	0	183	127	-539	-416	-1,419	-1,050	-1,319	-373	0	0	-4,806
2054	0	0	189	133	-552	-422	-1,454	-1,075	-1,354	-383	0	0	-4,918
2055	0	0	195	138	-565	-428	-1,491	-1,100	-1,390	-393	0	0	-5,034
2056	0	0	201	144	-578	-435	-1,528	-1,126	-1,427	-403	0	0	-5,154
2057	0	0	207	150	-592	-442	-1,567	-1,153	-1,466	-414	0	0	-5,277
2058	0	0	214	156	-607	-449	-1,607	-1,181	-1,505	-425	0	0	-5,405
2059	0	0	220	162	-621	-457	-1,648	-1,210	-1,545	-437	0	0	-5,536
2060	0	0	227	168	-636	-465	-1,691	-1,239	-1,587	-448	0	0	-5,671
2061	0	0	241	181	-665	-476	-1,771	-1,294	-1,667	-471	0	0	-5,923
2062	0	0	255	196	-694	-489	-1,857	-1,352	-1,753	-495	0	0	-6,189
2063	0	0	271	210	-726	-503	-1,947	-1,413	-1,842	-520	0	0	-6,470
2064	0	0	287	226	-759	-517	-2,042	-1,478	-1,937	-547	0	0	-6,768
2065	0	0	299	230	-811	-570	-2,171	-1,580	-2,050	-579	0	0	-7,232

Benjamin Table 21

Benjamin													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	-91	-82	-93	-151	-309	-438	-550	-517	-407	-179	-84	-86	-2,987
2018	-91	-82	-93	-151	-309	-439	-552	-518	-409	-179	-84	-86	-2,994
2019	-91	-82	-93	-151	-310	-440	-554	-520	-411	-180	-84	-86	-3,001
2020	-91	-82	-93	-151	-311	-441	-556	-521	-412	-180	-85	-86	-3,008
2021	-91	-82	-93	-151	-311	-441	-557	-522	-413	-181	-85	-86	-3,012
2022	-91	-82	-93	-151	-312	-442	-558	-523	-414	-181	-85	-86	-3,016
2023	-91	-82	-93	-151	-312	-443	-559	-524	-414	-181	-85	-86	-3,020
2024	-91	-82	-93	-151	-313	-443	-560	-525	-415	-181	-85	-86	-3,024
2025	-91	-82	-93	-151	-313	-444	-560	-525	-416	-181	-85	-86	-3,028
2026	-91	-82	-93	-151	-314	-445	-561	-526	-416	-182	-85	-86	-3,031
2027	-91	-82	-93	-151	-314	-445	-562	-527	-417	-182	-85	-86	-3,035
2028	-91	-82	-93	-152	-314	-446	-563	-528	-418	-182	-85	-86	-3,039
2029	-91	-82	-93	-152	-315	-447	-564	-529	-418	-182	-85	-86	-3,043
2030	-91	-82	-93	-152	-315	-447	-565	-530	-419	-182	-85	-86	-3,047
2031	-91	-82	-93	-152	-316	-448	-566	-530	-419	-182	-85	-86	-3,050
2032	-91	-82	-93	-152	-316	-449	-567	-531	-420	-183	-85	-86	-3,054
2033	-91	-82	-93	-152	-317	-449	-568	-532	-421	-183	-85	-86	-3,058
2034	-91	-82	-93	-152	-317	-450	-569	-533	-421	-183	-85	-86	-3,062
2035	-91	-82	-93	-153	-317	-451	-569	-534	-422	-183	-85	-86	-3,066
2036	-91	-82	-93	-153	-318	-451	-570	-535	-423	-183	-85	-86	-3,070
2037	-91	-82	-93	-153	-318	-452	-571	-536	-423	-184	-85	-86	-3,073
2038	-91	-82	-93	-153	-319	-453	-572	-536	-424	-184	-85	-86	-3,077
2039	-91	-82	-93	-153	-319	-453	-573	-537	-425	-184	-85	-86	-3,081
2040	-91	-82	-93	-153	-320	-454	-574	-538	-425	-184	-85	-86	-3,085
2041	-93	-84	-88	-148	-334	-459	-613	-564	-466	-197	-87	-89	-3,223
2042	-96	-87	-83	-141	-352	-465	-660	-595	-513	-212	-90	-91	-3,386
2043	-100	-90	-77	-134	-372	-473	-715	-633	-570	-230	-93	-95	-3,580
2044	-104	-94	-69	-125	-397	-482	-780	-676	-637	-252	-97	-98	-3,811
2045	-108	-98	-61	-115	-426	-493	-858	-729	-716	-277	-101	-103	-4,084
2046	-114	-103	-50	-103	-460	-506	-950	-790	-809	-307	-106	-108	-4,407
2047	-121	-109	-38	-88	-501	-521	-1,059	-864	-920	-343	-112	-115	-4,792
2048	-139	-126	-34	-82	-562	-554	-1,202	-965	-1,063	-395	-130	-132	-5,383
2049	-201	-182	-72	-112	-681	-645	-1,428	-1,138	-1,280	-498	-188	-191	-6,617
2050	-275	-248	-117	-148	-822	-754	-1,695	-1,344	-1,535	-619	-256	-261	-8,076
2051	-288	-260	-124	-155	-848	-775	-1,745	-1,383	-1,582	-641	-268	-273	-8,342
2052	-301	-271	-132	-162	-874	-798	-1,796	-1,423	-1,630	-663	-280	-286	-8,616
2053	-314	-283	-140	-169	-902	-821	-1,848	-1,464	-1,679	-686	-292	-298	-8,898
2054	-327	-296	-148	-177	-930	-844	-1,902	-1,507	-1,730	-709	-305	-311	-9,187
2055	-341	-308	-157	-184	-959	-869	-1,958	-1,550	-1,782	-733	-318	-324	-9,485
2056	-356	-321	-165	-192	-989	-894	-2,015	-1,595	-1,835	-758	-331	-338	-9,791
2057	-370	-334	-174	-200	-1,020	-920	-2,074	-1,642	-1,890	-783	-345	-352	-10,105
2058	-385	-348	-183	-209	-1,051	-946	-2,135	-1,689	-1,946	-809	-359	-366	-10,429
2059	-401	-362	-193	-217	-1,084	-974	-2,197	-1,738	-2,005	-836	-373	-381	-10,761
2060	-417	-376	-202	-226	-1,117	-1,002	-2,261	-1,789	-2,064	-864	-388	-396	-11,103
2061	-449	-406	-222	-243	-1,183	-1,056	-2,386	-1,886	-2,182	-919	-418	-427	-11,777
2062	-483	-436	-242	-261	-1,252	-1,112	-2,518	-1,989	-2,306	-976	-450	-459	-12,486
2063	-519	-469	-264	-280	-1,325	-1,172	-2,657	-2,098	-2,437	-1,037	-483	-493	-13,234
2064	-556	-503	-287	-300	-1,402	-1,235	-2,804	-2,212	-2,575	-1,101	-519	-529	-14,023
2065	-596	-538	-315	-334	-1,499	-1,339	-2,987	-2,366	-2,733	-1,173	-555	-566	-15,003

Benjamin Table 22

Benjamin													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2018	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2019	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2020	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2021	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2022	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2023	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2024	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2025	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2026	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2027	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2028	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2029	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2030	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2031	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2032	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2033	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2034	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2035	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2036	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2037	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2038	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2039	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2040	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2041	-91	-82	-93	-86	-105	-117	-124	-119	-104	-90	-84	-86	-1,181
2042	-91	-82	-93	-86	-105	-117	-124	-120	-104	-90	-85	-86	-1,182
2043	-91	-82	-94	-86	-105	-117	-124	-120	-104	-91	-85	-86	-1,184
2044	-91	-82	-94	-86	-105	-117	-125	-120	-104	-91	-85	-86	-1,186
2045	-91	-82	-94	-86	-105	-118	-125	-120	-105	-91	-85	-87	-1,189
2046	-91	-83	-94	-86	-105	-118	-125	-121	-105	-91	-85	-87	-1,191
2047	-92	-83	-94	-87	-106	-118	-125	-121	-105	-91	-85	-87	-1,195
2048	-102	-92	-106	-97	-118	-132	-140	-135	-117	-102	-95	-97	-1,335
2049	-156	-141	-161	-147	-180	-201	-213	-206	-179	-155	-145	-148	-2,033
2050	-219	-198	-226	-207	-253	-283	-300	-289	-251	-218	-204	-208	-2,857
2051	-230	-208	-237	-217	-265	-297	-315	-303	-263	-229	-214	-218	-2,997
2052	-241	-218	-248	-228	-278	-311	-330	-318	-276	-240	-225	-229	-3,141
2053	-252	-228	-260	-239	-291	-326	-345	-333	-289	-252	-235	-240	-3,289
2054	-264	-238	-272	-250	-305	-341	-361	-348	-303	-263	-246	-251	-3,441
2055	-276	-249	-284	-261	-318	-356	-378	-364	-316	-275	-257	-262	-3,596
2056	-288	-260	-297	-272	-333	-372	-394	-380	-330	-287	-268	-274	-3,756
2057	-301	-272	-310	-284	-347	-388	-412	-397	-345	-300	-280	-286	-3,920
2058	-314	-283	-323	-297	-362	-405	-429	-414	-359	-313	-292	-298	-4,088
2059	-327	-295	-337	-309	-377	-422	-447	-431	-375	-326	-305	-311	-4,261
2060	-340	-307	-351	-322	-393	-439	-466	-449	-390	-339	-317	-323	-4,438
2061	-368	-332	-379	-348	-425	-475	-504	-485	-422	-367	-343	-350	-4,799
2062	-397	-359	-409	-376	-459	-513	-544	-524	-455	-396	-370	-378	-5,180
2063	-428	-386	-441	-405	-494	-552	-586	-564	-491	-427	-399	-407	-5,579
2064	-460	-416	-474	-435	-531	-594	-630	-607	-528	-459	-429	-437	-6,000
2065	-494	-446	-509	-467	-570	-638	-676	-652	-566	-493	-460	-470	-6,443

Benjamin Table 23

Benjamin													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-65	-204	-322	-426	-398	-304	-89	0	0	-1,807
2018	0	0	0	-65	-205	-322	-427	-398	-305	-89	0	0	-1,810
2019	0	0	0	-65	-205	-322	-428	-399	-306	-89	0	0	-1,813
2020	0	0	1	-64	-205	-322	-429	-399	-307	-89	0	0	-1,816
2021	0	0	1	-64	-205	-322	-430	-400	-307	-90	0	0	-1,819
2022	0	0	1	-65	-206	-323	-431	-401	-308	-90	0	0	-1,821
2023	0	0	1	-65	-206	-323	-431	-401	-308	-90	0	0	-1,824
2024	0	0	1	-65	-206	-324	-432	-402	-309	-90	0	0	-1,827
2025	0	0	1	-65	-207	-324	-433	-403	-309	-90	0	0	-1,830
2026	0	0	1	-65	-207	-325	-434	-403	-310	-90	0	0	-1,833
2027	0	0	1	-65	-207	-325	-434	-404	-310	-90	0	0	-1,836
2028	0	0	1	-65	-208	-326	-435	-404	-311	-91	0	0	-1,839
2029	0	0	1	-65	-208	-326	-436	-405	-311	-91	0	0	-1,842
2030	0	0	1	-65	-208	-327	-436	-406	-312	-91	0	0	-1,844
2031	0	0	1	-66	-209	-327	-437	-406	-312	-91	0	0	-1,847
2032	0	0	1	-66	-209	-328	-438	-407	-313	-91	0	0	-1,850
2033	0	0	1	-66	-209	-328	-438	-408	-313	-91	0	0	-1,853
2034	0	0	1	-66	-210	-329	-439	-408	-313	-91	0	0	-1,856
2035	0	0	1	-66	-210	-329	-440	-409	-314	-92	0	0	-1,859
2036	0	0	1	-66	-210	-330	-440	-410	-314	-92	0	0	-1,862
2037	0	0	1	-66	-211	-330	-441	-410	-315	-92	0	0	-1,864
2038	0	0	1	-66	-211	-331	-442	-411	-315	-92	0	0	-1,867
2039	0	0	1	-66	-211	-331	-442	-411	-316	-92	0	0	-1,870
2040	0	0	1	-66	-212	-332	-443	-412	-316	-92	0	0	-1,873
2041	0	0	8	-56	-214	-318	-458	-416	-339	-98	0	0	-1,891
2042	0	0	16	-43	-216	-302	-476	-420	-366	-106	0	0	-1,913
2043	0	0	26	-27	-219	-283	-498	-426	-398	-114	0	0	-1,939
2044	0	0	37	-10	-222	-261	-523	-432	-436	-125	0	0	-1,971
2045	0	0	51	11	-226	-235	-554	-440	-480	-137	0	0	-2,010
2046	0	0	67	36	-231	-205	-590	-450	-534	-151	0	0	-2,058
2047	0	0	86	65	-237	-169	-633	-462	-596	-168	0	0	-2,115
2048	0	0	109	100	-245	-127	-684	-476	-671	-189	0	0	-2,183
2049	0	0	136	140	-254	-78	-745	-494	-759	-213	0	0	-2,267
2050	0	0	167	188	-264	-21	-818	-515	-864	-241	0	0	-2,367
2051	0	0	172	196	-268	-14	-833	-521	-884	-247	0	0	-2,398
2052	0	0	178	204	-271	-6	-849	-528	-904	-252	0	0	-2,429
2053	0	0	183	212	-275	2	-866	-535	-925	-258	0	0	-2,462
2054	0	0	189	220	-278	9	-883	-542	-947	-264	0	0	-2,496
2055	0	0	195	228	-282	17	-900	-550	-970	-270	0	0	-2,532
2056	0	0	201	237	-286	25	-918	-558	-993	-277	0	0	-2,569
2057	0	0	207	246	-291	33	-937	-566	-1,017	-283	0	0	-2,607
2058	0	0	214	255	-295	42	-956	-574	-1,041	-290	0	0	-2,647
2059	0	0	220	264	-299	50	-976	-583	-1,067	-297	0	0	-2,688
2060	0	0	227	274	-304	59	-997	-592	-1,093	-304	0	0	-2,731
2061	0	0	241	294	-312	79	-1,034	-607	-1,143	-318	0	0	-2,800
2062	0	0	255	315	-320	101	-1,074	-623	-1,196	-332	0	0	-2,874
2063	0	0	271	337	-328	124	-1,116	-639	-1,251	-348	0	0	-2,952
2064	0	0	287	360	-338	147	-1,161	-657	-1,310	-364	0	0	-3,036
2065	0	0	299	372	-364	135	-1,237	-709	-1,385	-385	0	0	-3,275

Benjamin Table 24

Benjamin													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	-90	-82	-93	-151	-309	-438	-550	-517	-407	-179	-84	-86	-2,987
2018	-90	-82	-93	-150	-309	-438	-551	-517	-408	-179	-84	-86	-2,989
2019	-90	-82	-93	-150	-309	-438	-552	-518	-409	-179	-84	-86	-2,992
2020	-90	-82	-93	-150	-310	-439	-553	-519	-410	-180	-84	-86	-2,995
2021	-90	-82	-93	-150	-310	-439	-554	-519	-411	-180	-84	-86	-2,998
2022	-90	-82	-93	-150	-310	-440	-555	-520	-411	-180	-84	-86	-3,001
2023	-90	-82	-93	-150	-311	-440	-555	-521	-412	-180	-84	-86	-3,004
2024	-90	-82	-93	-150	-311	-441	-556	-521	-412	-180	-84	-86	-3,007
2025	-90	-82	-93	-150	-311	-441	-557	-522	-413	-180	-84	-86	-3,010
2026	-90	-82	-93	-151	-312	-442	-557	-523	-413	-181	-84	-86	-3,013
2027	-90	-82	-93	-151	-312	-442	-558	-523	-414	-181	-84	-86	-3,016
2028	-90	-82	-93	-151	-312	-443	-559	-524	-414	-181	-84	-86	-3,018
2029	-90	-82	-93	-151	-313	-443	-559	-524	-415	-181	-84	-86	-3,021
2030	-90	-82	-93	-151	-313	-444	-560	-525	-415	-181	-84	-86	-3,024
2031	-90	-82	-93	-151	-313	-444	-561	-526	-416	-181	-84	-86	-3,027
2032	-90	-82	-93	-151	-314	-445	-561	-526	-416	-181	-84	-86	-3,030
2033	-90	-82	-93	-151	-314	-445	-562	-527	-417	-181	-84	-86	-3,033
2034	-90	-82	-93	-151	-314	-446	-563	-528	-417	-182	-84	-86	-3,036
2035	-90	-82	-93	-151	-314	-446	-563	-528	-418	-182	-84	-86	-3,038
2036	-90	-82	-93	-152	-315	-447	-564	-529	-418	-182	-84	-86	-3,041
2037	-90	-82	-93	-152	-315	-447	-565	-530	-419	-182	-84	-86	-3,044
2038	-90	-82	-93	-152	-315	-448	-566	-530	-419	-182	-84	-86	-3,047
2039	-90	-82	-93	-152	-316	-448	-566	-531	-420	-182	-84	-86	-3,050
2040	-90	-82	-93	-152	-316	-449	-567	-531	-420	-182	-84	-86	-3,053
2041	-91	-82	-86	-141	-318	-435	-582	-535	-443	-189	-84	-86	-3,072
2042	-91	-82	-77	-128	-321	-419	-600	-540	-470	-196	-85	-86	-3,095
2043	-91	-82	-68	-113	-323	-400	-622	-545	-502	-205	-85	-86	-3,124
2044	-91	-82	-56	-96	-327	-379	-648	-552	-540	-215	-85	-86	-3,158
2045	-91	-82	-43	-75	-331	-353	-679	-561	-585	-228	-85	-87	-3,199
2046	-91	-83	-27	-50	-337	-323	-715	-571	-638	-242	-85	-87	-3,249
2047	-92	-83	-8	-21	-343	-287	-759	-583	-701	-260	-85	-87	-3,309
2048	-102	-92	3	3	-363	-260	-824	-611	-788	-291	-95	-97	-3,518
2049	-156	-141	-25	-7	-433	-280	-959	-699	-938	-368	-145	-148	-4,300
2050	-219	-198	-59	-19	-517	-304	-1,118	-804	-1,115	-460	-204	-208	-5,224
2051	-230	-208	-65	-22	-533	-310	-1,148	-824	-1,147	-476	-214	-218	-5,395
2052	-241	-218	-71	-24	-549	-317	-1,179	-846	-1,180	-493	-225	-229	-5,571
2053	-252	-228	-77	-27	-566	-324	-1,211	-868	-1,215	-510	-235	-240	-5,751
2054	-264	-238	-83	-30	-583	-331	-1,244	-890	-1,250	-527	-246	-251	-5,937
2055	-276	-249	-89	-32	-601	-339	-1,278	-914	-1,286	-545	-257	-262	-6,128
2056	-288	-260	-96	-35	-619	-347	-1,313	-938	-1,323	-564	-268	-274	-6,325
2057	-301	-272	-102	-38	-638	-355	-1,349	-962	-1,362	-583	-280	-286	-6,527
2058	-314	-283	-109	-42	-657	-363	-1,386	-988	-1,401	-603	-292	-298	-6,735
2059	-327	-295	-116	-45	-677	-372	-1,424	-1,014	-1,441	-623	-305	-311	-6,949
2060	-340	-307	-124	-48	-697	-381	-1,463	-1,041	-1,483	-644	-317	-323	-7,169
2061	-368	-332	-138	-54	-737	-396	-1,538	-1,092	-1,565	-685	-343	-350	-7,599
2062	-397	-359	-154	-61	-778	-412	-1,618	-1,147	-1,651	-728	-370	-378	-8,053
2063	-428	-386	-170	-68	-822	-429	-1,702	-1,204	-1,742	-774	-399	-407	-8,532
2064	-460	-416	-188	-75	-869	-447	-1,791	-1,264	-1,838	-823	-429	-437	-9,036
2065	-494	-446	-210	-95	-935	-503	-1,914	-1,361	-1,952	-878	-460	-470	-9,718

Benjamin Table 25

Benjamin													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	-90	-82	-93	-86	-104	-117	-124	-119	-104	-90	-84	-86	-1,180
2018	-90	-81	-93	-85	-104	-116	-123	-119	-103	-90	-84	-86	-1,175
2019	-90	-81	-93	-85	-104	-116	-123	-118	-103	-90	-84	-85	-1,171
2020	-89	-81	-92	-85	-103	-115	-122	-118	-103	-89	-83	-85	-1,166
2021	-89	-80	-92	-84	-103	-115	-122	-117	-102	-89	-83	-85	-1,160
2022	-88	-80	-91	-84	-102	-114	-121	-117	-101	-88	-82	-84	-1,154
2023	-88	-79	-91	-83	-102	-114	-120	-116	-101	-88	-82	-84	-1,147
2024	-88	-79	-90	-83	-101	-113	-120	-115	-100	-87	-82	-83	-1,141
2025	-87	-79	-90	-82	-101	-112	-119	-115	-100	-87	-81	-83	-1,135
2026	-87	-78	-89	-82	-100	-112	-119	-114	-99	-86	-81	-82	-1,129
2027	-86	-78	-89	-81	-99	-111	-118	-114	-99	-86	-80	-82	-1,123
2028	-86	-77	-88	-81	-99	-111	-117	-113	-98	-85	-80	-81	-1,117
2029	-85	-77	-88	-81	-98	-110	-117	-112	-98	-85	-79	-81	-1,111
2030	-85	-77	-87	-80	-98	-109	-116	-112	-97	-85	-79	-81	-1,105
2031	-85	-76	-87	-80	-98	-109	-116	-111	-97	-84	-79	-80	-1,102
2032	-84	-76	-87	-80	-97	-109	-115	-111	-97	-84	-78	-80	-1,098
2033	-84	-76	-87	-79	-97	-108	-115	-111	-96	-84	-78	-80	-1,095
2034	-84	-76	-86	-79	-97	-108	-115	-110	-96	-83	-78	-80	-1,091
2035	-83	-75	-86	-79	-96	-108	-114	-110	-96	-83	-78	-79	-1,088
2036	-83	-75	-86	-79	-96	-107	-114	-110	-95	-83	-77	-79	-1,084
2037	-83	-75	-85	-78	-96	-107	-113	-109	-95	-83	-77	-79	-1,081
2038	-83	-75	-85	-78	-95	-107	-113	-109	-95	-82	-77	-79	-1,077
2039	-82	-74	-85	-78	-95	-106	-113	-109	-94	-82	-77	-78	-1,074
2040	-82	-74	-85	-78	-95	-106	-112	-108	-94	-82	-76	-78	-1,070
2041	-81	-73	-83	-76	-93	-104	-111	-107	-93	-81	-75	-77	-1,054
2042	-79	-72	-82	-75	-92	-102	-109	-105	-91	-79	-74	-75	-1,035
2043	-78	-70	-80	-73	-90	-100	-106	-102	-89	-77	-72	-74	-1,012
2044	-75	-68	-78	-71	-87	-97	-103	-100	-87	-75	-70	-72	-984
2045	-73	-66	-75	-69	-84	-94	-100	-96	-84	-73	-68	-69	-951
2046	-70	-63	-72	-66	-81	-90	-96	-92	-80	-70	-65	-66	-912
2047	-66	-60	-68	-63	-77	-86	-91	-87	-76	-66	-62	-63	-865
2048	-72	-65	-75	-69	-84	-94	-99	-96	-83	-72	-68	-69	-945
2049	-120	-109	-124	-114	-139	-155	-165	-159	-138	-120	-112	-115	-1,571
2050	-177	-160	-183	-167	-204	-229	-242	-234	-203	-177	-165	-168	-2,309
2051	-186	-168	-192	-176	-215	-240	-255	-246	-214	-186	-174	-177	-2,429
2052	-196	-177	-202	-185	-226	-253	-268	-258	-224	-195	-182	-186	-2,552
2053	-205	-185	-212	-194	-237	-265	-281	-271	-235	-205	-191	-195	-2,678
2054	-215	-194	-222	-204	-248	-278	-295	-284	-247	-215	-201	-205	-2,807
2055	-225	-204	-232	-213	-260	-291	-309	-297	-258	-225	-210	-214	-2,939
2056	-236	-213	-243	-223	-272	-304	-323	-311	-270	-235	-220	-224	-3,074
2057	-246	-223	-254	-233	-284	-318	-337	-325	-282	-246	-230	-234	-3,213
2058	-257	-232	-265	-243	-297	-332	-352	-339	-295	-257	-240	-245	-3,355
2059	-269	-243	-277	-254	-310	-347	-368	-354	-308	-268	-250	-255	-3,501
2060	-280	-253	-289	-265	-323	-361	-383	-369	-321	-279	-261	-266	-3,650
2061	-304	-274	-313	-287	-351	-392	-416	-401	-348	-303	-283	-289	-3,961
2062	-329	-297	-339	-311	-380	-424	-450	-434	-377	-328	-306	-313	-4,288
2063	-355	-321	-366	-336	-410	-458	-486	-469	-407	-354	-331	-338	-4,632
2064	-383	-346	-395	-362	-442	-494	-524	-505	-439	-382	-357	-364	-4,992
2065	-412	-372	-425	-390	-476	-532	-564	-543	-472	-411	-384	-391	-5,371

Benjamin Table 26

Benjamin													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-65	-204	-322	-426	-398	-304	-89	0	0	-1,807
2018	0	0	0	-64	-202	-318	-423	-394	-302	-88	0	0	-1,792
2019	0	0	0	-63	-201	-315	-420	-391	-300	-87	0	0	-1,777
2020	0	0	1	-62	-199	-312	-417	-388	-298	-87	0	0	-1,762
2021	0	0	1	-62	-197	-308	-411	-383	-294	-86	0	0	-1,739
2022	0	0	1	-61	-194	-304	-406	-378	-290	-85	0	0	-1,717
2023	0	0	1	-60	-192	-300	-401	-373	-286	-84	0	0	-1,695
2024	0	0	1	-59	-189	-296	-396	-368	-283	-82	0	0	-1,673
2025	0	0	1	-58	-187	-293	-391	-363	-279	-81	0	0	-1,652
2026	0	0	1	-58	-184	-289	-386	-359	-276	-80	0	0	-1,630
2027	0	0	1	-57	-182	-285	-381	-354	-272	-79	0	0	-1,609
2028	0	0	1	-56	-179	-281	-376	-349	-269	-78	0	0	-1,588
2029	0	0	1	-55	-177	-278	-371	-345	-265	-77	0	0	-1,568
2030	0	0	1	-55	-175	-274	-366	-340	-262	-76	0	0	-1,547
2031	0	0	1	-54	-174	-272	-363	-338	-260	-76	0	0	-1,536
2032	0	0	1	-54	-172	-270	-361	-335	-258	-75	0	0	-1,524
2033	0	0	1	-53	-171	-268	-358	-333	-256	-75	0	0	-1,513
2034	0	0	1	-53	-170	-266	-355	-330	-254	-74	0	0	-1,502
2035	0	0	1	-53	-168	-264	-353	-328	-252	-73	0	0	-1,490
2036	0	0	1	-52	-167	-262	-350	-325	-250	-73	0	0	-1,479
2037	0	0	1	-52	-166	-260	-347	-323	-248	-72	0	0	-1,468
2038	0	0	1	-51	-165	-258	-345	-320	-246	-72	0	0	-1,457
2039	0	0	1	-51	-163	-256	-342	-318	-245	-71	0	0	-1,446
2040	0	0	1	-51	-162	-254	-340	-316	-243	-71	0	0	-1,435
2041	0	0	8	-37	-156	-228	-338	-304	-254	-74	0	0	-1,383
2042	0	0	16	-21	-149	-197	-337	-290	-267	-77	0	0	-1,322
2043	0	0	26	-3	-141	-160	-335	-274	-282	-81	0	0	-1,249
2044	0	0	37	19	-131	-117	-332	-254	-300	-85	0	0	-1,162
2045	0	0	51	46	-119	-66	-329	-231	-321	-90	0	0	-1,060
2046	0	0	67	76	-105	-6	-326	-204	-346	-96	0	0	-938
2047	0	0	86	113	-88	66	-321	-171	-375	-104	0	0	-794
2048	0	0	109	156	-68	150	-316	-133	-409	-112	0	0	-623
2049	0	0	136	207	-45	250	-309	-87	-449	-122	0	0	-419
2050	0	0	167	267	-17	369	-301	-33	-496	-134	0	0	-178
2051	0	0	172	278	-11	391	-297	-21	-502	-135	0	0	-126
2052	0	0	178	289	-5	413	-293	-9	-508	-137	0	0	-72
2053	0	0	183	300	2	437	-288	3	-515	-138	0	0	-17
2054	0	0	189	311	8	461	-284	16	-521	-140	0	0	40
2055	0	0	195	323	15	485	-279	29	-528	-141	0	0	99
2056	0	0	201	335	22	511	-274	43	-535	-143	0	0	159
2057	0	0	207	348	29	537	-269	56	-542	-145	0	0	222
2058	0	0	214	361	36	564	-264	71	-549	-146	0	0	286
2059	0	0	220	374	44	591	-259	86	-556	-148	0	0	352
2060	0	0	227	387	52	620	-253	101	-563	-150	0	0	420
2061	0	0	241	415	67	676	-243	130	-580	-154	0	0	552
2062	0	0	255	443	83	736	-233	162	-597	-158	0	0	692
2063	0	0	271	474	100	798	-222	195	-614	-162	0	0	839
2064	0	0	287	505	118	865	-210	230	-633	-166	0	0	996
2065	0	0	299	527	120	898	-225	234	-665	-175	0	0	1,012

Benjamin Table 27

Benjamin													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	-90	-82	-93	-151	-309	-438	-550	-517	-407	-179	-84	-86	-2,987
2018	-90	-81	-93	-149	-307	-435	-547	-513	-405	-178	-84	-86	-2,967
2019	-90	-81	-92	-148	-304	-431	-543	-509	-403	-177	-84	-85	-2,947
2020	-89	-81	-92	-147	-302	-428	-539	-506	-400	-176	-83	-85	-2,928
2021	-89	-80	-91	-146	-299	-423	-533	-500	-396	-174	-83	-85	-2,899
2022	-88	-80	-91	-144	-296	-418	-527	-494	-392	-173	-82	-84	-2,871
2023	-88	-79	-90	-143	-293	-414	-521	-489	-387	-171	-82	-84	-2,842
2024	-88	-79	-90	-142	-290	-409	-516	-484	-383	-170	-82	-83	-2,815
2025	-87	-79	-89	-141	-287	-405	-510	-478	-379	-168	-81	-83	-2,787
2026	-87	-78	-89	-140	-284	-401	-504	-473	-375	-167	-81	-82	-2,760
2027	-86	-78	-88	-138	-281	-396	-499	-468	-371	-165	-80	-82	-2,732
2028	-86	-77	-88	-137	-278	-392	-493	-462	-367	-164	-80	-81	-2,706
2029	-85	-77	-87	-136	-276	-388	-488	-457	-363	-162	-79	-81	-2,679
2030	-85	-77	-87	-135	-273	-383	-482	-452	-359	-161	-79	-81	-2,653
2031	-85	-76	-86	-134	-271	-381	-479	-449	-357	-160	-79	-80	-2,638
2032	-84	-76	-86	-134	-269	-379	-476	-446	-354	-159	-78	-80	-2,623
2033	-84	-76	-86	-133	-268	-376	-473	-444	-352	-158	-78	-80	-2,608
2034	-84	-76	-86	-132	-266	-374	-470	-441	-350	-157	-78	-80	-2,593
2035	-83	-75	-85	-132	-265	-371	-467	-438	-348	-157	-78	-79	-2,578
2036	-83	-75	-85	-131	-263	-369	-464	-435	-346	-156	-77	-79	-2,563
2037	-83	-75	-85	-130	-262	-367	-461	-432	-343	-155	-77	-79	-2,549
2038	-83	-75	-85	-130	-260	-364	-458	-429	-341	-154	-77	-79	-2,534
2039	-82	-74	-84	-129	-258	-362	-455	-427	-339	-153	-77	-78	-2,520
2040	-82	-74	-84	-128	-257	-360	-452	-424	-337	-153	-76	-78	-2,505
2041	-81	-73	-76	-114	-249	-332	-449	-411	-346	-154	-75	-77	-2,437
2042	-79	-72	-66	-96	-241	-299	-445	-395	-358	-156	-74	-75	-2,356
2043	-78	-70	-54	-76	-230	-260	-441	-376	-371	-158	-72	-74	-2,260
2044	-75	-68	-40	-52	-218	-214	-436	-354	-386	-160	-70	-72	-2,146
2045	-73	-66	-24	-23	-203	-160	-429	-327	-404	-163	-68	-69	-2,011
2046	-70	-63	-5	10	-185	-96	-422	-296	-426	-166	-65	-66	-1,850
2047	-66	-60	18	50	-165	-20	-412	-259	-451	-170	-62	-63	-1,659
2048	-72	-65	34	88	-152	57	-415	-228	-492	-184	-68	-69	-1,567
2049	-120	-109	11	93	-184	95	-474	-246	-587	-242	-112	-115	-1,990
2050	-177	-160	-16	100	-221	140	-543	-267	-699	-310	-165	-168	-2,487
2051	-186	-168	-20	101	-226	150	-552	-267	-715	-321	-174	-177	-2,555
2052	-196	-177	-24	103	-231	161	-561	-267	-733	-332	-182	-186	-2,624
2053	-205	-185	-28	106	-235	172	-570	-268	-750	-343	-191	-195	-2,695
2054	-215	-194	-33	108	-240	183	-579	-268	-768	-355	-201	-205	-2,767
2055	-225	-204	-37	110	-245	195	-588	-268	-786	-366	-210	-214	-2,840
2056	-236	-213	-42	112	-250	207	-597	-268	-805	-378	-220	-224	-2,915
2057	-246	-223	-47	115	-255	219	-607	-269	-824	-390	-230	-234	-2,991
2058	-257	-232	-51	117	-261	232	-616	-269	-844	-403	-240	-245	-3,069
2059	-269	-243	-56	120	-266	245	-626	-268	-864	-416	-250	-255	-3,149
2060	-280	-253	-61	123	-271	258	-636	-268	-884	-429	-261	-266	-3,230
2061	-304	-274	-72	127	-284	284	-659	-270	-928	-457	-283	-289	-3,409
2062	-329	-297	-84	132	-297	311	-683	-272	-974	-486	-306	-313	-3,597
2063	-355	-321	-95	138	-310	340	-708	-274	-1,022	-516	-331	-338	-3,792
2064	-383	-346	-108	143	-324	371	-734	-275	-1,072	-548	-357	-364	-3,996
2065	-412	-372	-125	137	-355	366	-789	-309	-1,137	-586	-384	-391	-4,358

ELK RIDGE

Explanation of Supply and Demand Tables – Elk Ridge City

Elk Ridge Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Elk Ridge Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Elk Ridge Table 3: Strawberry Valley Project. The Strawberry Valley Project (SVP) volume is based on the current number of SVP shares within the City's existing corporate boundary. As the City is not serviced by canals providing SVP water, this table consists of all zeros.

Elk Ridge Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Elk Ridge Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Elk Ridge Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Elk Ridge Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Elk Ridge Table 8: Spanish Fork River. No Spanish Fork river water is provided to the City, therefore this table consists of all zeros.

Elk Ridge Table 9: Irrigation Shares. No other sources owned by local irrigation companies including local streams, springs, and wells, are available to the City, therefore this table consists of all zeros.

Elk Ridge Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Elk Ridge, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Elk Ridge Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Elk Ridge, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Elk Ridge Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Elk Ridge Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Elk Ridge Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Elk Ridge Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Elk Ridge Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Elk Ridge Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Elk Ridge Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in

2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Elk Ridge Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Elk Ridge Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Elk Ridge Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Elk Ridge Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Elk Ridge Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Elk Ridge Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Elk Ridge Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Elk Ridge Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Elk Ridge Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Elk Ridge Table 1

Elk Ridge													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Elk Ridge Table 2

Elk Ridge													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	28	88	139	184	171	131	38	0	0	779
2026	0	0	0	28	88	139	184	171	131	38	0	0	779
2027	0	0	0	28	88	139	184	171	131	38	0	0	779
2028	0	0	0	28	88	139	184	171	131	38	0	0	779
2029	0	0	0	28	88	139	184	171	131	38	0	0	779
2030	0	0	0	28	88	139	184	171	131	38	0	0	779
2031	0	0	0	28	88	139	184	171	131	38	0	0	779
2032	0	0	0	28	88	139	184	171	131	38	0	0	779
2033	0	0	0	28	88	139	184	171	131	38	0	0	779
2034	0	0	0	28	88	139	184	171	131	38	0	0	779
2035	0	0	0	28	88	139	184	171	131	38	0	0	779
2036	0	0	0	28	88	139	184	171	131	38	0	0	779
2037	0	0	0	28	88	139	184	171	131	38	0	0	779
2038	0	0	0	28	88	139	184	171	131	38	0	0	779
2039	0	0	0	28	88	139	184	171	131	38	0	0	779
2040	0	0	0	28	88	139	184	171	131	38	0	0	779
2041	0	0	0	28	88	139	184	171	131	38	0	0	779
2042	0	0	0	28	88	139	184	171	131	38	0	0	779
2043	0	0	0	28	88	139	184	171	131	38	0	0	779
2044	0	0	0	28	88	139	184	171	131	38	0	0	779
2045	0	0	0	28	88	139	184	171	131	38	0	0	779
2046	0	0	0	28	88	139	184	171	131	38	0	0	779
2047	0	0	0	28	88	139	184	171	131	38	0	0	779
2048	0	0	0	28	88	139	184	171	131	38	0	0	779
2049	0	0	0	28	88	139	184	171	131	38	0	0	779
2050	0	0	0	28	88	139	184	171	131	38	0	0	779
2051	0	0	0	28	88	139	184	171	131	38	0	0	779
2052	0	0	0	28	88	139	184	171	131	38	0	0	779
2053	0	0	0	28	88	139	184	171	131	38	0	0	779
2054	0	0	0	28	88	139	184	171	131	38	0	0	779
2055	0	0	0	28	88	139	184	171	131	38	0	0	779
2056	0	0	0	28	88	139	184	171	131	38	0	0	779
2057	0	0	0	28	88	139	184	171	131	38	0	0	779
2058	0	0	0	28	88	139	184	171	131	38	0	0	779
2059	0	0	0	28	88	139	184	171	131	38	0	0	779
2060	0	0	0	28	88	139	184	171	131	38	0	0	779
2061	0	0	0	28	88	139	184	171	131	38	0	0	779
2062	0	0	0	28	88	139	184	171	131	38	0	0	779
2063	0	0	0	28	88	139	184	171	131	38	0	0	779
2064	0	0	0	28	88	139	184	171	131	38	0	0	779
2065	0	0	0	28	88	139	184	171	131	38	0	0	779

Elk Ridge Table 3

Elk Ridge													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Elk Ridge Table 4

Elk Ridge													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Elk Ridge Table 5

Elk Ridge													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	71	64	73	67	82	92	97	94	81	71	66	68	927
2017	71	64	73	67	82	92	97	94	81	71	66	68	927
2018	71	64	73	67	82	92	97	94	81	71	66	68	927
2019	71	64	73	67	82	92	97	94	81	71	66	68	927
2020	71	64	73	67	82	92	97	94	81	71	66	68	927
2021	71	64	73	67	82	92	97	94	81	71	66	68	927
2022	71	64	73	67	82	92	97	94	81	71	66	68	927
2023	71	64	73	67	82	92	97	94	81	71	66	68	927
2024	71	64	73	67	82	92	97	94	81	71	66	68	927
2025	71	64	73	67	82	92	97	94	81	71	66	68	927
2026	71	64	73	67	82	92	97	94	81	71	66	68	927
2027	71	64	73	67	82	92	97	94	81	71	66	68	927
2028	71	64	73	67	82	92	97	94	81	71	66	68	927
2029	71	64	73	67	82	92	97	94	81	71	66	68	927
2030	71	64	73	67	82	92	97	94	81	71	66	68	927
2031	71	64	73	67	82	92	97	94	81	71	66	68	927
2032	71	64	73	67	82	92	97	94	81	71	66	68	927
2033	71	64	73	67	82	92	97	94	81	71	66	68	927
2034	71	64	73	67	82	92	97	94	81	71	66	68	927
2035	71	64	73	67	82	92	97	94	81	71	66	68	927
2036	71	64	73	67	82	92	97	94	81	71	66	68	927
2037	71	64	73	67	82	92	97	94	81	71	66	68	927
2038	71	64	73	67	82	92	97	94	81	71	66	68	927
2039	71	64	73	67	82	92	97	94	81	71	66	68	927
2040	71	64	73	67	82	92	97	94	81	71	66	68	927
2041	71	64	73	67	82	92	97	94	81	71	66	68	927
2042	71	64	73	67	82	92	97	94	81	71	66	68	927
2043	71	64	73	67	82	92	97	94	81	71	66	68	927
2044	71	64	73	67	82	92	97	94	81	71	66	68	927
2045	71	64	73	67	82	92	97	94	81	71	66	68	927
2046	71	64	73	67	82	92	97	94	81	71	66	68	927
2047	71	64	73	67	82	92	97	94	81	71	66	68	927
2048	71	64	73	67	82	92	97	94	81	71	66	68	927
2049	71	64	73	67	82	92	97	94	81	71	66	68	927
2050	71	64	73	67	82	92	97	94	81	71	66	68	927
2051	71	64	73	67	82	92	97	94	81	71	66	68	927
2052	71	64	73	67	82	92	97	94	81	71	66	68	927
2053	71	64	73	67	82	92	97	94	81	71	66	68	927
2054	71	64	73	67	82	92	97	94	81	71	66	68	927
2055	71	64	73	67	82	92	97	94	81	71	66	68	927
2056	71	64	73	67	82	92	97	94	81	71	66	68	927
2057	71	64	73	67	82	92	97	94	81	71	66	68	927
2058	71	64	73	67	82	92	97	94	81	71	66	68	927
2059	71	64	73	67	82	92	97	94	81	71	66	68	927
2060	71	64	73	67	82	92	97	94	81	71	66	68	927
2061	71	64	73	67	82	92	97	94	81	71	66	68	927
2062	71	64	73	67	82	92	97	94	81	71	66	68	927
2063	71	64	73	67	82	92	97	94	81	71	66	68	927
2064	71	64	73	67	82	92	97	94	81	71	66	68	927
2065	71	64	73	67	82	92	97	94	81	71	66	68	927

Elk Ridge Table 6

Elk Ridge													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Elk Ridge Table 7

Elk Ridge													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	1	1	1	1	1	1	1	1	1	1	1	1	12
2019	2	2	2	2	2	2	3	2	2	2	2	2	25
2020	3	3	3	3	3	4	4	4	3	3	3	3	37
2021	3	3	3	3	4	4	4	4	4	3	3	3	40
2022	3	3	3	3	4	4	5	4	4	3	3	3	44
2023	4	3	4	3	4	5	5	5	4	4	3	3	47
2024	4	3	4	4	4	5	5	5	4	4	4	4	50
2025	4	4	4	4	5	5	6	5	5	4	4	4	53
2026	4	4	4	4	5	6	6	6	5	4	4	4	56
2027	5	4	5	4	5	6	6	6	5	5	4	4	60
2028	5	4	5	5	6	6	7	6	6	5	5	5	63
2029	5	5	5	5	6	7	7	7	6	5	5	5	66
2030	5	5	6	5	6	7	7	7	6	5	5	5	70
2031	6	6	6	6	7	8	8	8	7	6	6	6	79
2032	7	6	7	6	8	9	9	9	8	7	6	7	89
2033	8	7	8	7	9	10	10	10	9	8	7	7	100
2034	8	8	9	8	10	11	12	11	10	8	8	8	110
2035	9	8	10	9	11	12	13	12	11	9	9	9	121
2036	10	9	10	10	12	13	14	13	12	10	9	10	131
2037	11	10	11	10	13	14	15	14	13	11	10	10	142
2038	12	11	12	11	14	15	16	16	13	12	11	11	153
2039	13	11	13	12	15	16	17	17	14	13	12	12	165
2040	14	12	14	13	16	17	19	18	15	13	13	13	176
2041	14	13	15	13	16	18	19	19	16	14	13	13	184
2042	15	13	15	14	17	19	20	19	17	15	14	14	191
2043	15	14	16	14	18	20	21	20	17	15	14	14	198
2044	16	14	16	15	18	20	22	21	18	16	15	15	206
2045	16	15	17	15	19	21	22	22	19	16	15	16	213
2046	17	15	17	16	20	22	23	22	19	17	16	16	221
2047	18	16	18	17	20	23	24	23	20	18	16	17	229
2048	18	16	19	17	21	23	25	24	21	18	17	17	237
2049	19	17	19	18	22	24	26	25	22	19	17	18	245
2050	19	18	20	18	22	25	27	26	22	19	18	18	253
2051	20	18	21	19	23	26	27	26	23	20	19	19	261
2052	21	19	21	20	24	27	28	27	24	21	19	20	270
2053	21	19	22	20	25	28	29	28	25	21	20	20	279
2054	22	20	23	21	25	28	30	29	25	22	21	21	288
2055	23	21	23	22	26	29	31	30	26	23	21	22	297
2056	23	21	24	22	27	30	32	31	27	23	22	22	306
2057	24	22	25	23	28	31	33	32	28	24	23	23	315
2058	25	22	26	24	29	32	34	33	29	25	23	24	325
2059	26	23	26	24	30	33	35	34	29	26	24	24	334
2060	26	24	27	25	30	34	36	35	30	26	25	25	344
2061	27	24	28	26	31	35	37	36	31	27	25	26	353
2062	28	25	29	26	32	36	38	37	32	28	26	26	363
2063	29	26	29	27	33	37	39	38	33	29	27	27	373
2064	29	27	30	28	34	38	40	39	34	29	27	28	383
2065	30	27	31	29	35	39	41	40	35	30	28	29	393

Elk Ridge Table 8

Elk Ridge													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Elk Ridge Table 9

Elk Ridge													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Elk Ridge Table 10

Elk Ridge													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	32	29	33	30	37	41	44	42	37	32	30	30	418
2018	33	30	34	31	38	42	45	43	38	33	31	31	429
2019	34	30	35	32	39	44	46	45	39	34	31	32	440
2020	35	31	36	33	40	45	47	46	40	35	32	33	452
2021	35	31	36	33	40	45	48	46	40	35	32	33	454
2022	35	32	36	33	40	45	48	46	40	35	33	33	457
2023	35	32	36	33	41	46	48	47	40	35	33	34	460
2024	36	32	37	34	41	46	49	47	41	35	33	34	463
2025	36	32	37	34	41	46	49	47	41	36	33	34	466
2026	36	32	37	34	41	46	49	47	41	36	33	34	469
2027	36	33	37	34	42	47	50	48	41	36	34	34	472
2028	36	33	38	34	42	47	50	48	42	36	34	35	474
2029	37	33	38	35	42	47	50	48	42	37	34	35	477
2030	37	33	38	35	43	48	50	49	42	37	34	35	480
2031	38	34	39	35	43	48	51	49	43	37	35	36	489
2032	38	34	39	36	44	49	52	50	44	38	36	36	498
2033	39	35	40	37	45	50	53	51	45	39	36	37	507
2034	40	36	41	37	46	51	54	52	45	39	37	38	516
2035	40	36	42	38	47	52	55	53	46	40	38	38	526
2036	41	37	42	39	47	53	56	54	47	41	38	39	535
2037	42	38	43	40	48	54	57	55	48	42	39	40	545
2038	43	38	44	40	49	55	58	56	49	42	40	40	555
2039	43	39	45	41	50	56	59	57	50	43	40	41	565
2040	44	40	45	42	51	57	60	58	51	44	41	42	575
2041	45	40	46	42	52	58	61	59	51	45	42	42	582
2042	45	41	47	43	52	58	62	60	52	45	42	43	588
2043	46	41	47	43	53	59	62	60	52	46	43	43	595
2044	46	42	48	44	53	60	63	61	53	46	43	44	602
2045	47	42	48	44	54	60	64	62	54	47	43	44	609
2046	47	43	49	45	54	61	65	62	54	47	44	45	615
2047	48	43	49	45	55	62	65	63	55	48	44	45	622
2048	48	44	50	46	56	62	66	64	55	48	45	46	629
2049	49	44	50	46	56	63	67	64	56	49	45	46	636
2050	49	45	51	47	57	64	68	65	57	49	46	47	644
2051	50	45	51	47	58	64	68	66	57	50	47	47	651
2052	51	46	52	48	58	65	69	67	58	50	47	48	659
2053	51	46	53	48	59	66	70	67	59	51	48	49	667
2054	52	47	53	49	60	67	71	68	59	52	48	49	675
2055	52	47	54	50	60	68	72	69	60	52	49	50	683
2056	53	48	55	50	61	68	73	70	61	53	49	50	691
2057	54	48	55	51	62	69	73	71	61	53	50	51	699
2058	54	49	56	51	63	70	74	72	62	54	51	52	707
2059	55	50	57	52	63	71	75	72	63	55	51	52	716
2060	56	50	57	53	64	72	76	73	64	55	52	53	724
2061	56	51	58	53	65	73	77	74	64	56	52	53	733
2062	57	51	59	54	66	73	78	75	65	57	53	54	742
2063	58	52	59	54	66	74	79	76	66	57	54	55	751
2064	58	53	60	55	67	75	80	77	67	58	54	55	759
2065	59	53	61	56	68	76	81	78	68	59	55	56	768

Elk Ridge Table 11

Elk Ridge													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	16	49	77	103	96	73	21	0	0	435
2018	0	0	0	16	51	80	106	98	75	22	0	0	447
2019	0	0	0	17	52	82	109	101	77	23	0	0	460
2020	0	0	0	17	53	84	112	104	79	23	0	0	473
2021	0	0	0	17	54	85	112	105	80	23	0	0	477
2022	0	0	0	17	54	86	113	106	81	24	0	0	480
2023	0	0	0	17	55	86	114	107	81	24	0	0	484
2024	0	0	0	18	55	87	115	107	82	24	0	0	488
2025	0	0	0	18	56	88	116	108	83	24	0	0	493
2026	0	0	0	18	56	88	117	109	83	24	0	0	497
2027	0	0	0	18	57	89	118	110	84	25	0	0	501
2028	0	0	0	18	57	90	119	111	85	25	0	0	505
2029	0	0	0	18	58	91	120	112	86	25	0	0	509
2030	0	0	0	18	58	91	121	113	86	25	0	0	513
2031	0	0	0	19	59	93	124	115	88	26	0	0	524
2032	0	0	0	19	60	95	126	118	90	26	0	0	534
2033	0	0	0	20	62	97	129	120	92	27	0	0	545
2034	0	0	0	20	63	99	131	122	93	27	0	0	556
2035	0	0	0	20	64	101	134	125	95	28	0	0	567
2036	0	0	0	21	65	103	137	127	97	28	0	0	579
2037	0	0	0	21	67	105	139	130	99	29	0	0	591
2038	0	0	0	22	68	107	142	133	101	30	0	0	603
2039	0	0	0	22	69	109	145	135	103	30	0	0	615
2040	0	0	0	23	71	112	148	138	105	31	0	0	627
2041	0	0	0	23	72	113	150	140	107	31	0	0	635
2042	0	0	0	23	73	115	152	142	108	32	0	0	644
2043	0	0	0	23	74	116	154	144	110	32	0	0	652
2044	0	0	0	24	75	118	156	145	111	32	0	0	661
2045	0	0	0	24	76	119	158	147	113	33	0	0	670
2046	0	0	0	24	77	121	160	149	114	33	0	0	679
2047	0	0	0	25	78	122	162	151	116	34	0	0	688
2048	0	0	0	25	79	124	164	153	117	34	0	0	697
2049	0	0	0	25	80	126	167	155	119	35	0	0	706
2050	0	0	0	26	81	127	169	157	120	35	0	0	715
2051	0	0	0	26	82	129	171	159	122	36	0	0	725
2052	0	0	0	26	83	131	173	162	123	36	0	0	735
2053	0	0	0	27	84	132	176	164	125	36	0	0	744
2054	0	0	0	27	85	134	178	166	127	37	0	0	754
2055	0	0	0	28	86	136	180	168	128	37	0	0	764
2056	0	0	0	28	87	138	183	170	130	38	0	0	774
2057	0	0	0	28	89	140	185	173	132	38	0	0	784
2058	0	0	0	29	90	141	188	175	134	39	0	0	795
2059	0	0	0	29	91	143	190	177	135	39	0	0	805
2060	0	0	0	29	92	145	193	180	137	40	0	0	816
2061	0	0	0	30	93	147	195	182	139	41	0	0	827
2062	0	0	0	30	95	149	198	184	141	41	0	0	838
2063	0	0	0	31	96	151	200	187	143	42	0	0	849
2064	0	0	0	31	97	153	203	189	144	42	0	0	860
1905	0	0	0	31	98	155	206	192	146	43	0	0	871

Elk Ridge Table 12

Elk Ridge													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	32	29	33	46	86	119	147	138	110	53	30	30	854
2018	33	30	34	47	89	122	151	142	113	55	31	31	876
2019	34	30	35	48	91	125	155	146	116	56	31	32	900
2020	35	31	36	50	93	129	159	150	119	58	32	33	924
2021	35	31	36	50	94	130	160	151	120	58	32	33	931
2022	35	32	36	50	95	131	161	152	121	59	33	33	938
2023	35	32	36	51	95	132	163	153	122	59	33	34	944
2024	36	32	37	51	96	133	164	154	123	59	33	34	951
2025	36	32	37	52	97	134	165	155	124	60	33	34	958
2026	36	32	37	52	98	135	166	157	125	60	33	34	965
2027	36	33	37	52	98	136	168	158	126	61	34	34	972
2028	36	33	38	53	99	137	169	159	127	61	34	35	979
2029	37	33	38	53	100	138	170	160	127	61	34	35	986
2030	37	33	38	53	101	139	172	161	128	62	34	35	994
2031	38	34	39	54	102	142	175	165	131	63	35	36	1,013
2032	38	34	39	55	104	144	178	168	134	64	36	36	1,032
2033	39	35	40	56	106	147	182	171	136	65	36	37	1,052
2034	40	36	41	57	109	150	185	175	139	67	37	38	1,072
2035	40	36	42	59	111	153	189	178	142	68	38	38	1,093
2036	41	37	42	60	113	156	193	181	144	69	38	39	1,114
2037	42	38	43	61	115	159	197	185	147	71	39	40	1,136
2038	43	38	44	62	117	162	200	189	150	72	40	40	1,157
2039	43	39	45	63	119	165	204	192	153	73	40	41	1,180
2040	44	40	45	64	122	169	208	196	156	75	41	42	1,203
2041	45	40	46	65	123	171	211	199	158	76	42	42	1,217
2042	45	41	47	66	125	173	214	201	160	77	42	43	1,232
2043	46	41	47	67	126	175	216	204	162	77	43	43	1,248
2044	46	42	48	67	128	177	219	206	164	78	43	44	1,263
2045	47	42	48	68	130	179	222	209	166	79	43	44	1,278
2046	47	43	49	69	131	182	225	212	168	80	44	45	1,294
2047	48	43	49	70	133	184	228	214	170	81	44	45	1,310
2048	48	44	50	71	134	186	231	217	172	82	45	46	1,326
2049	49	44	50	72	136	189	233	220	175	83	45	46	1,343
2050	49	45	51	72	138	191	236	223	177	84	46	47	1,359
2051	50	45	51	73	140	194	239	225	179	85	47	47	1,376
2052	51	46	52	74	141	196	243	228	181	86	47	48	1,394
2053	51	46	53	75	143	198	246	231	184	87	48	49	1,411
2054	52	47	53	76	145	201	249	234	186	89	48	49	1,429
2055	52	47	54	77	147	204	252	237	188	90	49	50	1,447
2056	53	48	55	78	149	206	255	240	191	91	49	50	1,465
2057	54	48	55	79	151	209	259	243	193	92	50	51	1,484
2058	54	49	56	80	152	212	262	246	196	93	51	52	1,502
2059	55	50	57	81	154	214	265	250	198	94	51	52	1,521
2060	56	50	57	82	156	217	269	253	201	95	52	53	1,540
2061	56	51	58	83	158	220	272	256	203	97	52	53	1,560
2062	57	51	59	84	160	223	276	259	206	98	53	54	1,579
2063	58	52	59	85	162	225	279	263	209	99	54	55	1,599
2064	58	53	60	86	164	228	283	266	211	100	54	55	1,619
1905	59	53	61	87	166	231	286	269	214	101	55	56	1,640

Elk Ridge Table 13

Elk Ridge													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	28	25	28	26	32	35	38	36	32	27	26	26	359
2018	28	25	29	27	33	36	39	37	32	28	26	27	368
2019	29	26	30	27	33	37	40	38	33	29	27	28	377
2020	30	27	31	28	34	38	41	39	34	30	28	28	387
2021	30	27	31	28	34	39	41	39	34	30	28	28	389
2022	30	27	31	28	35	39	41	40	34	30	28	29	392
2023	30	27	31	29	35	39	41	40	35	30	28	29	394
2024	30	27	31	29	35	39	42	40	35	30	28	29	397
2025	31	28	32	29	35	40	42	40	35	31	29	29	399
2026	31	28	32	29	36	40	42	41	35	31	29	29	402
2027	31	28	32	29	36	40	42	41	36	31	29	29	404
2028	31	28	32	29	36	40	43	41	36	31	29	30	407
2029	31	28	32	30	36	41	43	41	36	31	29	30	409
2030	32	29	33	30	36	41	43	42	36	31	29	30	412
2031	32	29	33	30	37	41	44	42	37	32	30	31	419
2032	33	30	34	31	38	42	45	43	38	33	31	31	427
2033	33	30	34	32	38	43	46	44	38	33	31	32	435
2034	34	31	35	32	39	44	46	45	39	34	32	32	443
2035	35	31	36	33	40	45	47	46	40	34	32	33	451
2036	35	32	36	33	41	45	48	46	40	35	33	33	459
2037	36	32	37	34	41	46	49	47	41	36	33	34	467
2038	36	33	38	35	42	47	50	48	42	36	34	35	476
2039	37	34	38	35	43	48	51	49	43	37	35	35	484
2040	38	34	39	36	44	49	52	50	43	38	35	36	493
2041	38	35	39	36	44	49	52	50	44	38	36	36	499
2042	39	35	40	37	45	50	53	51	44	39	36	37	504
2043	39	35	40	37	45	50	54	52	45	39	36	37	510
2044	40	36	41	37	46	51	54	52	45	39	37	38	516
2045	40	36	41	38	46	52	55	53	46	40	37	38	522
2046	40	37	42	38	47	52	55	53	46	40	38	38	527
2047	41	37	42	39	47	53	56	54	47	41	38	39	533
2048	41	37	43	39	48	53	57	55	47	41	39	39	539
2049	42	38	43	40	48	54	57	55	48	42	39	40	546
2050	42	38	44	40	49	55	58	56	49	42	39	40	552
2051	43	39	44	40	49	55	59	56	49	43	40	41	558
2052	43	39	45	41	50	56	59	57	50	43	40	41	565
2053	44	40	45	41	51	57	60	58	50	44	41	42	572
2054	44	40	46	42	51	57	61	59	51	44	41	42	578
2055	45	41	46	42	52	58	61	59	51	45	42	43	585
2056	45	41	47	43	52	59	62	60	52	45	42	43	592
2057	46	42	47	43	53	59	63	61	53	46	43	44	599
2058	47	42	48	44	54	60	64	61	53	46	43	44	606
2059	47	43	49	45	54	61	64	62	54	47	44	45	614
2060	48	43	49	45	55	61	65	63	55	47	44	45	621
2061	48	44	50	46	56	62	66	64	55	48	45	46	628
2062	49	44	50	46	56	63	67	64	56	49	45	46	636
2063	49	45	51	47	57	64	68	65	57	49	46	47	643
2064	50	45	51	47	58	64	68	66	57	50	47	47	651
2065	51	46	52	48	58	65	69	67	58	50	47	48	659

Elk Ridge Table 14

Elk Ridge													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	13	42	66	88	82	63	18	0	0	372
2018	0	0	0	14	43	68	91	85	65	19	0	0	384
2019	0	0	0	14	45	71	94	87	67	19	0	0	397
2020	0	0	0	15	46	73	97	90	69	20	0	0	410
2021	0	0	0	15	47	74	98	91	69	20	0	0	414
2022	0	0	0	15	47	74	99	92	70	20	0	0	417
2023	0	0	0	15	48	75	99	93	71	21	0	0	421
2024	0	0	0	15	48	76	100	94	71	21	0	0	425
2025	0	0	0	15	49	76	101	94	72	21	0	0	430
2026	0	0	0	16	49	77	102	95	73	21	0	0	434
2027	0	0	0	16	49	78	103	96	74	21	0	0	438
2028	0	0	0	16	50	79	104	97	74	22	0	0	442
2029	0	0	0	16	50	79	105	98	75	22	0	0	446
2030	0	0	0	16	51	80	106	99	76	22	0	0	450
2031	0	0	0	17	52	82	109	101	77	23	0	0	461
2032	0	0	0	17	53	84	111	104	79	23	0	0	471
2033	0	0	0	17	54	86	114	106	81	24	0	0	482
2034	0	0	0	18	56	88	116	108	83	24	0	0	493
2035	0	0	0	18	57	90	119	111	85	25	0	0	504
2036	0	0	0	19	58	92	122	113	87	25	0	0	516
2037	0	0	0	19	60	94	125	116	89	26	0	0	528
2038	0	0	0	19	61	96	127	119	91	26	0	0	540
2039	0	0	0	20	62	98	130	121	93	27	0	0	552
2040	0	0	0	20	64	100	133	124	95	28	0	0	564
2041	0	0	0	21	65	102	135	126	96	28	0	0	572
2042	0	0	0	21	66	103	137	128	98	28	0	0	581
2043	0	0	0	21	67	105	139	130	99	29	0	0	589
2044	0	0	0	22	68	106	141	132	100	29	0	0	598
2045	0	0	0	22	69	108	143	134	102	30	0	0	607
2046	0	0	0	22	70	110	145	135	103	30	0	0	616
2047	0	0	0	22	71	111	147	137	105	31	0	0	625
2048	0	0	0	23	72	113	150	139	106	31	0	0	634
2049	0	0	0	23	73	114	152	141	108	32	0	0	643
2050	0	0	0	23	74	116	154	144	110	32	0	0	652
2051	0	0	0	24	75	118	156	146	111	32	0	0	662
2052	0	0	0	24	76	120	158	148	113	33	0	0	672
2053	0	0	0	25	77	121	161	150	114	33	0	0	681
2054	0	0	0	25	78	123	163	152	116	34	0	0	691
2055	0	0	0	25	79	125	165	154	118	34	0	0	701
2056	0	0	0	26	80	127	168	156	119	35	0	0	711
2057	0	0	0	26	82	128	170	159	121	35	0	0	721
2058	0	0	0	26	83	130	173	161	123	36	0	0	732
2059	0	0	0	27	84	132	175	163	125	36	0	0	742
2060	0	0	0	27	85	134	178	166	126	37	0	0	753
2061	0	0	0	27	86	136	180	168	128	37	0	0	764
2062	0	0	0	28	88	138	183	170	130	38	0	0	775
2063	0	0	0	28	89	140	185	173	132	39	0	0	786
2064	0	0	0	29	90	142	188	175	134	39	0	0	797
1905	0	0	0	29	91	144	191	178	136	40	0	0	808

Elk Ridge Table 15

Elk Ridge													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	28	25	28	39	74	102	125	118	94	46	26	26	731
2018	28	25	29	41	76	105	129	122	97	47	26	27	752
2019	29	26	30	42	78	108	133	125	100	48	27	28	774
2020	30	27	31	43	81	111	137	129	103	50	28	28	797
2021	30	27	31	43	81	112	138	130	104	50	28	28	803
2022	30	27	31	43	82	113	140	131	105	50	28	29	809
2023	30	27	31	44	83	114	141	133	105	51	28	29	816
2024	30	27	31	44	83	115	142	134	106	51	28	29	822
2025	31	28	32	44	84	116	143	135	107	52	29	29	829
2026	31	28	32	45	85	117	145	136	108	52	29	29	835
2027	31	28	32	45	85	118	146	137	109	52	29	29	842
2028	31	28	32	45	86	119	147	138	110	53	29	30	849
2029	31	28	32	46	87	120	148	140	111	53	29	30	855
2030	32	29	33	46	87	121	149	141	112	54	29	30	862
2031	32	29	33	47	89	123	153	144	114	55	30	31	880
2032	33	30	34	48	91	126	156	147	117	56	31	31	898
2033	33	30	34	49	93	129	159	150	119	57	31	32	917
2034	34	31	35	50	95	132	163	153	122	58	32	32	936
2035	35	31	36	51	97	134	166	157	124	59	32	33	955
2036	35	32	36	52	99	137	170	160	127	60	33	33	975
2037	36	32	37	53	101	140	174	163	130	62	33	34	995
2038	36	33	38	54	103	143	177	167	132	63	34	35	1,015
2039	37	34	38	55	105	146	181	170	135	64	35	35	1,036
2040	38	34	39	56	107	149	185	174	138	65	35	36	1,057
2041	38	35	39	57	109	151	187	176	140	66	36	36	1,071
2042	39	35	40	57	110	153	190	179	142	67	36	37	1,085
2043	39	35	40	58	112	155	193	181	144	68	36	37	1,100
2044	40	36	41	59	113	158	195	184	146	69	37	38	1,114
2045	40	36	41	60	115	160	198	186	148	70	37	38	1,129
2046	40	37	42	60	116	162	201	189	150	71	38	38	1,143
2047	41	37	42	61	118	164	203	191	152	71	38	39	1,158
2048	41	37	43	62	119	166	206	194	154	72	39	39	1,173
2049	42	38	43	63	121	168	209	197	156	73	39	40	1,189
2050	42	38	44	64	123	171	212	199	158	74	39	40	1,204
2051	43	39	44	64	124	173	215	202	160	75	40	41	1,220
2052	43	39	45	65	126	175	218	205	162	76	40	41	1,236
2053	44	40	45	66	128	178	221	208	165	77	41	42	1,253
2054	44	40	46	67	129	180	224	211	167	78	41	42	1,270
2055	45	41	46	68	131	183	227	213	169	79	42	43	1,286
2056	45	41	47	69	133	185	230	216	172	80	42	43	1,303
2057	46	42	47	69	135	188	233	219	174	81	43	44	1,321
2058	47	42	48	70	136	190	236	222	176	82	43	44	1,338
2059	47	43	49	71	138	193	240	225	179	83	44	45	1,356
2060	48	43	49	72	140	195	243	228	181	84	44	45	1,374
2061	48	44	50	73	142	198	246	232	184	85	45	46	1,392
2062	49	44	50	74	144	201	250	235	186	87	45	46	1,410
2063	49	45	51	75	146	204	253	238	189	88	46	47	1,429
2064	50	45	51	76	148	206	256	241	191	89	47	47	1,448
1905	51	46	52	77	150	209	260	244	194	90	47	48	1,467

Elk Ridge Table 16

Elk Ridge													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	28	25	28	26	32	35	38	36	32	27	26	26	359
2018	28	25	29	27	32	36	39	37	32	28	26	27	367
2019	29	26	30	27	33	37	39	38	33	29	27	27	375
2020	29	27	30	28	34	38	40	39	34	29	27	28	384
2021	29	27	30	28	34	38	40	39	34	29	27	28	384
2022	30	27	30	28	34	38	40	39	34	29	28	28	385
2023	30	27	30	28	34	38	41	39	34	30	28	28	386
2024	30	27	31	28	34	38	41	39	34	30	28	28	387
2025	30	27	31	28	34	38	41	39	34	30	28	28	387
2026	30	27	31	28	34	38	41	39	34	30	28	28	388
2027	30	27	31	28	34	38	41	39	34	30	28	28	389
2028	30	27	31	28	34	39	41	39	34	30	28	28	390
2029	30	27	31	28	35	39	41	39	34	30	28	28	390
2030	30	27	31	28	35	39	41	40	34	30	28	29	391
2031	30	28	31	29	35	39	42	40	35	30	28	29	397
2032	31	28	32	29	36	40	42	41	35	31	29	29	403
2033	31	28	32	30	36	41	43	41	36	31	29	30	410
2034	32	29	33	30	37	41	44	42	37	32	30	30	416
2035	32	29	33	31	37	42	44	43	37	32	30	31	423
2036	33	30	34	31	38	42	45	43	38	33	31	31	429
2037	33	30	34	32	39	43	46	44	38	33	31	32	436
2038	34	31	35	32	39	44	46	45	39	34	32	32	443
2039	34	31	36	33	40	44	47	45	40	34	32	33	449
2040	35	32	36	33	40	45	48	46	40	35	33	33	456
2041	35	32	36	33	41	46	48	47	41	35	33	34	461
2042	36	32	37	34	41	46	49	47	41	36	33	34	466
2043	36	33	37	34	42	47	49	48	41	36	34	34	470
2044	36	33	38	34	42	47	50	48	42	36	34	35	475
2045	37	33	38	35	42	47	50	49	42	37	34	35	480
2046	37	34	38	35	43	48	51	49	43	37	35	35	485
2047	38	34	39	36	43	48	51	50	43	37	35	36	489
2048	38	34	39	36	44	49	52	50	43	38	35	36	494
2049	38	35	39	36	44	49	52	51	44	38	36	36	499
2050	39	35	40	37	45	50	53	51	44	39	36	37	504
2051	39	35	40	37	45	50	54	52	45	39	36	37	510
2052	40	36	41	37	46	51	54	52	45	39	37	38	515
2053	40	36	41	38	46	52	55	53	46	40	37	38	521
2054	40	36	42	38	47	52	55	53	46	40	38	38	526
2055	41	37	42	39	47	53	56	54	47	41	38	39	532
2056	41	37	42	39	48	53	56	54	47	41	38	39	538
2057	42	38	43	39	48	54	57	55	48	42	39	40	543
2058	42	38	43	40	49	54	58	56	48	42	39	40	549
2059	43	38	44	40	49	55	58	56	49	42	40	40	555
2060	43	39	44	41	50	56	59	57	49	43	40	41	561
2061	43	39	45	41	50	56	60	57	50	43	41	41	567
2062	44	40	45	42	51	57	60	58	50	44	41	42	573
2063	44	40	46	42	51	57	61	59	51	44	41	42	579
2064	45	41	46	42	52	58	61	59	51	45	42	43	585
2065	45	41	47	43	52	58	62	60	52	45	42	43	591

Elk Ridge Table 17

Elk Ridge													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	13	42	66	88	82	63	18	0	0	372
2018	0	0	0	14	43	68	90	84	64	19	0	0	380
2019	0	0	0	14	44	69	92	85	65	19	0	0	388
2020	0	0	0	14	45	70	93	87	66	19	0	0	396
2021	0	0	0	14	44	70	93	86	66	19	0	0	393
2022	0	0	0	14	44	69	92	86	66	19	0	0	390
2023	0	0	0	14	44	69	91	85	65	19	0	0	387
2024	0	0	0	14	43	68	91	85	65	19	0	0	385
2025	0	0	0	14	43	68	90	84	64	19	0	0	382
2026	0	0	0	14	43	67	89	83	64	19	0	0	379
2027	0	0	0	14	43	67	89	83	63	18	0	0	376
2028	0	0	0	13	42	66	88	82	63	18	0	0	374
2029	0	0	0	13	42	66	87	82	62	18	0	0	371
2030	0	0	0	13	42	65	87	81	62	18	0	0	368
2031	0	0	0	13	42	66	88	82	63	18	0	0	373
2032	0	0	0	14	43	67	89	83	63	18	0	0	377
2033	0	0	0	14	43	68	90	84	64	19	0	0	382
2034	0	0	0	14	44	69	91	85	65	19	0	0	387
2035	0	0	0	14	44	70	92	86	66	19	0	0	392
2036	0	0	0	14	45	71	94	87	67	19	0	0	397
2037	0	0	0	14	45	72	95	88	67	20	0	0	402
2038	0	0	0	15	46	72	96	89	68	20	0	0	407
2039	0	0	0	15	47	73	97	91	69	20	0	0	412
2040	0	0	0	15	47	74	98	92	70	20	0	0	417
2041	0	0	0	15	48	75	99	93	71	21	0	0	421
2042	0	0	0	15	48	76	100	94	72	21	0	0	426
2043	0	0	0	15	49	77	102	95	72	21	0	0	430
2044	0	0	0	16	49	77	103	96	73	21	0	0	435
2045	0	0	0	16	50	78	104	97	74	22	0	0	440
2046	0	0	0	16	50	79	105	98	75	22	0	0	444
2047	0	0	0	16	51	80	106	99	75	22	0	0	449
2048	0	0	0	16	51	81	107	100	76	22	0	0	454
2049	0	0	0	17	52	82	108	101	77	22	0	0	458
2050	0	0	0	17	52	82	109	102	78	23	0	0	463
2051	0	0	0	17	53	83	110	103	79	23	0	0	468
2052	0	0	0	17	53	84	112	104	79	23	0	0	473
2053	0	0	0	17	54	85	113	105	80	23	0	0	478
2054	0	0	0	17	55	86	114	106	81	24	0	0	483
2055	0	0	0	18	55	87	115	107	82	24	0	0	488
2056	0	0	0	18	56	88	116	108	83	24	0	0	493
2057	0	0	0	18	56	89	117	109	84	24	0	0	498
2058	0	0	0	18	57	89	119	111	84	25	0	0	503
2059	0	0	0	18	57	90	120	112	85	25	0	0	508
2060	0	0	0	18	58	91	121	113	86	25	0	0	513
2061	0	0	0	19	59	92	122	114	87	25	0	0	518
2062	0	0	0	19	59	93	123	115	88	26	0	0	522
2063	0	0	0	19	60	94	124	116	89	26	0	0	527
2064	0	0	0	19	60	95	126	117	89	26	0	0	532
1905	0	0	0	19	61	96	127	118	90	26	0	0	537

Elk Ridge Table 18

Elk Ridge													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	28	25	28	39	74	102	125	118	94	46	26	26	731
2018	28	25	29	40	75	104	128	121	96	47	26	27	747
2019	29	26	30	41	77	106	131	123	98	48	27	27	763
2020	29	27	30	42	79	108	134	126	100	49	27	28	779
2021	29	27	30	42	78	108	133	125	100	49	27	28	777
2022	30	27	30	42	78	108	133	125	99	49	28	28	775
2023	30	27	30	42	78	107	132	124	99	48	28	28	773
2024	30	27	31	42	78	107	131	124	99	48	28	28	771
2025	30	27	31	42	77	106	131	123	98	48	28	28	769
2026	30	27	31	42	77	106	130	123	98	48	28	28	767
2027	30	27	31	42	77	105	130	122	97	48	28	28	765
2028	30	27	31	42	77	105	129	122	97	48	28	28	763
2029	30	27	31	42	76	105	128	121	97	48	28	28	761
2030	30	27	31	42	76	104	128	121	96	48	28	29	759
2031	30	28	31	42	77	106	130	122	98	49	28	29	770
2032	31	28	32	43	78	107	131	124	99	49	29	29	781
2033	31	28	32	43	79	109	133	126	100	50	29	30	792
2034	32	29	33	44	81	110	135	127	102	51	30	30	803
2035	32	29	33	45	82	112	137	129	103	52	30	31	814
2036	33	30	34	45	83	113	139	131	104	52	31	31	826
2037	33	30	34	46	84	115	141	132	106	53	31	32	838
2038	34	31	35	47	85	116	142	134	107	54	32	32	849
2039	34	31	36	47	86	118	144	136	109	55	32	33	861
2040	35	32	36	48	88	119	146	138	110	55	33	33	873
2041	35	32	36	49	88	121	148	139	111	56	33	34	882
2042	36	32	37	49	89	122	149	141	112	56	33	34	891
2043	36	33	37	50	90	123	151	142	114	57	34	34	901
2044	36	33	38	50	91	124	153	144	115	58	34	35	910
2045	37	33	38	51	92	126	154	145	116	58	34	35	919
2046	37	34	38	51	93	127	156	147	117	59	35	35	929
2047	38	34	39	52	94	128	157	148	118	59	35	36	938
2048	38	34	39	52	95	130	159	150	120	60	35	36	948
2049	38	35	39	53	96	131	161	151	121	61	36	36	958
2050	39	35	40	53	97	132	162	153	122	61	36	37	968
2051	39	35	40	54	98	134	164	155	123	62	36	37	978
2052	40	36	41	54	99	135	166	156	125	63	37	38	988
2053	40	36	41	55	100	137	167	158	126	63	37	38	998
2054	40	36	42	56	101	138	169	159	127	64	38	38	1,009
2055	41	37	42	56	102	139	171	161	129	65	38	39	1,020
2056	41	37	42	57	103	141	173	163	130	65	38	39	1,030
2057	42	38	43	57	104	142	175	164	131	66	39	40	1,041
2058	42	38	43	58	105	144	176	166	133	67	39	40	1,052
2059	43	38	44	59	107	145	178	168	134	67	40	40	1,063
2060	43	39	44	59	108	147	180	170	136	68	40	41	1,074
2061	43	39	45	60	109	148	182	171	137	69	41	41	1,085
2062	44	40	45	60	110	150	183	173	138	69	41	42	1,095
2063	44	40	46	61	111	151	185	175	139	70	41	42	1,106
2064	45	41	46	62	112	153	187	176	141	71	42	43	1,117
1905	45	41	47	62	113	154	189	178	142	71	42	43	1,128

Elk Ridge Table 19

Elk Ridge													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	71	64	73	67	82	92	97	94	81	71	66	68	927
2017	39	35	40	37	45	50	53	51	45	39	36	37	508
2018	39	35	40	37	45	50	54	52	45	39	36	37	510
2019	39	35	40	37	45	51	54	52	45	39	37	37	511
2020	39	35	41	37	45	51	54	52	45	39	37	37	512
2021	39	36	41	37	45	51	54	52	45	39	37	37	513
2022	39	36	41	37	45	51	54	52	45	39	37	37	513
2023	39	36	41	37	45	51	54	52	45	39	37	37	513
2024	39	36	41	37	45	51	54	52	45	39	37	37	514
2025	39	36	41	37	46	51	54	52	45	39	37	37	514
2026	39	36	41	37	46	51	54	52	45	39	37	38	514
2027	39	36	41	37	46	51	54	52	45	39	37	38	515
2028	40	36	41	37	46	51	54	52	45	39	37	38	515
2029	40	36	41	37	46	51	54	52	45	39	37	38	516
2030	40	36	41	37	46	51	54	52	45	39	37	38	516
2031	40	36	41	37	46	51	54	52	45	40	37	38	517
2032	40	36	41	38	46	51	54	52	46	40	37	38	518
2033	40	36	41	38	46	51	55	53	46	40	37	38	519
2034	40	36	41	38	46	52	55	53	46	40	37	38	520
2035	40	36	41	38	46	52	55	53	46	40	37	38	521
2036	40	36	41	38	46	52	55	53	46	40	37	38	523
2037	40	36	41	38	46	52	55	53	46	40	37	38	524
2038	40	36	42	38	46	52	55	53	46	40	38	38	525
2039	40	36	42	38	47	52	55	53	46	40	38	38	526
2040	40	37	42	38	47	52	55	53	46	40	38	38	528
2041	41	37	42	38	47	52	55	53	46	40	38	39	528
2042	41	37	42	38	47	52	56	54	47	40	38	39	529
2043	41	37	42	38	47	52	56	54	47	41	38	39	530
2044	41	37	42	38	47	53	56	54	47	41	38	39	531
2045	41	37	42	39	47	53	56	54	47	41	38	39	532
2046	41	37	42	39	47	53	56	54	47	41	38	39	532
2047	41	37	42	39	47	53	56	54	47	41	38	39	533
2048	41	37	42	39	47	53	56	54	47	41	38	39	534
2049	41	37	42	39	47	53	56	54	47	41	38	39	535
2050	41	37	42	39	47	53	56	54	47	41	38	39	536
2051	41	37	42	39	48	53	56	54	47	41	38	39	537
2052	41	37	43	39	48	53	56	54	47	41	38	39	538
2053	41	37	43	39	48	53	57	55	47	41	39	39	539
2054	41	37	43	39	48	53	57	55	47	41	39	39	540
2055	41	37	43	39	48	54	57	55	48	41	39	39	541
2056	42	38	43	39	48	54	57	55	48	41	39	39	542
2057	42	38	43	39	48	54	57	55	48	42	39	40	543
2058	42	38	43	39	48	54	57	55	48	42	39	40	544
2059	42	38	43	40	48	54	57	55	48	42	39	40	545
2060	42	38	43	40	48	54	57	55	48	42	39	40	546
2061	42	38	43	40	48	54	57	55	48	42	39	40	547
2062	42	38	43	40	49	54	58	55	48	42	39	40	548
2063	42	38	43	40	49	54	58	56	48	42	39	40	549
2064	42	38	43	40	49	54	58	56	48	42	39	40	550
2065	42	38	44	40	49	55	58	56	48	42	39	40	551

Elk Ridge Table 20

Elk Ridge													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-16	-49	-77	-103	-96	-73	-21	0	0	-435
2018	0	0	0	-16	-51	-80	-106	-98	-75	-22	0	0	-447
2019	0	0	0	-17	-52	-82	-109	-101	-77	-23	0	0	-460
2020	0	0	0	-17	-53	-84	-112	-104	-79	-23	0	0	-473
2021	0	0	0	-17	-54	-85	-112	-105	-80	-23	0	0	-477
2022	0	0	0	-17	-54	-86	-113	-106	-81	-24	0	0	-480
2023	0	0	0	-17	-55	-86	-114	-107	-81	-24	0	0	-484
2024	0	0	0	-18	-55	-87	-115	-107	-82	-24	0	0	-488
2025	0	0	0	10	32	51	68	63	48	14	0	0	286
2026	0	0	0	10	32	50	67	62	47	14	0	0	282
2027	0	0	0	10	31	50	66	61	47	14	0	0	278
2028	0	0	0	10	31	49	65	60	46	13	0	0	274
2029	0	0	0	10	31	48	64	59	45	13	0	0	270
2030	0	0	0	10	30	47	63	58	45	13	0	0	266
2031	0	0	0	9	29	45	60	56	43	13	0	0	255
2032	0	0	0	9	28	44	58	54	41	12	0	0	245
2033	0	0	0	8	26	42	55	51	39	11	0	0	234
2034	0	0	0	8	25	40	53	49	37	11	0	0	223
2035	0	0	0	8	24	38	50	47	36	10	0	0	212
2036	0	0	0	7	23	36	47	44	34	10	0	0	200
2037	0	0	0	7	21	34	44	41	32	9	0	0	188
2038	0	0	0	6	20	31	42	39	30	9	0	0	176
2039	0	0	0	6	19	29	39	36	28	8	0	0	164
2040	0	0	0	5	17	27	36	33	26	7	0	0	152
2041	0	0	0	5	16	26	34	32	24	7	0	0	144
2042	0	0	0	5	15	24	32	30	23	7	0	0	135
2043	0	0	0	5	14	23	30	28	21	6	0	0	127
2044	0	0	0	4	13	21	28	26	20	6	0	0	118
2045	0	0	0	4	12	19	26	24	18	5	0	0	109
2046	0	0	0	4	11	18	24	22	17	5	0	0	100
2047	0	0	0	3	10	16	22	20	15	4	0	0	91
2048	0	0	0	3	9	15	19	18	14	4	0	0	82
2049	0	0	0	3	8	13	17	16	12	4	0	0	73
2050	0	0	0	2	7	11	15	14	11	3	0	0	64
2051	0	0	0	2	6	10	13	12	9	3	0	0	54
2052	0	0	0	2	5	8	10	10	7	2	0	0	44
2053	0	0	0	1	4	6	8	8	6	2	0	0	35
2054	0	0	0	1	3	4	6	5	4	1	0	0	25
2055	0	0	0	1	2	3	4	3	3	1	0	0	15
2056	0	0	0	0	1	1	1	1	1	0	0	0	5
2057	0	0	0	0	-1	-1	-1	-1	-1	0	0	0	-5
2058	0	0	0	-1	-2	-3	-4	-3	-3	-1	0	0	-16
2059	0	0	0	-1	-3	-5	-6	-6	-4	-1	0	0	-26
2060	0	0	0	-1	-4	-7	-9	-8	-6	-2	0	0	-37
2061	0	0	0	-2	-5	-8	-11	-11	-8	-2	0	0	-48
2062	0	0	0	-2	-7	-10	-14	-13	-10	-3	0	0	-59
2063	0	0	0	-3	-8	-12	-16	-15	-12	-3	0	0	-70
2064	0	0	0	-3	-9	-14	-19	-18	-14	-4	0	0	-81
2065	0	0	0	-3	-10	-16	-22	-20	-16	-5	0	0	-92

Elk Ridge Table 21

Elk Ridge													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	71	64	73	67	82	92	97	94	81	71	66	68	927
2017	39	35	40	21	-4	-27	-49	-44	-28	18	36	37	73
2018	39	35	40	21	-5	-29	-52	-47	-30	17	36	37	62
2019	39	35	40	21	-7	-31	-55	-49	-32	17	37	37	51
2020	39	35	41	20	-8	-33	-58	-52	-34	16	37	37	40
2021	39	36	41	20	-8	-34	-59	-53	-35	16	37	37	36
2022	39	36	41	20	-9	-35	-60	-54	-36	16	37	37	33
2023	39	36	41	20	-9	-35	-60	-55	-36	16	37	37	29
2024	39	36	41	20	-10	-36	-61	-55	-37	15	37	37	25
2025	39	36	41	48	78	102	122	115	93	53	37	37	801
2026	39	36	41	47	77	101	121	114	93	53	37	38	797
2027	39	36	41	47	77	100	120	113	92	53	37	38	793
2028	40	36	41	47	77	100	119	112	91	53	37	38	789
2029	40	36	41	47	76	99	118	112	91	53	37	38	786
2030	40	36	41	47	76	98	117	111	90	52	37	38	782
2031	40	36	41	47	75	97	115	108	88	52	37	38	772
2032	40	36	41	46	74	95	112	106	87	52	37	38	763
2033	40	36	41	46	72	93	110	104	85	51	37	38	753
2034	40	36	41	46	71	91	107	102	83	51	37	38	743
2035	40	36	41	45	70	89	105	99	81	50	37	38	733
2036	40	36	41	45	69	87	102	97	80	50	37	38	723
2037	40	36	41	45	68	85	99	94	78	49	37	38	712
2038	40	36	42	44	66	83	97	92	76	49	38	38	702
2039	40	36	42	44	65	81	94	89	74	48	38	38	691
2040	40	37	42	44	64	79	91	87	72	48	38	38	679
2041	41	37	42	43	63	78	89	85	71	47	38	39	672
2042	41	37	42	43	62	76	87	83	69	47	38	39	664
2043	41	37	42	43	61	75	86	81	68	47	38	39	657
2044	41	37	42	43	60	74	84	80	66	46	38	39	649
2045	41	37	42	42	59	72	82	78	65	46	38	39	641
2046	41	37	42	42	58	71	80	76	64	46	38	39	633
2047	41	37	42	42	58	69	78	74	62	45	38	39	625
2048	41	37	42	42	57	67	75	72	61	45	38	39	616
2049	41	37	42	41	56	66	73	70	59	44	38	39	608
2050	41	37	42	41	55	64	71	68	58	44	38	39	599
2051	41	37	42	41	54	63	69	66	56	44	38	39	591
2052	41	37	43	41	53	61	67	64	55	43	38	39	582
2053	41	37	43	40	52	60	65	62	53	43	39	39	573
2054	41	37	43	40	51	58	63	60	52	43	39	39	565
2055	41	37	43	40	50	56	60	58	50	42	39	39	556
2056	42	38	43	39	49	54	58	56	48	42	39	39	547
2057	42	38	43	39	47	53	56	54	47	41	39	40	537
2058	42	38	43	39	46	51	53	52	45	41	39	40	528
2059	42	38	43	39	45	49	51	49	43	40	39	40	518
2060	42	38	43	38	44	47	49	47	42	40	39	40	509
2061	42	38	43	38	43	46	46	45	40	39	39	40	499
2062	42	38	43	38	42	44	44	43	38	39	39	40	489
2063	42	38	43	37	41	42	41	40	37	39	39	40	479
2064	42	38	43	37	40	40	39	38	35	38	39	40	469
2065	42	38	44	37	38	38	36	35	33	38	39	40	459

Elk Ridge Table 22

Elk Ridge													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	71	64	73	67	82	92	97	94	81	71	66	68	927
2017	44	39	45	41	50	56	60	57	50	43	41	41	568
2018	44	40	45	41	51	57	60	58	50	44	41	42	571
2019	44	40	45	42	51	57	60	58	50	44	41	42	574
2020	44	40	46	42	51	57	61	58	51	44	41	42	577
2021	44	40	46	42	51	57	61	58	51	44	41	42	578
2022	44	40	46	42	51	57	61	59	51	44	41	42	578
2023	44	40	46	42	51	57	61	59	51	44	41	42	579
2024	44	40	46	42	51	57	61	59	51	44	41	42	580
2025	45	40	46	42	51	57	61	59	51	44	42	42	581
2026	45	40	46	42	51	58	61	59	51	44	42	42	581
2027	45	40	46	42	52	58	61	59	51	45	42	42	582
2028	45	40	46	42	52	58	61	59	51	45	42	42	583
2029	45	40	46	42	52	58	61	59	51	45	42	43	584
2030	45	40	46	42	52	58	61	59	51	45	42	43	585
2031	45	41	46	43	52	58	62	59	52	45	42	43	587
2032	45	41	47	43	52	58	62	60	52	45	42	43	589
2033	45	41	47	43	52	59	62	60	52	45	42	43	592
2034	46	41	47	43	53	59	62	60	52	45	42	43	594
2035	46	41	47	43	53	59	63	60	52	46	43	43	597
2036	46	42	47	43	53	59	63	61	53	46	43	44	599
2037	46	42	48	44	53	60	63	61	53	46	43	44	602
2038	46	42	48	44	54	60	63	61	53	46	43	44	604
2039	47	42	48	44	54	60	64	61	53	46	43	44	607
2040	47	42	48	44	54	60	64	62	54	47	44	44	610
2041	47	42	48	44	54	61	64	62	54	47	44	45	611
2042	47	42	48	44	54	61	64	62	54	47	44	45	613
2043	47	43	49	45	54	61	65	62	54	47	44	45	615
2044	47	43	49	45	55	61	65	62	54	47	44	45	617
2045	47	43	49	45	55	61	65	63	54	47	44	45	619
2046	48	43	49	45	55	61	65	63	55	47	44	45	620
2047	48	43	49	45	55	62	65	63	55	48	44	45	622
2048	48	43	49	45	55	62	66	63	55	48	45	45	624
2049	48	43	49	45	55	62	66	63	55	48	45	46	626
2050	48	43	50	46	56	62	66	64	55	48	45	46	628
2051	48	44	50	46	56	62	66	64	55	48	45	46	630
2052	48	44	50	46	56	63	66	64	56	48	45	46	632
2053	49	44	50	46	56	63	67	64	56	48	45	46	634
2054	49	44	50	46	56	63	67	64	56	49	45	46	636
2055	49	44	50	46	57	63	67	65	56	49	46	47	638
2056	49	44	51	46	57	63	67	65	56	49	46	47	640
2057	49	45	51	47	57	64	67	65	56	49	46	47	643
2058	49	45	51	47	57	64	68	65	57	49	46	47	645
2059	50	45	51	47	57	64	68	65	57	49	46	47	647
2060	50	45	51	47	57	64	68	66	57	50	46	47	649
2061	50	45	52	47	58	64	68	66	57	50	47	47	652
2062	50	45	52	47	58	65	69	66	57	50	47	48	654
2063	50	45	52	48	58	65	69	66	58	50	47	48	656
2064	51	46	52	48	58	65	69	67	58	50	47	48	659
2065	51	46	52	48	59	65	69	67	58	51	47	48	661

Elk Ridge Table 23

Elk Ridge													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-13	-42	-66	-88	-82	-63	-18	0	0	-372
2018	0	0	0	-14	-43	-68	-91	-85	-65	-19	0	0	-384
2019	0	0	0	-14	-45	-71	-94	-87	-67	-19	0	0	-397
2020	0	0	0	-15	-46	-73	-97	-90	-69	-20	0	0	-410
2021	0	0	0	-15	-47	-74	-98	-91	-69	-20	0	0	-414
2022	0	0	0	-15	-47	-74	-99	-92	-70	-20	0	0	-417
2023	0	0	0	-15	-48	-75	-99	-93	-71	-21	0	0	-421
2024	0	0	0	-15	-48	-76	-100	-94	-71	-21	0	0	-425
2025	0	0	0	13	39	62	82	77	59	17	0	0	349
2026	0	0	0	12	39	61	82	76	58	17	0	0	345
2027	0	0	0	12	39	61	81	75	57	17	0	0	341
2028	0	0	0	12	38	60	80	74	57	17	0	0	337
2029	0	0	0	12	38	59	79	73	56	16	0	0	333
2030	0	0	0	12	37	59	78	72	55	16	0	0	329
2031	0	0	0	11	36	57	75	70	53	16	0	0	318
2032	0	0	0	11	35	55	73	68	52	15	0	0	308
2033	0	0	0	11	34	53	70	65	50	15	0	0	297
2034	0	0	0	10	32	51	67	63	48	14	0	0	286
2035	0	0	0	10	31	49	65	60	46	13	0	0	275
2036	0	0	0	9	30	47	62	58	44	13	0	0	263
2037	0	0	0	9	28	45	59	55	42	12	0	0	251
2038	0	0	0	9	27	43	57	53	40	12	0	0	239
2039	0	0	0	8	26	40	54	50	38	11	0	0	227
2040	0	0	0	8	24	38	51	47	36	11	0	0	215
2041	0	0	0	7	23	37	49	45	35	10	0	0	207
2042	0	0	0	7	22	35	47	44	33	10	0	0	198
2043	0	0	0	7	21	34	45	42	32	9	0	0	190
2044	0	0	0	7	20	32	43	40	30	9	0	0	181
2045	0	0	0	6	19	31	41	38	29	8	0	0	172
2046	0	0	0	6	18	29	39	36	27	8	0	0	163
2047	0	0	0	6	17	27	36	34	26	8	0	0	154
2048	0	0	0	5	16	26	34	32	24	7	0	0	145
2049	0	0	0	5	15	24	32	30	23	7	0	0	136
2050	0	0	0	5	14	23	30	28	21	6	0	0	127
2051	0	0	0	4	13	21	28	26	20	6	0	0	117
2052	0	0	0	4	12	19	25	24	18	5	0	0	107
2053	0	0	0	4	11	17	23	21	16	5	0	0	98
2054	0	0	0	3	10	16	21	19	15	4	0	0	88
2055	0	0	0	3	9	14	18	17	13	4	0	0	78
2056	0	0	0	2	8	12	16	15	11	3	0	0	68
2057	0	0	0	2	7	10	14	13	10	3	0	0	58
2058	0	0	0	2	5	8	11	10	8	2	0	0	47
2059	0	0	0	1	4	7	9	8	6	2	0	0	37
2060	0	0	0	1	3	5	6	6	4	1	0	0	26
2061	0	0	0	1	2	3	4	3	3	1	0	0	15
2062	0	0	0	0	0	1	1	1	1	0	0	0	4
2063	0	0	0	0	-1	-1	-2	-1	-1	0	0	0	-7
2064	0	0	0	-1	-2	-3	-4	-4	-3	-1	0	0	-18
2065	0	0	0	-1	-3	-5	-7	-6	-5	-1	0	0	-29

Elk Ridge Table 24

Elk Ridge													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	71	64	73	67	82	92	97	94	81	71	66	68	927
2017	44	39	45	28	8	-10	-28	-24	-13	25	41	41	196
2018	44	40	45	28	7	-12	-31	-27	-14	25	41	42	187
2019	44	40	45	27	6	-14	-33	-29	-16	24	41	42	177
2020	44	40	46	27	5	-16	-36	-32	-18	24	41	42	167
2021	44	40	46	27	4	-16	-37	-33	-19	24	41	42	164
2022	44	40	46	27	4	-17	-38	-33	-19	24	41	42	161
2023	44	40	46	27	4	-18	-39	-34	-20	24	41	42	158
2024	44	40	46	27	3	-18	-40	-35	-20	24	41	42	154
2025	45	40	46	55	91	120	143	136	110	62	42	42	930
2026	45	40	46	55	91	119	143	135	109	61	42	42	927
2027	45	40	46	55	90	118	142	134	109	61	42	42	924
2028	45	40	46	54	90	118	141	133	108	61	42	42	920
2029	45	40	46	54	89	117	140	132	107	61	42	43	917
2030	45	40	46	54	89	116	139	131	107	61	42	43	913
2031	45	41	46	54	88	115	137	129	105	60	42	43	905
2032	45	41	47	54	87	113	135	127	104	60	42	43	897
2033	45	41	47	54	86	111	132	125	102	60	42	43	889
2034	46	41	47	53	85	110	130	123	100	59	42	43	880
2035	46	41	47	53	84	108	127	121	99	59	43	43	871
2036	46	42	47	53	83	106	125	119	97	59	43	44	862
2037	46	42	48	53	82	104	123	116	95	58	43	44	853
2038	46	42	48	52	81	102	120	114	93	58	43	44	844
2039	47	42	48	52	79	101	117	111	92	58	43	44	834
2040	47	42	48	52	78	99	115	109	90	57	44	44	825
2041	47	42	48	52	77	97	113	107	88	57	44	45	818
2042	47	42	48	52	77	96	111	106	87	57	44	45	811
2043	47	43	49	51	76	95	109	104	86	56	44	45	805
2044	47	43	49	51	75	93	107	102	85	56	44	45	798
2045	47	43	49	51	74	92	106	100	83	56	44	45	791
2046	48	43	49	51	73	90	104	99	82	55	44	45	784
2047	48	43	49	51	73	89	102	97	81	55	44	45	776
2048	48	43	49	50	72	88	100	95	79	55	45	45	769
2049	48	43	49	50	71	86	98	93	78	55	45	46	762
2050	48	43	50	50	70	85	96	91	76	54	45	46	754
2051	48	44	50	50	69	83	94	89	75	54	45	46	747
2052	48	44	50	50	68	82	92	88	74	54	45	46	739
2053	49	44	50	50	67	80	90	86	72	53	45	46	732
2054	49	44	50	49	66	79	88	84	71	53	45	46	724
2055	49	44	50	49	65	77	85	82	69	53	46	47	716
2056	49	44	51	49	64	75	83	80	68	52	46	47	708
2057	49	45	51	49	63	74	81	78	66	52	46	47	700
2058	49	45	51	48	62	72	79	76	65	52	46	47	692
2059	50	45	51	48	61	71	77	74	63	51	46	47	684
2060	50	45	51	48	60	69	74	71	61	51	46	47	675
2061	50	45	52	48	59	67	72	69	60	51	47	47	667
2062	50	45	52	48	58	65	70	67	58	50	47	48	658
2063	50	45	52	47	57	64	67	65	57	50	47	48	650
2064	51	46	52	47	56	62	65	63	55	49	47	48	641
2065	51	46	52	47	55	60	63	60	53	49	47	48	632

Elk Ridge Table 25

Elk Ridge													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	71	64	73	67	82	92	97	94	81	71	66	68	927
2017	44	39	45	41	50	56	60	57	50	43	41	41	568
2018	44	40	45	41	51	57	60	58	50	44	41	42	572
2019	44	40	46	42	51	57	60	58	51	44	41	42	576
2020	45	40	46	42	51	57	61	59	51	44	41	42	580
2021	45	40	46	42	52	58	61	59	51	45	42	42	583
2022	45	41	46	42	52	58	61	59	51	45	42	43	585
2023	45	41	46	43	52	58	62	59	52	45	42	43	588
2024	45	41	47	43	52	58	62	60	52	45	42	43	590
2025	45	41	47	43	52	59	62	60	52	45	42	43	593
2026	46	41	47	43	53	59	62	60	52	46	43	43	595
2027	46	41	47	43	53	59	63	60	53	46	43	44	598
2028	46	42	47	44	53	59	63	61	53	46	43	44	600
2029	46	42	48	44	53	60	63	61	53	46	43	44	603
2030	46	42	48	44	54	60	64	61	53	46	43	44	605
2031	47	42	48	44	54	60	64	62	54	47	44	44	609
2032	47	42	48	44	54	61	64	62	54	47	44	45	613
2033	47	43	49	45	55	61	65	62	54	47	44	45	617
2034	48	43	49	45	55	61	65	63	55	47	44	45	621
2035	48	43	49	45	55	62	66	63	55	48	45	46	625
2036	48	44	50	46	56	62	66	64	55	48	45	46	629
2037	49	44	50	46	56	63	66	64	56	48	45	46	633
2038	49	44	50	46	56	63	67	64	56	49	46	46	638
2039	49	44	51	47	57	64	67	65	56	49	46	47	642
2040	50	45	51	47	57	64	68	65	57	49	46	47	647
2041	50	45	51	47	57	64	68	66	57	50	46	47	649
2042	50	45	52	47	58	65	68	66	57	50	47	48	652
2043	50	45	52	47	58	65	69	66	58	50	47	48	655
2044	50	46	52	48	58	65	69	67	58	50	47	48	658
2045	51	46	52	48	58	65	69	67	58	51	47	48	660
2046	51	46	52	48	59	66	70	67	58	51	47	48	663
2047	51	46	53	48	59	66	70	67	59	51	48	49	666
2048	51	46	53	49	59	66	70	68	59	51	48	49	669
2049	52	47	53	49	60	67	71	68	59	51	48	49	672
2050	52	47	53	49	60	67	71	68	59	52	48	49	675
2051	52	47	54	49	60	67	71	69	60	52	48	49	678
2052	52	47	54	49	60	67	72	69	60	52	49	50	682
2053	53	47	54	50	61	68	72	69	60	52	49	50	685
2054	53	48	54	50	61	68	72	70	61	53	49	50	688
2055	53	48	55	50	61	68	73	70	61	53	49	50	692
2056	53	48	55	50	62	69	73	70	61	53	50	51	695
2057	54	48	55	51	62	69	73	71	61	53	50	51	699
2058	54	49	55	51	62	69	74	71	62	54	50	51	702
2059	54	49	56	51	62	70	74	71	62	54	50	51	706
2060	54	49	56	51	63	70	74	72	62	54	51	52	709
2061	55	49	56	52	63	71	75	72	63	55	51	52	713
2062	55	50	57	52	63	71	75	73	63	55	51	52	717
2063	55	50	57	52	64	71	76	73	63	55	52	53	721
2064	56	50	57	53	64	72	76	73	64	55	52	53	725
2065	56	50	58	53	65	72	77	74	64	56	52	53	729

Elk Ridge Table 26

Elk Ridge													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-13	-42	-66	-88	-82	-63	-18	0	0	-372
2018	0	0	0	-14	-43	-68	-90	-84	-64	-19	0	0	-380
2019	0	0	0	-14	-44	-69	-92	-85	-65	-19	0	0	-388
2020	0	0	0	-14	-45	-70	-93	-87	-66	-19	0	0	-396
2021	0	0	0	-14	-44	-70	-93	-86	-66	-19	0	0	-393
2022	0	0	0	-14	-44	-69	-92	-86	-66	-19	0	0	-390
2023	0	0	0	-14	-44	-69	-91	-85	-65	-19	0	0	-387
2024	0	0	0	-14	-43	-68	-91	-85	-65	-19	0	0	-385
2025	0	0	0	14	45	71	94	87	67	19	0	0	397
2026	0	0	0	14	45	71	94	88	67	20	0	0	400
2027	0	0	0	14	46	72	95	89	68	20	0	0	403
2028	0	0	0	15	46	72	96	89	68	20	0	0	405
2029	0	0	0	15	46	73	96	90	69	20	0	0	408
2030	0	0	0	15	46	73	97	90	69	20	0	0	411
2031	0	0	0	15	46	72	96	89	68	20	0	0	406
2032	0	0	0	14	45	71	95	88	67	20	0	0	402
2033	0	0	0	14	45	71	94	87	67	19	0	0	397
2034	0	0	0	14	44	70	92	86	66	19	0	0	392
2035	0	0	0	14	44	69	91	85	65	19	0	0	387
2036	0	0	0	14	43	68	90	84	64	19	0	0	382
2037	0	0	0	14	43	67	89	83	63	18	0	0	377
2038	0	0	0	13	42	66	88	82	63	18	0	0	372
2039	0	0	0	13	41	65	87	81	62	18	0	0	367
2040	0	0	0	13	41	64	85	80	61	18	0	0	362
2041	0	0	0	13	40	64	84	79	60	18	0	0	358
2042	0	0	0	13	40	63	83	78	59	17	0	0	353
2043	0	0	0	13	39	62	82	77	59	17	0	0	349
2044	0	0	0	12	39	61	81	76	58	17	0	0	344
2045	0	0	0	12	38	60	80	75	57	17	0	0	339
2046	0	0	0	12	38	60	79	74	56	16	0	0	335
2047	0	0	0	12	37	59	78	73	55	16	0	0	330
2048	0	0	0	12	37	58	77	72	55	16	0	0	325
2049	0	0	0	12	36	57	76	71	54	16	0	0	321
2050	0	0	0	11	36	56	75	69	53	15	0	0	316
2051	0	0	0	11	35	55	73	68	52	15	0	0	311
2052	0	0	0	11	35	54	72	67	51	15	0	0	306
2053	0	0	0	11	34	54	71	66	51	15	0	0	301
2054	0	0	0	11	33	53	70	65	50	15	0	0	296
2055	0	0	0	10	33	52	69	64	49	14	0	0	291
2056	0	0	0	10	32	51	68	63	48	14	0	0	286
2057	0	0	0	10	32	50	66	62	47	14	0	0	281
2058	0	0	0	10	31	49	65	61	46	14	0	0	276
2059	0	0	0	10	31	48	64	60	46	13	0	0	271
2060	0	0	0	10	30	47	63	59	45	13	0	0	266
2061	0	0	0	9	30	47	62	57	44	13	0	0	261
2062	0	0	0	9	29	46	61	56	43	13	0	0	257
2063	0	0	0	9	28	45	59	55	42	12	0	0	252
2064	0	0	0	9	28	44	58	54	41	12	0	0	247
2065	0	0	0	9	27	43	57	53	41	12	0	0	242

Elk Ridge Table 27

Elk Ridge													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	71	64	73	67	82	92	97	94	81	71	66	68	927
2017	44	39	45	28	8	-10	-28	-24	-13	25	41	41	196
2018	44	40	45	28	8	-11	-30	-26	-14	25	41	42	192
2019	44	40	46	28	7	-12	-31	-27	-14	25	41	42	188
2020	45	40	46	28	7	-13	-32	-28	-15	25	41	42	185
2021	45	40	46	28	7	-12	-32	-28	-15	25	42	42	190
2022	45	41	46	28	8	-12	-31	-27	-14	26	42	43	195
2023	45	41	46	29	8	-11	-30	-26	-13	26	42	43	200
2024	45	41	47	29	9	-10	-29	-25	-13	26	42	43	205
2025	45	41	47	57	97	129	156	147	119	65	42	43	990
2026	46	41	47	58	98	130	157	148	119	65	43	43	995
2027	46	41	47	58	98	131	158	149	120	65	43	44	1,000
2028	46	42	47	58	99	132	159	150	121	66	43	44	1,006
2029	46	42	48	58	99	132	160	151	122	66	43	44	1,011
2030	46	42	48	59	100	133	161	152	122	66	43	44	1,016
2031	47	42	48	59	100	133	160	151	122	66	44	44	1,015
2032	47	42	48	59	100	132	159	150	121	67	44	45	1,014
2033	47	43	49	59	99	132	158	150	121	67	44	45	1,013
2034	48	43	49	59	99	131	158	149	120	67	44	45	1,013
2035	48	43	49	59	99	131	157	148	120	67	45	46	1,012
2036	48	44	50	59	99	130	156	148	119	67	45	46	1,011
2037	49	44	50	60	99	130	156	147	119	67	45	46	1,010
2038	49	44	50	60	99	129	155	146	119	67	46	46	1,010
2039	49	44	51	60	98	129	154	146	118	67	46	47	1,009
2040	50	45	51	60	98	128	153	145	118	67	46	47	1,009
2041	50	45	51	60	98	128	153	144	117	67	46	47	1,007
2042	50	45	52	60	98	127	152	144	117	67	47	48	1,005
2043	50	45	52	60	97	127	151	143	116	67	47	48	1,003
2044	50	46	52	60	97	126	150	142	116	67	47	48	1,002
2045	51	46	52	60	97	126	149	141	115	67	47	48	1,000
2046	51	46	52	60	97	125	149	141	115	67	47	48	998
2047	51	46	53	60	96	125	148	140	114	67	48	49	996
2048	51	46	53	60	96	124	147	139	113	67	48	49	995
2049	52	47	53	60	96	124	146	139	113	67	48	49	993
2050	52	47	53	60	95	123	145	138	112	67	48	49	991
2051	52	47	54	60	95	123	145	137	112	67	48	49	989
2052	52	47	54	60	95	122	144	136	111	67	49	50	988
2053	53	47	54	61	95	121	143	136	111	67	49	50	986
2054	53	48	54	61	94	121	142	135	110	67	49	50	985
2055	53	48	55	61	94	120	141	134	110	67	49	50	983
2056	53	48	55	61	94	120	141	133	109	67	50	51	981
2057	54	48	55	61	94	119	140	133	109	67	50	51	980
2058	54	49	55	61	93	119	139	132	108	67	50	51	978
2059	54	49	56	61	93	118	138	131	108	67	50	51	977
2060	54	49	56	61	93	118	137	130	107	67	51	52	975
2061	55	49	56	61	93	117	137	130	107	67	51	52	974
2062	55	50	57	61	92	117	136	129	106	67	51	52	973
2063	55	50	57	61	92	116	135	128	106	67	52	53	973
2064	56	50	57	61	92	116	134	128	105	68	52	53	972
2065	56	50	58	62	92	115	134	127	105	68	52	53	971

GENOLA

Explanation of Supply and Demand Tables – Genola Town

Genola Table 1: Springs. Reports dependable flow (in gpm) determined from Town Master Plan or conversations with Town personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Genola Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Genola Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the Town's existing corporate boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Genola Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Genola Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the Town. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Genola Table 6: Reuse. The Town currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the Town files and receives approval of reuse applications.

Genola Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the Town will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Genola Table 8: Spanish Fork River. No Spanish Fork river water is provided to the Town, therefore this table consists of all zeros.

Genola Table 9: Irrigation Shares. No other sources owned by local irrigation companies including local streams, springs, and wells, are available to the Town, therefore this table consists of all zeros.

Genola Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the

total annual culinary use, and the annual residential culinary use as reported by the Town to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Genola, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Genola Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the Town to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Genola, the current outdoor use per ERC was calculated to be 0.60 acre-feet per ERC (4.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Genola Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Genola Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Genola Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Genola Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Genola Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Genola Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Genola Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Genola Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Genola Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Genola Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Genola Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Genola Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Genola Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Genola Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Genola Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Genola Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Genola Table 1

Genola													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	14	12	14	13	14	13	14	14	13	14	13	14	161
2017	14	12	14	13	14	13	14	14	13	14	13	14	161
2018	14	12	14	13	14	13	14	14	13	14	13	14	161
2019	14	12	14	13	14	13	14	14	13	14	13	14	161
2020	14	12	14	13	14	13	14	14	13	14	13	14	161
2021	14	12	14	13	14	13	14	14	13	14	13	14	161
2022	14	12	14	13	14	13	14	14	13	14	13	14	161
2023	14	12	14	13	14	13	14	14	13	14	13	14	161
2024	14	12	14	13	14	13	14	14	13	14	13	14	161
2025	14	12	14	13	14	13	14	14	13	14	13	14	161
2026	14	12	14	13	14	13	14	14	13	14	13	14	161
2027	14	12	14	13	14	13	14	14	13	14	13	14	161
2028	14	12	14	13	14	13	14	14	13	14	13	14	161
2029	14	12	14	13	14	13	14	14	13	14	13	14	161
2030	14	12	14	13	14	13	14	14	13	14	13	14	161
2031	14	12	14	13	14	13	14	14	13	14	13	14	161
2032	14	12	14	13	14	13	14	14	13	14	13	14	161
2033	14	12	14	13	14	13	14	14	13	14	13	14	161
2034	14	12	14	13	14	13	14	14	13	14	13	14	161
2035	14	12	14	13	14	13	14	14	13	14	13	14	161
2036	14	12	14	13	14	13	14	14	13	14	13	14	161
2037	14	12	14	13	14	13	14	14	13	14	13	14	161
2038	14	12	14	13	14	13	14	14	13	14	13	14	161
2039	14	12	14	13	14	13	14	14	13	14	13	14	161
2040	14	12	14	13	14	13	14	14	13	14	13	14	161
2041	14	12	14	13	14	13	14	14	13	14	13	14	161
2042	14	12	14	13	14	13	14	14	13	14	13	14	161
2043	14	12	14	13	14	13	14	14	13	14	13	14	161
2044	14	12	14	13	14	13	14	14	13	14	13	14	161
2045	14	12	14	13	14	13	14	14	13	14	13	14	161
2046	14	12	14	13	14	13	14	14	13	14	13	14	161
2047	14	12	14	13	14	13	14	14	13	14	13	14	161
2048	14	12	14	13	14	13	14	14	13	14	13	14	161
2049	14	12	14	13	14	13	14	14	13	14	13	14	161
2050	14	12	14	13	14	13	14	14	13	14	13	14	161
2051	14	12	14	13	14	13	14	14	13	14	13	14	161
2052	14	12	14	13	14	13	14	14	13	14	13	14	161
2053	14	12	14	13	14	13	14	14	13	14	13	14	161
2054	14	12	14	13	14	13	14	14	13	14	13	14	161
2055	14	12	14	13	14	13	14	14	13	14	13	14	161
2056	14	12	14	13	14	13	14	14	13	14	13	14	161
2057	14	12	14	13	14	13	14	14	13	14	13	14	161
2058	14	12	14	13	14	13	14	14	13	14	13	14	161
2059	14	12	14	13	14	13	14	14	13	14	13	14	161
2060	14	12	14	13	14	13	14	14	13	14	13	14	161
2061	14	12	14	13	14	13	14	14	13	14	13	14	161
2062	14	12	14	13	14	13	14	14	13	14	13	14	161
2063	14	12	14	13	14	13	14	14	13	14	13	14	161
2064	14	12	14	13	14	13	14	14	13	14	13	14	161
2065	14	12	14	13	14	13	14	14	13	14	13	14	161

Genola Table 2

Genola													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	14	43	68	90	84	64	19	0	0	380
2026	0	0	0	14	43	68	90	84	64	19	0	0	380
2027	0	0	0	14	43	68	90	84	64	19	0	0	380
2028	0	0	0	14	43	68	90	84	64	19	0	0	380
2029	0	0	0	14	43	68	90	84	64	19	0	0	380
2030	0	0	0	14	43	68	90	84	64	19	0	0	380
2031	0	0	0	14	43	68	90	84	64	19	0	0	380
2032	0	0	0	14	43	68	90	84	64	19	0	0	380
2033	0	0	0	14	43	68	90	84	64	19	0	0	380
2034	0	0	0	14	43	68	90	84	64	19	0	0	380
2035	0	0	0	14	43	68	90	84	64	19	0	0	380
2036	0	0	0	14	43	68	90	84	64	19	0	0	380
2037	0	0	0	14	43	68	90	84	64	19	0	0	380
2038	0	0	0	14	43	68	90	84	64	19	0	0	380
2039	0	0	0	14	43	68	90	84	64	19	0	0	380
2040	0	0	0	14	43	68	90	84	64	19	0	0	380
2041	0	0	0	14	43	68	90	84	64	19	0	0	380
2042	0	0	0	14	43	68	90	84	64	19	0	0	380
2043	0	0	0	14	43	68	90	84	64	19	0	0	380
2044	0	0	0	14	43	68	90	84	64	19	0	0	380
2045	0	0	0	14	43	68	90	84	64	19	0	0	380
2046	0	0	0	14	43	68	90	84	64	19	0	0	380
2047	0	0	0	14	43	68	90	84	64	19	0	0	380
2048	0	0	0	14	43	68	90	84	64	19	0	0	380
2049	0	0	0	14	43	68	90	84	64	19	0	0	380
2050	0	0	0	14	43	68	90	84	64	19	0	0	380
2051	0	0	0	14	43	68	90	84	64	19	0	0	380
2052	0	0	0	14	43	68	90	84	64	19	0	0	380
2053	0	0	0	14	43	68	90	84	64	19	0	0	380
2054	0	0	0	14	43	68	90	84	64	19	0	0	380
2055	0	0	0	14	43	68	90	84	64	19	0	0	380
2056	0	0	0	14	43	68	90	84	64	19	0	0	380
2057	0	0	0	14	43	68	90	84	64	19	0	0	380
2058	0	0	0	14	43	68	90	84	64	19	0	0	380
2059	0	0	0	14	43	68	90	84	64	19	0	0	380
2060	0	0	0	14	43	68	90	84	64	19	0	0	380
2061	0	0	0	14	43	68	90	84	64	19	0	0	380
2062	0	0	0	14	43	68	90	84	64	19	0	0	380
2063	0	0	0	14	43	68	90	84	64	19	0	0	380
2064	0	0	0	14	43	68	90	84	64	19	0	0	380
2065	0	0	0	14	43	68	90	84	64	19	0	0	380

Genola Table 3

Genola													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	-1
2019	0	0	0	0	0	-1	-1	-1	0	0	0	0	-2
2020	0	0	0	0	0	-1	-1	-1	0	0	0	0	-4
2021	0	0	0	0	-1	-1	-1	-1	0	0	0	0	-5
2022	0	0	0	0	-1	-2	-1	-1	-1	0	0	0	-6
2023	0	0	0	0	-1	-2	-2	-2	-1	0	0	0	-7
2024	0	0	0	0	-1	-2	-2	-2	-1	0	0	0	-8
2025	0	0	0	0	-1	-2	-2	-2	-1	0	0	0	-9
2026	0	0	0	0	-1	-3	-2	-2	-1	0	0	0	-10
2027	0	0	0	0	-1	-3	-3	-3	-1	0	0	0	-12
2028	0	0	0	-1	-1	-3	-3	-3	-1	0	0	0	-13
2029	0	0	0	-1	-2	-4	-3	-3	-1	0	0	0	-14
2030	0	0	0	-1	-2	-4	-3	-3	-2	0	0	0	-15
2031	0	0	0	0	-1	-3	-3	-2	-1	0	0	0	-11
2032	0	0	0	0	-1	-2	-2	-2	-1	0	0	0	-7
2033	0	0	0	0	0	-1	-1	-1	0	0	0	0	-3
2034	0	0	0	0	0	0	0	0	0	0	0	0	1
2035	0	0	0	0	1	1	1	1	1	0	0	0	5
2036	0	0	0	0	1	2	2	2	1	0	0	0	9
2037	0	0	0	1	2	4	3	3	1	0	0	0	13
2038	0	0	0	1	2	5	4	4	2	1	0	0	17
2039	0	0	0	1	2	6	5	5	2	1	0	0	21
2040	0	0	0	1	3	7	6	6	3	1	0	0	26
2041	0	0	0	3	7	17	15	14	6	2	0	0	64
2042	0	0	0	4	12	28	24	23	10	3	0	0	104
2043	0	0	0	6	17	39	34	32	15	4	0	0	147
2044	0	0	0	8	22	51	44	42	19	6	0	0	192
2045	0	0	0	9	27	64	55	52	24	7	0	0	239
2046	0	0	0	11	33	77	67	63	29	8	0	0	289
2047	0	0	0	13	39	91	79	75	34	10	0	0	342
2048	0	0	0	16	46	106	92	87	40	12	0	0	398
2049	0	0	0	18	52	122	106	99	46	13	0	0	457
2050	0	0	0	20	59	139	120	113	52	15	0	0	519
2051	0	0	0	21	61	143	124	117	54	16	0	0	536
2052	0	0	0	22	63	148	128	120	56	16	0	0	553
2053	0	0	0	23	65	153	132	124	57	17	0	0	570
2054	0	0	0	23	67	157	136	128	59	17	0	0	588
2055	0	0	0	24	69	162	140	132	61	18	0	0	606
2056	0	0	0	25	71	167	144	136	63	18	0	0	624
2057	0	0	0	25	74	172	149	140	65	19	0	0	643
2058	0	0	0	26	76	177	153	144	66	19	0	0	662
2059	0	0	0	27	78	182	157	148	68	20	0	0	681
2060	0	0	0	28	80	187	162	152	70	20	0	0	700
2061	0	0	0	29	85	198	171	161	74	22	0	0	741
2062	0	0	0	31	90	209	181	171	79	23	0	0	783
2063	0	0	0	33	95	221	191	180	83	24	0	0	826
2064	0	0	0	34	100	233	201	190	87	25	0	0	871
2065	0	0	0	36	105	245	212	200	92	27	0	0	916

Genola Table 4

Genola													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Genola Table 5

Genola													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	13	12	14	13	16	17	18	18	15	13	13	13	175
2017	13	12	14	13	16	17	18	18	15	13	13	13	175
2018	13	12	14	13	16	17	18	18	15	13	13	13	175
2019	13	12	14	13	16	17	18	18	15	13	13	13	175
2020	13	12	14	13	16	17	18	18	15	13	13	13	175
2021	13	12	14	13	16	17	18	18	15	13	13	13	175
2022	13	12	14	13	16	17	18	18	15	13	13	13	175
2023	13	12	14	13	16	17	18	18	15	13	13	13	175
2024	13	12	14	13	16	17	18	18	15	13	13	13	175
2025	13	12	14	13	16	17	18	18	15	13	13	13	175
2026	13	12	14	13	16	17	18	18	15	13	13	13	175
2027	13	12	14	13	16	17	18	18	15	13	13	13	175
2028	13	12	14	13	16	17	18	18	15	13	13	13	175
2029	13	12	14	13	16	17	18	18	15	13	13	13	175
2030	13	12	14	13	16	17	18	18	15	13	13	13	175
2031	13	12	14	13	16	17	18	18	15	13	13	13	175
2032	13	12	14	13	16	17	18	18	15	13	13	13	175
2033	13	12	14	13	16	17	18	18	15	13	13	13	175
2034	13	12	14	13	16	17	18	18	15	13	13	13	175
2035	13	12	14	13	16	17	18	18	15	13	13	13	175
2036	13	12	14	13	16	17	18	18	15	13	13	13	175
2037	13	12	14	13	16	17	18	18	15	13	13	13	175
2038	13	12	14	13	16	17	18	18	15	13	13	13	175
2039	13	12	14	13	16	17	18	18	15	13	13	13	175
2040	13	12	14	13	16	17	18	18	15	13	13	13	175
2041	13	12	14	13	16	17	18	18	15	13	13	13	175
2042	13	12	14	13	16	17	18	18	15	13	13	13	175
2043	13	12	14	13	16	17	18	18	15	13	13	13	175
2044	13	12	14	13	16	17	18	18	15	13	13	13	175
2045	13	12	14	13	16	17	18	18	15	13	13	13	175
2046	13	12	14	13	16	17	18	18	15	13	13	13	175
2047	13	12	14	13	16	17	18	18	15	13	13	13	175
2048	13	12	14	13	16	17	18	18	15	13	13	13	175
2049	13	12	14	13	16	17	18	18	15	13	13	13	175
2050	13	12	14	13	16	17	18	18	15	13	13	13	175
2051	13	12	14	13	16	17	18	18	15	13	13	13	175
2052	13	12	14	13	16	17	18	18	15	13	13	13	175
2053	13	12	14	13	16	17	18	18	15	13	13	13	175
2054	13	12	14	13	16	17	18	18	15	13	13	13	175
2055	13	12	14	13	16	17	18	18	15	13	13	13	175
2056	13	12	14	13	16	17	18	18	15	13	13	13	175
2057	13	12	14	13	16	17	18	18	15	13	13	13	175
2058	13	12	14	13	16	17	18	18	15	13	13	13	175
2059	13	12	14	13	16	17	18	18	15	13	13	13	175
2060	13	12	14	13	16	17	18	18	15	13	13	13	175
2061	13	12	14	13	16	17	18	18	15	13	13	13	175
2062	13	12	14	13	16	17	18	18	15	13	13	13	175
2063	13	12	14	13	16	17	18	18	15	13	13	13	175
2064	13	12	14	13	16	17	18	18	15	13	13	13	175
2065	13	12	14	13	16	17	18	18	15	13	13	13	175

Genola Table 6

Genola													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Genola Table 7

Genola													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	1
2032	0	0	0	0	0	0	0	0	0	0	0	0	2
2033	0	0	0	0	0	0	0	0	0	0	0	0	3
2034	0	0	0	0	0	0	0	0	0	0	0	0	5
2035	0	0	0	0	1	1	1	1	0	0	0	0	6
2036	1	0	1	0	1	1	1	1	1	1	0	0	7
2037	1	1	1	1	1	1	1	1	1	1	1	1	8
2038	1	1	1	1	1	1	1	1	1	1	1	1	9
2039	1	1	1	1	1	1	1	1	1	1	1	1	10
2040	1	1	1	1	1	1	1	1	1	1	1	1	12
2041	2	2	2	2	2	2	2	2	2	2	2	2	22
2042	3	2	3	2	3	3	4	3	3	3	2	2	34
2043	4	3	4	3	4	5	5	5	4	4	3	3	46
2044	4	4	5	4	5	6	6	6	5	4	4	4	59
2045	6	5	6	5	6	7	8	7	6	6	5	5	72
2046	7	6	7	6	8	9	9	9	8	7	6	6	86
2047	8	7	8	7	9	10	11	10	9	8	7	7	101
2048	9	8	9	8	10	12	12	12	10	9	8	9	117
2049	10	9	11	10	12	13	14	14	12	10	10	10	134
2050	12	10	12	11	13	15	16	15	13	12	11	11	151
2051	12	11	12	11	14	15	16	16	14	12	11	11	156
2052	12	11	13	12	14	16	17	16	14	12	12	12	161
2053	13	11	13	12	15	16	17	17	15	13	12	12	166
2054	13	12	14	12	15	17	18	17	15	13	12	12	171
2055	14	12	14	13	16	17	18	18	15	13	13	13	176
2056	14	13	14	13	16	18	19	18	16	14	13	13	181
2057	14	13	15	14	17	18	20	19	16	14	13	14	186
2058	15	13	15	14	17	19	20	19	17	15	14	14	192
2059	15	14	16	14	17	20	21	20	17	15	14	14	197
2060	16	14	16	15	18	20	21	20	18	15	14	15	203
2061	16	15	17	16	19	21	22	22	19	16	15	16	214
2062	17	16	18	16	20	22	24	23	20	17	16	16	226
2063	18	17	19	17	21	24	25	24	21	18	17	17	238
2064	19	17	20	18	22	25	26	25	22	19	18	18	251
2065	20	18	21	19	23	26	28	27	23	20	19	19	264

Genola Table 8

Genola													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Genola Table 9

Genola													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Genola Table 10

Genola													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	14	13	15	14	17	19	20	19	17	14	13	14	189
2018	14	13	15	14	17	19	20	19	17	14	13	14	188
2019	14	13	15	14	17	19	20	19	17	14	13	14	188
2020	14	13	15	14	17	19	20	19	17	14	13	14	188
2021	14	13	15	14	17	19	20	19	16	14	13	14	187
2022	14	13	15	14	17	19	20	19	16	14	13	14	187
2023	14	13	15	14	17	18	20	19	16	14	13	14	187
2024	14	13	15	14	17	18	20	19	16	14	13	14	186
2025	14	13	15	13	16	18	20	19	16	14	13	14	186
2026	14	13	15	13	16	18	20	19	16	14	13	14	186
2027	14	13	15	13	16	18	19	19	16	14	13	14	185
2028	14	13	15	13	16	18	19	19	16	14	13	13	185
2029	14	13	15	13	16	18	19	19	16	14	13	13	185
2030	14	13	15	13	16	18	19	19	16	14	13	13	184
2031	14	13	15	13	16	18	19	19	16	14	13	14	186
2032	14	13	15	14	17	18	20	19	16	14	13	14	187
2033	14	13	15	14	17	19	20	19	17	14	13	14	188
2034	14	13	15	14	17	19	20	19	17	14	14	14	189
2035	15	13	15	14	17	19	20	19	17	15	14	14	190
2036	15	13	15	14	17	19	20	19	17	15	14	14	191
2037	15	13	15	14	17	19	20	19	17	15	14	14	192
2038	15	13	15	14	17	19	20	20	17	15	14	14	194
2039	15	13	15	14	17	19	20	20	17	15	14	14	195
2040	15	14	15	14	17	19	21	20	17	15	14	14	196
2041	16	14	16	15	18	20	22	21	18	16	15	15	207
2042	17	15	17	16	19	22	23	22	19	17	16	16	218
2043	18	16	18	17	20	23	24	23	20	18	16	17	230
2044	19	17	19	18	21	24	25	25	21	19	17	18	243
2045	20	18	20	19	23	25	27	26	23	20	18	19	256
2046	21	19	21	20	24	27	28	27	24	21	19	20	270
2047	22	20	23	21	25	28	30	29	25	22	20	21	285
2048	23	21	24	22	27	30	32	30	26	23	21	22	301
2049	24	22	25	23	28	31	33	32	28	24	23	23	317
2050	26	23	26	24	30	33	35	34	29	26	24	24	335
2051	26	24	27	25	30	34	36	34	30	26	24	25	339
2052	26	24	27	25	30	34	36	35	30	26	25	25	344
2053	27	24	28	25	31	35	37	35	31	27	25	25	349
2054	27	25	28	26	31	35	37	36	31	27	25	26	354
2055	28	25	28	26	32	36	38	36	32	27	26	26	359
2056	28	25	29	26	32	36	38	37	32	28	26	27	364
2057	28	26	29	27	33	37	39	37	32	28	26	27	370
2058	29	26	30	27	33	37	39	38	33	29	27	27	375
2059	29	26	30	28	34	38	40	38	33	29	27	28	380
2060	30	27	30	28	34	38	40	39	34	29	28	28	386
2061	30	28	31	29	35	39	42	40	35	30	28	29	397
2062	31	28	32	30	36	40	43	41	36	31	29	30	409
2063	32	29	33	31	37	42	44	43	37	32	30	31	421
2064	33	30	34	31	38	43	46	44	38	33	31	32	434
2065	34	31	35	32	40	44	47	45	39	34	32	33	447

Genola Table 11

Genola													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	10	33	51	68	64	49	14	0	0	289
2018	0	0	0	10	33	51	68	64	49	14	0	0	289
2019	0	0	0	10	33	51	68	64	49	14	0	0	289
2020	0	0	0	10	33	51	68	64	49	14	0	0	289
2021	0	0	0	10	33	51	68	64	49	14	0	0	289
2022	0	0	0	10	33	51	68	64	49	14	0	0	289
2023	0	0	0	10	33	52	68	64	49	14	0	0	289
2024	0	0	0	10	33	52	68	64	49	14	0	0	289
2025	0	0	0	10	33	52	68	64	49	14	0	0	290
2026	0	0	0	10	33	52	68	64	49	14	0	0	290
2027	0	0	0	10	33	52	68	64	49	14	0	0	290
2028	0	0	0	10	33	52	68	64	49	14	0	0	290
2029	0	0	0	10	33	52	68	64	49	14	0	0	290
2030	0	0	0	10	33	52	68	64	49	14	0	0	290
2031	0	0	0	11	33	52	69	64	49	14	0	0	292
2032	0	0	0	11	33	52	70	65	50	14	0	0	295
2033	0	0	0	11	34	53	70	65	50	15	0	0	297
2034	0	0	0	11	34	53	71	66	50	15	0	0	299
2035	0	0	0	11	34	54	71	66	51	15	0	0	302
2036	0	0	0	11	34	54	72	67	51	15	0	0	304
2037	0	0	0	11	35	55	72	67	52	15	0	0	307
2038	0	0	0	11	35	55	73	68	52	15	0	0	309
2039	0	0	0	11	35	55	74	69	52	15	0	0	312
2040	0	0	0	11	36	56	74	69	53	15	0	0	314
2041	0	0	0	12	38	59	78	73	56	16	0	0	332
2042	0	0	0	13	40	62	83	77	59	17	0	0	351
2043	0	0	0	13	42	66	88	82	62	18	0	0	371
2044	0	0	0	14	44	70	93	86	66	19	0	0	392
2045	0	0	0	15	47	74	98	91	70	20	0	0	415
2046	0	0	0	16	50	78	103	96	74	21	0	0	438
2047	0	0	0	17	52	82	109	102	78	23	0	0	463
2048	0	0	0	18	55	87	116	108	82	24	0	0	490
2049	0	0	0	19	59	92	122	114	87	25	0	0	518
2050	0	0	0	20	62	97	129	120	92	27	0	0	547
2051	0	0	0	20	63	99	131	122	93	27	0	0	556
2052	0	0	0	20	64	101	133	124	95	28	0	0	565
2053	0	0	0	21	65	102	136	126	97	28	0	0	575
2054	0	0	0	21	66	104	138	128	98	29	0	0	584
2055	0	0	0	21	67	106	140	131	100	29	0	0	593
2056	0	0	0	22	68	107	142	133	101	30	0	0	603
2057	0	0	0	22	69	109	145	135	103	30	0	0	613
2058	0	0	0	22	70	111	147	137	105	31	0	0	623
2059	0	0	0	23	72	113	149	139	106	31	0	0	633
2060	0	0	0	23	73	114	152	142	108	32	0	0	643
2061	0	0	0	24	75	118	157	146	111	33	0	0	664
2062	0	0	0	25	77	122	162	151	115	34	0	0	685
2063	0	0	0	25	80	126	167	155	119	35	0	0	706
2064	0	0	0	26	82	130	172	160	122	36	0	0	729
1905	0	0	0	27	85	134	177	165	126	37	0	0	752

Genola Table 12

Genola													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	14	13	15	24	49	70	88	83	65	29	13	14	477
2018	14	13	15	24	49	70	88	83	65	29	13	14	477
2019	14	13	15	24	49	70	88	83	65	29	13	14	477
2020	14	13	15	24	49	70	88	83	65	29	13	14	477
2021	14	13	15	24	49	70	88	83	65	29	13	14	477
2022	14	13	15	24	49	70	88	83	65	28	13	14	476
2023	14	13	15	24	49	70	88	83	65	28	13	14	476
2024	14	13	15	24	49	70	88	83	65	28	13	14	476
2025	14	13	15	24	49	70	88	83	65	28	13	14	476
2026	14	13	15	24	49	70	88	83	65	28	13	14	475
2027	14	13	15	24	49	70	88	82	65	28	13	14	475
2028	14	13	15	24	49	70	88	82	65	28	13	13	475
2029	14	13	15	24	49	70	88	82	65	28	13	13	475
2030	14	13	15	24	49	70	88	82	65	28	13	13	474
2031	14	13	15	24	49	70	88	83	65	29	13	14	478
2032	14	13	15	24	50	71	89	84	66	29	13	14	481
2033	14	13	15	24	50	71	90	84	66	29	13	14	485
2034	14	13	15	24	51	72	91	85	67	29	14	14	488
2035	15	13	15	25	51	73	91	86	67	29	14	14	492
2036	15	13	15	25	51	73	92	86	68	30	14	14	496
2037	15	13	15	25	52	74	93	87	68	30	14	14	499
2038	15	13	15	25	52	74	93	88	69	30	14	14	503
2039	15	13	15	25	52	75	94	88	69	30	14	14	506
2040	15	14	15	26	53	75	95	89	70	30	14	14	510
2041	16	14	16	27	56	80	100	94	74	32	15	15	539
2042	17	15	17	28	59	84	106	99	78	34	16	16	569
2043	18	16	18	30	62	89	112	105	83	36	16	17	601
2044	19	17	19	32	66	94	118	111	87	38	17	18	635
2045	20	18	20	34	70	99	125	117	92	40	18	19	671
2046	21	19	21	35	73	105	132	124	97	42	19	20	709
2047	22	20	23	37	78	111	139	131	103	45	20	21	748
2048	23	21	24	39	82	117	147	138	109	47	21	22	791
2049	24	22	25	42	87	124	156	146	115	50	23	23	835
2050	26	23	26	44	91	131	164	154	121	52	24	24	882
2051	26	24	27	45	93	133	167	157	123	53	24	25	896
2052	26	24	27	45	94	135	170	159	125	54	25	25	910
2053	27	24	28	46	96	137	172	162	127	55	25	25	924
2054	27	25	28	47	97	139	175	164	129	56	25	26	938
2055	28	25	28	47	99	141	178	167	131	57	26	26	953
2056	28	25	29	48	100	143	181	170	133	57	26	27	968
2057	28	26	29	49	102	146	183	172	135	58	26	27	983
2058	29	26	30	50	104	148	186	175	138	59	27	27	998
2059	29	26	30	50	105	150	189	178	140	60	27	28	1,013
2060	30	27	30	51	107	153	192	181	142	61	28	28	1,029
2061	30	28	31	53	110	157	198	186	146	63	28	29	1,061
2062	31	28	32	54	114	162	205	192	151	65	29	30	1,094
2063	32	29	33	56	117	167	211	198	156	67	30	31	1,128
2064	33	30	34	58	121	173	218	204	161	69	31	32	1,163
1905	34	31	35	59	125	178	224	211	166	71	32	33	1,199

Genola Table 13

Genola													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	12	14	16	17	16	14	12	12	12	162
2018	12	11	13	12	14	16	17	16	14	12	12	12	161
2019	12	11	13	12	14	16	17	16	14	12	12	12	161
2020	12	11	13	12	14	16	17	16	14	12	11	12	161
2021	12	11	13	12	14	16	17	16	14	12	11	12	161
2022	12	11	13	12	14	16	17	16	14	12	11	12	160
2023	12	11	13	12	14	16	17	16	14	12	11	12	160
2024	12	11	13	12	14	16	17	16	14	12	11	12	160
2025	12	11	13	12	14	16	17	16	14	12	11	12	159
2026	12	11	13	12	14	16	17	16	14	12	11	12	159
2027	12	11	13	12	14	16	17	16	14	12	11	12	159
2028	12	11	13	12	14	16	17	16	14	12	11	12	159
2029	12	11	13	11	14	16	17	16	14	12	11	12	158
2030	12	11	12	11	14	16	17	16	14	12	11	12	158
2031	12	11	13	12	14	16	17	16	14	12	11	12	159
2032	12	11	13	12	14	16	17	16	14	12	11	12	160
2033	12	11	13	12	14	16	17	16	14	12	12	12	161
2034	12	11	13	12	14	16	17	16	14	12	12	12	162
2035	12	11	13	12	14	16	17	16	14	12	12	12	163
2036	13	11	13	12	15	16	17	17	14	13	12	12	164
2037	13	11	13	12	15	16	17	17	14	13	12	12	165
2038	13	11	13	12	15	16	17	17	15	13	12	12	166
2039	13	12	13	12	15	17	18	17	15	13	12	12	167
2040	13	12	13	12	15	17	18	17	15	13	12	12	168
2041	14	12	14	13	16	18	19	18	16	14	13	13	177
2042	14	13	15	14	17	18	20	19	16	14	13	14	187
2043	15	14	16	14	17	20	21	20	17	15	14	14	197
2044	16	14	16	15	18	21	22	21	18	16	15	15	208
2045	17	15	17	16	19	22	23	22	19	17	16	16	219
2046	18	16	18	17	21	23	24	23	20	18	17	17	232
2047	19	17	19	18	22	24	26	25	21	19	17	18	244
2048	20	18	20	19	23	26	27	26	23	20	18	19	258
2049	21	19	21	20	24	27	29	28	24	21	19	20	272
2050	22	20	23	21	25	28	30	29	25	22	21	21	287
2051	22	20	23	21	26	29	31	29	26	22	21	21	291
2052	23	20	23	21	26	29	31	30	26	23	21	22	295
2053	23	21	24	22	27	30	31	30	26	23	21	22	299
2054	23	21	24	22	27	30	32	31	27	23	22	22	304
2055	24	21	24	22	27	30	32	31	27	24	22	22	308
2056	24	22	25	23	28	31	33	32	27	24	22	23	312
2057	24	22	25	23	28	31	33	32	28	24	23	23	317
2058	25	22	25	23	28	32	34	33	28	25	23	23	321
2059	25	23	26	24	29	32	34	33	29	25	23	24	326
2060	25	23	26	24	29	33	35	33	29	25	24	24	331
2061	26	24	27	25	30	34	36	34	30	26	24	25	340
2062	27	24	28	25	31	35	37	35	31	27	25	26	351
2063	28	25	29	26	32	36	38	37	32	28	26	26	361
2064	29	26	29	27	33	37	39	38	33	28	27	27	372
2065	29	27	30	28	34	38	40	39	34	29	27	28	383

Genola Table 14

Genola													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	10	32	50	66	62	47	14	0	0	280
2018	0	0	0	10	32	50	66	62	47	14	0	0	280
2019	0	0	0	10	32	50	66	62	47	14	0	0	280
2020	0	0	0	10	32	50	66	62	47	14	0	0	280
2021	0	0	0	10	32	50	66	62	47	14	0	0	280
2022	0	0	0	10	32	50	66	62	47	14	0	0	280
2023	0	0	0	10	32	50	66	62	47	14	0	0	280
2024	0	0	0	10	32	50	66	62	47	14	0	0	280
2025	0	0	0	10	32	50	66	62	47	14	0	0	280
2026	0	0	0	10	32	50	66	62	47	14	0	0	280
2027	0	0	0	10	32	50	66	62	47	14	0	0	280
2028	0	0	0	10	32	50	66	62	47	14	0	0	280
2029	0	0	0	10	32	50	66	62	47	14	0	0	280
2030	0	0	0	10	32	50	66	62	47	14	0	0	280
2031	0	0	0	10	32	50	67	62	47	14	0	0	282
2032	0	0	0	10	32	51	67	62	48	14	0	0	284
2033	0	0	0	10	32	51	67	63	48	14	0	0	286
2034	0	0	0	10	32	51	68	63	48	14	0	0	288
2035	0	0	0	10	33	52	68	64	49	14	0	0	289
2036	0	0	0	10	33	52	69	64	49	14	0	0	291
2037	0	0	0	11	33	52	69	64	49	14	0	0	293
2038	0	0	0	11	33	52	70	65	50	14	0	0	295
2039	0	0	0	11	34	53	70	65	50	15	0	0	297
2040	0	0	0	11	34	53	70	66	50	15	0	0	299
2041	0	0	0	11	35	56	74	69	52	15	0	0	312
2042	0	0	0	12	37	58	77	72	55	16	0	0	326
2043	0	0	0	12	39	61	81	75	57	17	0	0	341
2044	0	0	0	13	40	64	84	79	60	18	0	0	357
2045	0	0	0	13	42	67	88	82	63	18	0	0	374
2046	0	0	0	14	44	70	92	86	66	19	0	0	392
2047	0	0	0	15	46	73	97	90	69	20	0	0	411
2048	0	0	0	15	49	77	102	95	72	21	0	0	430
2049	0	0	0	16	51	80	107	99	76	22	0	0	451
2050	0	0	0	17	54	84	112	104	80	23	0	0	474
2051	0	0	0	17	54	85	113	106	81	24	0	0	480
2052	0	0	0	18	55	87	115	107	82	24	0	0	487
2053	0	0	0	18	56	88	117	109	83	24	0	0	494
2054	0	0	0	18	57	89	118	110	84	25	0	0	501
2055	0	0	0	18	57	90	120	112	85	25	0	0	508
2056	0	0	0	19	58	92	122	113	87	25	0	0	515
2057	0	0	0	19	59	93	123	115	88	26	0	0	523
2058	0	0	0	19	60	94	125	117	89	26	0	0	530
2059	0	0	0	19	61	96	127	118	90	26	0	0	538
2060	0	0	0	20	62	97	129	120	92	27	0	0	545
2061	0	0	0	20	63	100	132	123	94	27	0	0	561
2062	0	0	0	21	65	103	136	127	97	28	0	0	577
2063	0	0	0	21	67	106	140	130	100	29	0	0	593
2064	0	0	0	22	69	109	144	134	102	30	0	0	610
1905	0	0	0	23	71	112	148	138	105	31	0	0	627

Genola Table 15

Genola													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	22	46	66	83	78	61	26	12	12	441
2018	12	11	13	22	46	66	83	78	61	26	12	12	441
2019	12	11	13	22	46	66	83	78	61	26	12	12	441
2020	12	11	13	22	46	66	83	78	61	26	11	12	441
2021	12	11	13	22	46	66	83	78	61	26	11	12	440
2022	12	11	13	22	46	66	83	78	61	26	11	12	440
2023	12	11	13	22	46	66	83	78	61	26	11	12	440
2024	12	11	13	22	46	66	83	78	61	26	11	12	440
2025	12	11	13	22	46	66	83	78	61	26	11	12	440
2026	12	11	13	22	46	66	83	78	61	26	11	12	439
2027	12	11	13	22	46	66	83	78	61	26	11	12	439
2028	12	11	13	22	46	66	83	78	61	26	11	12	439
2029	12	11	13	22	46	66	83	78	61	26	11	12	439
2030	12	11	12	22	46	66	83	78	61	26	11	12	439
2031	12	11	13	22	46	66	83	78	61	26	11	12	441
2032	12	11	13	22	46	66	84	79	62	26	11	12	444
2033	12	11	13	22	47	67	84	79	62	26	12	12	447
2034	12	11	13	22	47	67	85	80	63	26	12	12	450
2035	12	11	13	22	47	68	85	80	63	27	12	12	452
2036	13	11	13	22	47	68	86	81	63	27	12	12	455
2037	13	11	13	23	48	68	86	81	64	27	12	12	458
2038	13	11	13	23	48	69	87	82	64	27	12	12	461
2039	13	12	13	23	48	69	88	82	65	27	12	12	464
2040	13	12	13	23	49	70	88	83	65	27	12	12	467
2041	14	12	14	24	51	73	92	87	68	29	13	13	489
2042	14	13	15	25	53	77	97	91	71	30	13	14	513
2043	15	14	16	27	56	80	101	95	75	32	14	14	539
2044	16	14	16	28	59	84	106	100	78	33	15	15	565
2045	17	15	17	29	62	88	111	104	82	35	16	16	594
2046	18	16	18	31	65	93	117	110	86	37	17	17	623
2047	19	17	19	32	68	97	123	115	90	39	17	18	655
2048	20	18	20	34	71	102	129	121	95	41	18	19	688
2049	21	19	21	36	75	107	135	127	100	43	19	20	723
2050	22	20	23	38	79	113	142	133	105	45	21	21	760
2051	22	20	23	38	80	114	144	135	106	46	21	21	771
2052	23	20	23	39	81	116	146	137	108	46	21	22	782
2053	23	21	24	39	82	118	148	139	109	47	21	22	793
2054	23	21	24	40	83	119	150	141	111	48	22	22	805
2055	24	21	24	41	85	121	152	143	112	48	22	22	816
2056	24	22	25	41	86	123	154	145	114	49	22	23	828
2057	24	22	25	42	87	124	157	147	116	50	23	23	839
2058	25	22	25	42	88	126	159	149	117	51	23	23	851
2059	25	23	26	43	90	128	161	151	119	51	23	24	864
2060	25	23	26	44	91	130	163	153	121	52	24	24	876
2061	26	24	27	45	94	134	168	158	124	54	24	25	901
2062	27	24	28	46	96	137	173	162	128	55	25	26	927
2063	28	25	29	48	99	141	178	167	131	57	26	26	954
2064	29	26	29	49	102	145	183	172	135	58	27	27	981
1905	29	27	30	50	105	149	188	177	139	60	27	28	1,010

Genola Table 16

Genola													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	12	14	16	17	16	14	12	12	12	162
2018	12	11	13	12	14	16	17	16	14	12	11	12	161
2019	12	11	13	12	14	16	17	16	14	12	11	12	160
2020	12	11	13	12	14	16	17	16	14	12	11	12	159
2021	12	11	12	11	14	16	17	16	14	12	11	11	158
2022	12	11	12	11	14	15	16	16	14	12	11	11	157
2023	12	11	12	11	14	15	16	16	14	12	11	11	155
2024	12	11	12	11	14	15	16	16	14	12	11	11	154
2025	12	11	12	11	14	15	16	15	13	12	11	11	153
2026	12	11	12	11	13	15	16	15	13	12	11	11	152
2027	12	10	12	11	13	15	16	15	13	12	11	11	151
2028	11	10	12	11	13	15	16	15	13	11	11	11	150
2029	11	10	12	11	13	15	16	15	13	11	11	11	149
2030	11	10	12	11	13	15	15	15	13	11	11	11	147
2031	11	10	12	11	13	15	16	15	13	11	11	11	148
2032	11	10	12	11	13	15	16	15	13	11	11	11	148
2033	11	10	12	11	13	15	16	15	13	11	11	11	149
2034	11	10	12	11	13	15	16	15	13	11	11	11	149
2035	11	10	12	11	13	15	16	15	13	11	11	11	149
2036	11	10	12	11	13	15	16	15	13	11	11	11	150
2037	12	10	12	11	13	15	16	15	13	11	11	11	150
2038	12	10	12	11	13	15	16	15	13	12	11	11	150
2039	12	10	12	11	13	15	16	15	13	12	11	11	151
2040	12	10	12	11	13	15	16	15	13	12	11	11	151
2041	12	11	13	12	14	16	17	16	14	12	11	12	159
2042	13	12	13	12	15	17	18	17	15	13	12	12	168
2043	14	12	14	13	16	18	19	18	16	14	13	13	177
2044	14	13	15	14	17	18	20	19	16	14	13	14	187
2045	15	14	16	14	17	19	21	20	17	15	14	14	197
2046	16	14	16	15	18	21	22	21	18	16	15	15	208
2047	17	15	17	16	19	22	23	22	19	17	16	16	219
2048	18	16	18	17	20	23	24	23	20	18	16	17	231
2049	19	17	19	18	22	24	26	25	21	19	17	18	243
2050	20	18	20	19	23	25	27	26	23	20	18	19	256
2051	20	18	21	19	23	26	27	26	23	20	19	19	260
2052	20	18	21	19	23	26	28	27	23	20	19	19	263
2053	20	18	21	19	24	26	28	27	23	20	19	19	266
2054	21	19	21	20	24	27	28	27	24	21	19	20	270
2055	21	19	22	20	24	27	29	28	24	21	20	20	273
2056	21	19	22	20	25	27	29	28	24	21	20	20	277
2057	22	19	22	20	25	28	29	28	25	21	20	20	280
2058	22	20	22	21	25	28	30	29	25	22	20	21	284
2059	22	20	23	21	25	28	30	29	25	22	21	21	288
2060	22	20	23	21	26	29	31	29	26	22	21	21	291
2061	23	21	24	22	27	30	31	30	26	23	21	22	300
2062	24	21	24	22	27	31	32	31	27	24	22	22	308
2063	24	22	25	23	28	31	33	32	28	24	23	23	317
2064	25	23	26	24	29	32	34	33	29	25	23	24	326
2065	26	23	26	24	30	33	35	34	29	26	24	24	335

Genola Table 17

Genola													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	10	32	50	66	62	47	14	0	0	280
2018	0	0	0	10	31	49	65	61	47	14	0	0	277
2019	0	0	0	10	31	49	65	60	46	13	0	0	274
2020	0	0	0	10	31	48	64	60	46	13	0	0	272
2021	0	0	0	10	30	48	63	59	45	13	0	0	268
2022	0	0	0	10	30	47	62	58	44	13	0	0	265
2023	0	0	0	9	30	46	62	57	44	13	0	0	261
2024	0	0	0	9	29	46	61	57	43	13	0	0	258
2025	0	0	0	9	29	45	60	56	43	12	0	0	254
2026	0	0	0	9	28	45	59	55	42	12	0	0	251
2027	0	0	0	9	28	44	58	54	42	12	0	0	248
2028	0	0	0	9	28	43	58	54	41	12	0	0	244
2029	0	0	0	9	27	43	57	53	40	12	0	0	241
2030	0	0	0	9	27	42	56	52	40	12	0	0	238
2031	0	0	0	9	27	42	56	52	40	12	0	0	237
2032	0	0	0	9	27	42	56	52	40	12	0	0	237
2033	0	0	0	8	27	42	56	52	40	12	0	0	236
2034	0	0	0	8	27	42	56	52	40	12	0	0	235
2035	0	0	0	8	27	42	55	52	39	12	0	0	235
2036	0	0	0	8	26	42	55	52	39	11	0	0	234
2037	0	0	0	8	26	42	55	51	39	11	0	0	234
2038	0	0	0	8	26	42	55	51	39	11	0	0	233
2039	0	0	0	8	26	41	55	51	39	11	0	0	233
2040	0	0	0	8	26	41	55	51	39	11	0	0	232
2041	0	0	0	9	27	43	57	53	41	12	0	0	241
2042	0	0	0	9	28	45	59	55	42	12	0	0	251
2043	0	0	0	9	30	47	62	58	44	13	0	0	262
2044	0	0	0	10	31	49	64	60	46	13	0	0	273
2045	0	0	0	10	32	51	67	62	48	14	0	0	284
2046	0	0	0	11	33	53	70	65	50	15	0	0	296
2047	0	0	0	11	35	55	73	68	52	15	0	0	309
2048	0	0	0	12	36	57	76	71	54	16	0	0	322
2049	0	0	0	12	38	60	79	74	57	16	0	0	337
2050	0	0	0	13	40	63	83	77	59	17	0	0	351
2051	0	0	0	13	40	63	84	78	60	17	0	0	355
2052	0	0	0	13	41	64	85	79	60	18	0	0	359
2053	0	0	0	13	41	64	85	80	61	18	0	0	362
2054	0	0	0	13	41	65	86	80	61	18	0	0	366
2055	0	0	0	13	42	66	87	81	62	18	0	0	370
2056	0	0	0	13	42	66	88	82	63	18	0	0	373
2057	0	0	0	14	43	67	89	83	63	18	0	0	377
2058	0	0	0	14	43	68	90	84	64	19	0	0	381
2059	0	0	0	14	44	69	91	85	65	19	0	0	385
2060	0	0	0	14	44	69	92	86	65	19	0	0	389
2061	0	0	0	14	45	71	94	88	67	19	0	0	398
2062	0	0	0	15	46	72	96	90	68	20	0	0	407
2063	0	0	0	15	47	74	98	92	70	20	0	0	416
2064	0	0	0	15	48	76	101	94	72	21	0	0	426
1905	0	0	0	16	49	78	103	96	73	21	0	0	436

Genola Table 18

Genola													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	22	46	66	83	78	61	26	12	12	441
2018	12	11	13	22	46	65	82	77	61	26	11	12	438
2019	12	11	13	21	45	65	82	77	60	26	11	12	434
2020	12	11	13	21	45	64	81	76	60	25	11	12	431
2021	12	11	12	21	44	63	80	75	59	25	11	11	426
2022	12	11	12	21	44	63	79	74	58	25	11	11	421
2023	12	11	12	21	43	62	78	73	58	25	11	11	417
2024	12	11	12	20	43	61	77	72	57	24	11	11	412
2025	12	11	12	20	42	60	76	71	56	24	11	11	407
2026	12	11	12	20	42	60	75	71	55	24	11	11	403
2027	12	10	12	20	41	59	74	70	55	24	11	11	398
2028	11	10	12	20	41	58	73	69	54	23	11	11	394
2029	11	10	12	19	40	58	72	68	54	23	11	11	389
2030	11	10	12	19	40	57	72	67	53	23	11	11	385
2031	11	10	12	19	40	57	71	67	53	23	11	11	385
2032	11	10	12	19	40	57	71	67	53	23	11	11	385
2033	11	10	12	19	40	57	71	67	53	23	11	11	385
2034	11	10	12	19	40	57	71	67	53	23	11	11	384
2035	11	10	12	19	40	57	71	67	53	23	11	11	384
2036	11	10	12	19	40	57	71	67	53	23	11	11	384
2037	12	10	12	19	40	56	71	67	52	23	11	11	384
2038	12	10	12	19	40	56	71	67	52	23	11	11	384
2039	12	10	12	19	40	56	71	66	52	23	11	11	384
2040	12	10	12	19	40	56	71	66	52	23	11	11	383
2041	12	11	13	20	41	59	74	69	55	24	11	12	401
2042	13	12	13	21	43	61	77	72	57	25	12	12	419
2043	14	12	14	22	45	64	80	75	60	26	13	13	439
2044	14	13	15	23	47	67	84	79	62	28	13	14	459
2045	15	14	16	25	50	70	88	82	65	29	14	14	481
2046	16	14	16	26	52	73	92	86	68	30	15	15	504
2047	17	15	17	27	54	77	96	90	71	32	16	16	528
2048	18	16	18	28	57	80	100	94	74	33	16	17	553
2049	19	17	19	30	60	84	105	99	78	35	17	18	580
2050	20	18	20	31	62	88	110	103	82	37	18	19	608
2051	20	18	21	32	63	89	111	104	82	37	19	19	615
2052	20	18	21	32	64	90	112	105	83	38	19	19	622
2053	20	18	21	32	65	91	113	107	84	38	19	19	629
2054	21	19	21	33	65	92	115	108	85	39	19	20	636
2055	21	19	22	33	66	93	116	109	86	39	20	20	643
2056	21	19	22	34	67	94	117	110	87	39	20	20	650
2057	22	19	22	34	67	95	118	111	88	40	20	20	658
2058	22	20	22	34	68	96	120	113	89	40	20	21	665
2059	22	20	23	35	69	97	121	114	90	41	21	21	673
2060	22	20	23	35	70	98	122	115	91	41	21	21	680
2061	23	21	24	36	71	100	125	118	93	42	21	22	698
2062	24	21	24	37	73	103	128	121	95	44	22	22	715
2063	24	22	25	38	75	105	132	124	98	45	23	23	733
2064	25	23	26	39	77	108	135	127	100	46	23	24	752
1905	26	23	26	40	79	111	138	130	103	47	24	24	771

Genola Table 19

Genola													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	27	25	28	26	29	31	32	31	29	27	26	26	337
2017	13	11	13	12	13	12	12	12	12	13	12	13	148
2018	13	11	13	12	13	12	12	12	12	13	12	13	148
2019	13	11	13	12	13	12	12	12	12	13	12	13	148
2020	13	12	13	12	13	12	12	12	12	13	12	13	149
2021	13	12	13	12	13	12	12	12	12	13	12	13	149
2022	13	12	13	12	13	12	12	13	12	13	12	13	149
2023	13	12	13	12	13	12	12	13	12	13	12	13	150
2024	13	12	13	12	13	12	13	13	12	13	12	13	150
2025	13	12	13	12	13	12	13	13	12	13	12	13	150
2026	13	12	13	12	13	12	13	13	12	13	13	13	151
2027	13	12	13	13	13	12	13	13	12	13	13	13	151
2028	13	12	13	13	13	12	13	13	12	13	13	13	151
2029	13	12	13	13	13	12	13	13	12	13	13	13	152
2030	13	12	13	13	13	12	13	13	12	13	13	13	152
2031	13	12	13	13	13	12	13	13	12	13	13	13	152
2032	13	12	13	13	13	12	13	13	12	13	13	13	152
2033	13	12	13	13	13	12	13	13	12	13	13	13	152
2034	13	12	13	13	13	12	13	13	12	13	13	13	152
2035	13	12	13	13	13	12	13	13	12	13	13	13	152
2036	13	12	13	13	13	12	13	13	12	13	13	13	152
2037	13	12	13	13	13	12	13	13	12	13	13	13	152
2038	13	12	13	13	13	12	13	13	12	13	13	13	152
2039	13	12	13	13	13	12	13	13	12	13	13	13	152
2040	13	12	13	13	13	12	13	13	12	13	13	13	152
2041	13	12	13	13	13	12	13	13	12	13	13	13	152
2042	13	12	13	13	13	12	13	13	12	13	13	13	152
2043	13	12	13	13	13	12	13	13	12	13	13	13	152
2044	13	12	13	13	13	12	13	13	12	13	13	13	152
2045	13	12	13	13	13	12	13	13	12	13	13	13	153
2046	13	12	13	13	13	12	13	13	12	13	13	13	153
2047	13	12	13	13	13	12	13	13	13	13	13	13	153
2048	13	12	13	13	13	12	13	13	13	13	13	13	153
2049	13	12	13	13	13	12	13	13	13	13	13	13	153
2050	13	12	13	13	13	12	13	13	13	13	13	13	153
2051	13	12	13	13	13	12	13	13	13	13	13	13	153
2052	13	12	13	13	13	12	13	13	13	13	13	13	153
2053	13	12	13	13	13	12	13	13	13	13	13	13	153
2054	13	12	13	13	13	12	13	13	13	13	13	13	153
2055	13	12	13	13	13	12	13	13	13	13	13	13	153
2056	13	12	13	13	13	12	13	13	13	13	13	13	153
2057	13	12	13	13	13	12	13	13	13	13	13	13	153
2058	13	12	13	13	13	12	13	13	13	13	13	13	153
2059	13	12	13	13	13	12	13	13	13	13	13	13	153
2060	13	12	13	13	13	12	13	13	13	13	13	13	153
2061	13	12	13	13	13	12	13	13	13	13	13	13	154
2062	13	12	13	13	13	12	13	13	13	13	13	13	154
2063	13	12	13	13	13	13	13	13	13	13	13	13	154
2064	13	12	13	13	13	13	13	13	13	13	13	13	154
2065	13	12	13	13	13	13	13	13	13	13	13	13	154

Genola Table 20

Genola													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-10	-33	-51	-68	-64	-49	-14	0	0	-289
2018	0	0	0	-10	-33	-52	-68	-64	-49	-14	0	0	-290
2019	0	0	0	-10	-33	-52	-69	-64	-49	-14	0	0	-291
2020	0	0	0	-11	-33	-52	-69	-64	-49	-14	0	0	-293
2021	0	0	0	-11	-33	-53	-69	-65	-49	-14	0	0	-294
2022	0	0	0	-11	-33	-53	-70	-65	-49	-14	0	0	-295
2023	0	0	0	-11	-33	-53	-70	-65	-49	-14	0	0	-296
2024	0	0	0	-11	-34	-54	-70	-65	-49	-14	0	0	-298
2025	0	0	0	3	9	14	19	18	14	4	0	0	81
2026	0	0	0	3	9	13	19	18	14	4	0	0	80
2027	0	0	0	3	9	13	19	17	14	4	0	0	79
2028	0	0	0	3	9	13	18	17	14	4	0	0	77
2029	0	0	0	3	9	12	18	17	14	4	0	0	76
2030	0	0	0	3	8	12	18	17	14	4	0	0	75
2031	0	0	0	3	9	13	18	17	14	4	0	0	77
2032	0	0	0	3	9	13	18	17	14	4	0	0	78
2033	0	0	0	3	9	14	19	18	14	4	0	0	80
2034	0	0	0	3	9	15	19	18	14	4	0	0	81
2035	0	0	0	3	9	15	20	18	14	4	0	0	83
2036	0	0	0	3	10	16	20	19	14	4	0	0	85
2037	0	0	0	3	10	17	20	19	14	4	0	0	86
2038	0	0	0	3	10	17	21	19	14	4	0	0	88
2039	0	0	0	3	10	18	21	20	14	4	0	0	90
2040	0	0	0	3	10	19	21	20	14	4	0	0	91
2041	0	0	0	4	13	26	26	24	14	4	0	0	112
2042	0	0	0	5	15	33	31	29	15	4	0	0	133
2043	0	0	0	6	18	41	36	34	16	5	0	0	156
2044	0	0	0	7	21	49	41	39	17	5	0	0	179
2045	0	0	0	8	23	58	47	44	18	5	0	0	205
2046	0	0	0	9	26	67	53	50	19	6	0	0	231
2047	0	0	0	10	30	77	59	56	20	6	0	0	259
2048	0	0	0	12	33	87	66	63	21	6	0	0	288
2049	0	0	0	13	37	98	73	69	23	7	0	0	319
2050	0	0	0	14	40	109	80	76	24	7	0	0	351
2051	0	0	0	15	41	112	82	78	24	7	0	0	359
2052	0	0	0	15	42	115	84	80	24	7	0	0	367
2053	0	0	0	15	43	118	86	81	25	7	0	0	376
2054	0	0	0	16	44	121	88	83	25	7	0	0	384
2055	0	0	0	16	45	124	90	85	25	7	0	0	393
2056	0	0	0	17	46	127	92	87	25	7	0	0	401
2057	0	0	0	17	47	130	94	89	25	7	0	0	410
2058	0	0	0	17	48	134	96	91	26	7	0	0	419
2059	0	0	0	18	49	137	98	93	26	7	0	0	428
2060	0	0	0	18	50	140	100	95	26	8	0	0	437
2061	0	0	0	19	53	148	104	99	27	8	0	0	457
2062	0	0	0	20	55	155	109	104	27	8	0	0	478
2063	0	0	0	21	58	163	114	108	28	8	0	0	500
2064	0	0	0	22	60	171	119	113	29	8	0	0	522
2065	0	0	0	23	63	179	124	118	30	9	0	0	544

Genola Table 21

Genola													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	27	25	28	26	29	31	32	31	29	27	26	26	337
2017	13	11	13	2	-20	-39	-56	-51	-36	-1	12	13	-141
2018	13	11	13	2	-20	-40	-56	-51	-37	-1	12	13	-142
2019	13	11	13	2	-20	-40	-56	-52	-37	-2	12	13	-143
2020	13	12	13	2	-20	-40	-57	-52	-37	-2	12	13	-144
2021	13	12	13	2	-21	-41	-57	-52	-37	-2	12	13	-145
2022	13	12	13	2	-21	-41	-57	-52	-37	-2	12	13	-146
2023	13	12	13	2	-21	-41	-57	-53	-37	-2	12	13	-147
2024	13	12	13	2	-21	-42	-58	-53	-37	-2	12	13	-147
2025	13	12	13	15	22	26	32	30	27	17	12	13	232
2026	13	12	13	15	22	26	32	30	26	17	13	13	231
2027	13	12	13	15	22	25	31	30	26	17	13	13	230
2028	13	12	13	15	22	25	31	30	26	17	13	13	229
2029	13	12	13	15	21	25	31	30	26	17	13	13	228
2030	13	12	13	15	21	24	31	29	26	17	13	13	227
2031	13	12	13	15	22	25	31	30	26	17	13	13	229
2032	13	12	13	15	22	26	31	30	26	17	13	13	230
2033	13	12	13	15	22	26	32	30	26	17	13	13	232
2034	13	12	13	16	22	27	32	31	26	17	13	13	234
2035	13	12	13	16	22	28	32	31	26	17	13	13	235
2036	13	12	13	16	22	28	33	31	26	17	13	13	237
2037	13	12	13	16	23	29	33	32	26	17	13	13	238
2038	13	12	13	16	23	30	33	32	26	17	13	13	240
2039	13	12	13	16	23	30	34	32	26	17	13	13	242
2040	13	12	13	16	23	31	34	33	26	17	13	13	243
2041	13	12	13	17	26	38	39	37	27	17	13	13	264
2042	13	12	13	18	28	45	44	42	28	17	13	13	285
2043	13	12	13	19	31	53	49	47	29	18	13	13	308
2044	13	12	13	20	33	61	54	52	30	18	13	13	332
2045	13	12	13	21	36	70	60	57	31	18	13	13	357
2046	13	12	13	22	39	79	66	63	32	19	13	13	384
2047	13	12	13	23	43	89	72	69	33	19	13	13	411
2048	13	12	13	24	46	99	79	75	34	19	13	13	441
2049	13	12	13	26	50	110	86	82	35	20	13	13	472
2050	13	12	13	27	53	121	93	89	36	20	13	13	504
2051	13	12	13	27	54	124	95	91	37	20	13	13	512
2052	13	12	13	28	55	127	97	93	37	20	13	13	521
2053	13	12	13	28	56	130	99	94	37	20	13	13	529
2054	13	12	13	29	57	133	101	96	37	20	13	13	537
2055	13	12	13	29	58	137	103	98	38	20	13	13	546
2056	13	12	13	29	59	140	105	100	38	20	13	13	554
2057	13	12	13	30	60	143	107	102	38	20	13	13	563
2058	13	12	13	30	61	146	108	104	38	21	13	13	572
2059	13	12	13	30	62	149	111	106	38	21	13	13	581
2060	13	12	13	31	63	153	113	107	39	21	13	13	590
2061	13	12	13	32	66	160	117	112	39	21	13	13	611
2062	13	12	13	33	68	168	122	116	40	21	13	13	632
2063	13	12	13	34	71	175	127	121	41	21	13	13	653
2064	13	12	13	34	73	183	132	126	41	21	13	13	675
2065	13	12	13	35	76	191	137	131	42	22	13	13	698

Genola Table 22

Genola													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	27	25	28	26	29	31	32	31	29	27	26	26	337
2017	15	13	15	14	15	15	15	15	14	15	14	15	175
2018	15	13	15	14	15	15	15	15	14	15	14	15	175
2019	15	13	15	14	15	15	15	15	14	15	14	15	175
2020	15	13	15	14	15	15	15	15	15	15	14	15	176
2021	15	13	15	14	15	15	15	15	15	15	14	15	176
2022	15	13	15	14	15	15	15	15	15	15	14	15	176
2023	15	13	15	14	15	15	15	15	15	15	14	15	176
2024	15	13	15	14	15	15	15	15	15	15	14	15	177
2025	15	13	15	14	15	15	15	15	15	15	14	15	177
2026	15	13	15	14	15	15	15	15	15	15	14	15	177
2027	15	14	15	14	15	15	15	15	15	15	14	15	178
2028	15	14	15	14	15	15	15	15	15	15	14	15	178
2029	15	14	15	14	15	15	15	15	15	15	14	15	178
2030	15	14	15	14	15	15	15	15	15	15	14	15	178
2031	15	14	15	15	15	15	16	15	15	15	14	15	179
2032	15	14	15	15	15	15	16	15	15	15	15	15	179
2033	15	14	15	15	15	15	16	15	15	15	15	15	179
2034	15	14	15	15	15	15	16	15	15	15	15	15	179
2035	15	14	15	15	15	15	16	16	15	15	15	15	179
2036	15	14	15	15	15	15	16	16	15	15	15	15	179
2037	15	14	15	15	15	15	16	16	15	15	15	15	180
2038	15	14	15	15	15	15	16	16	15	15	15	15	180
2039	15	14	15	15	15	15	16	16	15	15	15	15	180
2040	15	14	15	15	15	15	16	16	15	15	15	15	180
2041	15	14	15	15	16	15	16	16	15	15	15	15	182
2042	15	14	15	15	16	15	16	16	15	15	15	15	183
2043	16	14	16	15	16	16	16	16	15	16	15	15	185
2044	16	14	16	15	16	16	16	16	16	16	15	16	187
2045	16	14	16	15	16	16	17	17	16	16	15	16	189
2046	16	14	16	15	16	16	17	17	16	16	15	16	191
2047	16	15	16	16	17	16	17	17	16	16	16	16	193
2048	16	15	16	16	17	17	17	17	16	16	16	16	196
2049	17	15	17	16	17	17	18	17	17	17	16	16	198
2050	17	15	17	16	17	17	18	18	17	17	16	17	201
2051	17	15	17	16	17	17	18	18	17	17	16	17	202
2052	17	15	17	16	17	17	18	18	17	17	16	17	202
2053	17	15	17	16	17	17	18	18	17	17	16	17	203
2054	17	15	17	16	17	17	18	18	17	17	16	17	204
2055	17	15	17	16	18	18	18	18	17	17	16	17	205
2056	17	15	17	16	18	18	18	18	17	17	16	17	205
2057	17	15	17	17	18	18	18	18	17	17	16	17	206
2058	17	16	17	17	18	18	18	18	17	17	17	17	207
2059	17	16	17	17	18	18	19	18	17	17	17	17	208
2060	17	16	17	17	18	18	19	18	17	17	17	17	209
2061	17	16	18	17	18	18	19	19	18	17	17	17	210
2062	18	16	18	17	18	18	19	19	18	18	17	17	212
2063	18	16	18	17	18	18	19	19	18	18	17	18	214
2064	18	16	18	17	19	19	19	19	18	18	17	18	216
2065	18	16	18	17	19	19	20	19	18	18	17	18	218

Genola Table 23

Genola													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-10	-32	-50	-66	-62	-47	-14	0	0	-280
2018	0	0	0	-10	-32	-50	-66	-62	-47	-14	0	0	-281
2019	0	0	0	-10	-32	-50	-67	-62	-47	-14	0	0	-282
2020	0	0	0	-10	-32	-51	-67	-62	-47	-14	0	0	-283
2021	0	0	0	-10	-32	-51	-67	-63	-47	-14	0	0	-285
2022	0	0	0	-10	-32	-51	-67	-63	-48	-14	0	0	-286
2023	0	0	0	-10	-32	-52	-68	-63	-48	-14	0	0	-287
2024	0	0	0	-10	-33	-52	-68	-63	-48	-14	0	0	-288
2025	0	0	0	3	10	15	21	20	16	5	0	0	91
2026	0	0	0	3	10	15	21	20	16	5	0	0	89
2027	0	0	0	3	10	15	21	19	16	5	0	0	88
2028	0	0	0	3	10	14	21	19	15	5	0	0	87
2029	0	0	0	3	10	14	20	19	15	4	0	0	86
2030	0	0	0	3	10	14	20	19	15	4	0	0	85
2031	0	0	0	3	10	14	21	19	15	4	0	0	87
2032	0	0	0	3	10	15	21	20	15	4	0	0	89
2033	0	0	0	3	10	16	22	20	16	5	0	0	91
2034	0	0	0	3	11	17	22	21	16	5	0	0	93
2035	0	0	0	3	11	17	23	21	16	5	0	0	96
2036	0	0	0	4	11	18	23	22	16	5	0	0	98
2037	0	0	0	4	11	19	24	22	16	5	0	0	100
2038	0	0	0	4	12	20	24	22	16	5	0	0	102
2039	0	0	0	4	12	21	25	23	16	5	0	0	105
2040	0	0	0	4	12	21	25	23	16	5	0	0	107
2041	0	0	0	5	15	29	31	29	18	5	0	0	132
2042	0	0	0	6	18	37	37	35	19	6	0	0	158
2043	0	0	0	7	21	46	43	41	21	6	0	0	186
2044	0	0	0	8	25	55	50	47	23	7	0	0	215
2045	0	0	0	10	28	65	57	53	25	7	0	0	245
2046	0	0	0	11	32	75	64	60	27	8	0	0	278
2047	0	0	0	12	36	86	72	68	29	8	0	0	312
2048	0	0	0	14	40	97	80	76	31	9	0	0	347
2049	0	0	0	15	44	109	89	84	34	10	0	0	385
2050	0	0	0	17	49	122	98	92	36	11	0	0	425
2051	0	0	0	18	50	125	100	95	37	11	0	0	435
2052	0	0	0	18	51	129	103	97	38	11	0	0	446
2053	0	0	0	18	52	132	105	99	38	11	0	0	456
2054	0	0	0	19	54	136	107	102	39	11	0	0	467
2055	0	0	0	19	55	139	110	104	39	11	0	0	478
2056	0	0	0	20	56	143	112	106	40	12	0	0	489
2057	0	0	0	20	57	146	115	109	41	12	0	0	500
2058	0	0	0	21	59	150	118	111	41	12	0	0	511
2059	0	0	0	21	60	154	120	114	42	12	0	0	523
2060	0	0	0	22	61	158	123	116	43	12	0	0	534
2061	0	0	0	23	64	166	129	122	44	13	0	0	560
2062	0	0	0	24	67	174	135	127	46	13	0	0	586
2063	0	0	0	25	70	183	141	133	47	14	0	0	613
2064	0	0	0	26	74	192	147	139	49	14	0	0	641
2065	0	0	0	27	77	201	154	145	51	15	0	0	669

Genola Table 24

Genola													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	27	25	28	26	29	31	32	31	29	27	26	26	337
2017	15	13	15	4	-17	-35	-51	-46	-33	1	14	15	-105
2018	15	13	15	4	-17	-35	-51	-47	-33	1	14	15	-106
2019	15	13	15	4	-17	-36	-51	-47	-33	1	14	15	-107
2020	15	13	15	4	-17	-36	-52	-47	-33	1	14	15	-108
2021	15	13	15	4	-17	-36	-52	-47	-33	1	14	15	-109
2022	15	13	15	4	-17	-37	-52	-48	-33	1	14	15	-110
2023	15	13	15	4	-17	-37	-52	-48	-33	1	14	15	-111
2024	15	13	15	4	-18	-37	-53	-48	-33	1	14	15	-112
2025	15	13	15	18	25	30	37	35	30	20	14	15	268
2026	15	13	15	18	25	30	37	35	30	20	14	15	267
2027	15	14	15	18	25	30	36	35	30	19	14	15	266
2028	15	14	15	18	25	29	36	35	30	19	14	15	265
2029	15	14	15	18	25	29	36	34	30	19	14	15	264
2030	15	14	15	17	25	29	36	34	30	19	14	15	263
2031	15	14	15	18	25	29	36	35	30	19	14	15	265
2032	15	14	15	18	25	30	37	35	30	20	15	15	268
2033	15	14	15	18	26	31	37	36	30	20	15	15	270
2034	15	14	15	18	26	32	38	36	30	20	15	15	272
2035	15	14	15	18	26	32	38	37	31	20	15	15	275
2036	15	14	15	18	26	33	39	37	31	20	15	15	277
2037	15	14	15	18	27	34	39	38	31	20	15	15	280
2038	15	14	15	18	27	35	40	38	31	20	15	15	282
2039	15	14	15	18	27	36	40	39	31	20	15	15	285
2040	15	14	15	19	27	36	41	39	31	20	15	15	287
2041	15	14	15	20	30	44	47	45	33	20	15	15	313
2042	15	14	15	21	34	53	53	50	35	21	15	15	341
2043	16	14	16	22	37	62	59	57	37	22	15	15	371
2044	16	14	16	24	41	71	66	63	39	22	15	16	402
2045	16	14	16	25	44	81	73	70	41	23	15	16	434
2046	16	14	16	26	48	91	81	77	43	24	15	16	469
2047	16	15	16	28	52	102	89	85	45	25	16	16	505
2048	16	15	16	30	57	114	97	93	48	25	16	16	543
2049	17	15	17	31	61	126	106	101	50	26	16	16	583
2050	17	15	17	33	66	139	116	110	53	27	16	17	626
2051	17	15	17	34	67	143	118	112	54	28	16	17	637
2052	17	15	17	34	68	146	121	115	54	28	16	17	648
2053	17	15	17	35	70	150	123	117	55	28	16	17	659
2054	17	15	17	35	71	153	126	120	56	28	16	17	671
2055	17	15	17	36	72	157	128	122	56	28	16	17	683
2056	17	15	17	36	74	160	131	124	57	29	16	17	694
2057	17	15	17	37	75	164	133	127	58	29	16	17	706
2058	17	16	17	37	76	168	136	129	58	29	17	17	718
2059	17	16	17	38	78	172	139	132	59	29	17	17	731
2060	17	16	17	38	79	176	141	135	60	30	17	17	743
2061	17	16	18	40	82	184	147	140	62	30	17	17	770
2062	18	16	18	41	86	193	154	146	63	31	17	17	798
2063	18	16	18	42	89	201	160	152	65	31	17	18	827
2064	18	16	18	43	92	211	166	158	67	32	17	18	857
2065	18	16	18	45	96	220	173	165	69	33	17	18	887

Genola Table 25

Genola													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	27	25	28	26	29	31	32	31	29	27	26	26	337
2017	15	13	15	14	15	15	15	15	14	15	14	15	175
2018	15	13	15	14	15	15	15	15	15	15	14	15	176
2019	15	13	15	14	15	15	15	15	15	15	14	15	177
2020	15	14	15	14	15	15	15	15	15	15	14	15	178
2021	15	14	15	15	15	15	16	15	15	15	15	15	179
2022	15	14	15	15	15	15	16	16	15	15	15	15	180
2023	15	14	15	15	15	15	16	16	15	15	15	15	181
2024	15	14	15	15	16	15	16	16	15	15	15	15	182
2025	15	14	15	15	16	15	16	16	15	15	15	15	183
2026	15	14	16	15	16	16	16	16	15	15	15	15	185
2027	16	14	16	15	16	16	16	16	15	16	15	15	186
2028	16	14	16	15	16	16	16	16	16	16	15	16	187
2029	16	14	16	15	16	16	17	16	16	16	15	16	188
2030	16	14	16	15	16	16	17	17	16	16	15	16	189
2031	16	14	16	15	16	16	17	17	16	16	15	16	190
2032	16	14	16	15	16	16	17	17	16	16	15	16	191
2033	16	14	16	15	16	16	17	17	16	16	15	16	191
2034	16	15	16	15	16	16	17	17	16	16	15	16	192
2035	16	15	16	16	16	16	17	17	16	16	16	16	193
2036	16	15	16	16	17	16	17	17	16	16	16	16	194
2037	16	15	16	16	17	17	17	17	16	16	16	16	194
2038	16	15	16	16	17	17	17	17	16	16	16	16	195
2039	16	15	16	16	17	17	17	17	16	16	16	16	196
2040	16	15	17	16	17	17	17	17	16	16	16	16	197
2041	17	15	17	16	17	17	18	18	17	17	16	16	199
2042	17	15	17	16	17	17	18	18	17	17	16	17	202
2043	17	15	17	16	18	18	18	18	17	17	16	17	205
2044	17	16	17	17	18	18	19	18	17	17	17	17	208
2045	18	16	18	17	18	18	19	19	18	18	17	17	212
2046	18	16	18	17	18	19	19	19	18	18	17	18	215
2047	18	16	18	17	19	19	20	20	18	18	17	18	219
2048	18	17	19	18	19	19	20	20	19	18	18	18	223
2049	19	17	19	18	20	20	21	20	19	19	18	18	227
2050	19	17	19	18	20	20	21	21	19	19	18	19	231
2051	19	17	19	18	20	20	21	21	20	19	18	19	233
2052	19	17	19	19	20	20	21	21	20	19	18	19	234
2053	19	18	20	19	20	21	22	21	20	19	19	19	236
2054	20	18	20	19	20	21	22	21	20	20	19	19	238
2055	20	18	20	19	21	21	22	22	20	20	19	19	239
2056	20	18	20	19	21	21	22	22	20	20	19	19	241
2057	20	18	20	19	21	21	22	22	20	20	19	20	242
2058	20	18	20	19	21	21	22	22	21	20	19	20	244
2059	20	18	20	19	21	22	23	22	21	20	19	20	246
2060	20	18	21	20	21	22	23	22	21	20	19	20	248
2061	21	19	21	20	22	22	23	23	21	21	20	20	251
2062	21	19	21	20	22	22	23	23	21	21	20	20	254
2063	21	19	21	20	22	23	24	23	22	21	20	21	258
2064	21	19	22	21	23	23	24	24	22	21	20	21	262
2065	22	20	22	21	23	24	25	24	22	22	21	21	265

Genola Table 26

Genola													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-10	-32	-50	-66	-62	-47	-14	0	0	-280
2018	0	0	0	-10	-31	-50	-66	-61	-47	-14	0	0	-278
2019	0	0	0	-10	-31	-49	-65	-61	-46	-14	0	0	-277
2020	0	0	0	-10	-31	-49	-65	-61	-46	-13	0	0	-275
2021	0	0	0	-10	-31	-49	-64	-60	-46	-13	0	0	-273
2022	0	0	0	-10	-31	-49	-64	-60	-45	-13	0	0	-271
2023	0	0	0	-10	-30	-48	-63	-59	-45	-13	0	0	-268
2024	0	0	0	-10	-30	-48	-63	-58	-44	-13	0	0	-266
2025	0	0	0	4	13	20	28	26	20	6	0	0	116
2026	0	0	0	4	13	20	28	26	21	6	0	0	119
2027	0	0	0	4	14	20	29	27	21	6	0	0	121
2028	0	0	0	4	14	21	29	27	22	6	0	0	123
2029	0	0	0	4	14	21	30	28	22	6	0	0	125
2030	0	0	0	5	14	21	30	28	22	7	0	0	127
2031	0	0	0	5	15	22	31	29	23	7	0	0	132
2032	0	0	0	5	15	24	32	30	23	7	0	0	136
2033	0	0	0	5	16	25	33	31	24	7	0	0	141
2034	0	0	0	5	16	26	34	32	24	7	0	0	146
2035	0	0	0	5	17	27	35	33	25	7	0	0	150
2036	0	0	0	6	17	28	36	34	25	7	0	0	155
2037	0	0	0	6	18	30	38	35	26	8	0	0	159
2038	0	0	0	6	19	31	39	36	26	8	0	0	164
2039	0	0	0	6	19	32	40	37	27	8	0	0	169
2040	0	0	0	6	20	33	41	38	27	8	0	0	173
2041	0	0	0	8	23	42	47	44	30	9	0	0	202
2042	0	0	0	9	26	51	54	51	32	9	0	0	233
2043	0	0	0	10	30	60	62	58	35	10	0	0	265
2044	0	0	0	11	34	70	70	65	37	11	0	0	299
2045	0	0	0	13	38	81	78	73	40	12	0	0	335
2046	0	0	0	14	43	92	87	81	43	13	0	0	373
2047	0	0	0	16	47	104	96	90	46	13	0	0	413
2048	0	0	0	18	52	117	106	99	50	14	0	0	456
2049	0	0	0	20	57	130	116	109	53	15	0	0	500
2050	0	0	0	21	63	144	127	119	57	17	0	0	547
2051	0	0	0	22	64	148	130	122	58	17	0	0	561
2052	0	0	0	23	66	152	133	125	59	17	0	0	574
2053	0	0	0	23	67	156	136	128	60	18	0	0	588
2054	0	0	0	24	69	160	139	131	61	18	0	0	602
2055	0	0	0	24	71	164	143	134	63	18	0	0	616
2056	0	0	0	25	72	168	146	137	64	19	0	0	631
2057	0	0	0	25	74	172	149	141	65	19	0	0	646
2058	0	0	0	26	76	177	153	144	66	19	0	0	660
2059	0	0	0	27	77	181	156	147	68	20	0	0	676
2060	0	0	0	27	79	186	160	151	69	20	0	0	691
2061	0	0	0	29	83	195	167	157	71	21	0	0	723
2062	0	0	0	30	87	204	175	165	74	22	0	0	756
2063	0	0	0	31	90	214	182	172	77	22	0	0	790
2064	0	0	0	33	94	225	190	180	80	23	0	0	824
2065	0	0	0	34	99	235	199	187	83	24	0	0	860

Genola Table 27

Genola													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	27	25	28	26	29	31	32	31	29	27	26	26	337
2017	15	13	15	4	-17	-35	-51	-46	-33	1	14	15	-105
2018	15	13	15	4	-16	-35	-50	-46	-32	1	14	15	-102
2019	15	13	15	4	-16	-35	-50	-46	-32	1	14	15	-100
2020	15	14	15	5	-16	-34	-50	-45	-31	2	14	15	-98
2021	15	14	15	5	-16	-34	-49	-45	-31	2	15	15	-94
2022	15	14	15	5	-15	-34	-48	-44	-30	2	15	15	-91
2023	15	14	15	5	-15	-33	-47	-43	-30	2	15	15	-87
2024	15	14	15	5	-14	-33	-47	-43	-29	2	15	15	-84
2025	15	14	15	19	29	35	44	42	35	21	15	15	300
2026	15	14	16	19	29	36	44	42	36	22	15	15	303
2027	16	14	16	19	30	36	45	43	37	22	15	15	307
2028	16	14	16	19	30	37	45	43	37	22	15	16	310
2029	16	14	16	20	30	37	46	44	38	22	15	16	313
2030	16	14	16	20	31	37	47	45	38	22	15	16	316
2031	16	14	16	20	31	39	48	46	39	23	15	16	322
2032	16	14	16	20	32	40	49	47	39	23	15	16	327
2033	16	14	16	20	32	41	50	48	40	23	15	16	332
2034	16	15	16	21	33	42	51	49	40	23	15	16	338
2035	16	15	16	21	33	44	52	50	41	23	16	16	343
2036	16	15	16	21	34	45	54	51	41	24	16	16	348
2037	16	15	16	21	35	46	55	52	42	24	16	16	354
2038	16	15	16	22	35	47	56	53	43	24	16	16	359
2039	16	15	16	22	36	49	57	54	43	24	16	16	365
2040	16	15	17	22	36	50	58	55	44	24	16	16	370
2041	17	15	17	24	40	59	65	62	46	25	16	16	402
2042	17	15	17	25	44	68	72	69	49	26	16	17	435
2043	17	15	17	26	48	78	80	76	52	27	16	17	470
2044	17	16	17	28	52	88	88	84	55	28	17	17	508
2045	18	16	18	30	56	99	97	92	58	29	17	17	547
2046	18	16	18	32	61	111	106	101	61	30	17	18	588
2047	18	16	18	33	66	123	116	110	65	32	17	18	632
2048	18	17	19	35	71	136	126	119	68	33	18	18	678
2049	19	17	19	38	77	150	136	129	72	34	18	18	727
2050	19	17	19	40	82	164	148	140	76	36	18	19	779
2051	19	17	19	40	84	168	151	143	78	36	18	19	794
2052	19	17	19	41	86	172	154	146	79	36	18	19	809
2053	19	18	20	42	88	176	158	149	80	37	19	19	824
2054	20	18	20	42	89	181	161	153	81	37	19	19	840
2055	20	18	20	43	91	185	164	156	83	38	19	19	856
2056	20	18	20	44	93	189	168	159	84	38	19	19	872
2057	20	18	20	45	95	194	171	163	85	39	19	20	888
2058	20	18	20	45	97	198	175	166	87	39	19	20	905
2059	20	18	20	46	98	203	179	169	88	40	19	20	922
2060	20	18	21	47	100	207	182	173	90	40	19	20	939
2061	21	19	21	48	104	217	190	180	93	41	20	20	974
2062	21	19	21	50	108	227	198	188	96	42	20	20	1,010
2063	21	19	21	52	113	237	206	195	99	43	20	21	1,047
2064	21	19	22	53	117	248	215	203	102	45	20	21	1,086
2065	22	20	22	55	121	259	223	212	105	46	21	21	1,126

GOSHEN

Explanation of Supply and Demand Tables – Goshen Town

Goshen Table 1: Springs. Reports dependable flow (in gpm) determined from Town Master Plan or conversations with Town personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Goshen Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Goshen Table 3: Strawberry Valley Project. The Strawberry Valley Project (SVP) volume is based on the current number of SVP shares within the Town's existing corporate boundary. As the Town is not serviced by canals providing SVP water, this table consists of all zeros.

Goshen Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Goshen Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the Town. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Goshen Table 6: Reuse. The Town currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the Town files and receives approval of reuse applications.

Goshen Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the Town will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Goshen Table 8: Spanish Fork River. No Spanish Fork river water is provided to the Town, therefore this table consists of all zeros.

Goshen Table 9: Irrigation Shares. No other sources owned by local irrigation companies including local streams, springs, and wells, are available to the Town, therefore this table consists of all zeros.

Goshen Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the Town to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Goshen, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Goshen Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the Town to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Goshen, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Goshen Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Goshen Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Goshen Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Goshen Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Goshen Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Goshen Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Goshen Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in

2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Goshen Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Goshen Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Goshen Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Goshen Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Goshen Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Goshen Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Goshen Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Goshen Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Goshen Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Goshen Table 1

Goshen													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	27	25	27	27	27	27	27	27	27	27	27	27	323
2017	27	25	27	27	27	27	27	27	27	27	27	27	323
2018	27	25	27	27	27	27	27	27	27	27	27	27	323
2019	27	25	27	27	27	27	27	27	27	27	27	27	323
2020	27	25	27	27	27	27	27	27	27	27	27	27	323
2021	27	25	27	27	27	27	27	27	27	27	27	27	323
2022	27	25	27	27	27	27	27	27	27	27	27	27	323
2023	27	25	27	27	27	27	27	27	27	27	27	27	323
2024	27	25	27	27	27	27	27	27	27	27	27	27	323
2025	27	25	27	27	27	27	27	27	27	27	27	27	323
2026	27	25	27	27	27	27	27	27	27	27	27	27	323
2027	27	25	27	27	27	27	27	27	27	27	27	27	323
2028	27	25	27	27	27	27	27	27	27	27	27	27	323
2029	27	25	27	27	27	27	27	27	27	27	27	27	323
2030	27	25	27	27	27	27	27	27	27	27	27	27	323
2031	27	25	27	27	27	27	27	27	27	27	27	27	323
2032	27	25	27	27	27	27	27	27	27	27	27	27	323
2033	27	25	27	27	27	27	27	27	27	27	27	27	323
2034	27	25	27	27	27	27	27	27	27	27	27	27	323
2035	27	25	27	27	27	27	27	27	27	27	27	27	323
2036	27	25	27	27	27	27	27	27	27	27	27	27	323
2037	27	25	27	27	27	27	27	27	27	27	27	27	323
2038	27	25	27	27	27	27	27	27	27	27	27	27	323
2039	27	25	27	27	27	27	27	27	27	27	27	27	323
2040	27	25	27	27	27	27	27	27	27	27	27	27	323
2041	27	25	27	27	27	27	27	27	27	27	27	27	323
2042	27	25	27	27	27	27	27	27	27	27	27	27	323
2043	27	25	27	27	27	27	27	27	27	27	27	27	323
2044	27	25	27	27	27	27	27	27	27	27	27	27	323
2045	27	25	27	27	27	27	27	27	27	27	27	27	323
2046	27	25	27	27	27	27	27	27	27	27	27	27	323
2047	27	25	27	27	27	27	27	27	27	27	27	27	323
2048	27	25	27	27	27	27	27	27	27	27	27	27	323
2049	27	25	27	27	27	27	27	27	27	27	27	27	323
2050	27	25	27	27	27	27	27	27	27	27	27	27	323
2051	27	25	27	27	27	27	27	27	27	27	27	27	323
2052	27	25	27	27	27	27	27	27	27	27	27	27	323
2053	27	25	27	27	27	27	27	27	27	27	27	27	323
2054	27	25	27	27	27	27	27	27	27	27	27	27	323
2055	27	25	27	27	27	27	27	27	27	27	27	27	323
2056	27	25	27	27	27	27	27	27	27	27	27	27	323
2057	27	25	27	27	27	27	27	27	27	27	27	27	323
2058	27	25	27	27	27	27	27	27	27	27	27	27	323
2059	27	25	27	27	27	27	27	27	27	27	27	27	323
2060	27	25	27	27	27	27	27	27	27	27	27	27	323
2061	27	25	27	27	27	27	27	27	27	27	27	27	323
2062	27	25	27	27	27	27	27	27	27	27	27	27	323
2063	27	25	27	27	27	27	27	27	27	27	27	27	323
2064	27	25	27	27	27	27	27	27	27	27	27	27	323
2065	27	25	27	27	27	27	27	27	27	27	27	27	323

Goshen Table 2

Goshen													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	15	47	74	98	92	70	20	0	0	416
2026	0	0	0	15	47	74	98	92	70	20	0	0	416
2027	0	0	0	15	47	74	98	92	70	20	0	0	416
2028	0	0	0	15	47	74	98	92	70	20	0	0	416
2029	0	0	0	15	47	74	98	92	70	20	0	0	416
2030	0	0	0	15	47	74	98	92	70	20	0	0	416
2031	0	0	0	15	47	74	98	92	70	20	0	0	416
2032	0	0	0	15	47	74	98	92	70	20	0	0	416
2033	0	0	0	15	47	74	98	92	70	20	0	0	416
2034	0	0	0	15	47	74	98	92	70	20	0	0	416
2035	0	0	0	15	47	74	98	92	70	20	0	0	416
2036	0	0	0	15	47	74	98	92	70	20	0	0	416
2037	0	0	0	15	47	74	98	92	70	20	0	0	416
2038	0	0	0	15	47	74	98	92	70	20	0	0	416
2039	0	0	0	15	47	74	98	92	70	20	0	0	416
2040	0	0	0	15	47	74	98	92	70	20	0	0	416
2041	0	0	0	15	47	74	98	92	70	20	0	0	416
2042	0	0	0	15	47	74	98	92	70	20	0	0	416
2043	0	0	0	15	47	74	98	92	70	20	0	0	416
2044	0	0	0	15	47	74	98	92	70	20	0	0	416
2045	0	0	0	15	47	74	98	92	70	20	0	0	416
2046	0	0	0	15	47	74	98	92	70	20	0	0	416
2047	0	0	0	15	47	74	98	92	70	20	0	0	416
2048	0	0	0	15	47	74	98	92	70	20	0	0	416
2049	0	0	0	15	47	74	98	92	70	20	0	0	416
2050	0	0	0	15	47	74	98	92	70	20	0	0	416
2051	0	0	0	15	47	74	98	92	70	20	0	0	416
2052	0	0	0	15	47	74	98	92	70	20	0	0	416
2053	0	0	0	15	47	74	98	92	70	20	0	0	416
2054	0	0	0	15	47	74	98	92	70	20	0	0	416
2055	0	0	0	15	47	74	98	92	70	20	0	0	416
2056	0	0	0	15	47	74	98	92	70	20	0	0	416
2057	0	0	0	15	47	74	98	92	70	20	0	0	416
2058	0	0	0	15	47	74	98	92	70	20	0	0	416
2059	0	0	0	15	47	74	98	92	70	20	0	0	416
2060	0	0	0	15	47	74	98	92	70	20	0	0	416
2061	0	0	0	15	47	74	98	92	70	20	0	0	416
2062	0	0	0	15	47	74	98	92	70	20	0	0	416
2063	0	0	0	15	47	74	98	92	70	20	0	0	416
2064	0	0	0	15	47	74	98	92	70	20	0	0	416
2065	0	0	0	15	47	74	98	92	70	20	0	0	416

Goshen Table 3

Goshen													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Goshen Table 4

Goshen													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Goshen Table 5

Goshen													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	7	7	8	7	9	10	10	10	9	7	7	7	97
2017	7	7	8	7	9	10	10	10	9	7	7	7	97
2018	7	7	8	7	9	10	10	10	9	7	7	7	97
2019	7	7	8	7	9	10	10	10	9	7	7	7	97
2020	7	7	8	7	9	10	10	10	9	7	7	7	97
2021	7	7	8	7	9	10	10	10	9	7	7	7	97
2022	7	7	8	7	9	10	10	10	9	7	7	7	97
2023	7	7	8	7	9	10	10	10	9	7	7	7	97
2024	7	7	8	7	9	10	10	10	9	7	7	7	97
2025	7	7	8	7	9	10	10	10	9	7	7	7	97
2026	7	7	8	7	9	10	10	10	9	7	7	7	97
2027	7	7	8	7	9	10	10	10	9	7	7	7	97
2028	7	7	8	7	9	10	10	10	9	7	7	7	97
2029	7	7	8	7	9	10	10	10	9	7	7	7	97
2030	7	7	8	7	9	10	10	10	9	7	7	7	97
2031	7	7	8	7	9	10	10	10	9	7	7	7	97
2032	7	7	8	7	9	10	10	10	9	7	7	7	97
2033	7	7	8	7	9	10	10	10	9	7	7	7	97
2034	7	7	8	7	9	10	10	10	9	7	7	7	97
2035	7	7	8	7	9	10	10	10	9	7	7	7	97
2036	7	7	8	7	9	10	10	10	9	7	7	7	97
2037	7	7	8	7	9	10	10	10	9	7	7	7	97
2038	7	7	8	7	9	10	10	10	9	7	7	7	97
2039	7	7	8	7	9	10	10	10	9	7	7	7	97
2040	7	7	8	7	9	10	10	10	9	7	7	7	97
2041	7	7	8	7	9	10	10	10	9	7	7	7	97
2042	7	7	8	7	9	10	10	10	9	7	7	7	97
2043	7	7	8	7	9	10	10	10	9	7	7	7	97
2044	7	7	8	7	9	10	10	10	9	7	7	7	97
2045	7	7	8	7	9	10	10	10	9	7	7	7	97
2046	7	7	8	7	9	10	10	10	9	7	7	7	97
2047	7	7	8	7	9	10	10	10	9	7	7	7	97
2048	7	7	8	7	9	10	10	10	9	7	7	7	97
2049	7	7	8	7	9	10	10	10	9	7	7	7	97
2050	7	7	8	7	9	10	10	10	9	7	7	7	97
2051	7	7	8	7	9	10	10	10	9	7	7	7	97
2052	7	7	8	7	9	10	10	10	9	7	7	7	97
2053	7	7	8	7	9	10	10	10	9	7	7	7	97
2054	7	7	8	7	9	10	10	10	9	7	7	7	97
2055	7	7	8	7	9	10	10	10	9	7	7	7	97
2056	7	7	8	7	9	10	10	10	9	7	7	7	97
2057	7	7	8	7	9	10	10	10	9	7	7	7	97
2058	7	7	8	7	9	10	10	10	9	7	7	7	97
2059	7	7	8	7	9	10	10	10	9	7	7	7	97
2060	7	7	8	7	9	10	10	10	9	7	7	7	97
2061	7	7	8	7	9	10	10	10	9	7	7	7	97
2062	7	7	8	7	9	10	10	10	9	7	7	7	97
2063	7	7	8	7	9	10	10	10	9	7	7	7	97
2064	7	7	8	7	9	10	10	10	9	7	7	7	97
2065	7	7	8	7	9	10	10	10	9	7	7	7	97

Goshen Table 6

Goshen													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Goshen Table 7

Goshen													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	2
2019	0	0	0	0	0	0	0	0	0	0	0	0	5
2020	1	0	1	1	1	1	1	1	1	1	1	1	7
2021	1	1	1	1	1	1	1	1	1	1	1	1	9
2022	1	1	1	1	1	1	1	1	1	1	1	1	11
2023	1	1	1	1	1	1	1	1	1	1	1	1	13
2024	1	1	1	1	1	2	2	2	1	1	1	1	16
2025	1	1	1	1	2	2	2	2	2	1	1	1	18
2026	2	1	2	1	2	2	2	2	2	2	1	1	20
2027	2	2	2	2	2	2	2	2	2	2	2	2	22
2028	2	2	2	2	2	2	3	2	2	2	2	2	24
2029	2	2	2	2	2	3	3	3	2	2	2	2	27
2030	2	2	2	2	3	3	3	3	3	2	2	2	29
2031	3	2	3	2	3	3	4	3	3	3	2	3	34
2032	3	3	3	3	4	4	4	4	3	3	3	3	40
2033	3	3	4	3	4	4	5	5	4	3	3	3	45
2034	4	4	4	4	5	5	5	5	4	4	4	4	51
2035	4	4	4	4	5	6	6	6	5	4	4	4	57
2036	5	4	5	5	6	6	7	6	6	5	5	5	63
2037	5	5	5	5	6	7	7	7	6	5	5	5	69
2038	6	5	6	6	7	8	8	8	7	6	5	6	76
2039	6	6	7	6	7	8	9	8	7	6	6	6	83
2040	7	6	7	7	8	9	9	9	8	7	6	7	90
2041	7	7	7	7	8	9	10	10	8	7	7	7	95
2042	8	7	8	7	9	10	10	10	9	8	7	7	100
2043	8	7	8	8	9	10	11	11	9	8	7	8	105
2044	8	8	9	8	10	11	12	11	10	8	8	8	110
2045	9	8	9	8	10	11	12	12	10	9	8	8	115
2046	9	8	10	9	11	12	13	12	11	9	9	9	120
2047	10	9	10	9	11	12	13	13	11	10	9	9	126
2048	10	9	10	10	12	13	14	13	12	10	9	10	131
2049	11	9	11	10	12	14	14	14	12	10	10	10	137
2050	11	10	11	10	13	14	15	14	13	11	10	10	143
2051	11	10	12	11	13	15	16	15	13	11	11	11	148
2052	12	11	12	11	14	15	16	15	13	12	11	11	153
2053	12	11	13	11	14	16	17	16	14	12	11	12	159
2054	13	11	13	12	15	16	17	17	14	13	12	12	164
2055	13	12	13	12	15	17	18	17	15	13	12	12	169
2056	13	12	14	13	16	17	18	18	15	13	13	13	175
2057	14	13	14	13	16	18	19	18	16	14	13	13	181
2058	14	13	15	14	17	18	20	19	16	14	13	14	187
2059	15	13	15	14	17	19	20	19	17	15	14	14	193
2060	15	14	16	14	18	20	21	20	17	15	14	14	199
2061	16	14	16	15	18	20	21	21	18	16	15	15	204
2062	16	14	16	15	18	20	21	21	18	16	15	15	204
2063	16	14	16	15	18	20	21	21	18	16	15	15	204
2064	16	14	16	15	18	20	21	21	18	16	15	15	204
1905	16	14	16	15	18	20	21	21	18	16	15	15	204

Goshen Table 8

Goshen													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Goshen Table 9

Goshen													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Goshen Table 10

Goshen													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	13	12	13	12	15	17	18	17	15	13	12	12	170
2018	13	12	14	13	15	17	18	18	15	13	12	13	174
2019	14	12	14	13	16	18	19	18	16	14	13	13	177
2020	14	13	14	13	16	18	19	18	16	14	13	13	180
2021	14	13	14	13	16	18	19	19	16	14	13	13	183
2022	14	13	15	14	17	18	20	19	16	14	13	14	186
2023	15	13	15	14	17	19	20	19	17	14	14	14	189
2024	15	13	15	14	17	19	20	19	17	15	14	14	192
2025	15	14	15	14	17	19	21	20	17	15	14	14	196
2026	15	14	16	14	18	20	21	20	17	15	14	14	199
2027	15	14	16	15	18	20	21	20	18	15	14	15	202
2028	16	14	16	15	18	20	22	21	18	16	15	15	205
2029	16	14	16	15	18	21	22	21	18	16	15	15	209
2030	16	15	17	15	19	21	22	21	19	16	15	15	212
2031	17	15	17	16	19	22	23	22	19	17	16	16	219
2032	17	16	18	16	20	22	24	23	20	17	16	17	227
2033	18	16	19	17	21	23	25	24	21	18	17	17	235
2034	19	17	19	18	22	24	26	25	21	19	17	18	243
2035	19	17	20	18	22	25	26	25	22	19	18	18	252
2036	20	18	21	19	23	26	27	26	23	20	19	19	260
2037	21	19	21	20	24	27	28	27	24	21	19	20	270
2038	21	19	22	20	25	28	29	28	25	21	20	20	279
2039	22	20	23	21	26	29	30	29	25	22	21	21	289
2040	23	21	24	22	26	30	31	30	26	23	21	22	299
2041	23	21	24	22	27	30	32	31	27	23	22	22	306
2042	24	22	25	23	28	31	33	32	27	24	22	23	313
2043	25	22	25	23	28	32	34	32	28	24	23	23	320
2044	25	23	26	24	29	32	34	33	29	25	23	24	327
2045	26	23	26	24	30	33	35	34	29	26	24	24	335
2046	26	24	27	25	30	34	36	35	30	26	24	25	342
2047	27	24	28	25	31	35	37	35	31	27	25	26	350
2048	27	25	28	26	32	35	38	36	31	27	26	26	358
2049	28	25	29	27	32	36	38	37	32	28	26	27	366
2050	29	26	30	27	33	37	39	38	33	29	27	27	375
2051	29	26	30	28	34	38	40	39	33	29	27	28	381
2052	30	27	31	28	34	38	41	39	34	30	28	28	387
2053	30	27	31	28	35	39	41	40	35	30	28	29	393
2054	31	28	32	29	35	39	42	40	35	31	29	29	399
2055	31	28	32	29	36	40	43	41	36	31	29	30	405
2056	32	29	33	30	36	41	43	42	36	31	29	30	412
2057	32	29	33	30	37	41	44	42	37	32	30	30	418
2058	33	29	34	31	38	42	45	43	37	32	30	31	425
2059	33	30	34	31	38	43	45	44	38	33	31	31	431
2060	34	30	35	32	39	43	46	44	39	34	31	32	438
2061	34	31	35	32	39	44	47	45	39	34	32	32	445
2062	35	31	36	33	40	45	47	46	40	35	32	33	452
2063	35	32	36	33	41	45	48	46	40	35	33	33	459
2064	36	32	37	34	41	46	49	47	41	36	33	34	467
2065	36	33	37	34	42	47	50	48	42	36	34	35	474

Goshen Table 11

Goshen													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	6	18	29	39	36	27	8	0	0	163
2018	0	0	0	6	19	30	39	37	28	8	0	0	167
2019	0	0	0	6	19	30	40	38	29	8	0	0	170
2020	0	0	0	6	20	31	41	38	29	9	0	0	174
2021	0	0	0	6	20	32	42	39	30	9	0	0	177
2022	0	0	0	7	20	32	43	40	30	9	0	0	181
2023	0	0	0	7	21	33	43	40	31	9	0	0	184
2024	0	0	0	7	21	33	44	41	31	9	0	0	187
2025	0	0	0	7	22	34	45	42	32	9	0	0	191
2026	0	0	0	7	22	35	46	43	33	10	0	0	194
2027	0	0	0	7	22	35	47	44	33	10	0	0	198
2028	0	0	0	7	23	36	48	44	34	10	0	0	201
2029	0	0	0	7	23	36	48	45	34	10	0	0	205
2030	0	0	0	8	24	37	49	46	35	10	0	0	209
2031	0	0	0	8	24	39	51	48	36	11	0	0	217
2032	0	0	0	8	25	40	53	49	38	11	0	0	225
2033	0	0	0	8	26	41	55	51	39	11	0	0	233
2034	0	0	0	9	27	43	57	53	41	12	0	0	242
2035	0	0	0	9	28	45	59	55	42	12	0	0	250
2036	0	0	0	9	29	46	61	57	44	13	0	0	260
2037	0	0	0	10	30	48	64	59	45	13	0	0	269
2038	0	0	0	10	32	50	66	61	47	14	0	0	279
2039	0	0	0	10	33	52	68	64	49	14	0	0	290
2040	0	0	0	11	34	53	71	66	50	15	0	0	300
2041	0	0	0	11	35	55	73	68	52	15	0	0	308
2042	0	0	0	11	36	56	74	69	53	15	0	0	316
2043	0	0	0	12	37	58	76	71	54	16	0	0	323
2044	0	0	0	12	37	59	78	73	56	16	0	0	331
2045	0	0	0	12	38	60	80	75	57	17	0	0	340
2046	0	0	0	13	39	62	82	77	58	17	0	0	348
2047	0	0	0	13	40	64	84	79	60	17	0	0	357
2048	0	0	0	13	41	65	86	80	61	18	0	0	366
2049	0	0	0	13	42	67	88	82	63	18	0	0	375
2050	0	0	0	14	43	68	91	85	65	19	0	0	384
2051	0	0	0	14	44	70	92	86	66	19	0	0	391
2052	0	0	0	14	45	71	94	88	67	19	0	0	398
2053	0	0	0	15	46	72	96	89	68	20	0	0	405
2054	0	0	0	15	47	73	97	91	69	20	0	0	412
2055	0	0	0	15	47	75	99	92	70	21	0	0	419
2056	0	0	0	15	48	76	101	94	72	21	0	0	427
2057	0	0	0	16	49	77	103	96	73	21	0	0	434
2058	0	0	0	16	50	79	104	97	74	22	0	0	442
2059	0	0	0	16	51	80	106	99	76	22	0	0	450
2060	0	0	0	16	52	82	108	101	77	22	0	0	458
2061	0	0	0	17	53	83	110	103	78	23	0	0	466
2062	0	0	0	17	54	84	112	104	80	23	0	0	474
2063	0	0	0	17	55	86	114	106	81	24	0	0	483
2064	0	0	0	18	56	87	116	108	83	24	0	0	491
1905	0	0	0	18	57	89	118	110	84	25	0	0	500

Goshen Table 12

Goshen													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	13	12	13	18	34	46	56	53	42	21	12	12	334
2018	13	12	14	19	34	47	58	54	43	21	12	13	340
2019	14	12	14	19	35	48	59	55	44	22	13	13	347
2020	14	13	14	19	36	49	60	57	45	22	13	13	355
2021	14	13	14	20	36	50	61	58	46	23	13	13	361
2022	14	13	15	20	37	51	62	59	47	23	13	14	367
2023	15	13	15	20	38	51	63	60	48	23	14	14	373
2024	15	13	15	21	38	52	64	61	48	24	14	14	380
2025	15	14	15	21	39	53	66	62	49	24	14	14	386
2026	15	14	16	21	40	54	67	63	50	25	14	14	393
2027	15	14	16	22	40	55	68	64	51	25	14	15	400
2028	16	14	16	22	41	56	69	65	52	26	15	15	407
2029	16	14	16	23	42	57	70	66	53	26	15	15	414
2030	16	15	17	23	42	58	72	67	54	26	15	15	421
2031	17	15	17	24	44	60	74	70	56	27	16	16	436
2032	17	16	18	25	45	62	77	72	58	28	16	17	452
2033	18	16	19	25	47	65	80	75	60	29	17	17	468
2034	19	17	19	26	49	67	83	78	62	30	17	18	485
2035	19	17	20	27	51	69	86	81	64	32	18	18	502
2036	20	18	21	28	52	72	89	83	67	33	19	19	520
2037	21	19	21	29	54	75	92	87	69	34	19	20	539
2038	21	19	22	30	56	77	95	90	71	35	20	20	558
2039	22	20	23	31	58	80	99	93	74	36	21	21	578
2040	23	21	24	32	60	83	102	96	77	38	21	22	599
2041	23	21	24	33	62	85	105	99	79	38	22	22	614
2042	24	22	25	34	63	87	107	101	81	39	22	23	628
2043	25	22	25	35	65	89	110	104	82	40	23	23	643
2044	25	23	26	36	66	91	113	106	84	41	23	24	659
2045	26	23	26	37	68	94	115	109	86	42	24	24	674
2046	26	24	27	37	70	96	118	111	89	43	24	25	690
2047	27	24	28	38	71	98	121	114	91	44	25	26	707
2048	27	25	28	39	73	101	124	117	93	45	26	26	724
2049	28	25	29	40	75	103	127	120	95	46	26	27	741
2050	29	26	30	41	77	105	130	122	97	47	27	27	759
2051	29	26	30	42	78	107	132	125	99	48	27	28	772
2052	30	27	31	42	79	109	134	127	101	49	28	28	784
2053	30	27	31	43	81	111	137	129	103	50	28	29	798
2054	31	28	32	44	82	113	139	131	104	51	29	29	811
2055	31	28	32	44	83	115	142	133	106	52	29	30	825
2056	32	29	33	45	85	117	144	136	108	52	29	30	838
2057	32	29	33	46	86	119	146	138	110	53	30	30	853
2058	33	29	34	47	88	121	149	140	112	54	30	31	867
2059	33	30	34	47	89	123	151	143	114	55	31	31	881
2060	34	30	35	48	91	125	154	145	115	56	31	32	896
2061	34	31	35	49	92	127	157	148	117	57	32	32	911
2062	35	31	36	50	94	129	159	150	119	58	32	33	926
2063	35	32	36	51	95	131	162	153	121	59	33	33	942
2064	36	32	37	52	97	134	165	155	124	60	33	34	958
1905	36	33	37	52	98	136	168	158	126	61	34	35	974

Goshen Table 13

Goshen													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	12	14	16	17	16	14	12	12	12	161
2018	13	11	13	12	15	16	17	17	14	13	12	12	164
2019	13	12	13	12	15	17	18	17	15	13	12	12	167
2020	13	12	13	12	15	17	18	17	15	13	12	12	170
2021	13	12	14	12	15	17	18	17	15	13	12	13	172
2022	13	12	14	13	15	17	18	18	15	13	12	13	175
2023	14	12	14	13	16	18	19	18	16	14	13	13	177
2024	14	12	14	13	16	18	19	18	16	14	13	13	180
2025	14	13	14	13	16	18	19	18	16	14	13	13	183
2026	14	13	15	13	16	18	19	19	16	14	13	14	185
2027	14	13	15	14	17	19	20	19	17	14	13	14	188
2028	15	13	15	14	17	19	20	19	17	15	14	14	191
2029	15	13	15	14	17	19	20	20	17	15	14	14	194
2030	15	14	16	14	17	19	21	20	17	15	14	14	197
2031	16	14	16	15	18	20	21	21	18	16	15	15	203
2032	16	15	17	15	19	21	22	21	18	16	15	15	210
2033	17	15	17	16	19	21	23	22	19	17	15	16	216
2034	17	15	18	16	20	22	23	23	20	17	16	16	223
2035	18	16	18	17	20	23	24	23	20	18	16	17	231
2036	18	17	19	17	21	24	25	24	21	18	17	17	238
2037	19	17	19	18	22	24	26	25	22	19	18	18	246
2038	19	18	20	18	23	25	27	26	22	19	18	19	254
2039	20	18	21	19	23	26	28	27	23	20	19	19	263
2040	21	19	21	20	24	27	28	27	24	21	19	20	271
2041	21	19	22	20	25	27	29	28	24	21	20	20	277
2042	22	20	22	21	25	28	30	29	25	22	20	21	283
2043	22	20	23	21	26	29	30	29	25	22	21	21	289
2044	23	20	23	21	26	29	31	30	26	23	21	22	295
2045	23	21	24	22	27	30	32	31	27	23	22	22	302
2046	24	21	24	22	27	31	32	31	27	24	22	22	308
2047	24	22	25	23	28	31	33	32	28	24	23	23	315
2048	25	22	25	23	29	32	34	33	28	25	23	23	322
2049	25	23	26	24	29	33	35	33	29	25	24	24	329
2050	26	23	27	24	30	33	35	34	30	26	24	25	336
2051	26	24	27	25	30	34	36	35	30	26	24	25	341
2052	27	24	27	25	31	34	36	35	30	26	25	25	346
2053	27	24	28	26	31	35	37	36	31	27	25	26	352
2054	27	25	28	26	32	35	37	36	31	27	26	26	357
2055	28	25	29	26	32	36	38	37	32	28	26	26	362
2056	28	25	29	27	33	36	39	37	32	28	26	27	368
2057	29	26	30	27	33	37	39	38	33	29	27	27	373
2058	29	26	30	27	34	38	40	38	33	29	27	28	379
2059	30	27	30	28	34	38	40	39	34	29	28	28	385
2060	30	27	31	28	35	39	41	40	34	30	28	28	391
2061	30	27	31	29	35	39	42	40	35	30	28	29	397
2062	31	28	32	29	36	40	42	41	35	31	29	29	403
2063	31	28	32	30	36	40	43	41	36	31	29	30	409
2064	32	29	33	30	37	41	44	42	36	32	30	30	415
2065	32	29	33	31	37	42	44	43	37	32	30	31	421

Goshen Table 14

Goshen													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	6	18	29	39	36	27	8	0	0	163
2018	0	0	0	6	19	30	39	37	28	8	0	0	167
2019	0	0	0	6	19	30	40	37	29	8	0	0	170
2020	0	0	0	6	20	31	41	38	29	9	0	0	174
2021	0	0	0	6	20	31	42	39	30	9	0	0	177
2022	0	0	0	6	20	32	42	40	30	9	0	0	180
2023	0	0	0	7	21	33	43	40	31	9	0	0	183
2024	0	0	0	7	21	33	44	41	31	9	0	0	186
2025	0	0	0	7	21	34	45	42	32	9	0	0	190
2026	0	0	0	7	22	34	46	42	32	9	0	0	193
2027	0	0	0	7	22	35	46	43	33	10	0	0	196
2028	0	0	0	7	23	36	47	44	34	10	0	0	200
2029	0	0	0	7	23	36	48	45	34	10	0	0	203
2030	0	0	0	7	23	37	49	46	35	10	0	0	207
2031	0	0	0	8	24	38	51	47	36	11	0	0	214
2032	0	0	0	8	25	40	52	49	37	11	0	0	222
2033	0	0	0	8	26	41	54	51	39	11	0	0	230
2034	0	0	0	9	27	42	56	52	40	12	0	0	238
2035	0	0	0	9	28	44	58	54	41	12	0	0	247
2036	0	0	0	9	29	46	60	56	43	13	0	0	256
2037	0	0	0	10	30	47	63	58	45	13	0	0	265
2038	0	0	0	10	31	49	65	60	46	13	0	0	274
2039	0	0	0	10	32	51	67	63	48	14	0	0	284
2040	0	0	0	11	33	52	70	65	49	14	0	0	295
2041	0	0	0	11	34	54	71	66	51	15	0	0	302
2042	0	0	0	11	35	55	73	68	52	15	0	0	309
2043	0	0	0	11	36	56	75	70	53	16	0	0	317
2044	0	0	0	12	37	58	77	71	54	16	0	0	324
2045	0	0	0	12	38	59	78	73	56	16	0	0	332
2046	0	0	0	12	38	61	80	75	57	17	0	0	340
2047	0	0	0	13	39	62	82	77	59	17	0	0	349
2048	0	0	0	13	40	64	84	79	60	17	0	0	357
2049	0	0	0	13	41	65	86	80	61	18	0	0	366
2050	0	0	0	13	42	67	88	82	63	18	0	0	375
2051	0	0	0	14	43	68	90	84	64	19	0	0	381
2052	0	0	0	14	44	69	92	85	65	19	0	0	388
2053	0	0	0	14	45	70	93	87	66	19	0	0	395
2054	0	0	0	14	45	71	95	88	67	20	0	0	402
2055	0	0	0	15	46	73	96	90	69	20	0	0	409
2056	0	0	0	15	47	74	98	91	70	20	0	0	416
2057	0	0	0	15	48	75	100	93	71	21	0	0	423
2058	0	0	0	15	49	77	102	95	72	21	0	0	430
2059	0	0	0	16	49	78	103	96	74	21	0	0	438
2060	0	0	0	16	50	79	105	98	75	22	0	0	445
2061	0	0	0	16	51	81	107	100	76	22	0	0	453
2062	0	0	0	17	52	82	109	101	77	23	0	0	461
2063	0	0	0	17	53	84	111	103	79	23	0	0	469
2064	0	0	0	17	54	85	113	105	80	23	0	0	477
1905	0	0	0	17	55	86	115	107	82	24	0	0	486

Goshen Table 15

Goshen													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	18	33	45	55	52	42	20	12	12	324
2018	13	11	13	18	33	46	57	53	42	21	12	12	331
2019	13	12	13	18	34	47	58	54	43	21	12	12	337
2020	13	12	13	19	35	48	59	55	44	21	12	12	343
2021	13	12	14	19	35	49	60	56	45	22	12	13	349
2022	13	12	14	19	36	49	61	57	46	22	12	13	355
2023	14	12	14	19	36	50	62	58	46	23	13	13	360
2024	14	12	14	20	37	51	63	59	47	23	13	13	366
2025	14	13	14	20	38	52	64	60	48	23	13	13	372
2026	14	13	15	20	38	53	65	61	49	24	13	14	378
2027	14	13	15	21	39	54	66	62	50	24	13	14	384
2028	15	13	15	21	39	54	67	63	50	24	14	14	391
2029	15	13	15	21	40	55	68	64	51	25	14	14	397
2030	15	14	16	22	41	56	69	65	52	25	14	14	404
2031	16	14	16	22	42	58	72	68	54	26	15	15	417
2032	16	15	17	23	44	60	74	70	56	27	15	15	432
2033	17	15	17	24	45	62	77	72	58	28	15	16	446
2034	17	15	18	25	47	65	80	75	60	29	16	16	462
2035	18	16	18	26	48	67	82	78	62	30	16	17	478
2036	18	17	19	26	50	69	85	80	64	31	17	17	494
2037	19	17	19	27	52	72	88	83	66	32	18	18	511
2038	19	18	20	28	54	74	91	86	68	33	18	19	529
2039	20	18	21	29	55	77	95	89	71	34	19	19	547
2040	21	19	21	30	57	79	98	92	73	35	19	20	566
2041	21	19	22	31	59	81	100	94	75	36	20	20	579
2042	22	20	22	32	60	83	103	97	77	37	20	21	592
2043	22	20	23	32	61	85	105	99	79	38	21	21	606
2044	23	20	23	33	63	87	108	101	80	38	21	22	620
2045	23	21	24	34	64	89	110	104	82	39	22	22	634
2046	24	21	24	35	66	91	113	106	84	40	22	22	649
2047	24	22	25	35	67	93	115	109	86	41	23	23	664
2048	25	22	25	36	69	95	118	111	88	42	23	23	679
2049	25	23	26	37	70	98	121	114	90	43	24	24	695
2050	26	23	27	38	72	100	124	116	93	44	24	25	711
2051	26	24	27	38	73	102	126	118	94	45	24	25	723
2052	27	24	27	39	75	103	128	120	96	46	25	25	734
2053	27	24	28	40	76	105	130	122	97	46	25	26	746
2054	27	25	28	40	77	107	132	124	99	47	26	26	759
2055	28	25	29	41	78	109	134	127	100	48	26	26	771
2056	28	25	29	42	80	110	137	129	102	49	26	27	784
2057	29	26	30	42	81	112	139	131	104	49	27	27	796
2058	29	26	30	43	82	114	141	133	106	50	27	28	809
2059	30	27	30	44	84	116	144	135	107	51	28	28	823
2060	30	27	31	44	85	118	146	138	109	52	28	28	836
2061	30	27	31	45	86	120	149	140	111	53	28	29	850
2062	31	28	32	46	88	122	151	142	113	53	29	29	864
2063	31	28	32	47	89	124	154	145	115	54	29	30	878
2064	32	29	33	47	91	126	156	147	117	55	30	30	892
1905	32	29	33	48	92	128	159	149	119	56	30	31	907

Goshen Table 16

Goshen													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	12	14	16	17	16	14	12	12	12	161
2018	13	11	13	12	14	16	17	17	14	12	12	12	163
2019	13	11	13	12	15	16	17	17	15	13	12	12	166
2020	13	12	13	12	15	17	18	17	15	13	12	12	168
2021	13	12	13	12	15	17	18	17	15	13	12	12	170
2022	13	12	14	12	15	17	18	17	15	13	12	13	172
2023	13	12	14	13	15	17	18	18	15	13	12	13	174
2024	13	12	14	13	16	17	18	18	15	13	13	13	175
2025	14	12	14	13	16	18	19	18	16	14	13	13	177
2026	14	12	14	13	16	18	19	18	16	14	13	13	179
2027	14	13	14	13	16	18	19	18	16	14	13	13	181
2028	14	13	14	13	16	18	19	19	16	14	13	13	183
2029	14	13	15	13	16	18	19	19	16	14	13	13	185
2030	14	13	15	14	17	19	20	19	16	14	13	14	187
2031	15	13	15	14	17	19	20	19	17	15	14	14	193
2032	15	14	16	14	18	20	21	20	17	15	14	14	198
2033	16	14	16	15	18	20	21	21	18	16	15	15	204
2034	16	15	17	15	19	21	22	21	18	16	15	15	210
2035	17	15	17	16	19	21	23	22	19	17	15	16	217
2036	17	15	18	16	20	22	23	23	20	17	16	16	223
2037	18	16	18	17	20	23	24	23	20	18	16	17	230
2038	18	16	19	17	21	23	25	24	21	18	17	17	237
2039	19	17	19	18	22	24	26	25	21	19	17	18	244
2040	19	17	20	18	22	25	26	25	22	19	18	18	252
2041	20	18	20	19	23	25	27	26	23	20	18	19	257
2042	20	18	21	19	23	26	28	26	23	20	19	19	262
2043	21	19	21	19	24	26	28	27	24	20	19	19	267
2044	21	19	22	20	24	27	29	28	24	21	19	20	273
2045	21	19	22	20	25	28	29	28	24	21	20	20	278
2046	22	20	22	21	25	28	30	29	25	22	20	21	284
2047	22	20	23	21	26	29	30	29	25	22	21	21	290
2048	23	21	23	21	26	29	31	30	26	23	21	22	296
2049	23	21	24	22	27	30	32	31	27	23	22	22	302
2050	24	21	24	22	27	31	32	31	27	24	22	22	308
2051	24	22	25	23	28	31	33	32	27	24	22	23	313
2052	24	22	25	23	28	31	33	32	28	24	23	23	317
2053	25	22	25	23	28	32	34	33	28	25	23	23	321
2054	25	23	26	24	29	32	34	33	29	25	23	24	326
2055	25	23	26	24	29	33	35	33	29	25	24	24	330
2056	26	23	26	24	30	33	35	34	29	26	24	24	335
2057	26	24	27	25	30	34	36	34	30	26	24	25	340
2058	26	24	27	25	31	34	36	35	30	26	25	25	345
2059	27	24	28	25	31	35	37	35	31	27	25	25	349
2060	27	25	28	26	31	35	37	36	31	27	25	26	354
2061	28	25	28	26	32	36	38	36	32	27	26	26	359
2062	28	25	29	26	32	36	38	37	32	28	26	27	364
2063	28	26	29	27	33	37	39	37	32	28	26	27	369
2064	29	26	30	27	33	37	39	38	33	29	27	27	374
2065	29	26	30	28	34	38	40	38	33	29	27	28	379

Goshen Table 17

Goshen													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	6	18	29	39	36	27	8	0	0	163
2018	0	0	0	6	19	29	39	36	28	8	0	0	165
2019	0	0	0	6	19	30	39	37	28	8	0	0	166
2020	0	0	0	6	19	30	40	37	28	8	0	0	168
2021	0	0	0	6	19	30	40	37	28	8	0	0	168
2022	0	0	0	6	19	30	40	37	28	8	0	0	168
2023	0	0	0	6	19	30	40	37	28	8	0	0	168
2024	0	0	0	6	19	30	40	37	28	8	0	0	168
2025	0	0	0	6	19	30	40	37	28	8	0	0	168
2026	0	0	0	6	19	30	40	37	28	8	0	0	168
2027	0	0	0	6	19	30	40	37	28	8	0	0	168
2028	0	0	0	6	19	30	40	37	28	8	0	0	168
2029	0	0	0	6	19	30	40	37	28	8	0	0	168
2030	0	0	0	6	19	30	40	37	28	8	0	0	168
2031	0	0	0	6	20	31	41	38	29	8	0	0	173
2032	0	0	0	6	20	32	42	39	30	9	0	0	177
2033	0	0	0	7	21	32	43	40	30	9	0	0	181
2034	0	0	0	7	21	33	44	41	31	9	0	0	186
2035	0	0	0	7	22	34	45	42	32	9	0	0	191
2036	0	0	0	7	22	35	46	43	33	10	0	0	196
2037	0	0	0	7	23	36	47	44	34	10	0	0	200
2038	0	0	0	7	23	37	49	45	35	10	0	0	206
2039	0	0	0	8	24	38	50	46	35	10	0	0	211
2040	0	0	0	8	24	38	51	48	36	11	0	0	216
2041	0	0	0	8	25	39	52	48	37	11	0	0	220
2042	0	0	0	8	25	40	53	49	38	11	0	0	225
2043	0	0	0	8	26	41	54	50	39	11	0	0	229
2044	0	0	0	8	26	42	55	51	39	11	0	0	234
2045	0	0	0	9	27	42	56	52	40	12	0	0	239
2046	0	0	0	9	27	43	57	54	41	12	0	0	243
2047	0	0	0	9	28	44	59	55	42	12	0	0	248
2048	0	0	0	9	29	45	60	56	43	12	0	0	253
2049	0	0	0	9	29	46	61	57	43	13	0	0	258
2050	0	0	0	9	30	47	62	58	44	13	0	0	263
2051	0	0	0	10	30	48	63	59	45	13	0	0	267
2052	0	0	0	10	31	48	64	59	45	13	0	0	270
2053	0	0	0	10	31	49	65	60	46	13	0	0	274
2054	0	0	0	10	31	49	66	61	47	14	0	0	278
2055	0	0	0	10	32	50	66	62	47	14	0	0	281
2056	0	0	0	10	32	51	67	63	48	14	0	0	285
2057	0	0	0	10	33	51	68	64	48	14	0	0	289
2058	0	0	0	11	33	52	69	64	49	14	0	0	292
2059	0	0	0	11	33	53	70	65	50	15	0	0	296
2060	0	0	0	11	34	53	71	66	50	15	0	0	300
2061	0	0	0	11	34	54	72	67	51	15	0	0	304
2062	0	0	0	11	35	55	73	68	52	15	0	0	307
2063	0	0	0	11	35	55	73	68	52	15	0	0	311
2064	0	0	0	11	36	56	74	69	53	15	0	0	315
1905	0	0	0	11	36	57	75	70	54	16	0	0	319

Goshen Table 18

Goshen													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	13	18	33	45	55	52	42	20	12	12	324
2018	13	11	13	18	33	46	56	53	42	21	12	12	328
2019	13	11	13	18	33	46	57	53	43	21	12	12	332
2020	13	12	13	18	34	47	57	54	43	21	12	12	336
2021	13	12	13	18	34	47	57	54	43	21	12	12	338
2022	13	12	14	19	34	47	58	54	43	21	12	13	340
2023	13	12	14	19	34	47	58	55	44	22	12	13	342
2024	13	12	14	19	35	47	58	55	44	22	13	13	344
2025	14	12	14	19	35	47	58	55	44	22	13	13	346
2026	14	12	14	19	35	48	59	55	44	22	13	13	348
2027	14	13	14	19	35	48	59	55	44	22	13	13	349
2028	14	13	14	19	35	48	59	56	44	22	13	13	351
2029	14	13	15	19	35	48	59	56	45	22	13	13	354
2030	14	13	15	20	36	49	59	56	45	23	13	14	356
2031	15	13	15	20	37	50	61	57	46	23	14	14	365
2032	15	14	16	21	38	51	63	59	47	24	14	14	375
2033	16	14	16	21	39	53	64	61	48	25	15	15	386
2034	16	15	17	22	40	54	66	62	50	25	15	15	396
2035	17	15	17	23	41	55	68	64	51	26	15	16	407
2036	17	15	18	23	42	57	70	66	52	27	16	16	419
2037	18	16	18	24	43	58	71	67	54	27	16	17	430
2038	18	16	19	25	44	60	73	69	55	28	17	17	442
2039	19	17	19	25	45	62	75	71	57	29	17	18	455
2040	19	17	20	26	47	63	77	73	58	30	18	18	468
2041	20	18	20	27	48	65	79	74	60	30	18	19	477
2042	20	18	21	27	49	66	81	76	61	31	19	19	487
2043	21	19	21	28	50	67	82	77	62	32	19	19	497
2044	21	19	22	28	51	69	84	79	63	32	19	20	507
2045	21	19	22	29	52	70	86	81	65	33	20	20	517
2046	22	20	22	29	53	71	87	82	66	34	20	21	527
2047	22	20	23	30	54	73	89	84	67	34	21	21	538
2048	23	21	23	31	55	74	91	86	69	35	21	22	549
2049	23	21	24	31	56	76	93	87	70	36	22	22	560
2050	24	21	24	32	57	77	95	89	71	36	22	22	572
2051	24	22	25	32	58	78	96	90	72	37	22	23	580
2052	24	22	25	33	59	80	97	92	73	37	23	23	587
2053	25	22	25	33	59	81	98	93	74	38	23	23	595
2054	25	23	26	34	60	82	100	94	75	39	23	24	603
2055	25	23	26	34	61	83	101	95	76	39	24	24	612
2056	26	23	26	35	62	84	102	97	77	40	24	24	620
2057	26	24	27	35	63	85	104	98	78	40	24	25	628
2058	26	24	27	36	64	86	105	99	79	41	25	25	637
2059	27	24	28	36	64	87	107	101	80	41	25	25	646
2060	27	25	28	37	65	88	108	102	82	42	25	26	654
2061	28	25	28	37	66	90	109	103	83	42	26	26	663
2062	28	25	29	37	67	91	111	104	84	43	26	27	672
2063	28	26	29	38	68	92	112	106	85	43	26	27	680
2064	29	26	30	38	69	93	114	107	86	44	27	27	689
1905	29	26	30	39	70	94	115	109	87	45	27	28	698

Goshen Table 19

Goshen													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	35	31	35	34	36	36	38	37	35	35	33	34	419
2017	22	20	22	21	21	19	20	20	20	22	21	22	249
2018	22	20	22	21	21	19	20	20	20	22	21	22	248
2019	22	20	21	21	21	19	19	20	20	22	21	22	247
2020	22	19	21	21	21	19	19	20	20	22	21	22	246
2021	21	19	21	21	21	19	19	20	20	21	21	22	245
2022	21	19	21	21	20	19	19	19	20	21	21	22	244
2023	21	19	21	21	20	19	19	19	20	21	21	22	243
2024	21	19	21	21	20	19	19	19	19	21	21	22	242
2025	21	19	21	21	20	18	19	19	19	21	21	21	241
2026	21	19	21	21	20	18	19	19	19	21	21	21	240
2027	21	19	21	20	20	18	19	19	19	21	21	21	239
2028	21	19	21	20	20	18	19	19	19	21	21	21	239
2029	21	19	21	20	20	18	18	19	19	21	20	21	238
2030	21	19	21	20	20	18	18	19	19	21	20	21	236
2031	21	19	20	20	20	18	18	18	19	21	20	21	234
2032	20	18	20	20	19	18	18	18	19	20	20	21	232
2033	20	18	20	20	19	17	18	18	18	20	20	21	230
2034	20	18	20	20	19	17	17	18	18	20	20	20	227
2035	20	18	20	19	19	17	17	17	18	20	20	20	225
2036	20	18	19	19	18	17	17	17	18	20	19	20	222
2037	19	18	19	19	18	16	17	17	17	19	19	20	219
2038	19	17	19	19	18	16	16	17	17	19	19	20	216
2039	19	17	19	19	18	16	16	16	17	19	19	19	213
2040	19	17	19	18	17	15	16	16	17	19	18	19	210
2041	19	17	18	18	17	15	15	16	16	19	18	19	208
2042	18	17	18	18	17	15	15	16	16	18	18	19	206
2043	18	17	18	18	17	15	15	15	16	18	18	19	204
2044	18	16	18	18	17	15	15	15	16	18	18	19	202
2045	18	16	18	18	17	14	14	15	16	18	18	18	200
2046	18	16	17	17	16	14	14	15	15	18	18	18	197
2047	18	16	17	17	16	14	14	14	15	18	17	18	195
2048	17	16	17	17	16	14	14	14	15	17	17	18	192
2049	17	16	17	17	16	13	13	14	15	17	17	18	190
2050	17	15	17	17	15	13	13	14	15	17	17	18	187
2051	17	15	17	17	15	13	13	14	15	17	17	17	187
2052	17	15	17	17	15	13	13	14	14	17	17	17	186
2053	17	15	17	17	15	13	13	13	14	17	17	17	185
2054	17	15	16	16	15	13	13	13	14	17	17	17	184
2055	17	15	16	16	15	13	13	13	14	17	17	17	184
2056	17	15	16	16	15	13	13	13	14	17	17	17	183
2057	17	15	16	16	15	13	13	13	14	17	16	17	182
2058	17	15	16	16	15	13	13	13	14	17	16	17	181
2059	17	15	16	16	15	12	12	13	14	17	16	17	181
2060	16	15	16	16	15	12	12	13	14	16	16	17	180
2061	16	15	16	16	15	12	12	13	14	16	16	17	178
2062	16	14	15	16	14	12	11	12	13	16	16	16	171
2063	15	14	15	15	13	11	11	11	13	15	15	16	164
2064	15	13	14	14	13	10	10	11	12	15	15	15	157
2065	14	13	14	14	12	9	9	10	11	14	14	15	149

Goshen Table 20

Goshen													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-6	-18	-29	-39	-36	-27	-8	0	0	-163
2018	0	0	0	-6	-19	-30	-39	-37	-28	-8	0	0	-167
2019	0	0	0	-6	-19	-30	-40	-38	-29	-8	0	0	-170
2020	0	0	0	-6	-20	-31	-41	-38	-29	-9	0	0	-174
2021	0	0	0	-6	-20	-32	-42	-39	-30	-9	0	0	-177
2022	0	0	0	-7	-20	-32	-43	-40	-30	-9	0	0	-181
2023	0	0	0	-7	-21	-33	-43	-40	-31	-9	0	0	-184
2024	0	0	0	-7	-21	-33	-44	-41	-31	-9	0	0	-187
2025	0	0	0	8	25	40	53	50	38	11	0	0	225
2026	0	0	0	8	25	39	52	49	37	11	0	0	222
2027	0	0	0	8	25	39	52	48	37	11	0	0	218
2028	0	0	0	8	24	38	51	47	36	11	0	0	215
2029	0	0	0	8	24	38	50	46	35	10	0	0	211
2030	0	0	0	7	23	37	49	46	35	10	0	0	207
2031	0	0	0	7	23	36	47	44	34	10	0	0	199
2032	0	0	0	7	22	34	45	42	32	9	0	0	191
2033	0	0	0	7	21	33	43	40	31	9	0	0	183
2034	0	0	0	6	20	31	41	38	29	9	0	0	174
2035	0	0	0	6	19	29	39	36	28	8	0	0	166
2036	0	0	0	6	18	28	37	34	26	8	0	0	156
2037	0	0	0	5	17	26	35	32	25	7	0	0	147
2038	0	0	0	5	15	24	32	30	23	7	0	0	137
2039	0	0	0	5	14	22	30	28	21	6	0	0	126
2040	0	0	0	4	13	21	27	25	19	6	0	0	116
2041	0	0	0	4	12	19	26	24	18	5	0	0	108
2042	0	0	0	4	11	18	24	22	17	5	0	0	100
2043	0	0	0	3	10	16	22	20	16	5	0	0	93
2044	0	0	0	3	10	15	20	19	14	4	0	0	85
2045	0	0	0	3	9	14	18	17	13	4	0	0	76
2046	0	0	0	2	8	12	16	15	11	3	0	0	68
2047	0	0	0	2	7	11	14	13	10	3	0	0	59
2048	0	0	0	2	6	9	12	11	8	2	0	0	50
2049	0	0	0	1	5	7	10	9	7	2	0	0	41
2050	0	0	0	1	4	6	8	7	5	2	0	0	32
2051	0	0	0	1	3	4	6	6	4	1	0	0	25
2052	0	0	0	1	2	3	4	4	3	1	0	0	18
2053	0	0	0	0	1	2	3	2	2	1	0	0	11
2054	0	0	0	0	0	1	1	1	1	0	0	0	4
2055	0	0	0	0	0	-1	-1	-1	-1	0	0	0	-3
2056	0	0	0	0	-1	-2	-3	-2	-2	-1	0	0	-11
2057	0	0	0	-1	-2	-3	-4	-4	-3	-1	0	0	-18
2058	0	0	0	-1	-3	-5	-6	-6	-4	-1	0	0	-26
2059	0	0	0	-1	-4	-6	-8	-7	-6	-2	0	0	-34
2060	0	0	0	-2	-5	-7	-10	-9	-7	-2	0	0	-42
2061	0	0	0	-2	-6	-9	-12	-11	-8	-2	0	0	-50
2062	0	0	0	-2	-7	-10	-14	-13	-10	-3	0	0	-58
2063	0	0	0	-2	-8	-12	-16	-15	-11	-3	0	0	-67
2064	0	0	0	-3	-9	-13	-18	-17	-13	-4	0	0	-75
2065	0	0	0	-3	-9	-15	-20	-18	-14	-4	0	0	-84

Goshen Table 21

Goshen													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	35	31	35	34	36	36	38	37	35	35	33	34	419
2017	22	20	22	15	2	-10	-19	-16	-7	14	21	22	86
2018	22	20	22	15	2	-11	-20	-17	-8	14	21	22	81
2019	22	20	21	15	1	-11	-21	-18	-9	13	21	22	77
2020	22	19	21	15	1	-12	-22	-19	-9	13	21	22	72
2021	21	19	21	15	0	-13	-23	-19	-10	13	21	22	68
2022	21	19	21	14	0	-13	-23	-20	-11	13	21	22	64
2023	21	19	21	14	0	-14	-24	-21	-11	12	21	22	59
2024	21	19	21	14	-1	-15	-25	-22	-12	12	21	22	55
2025	21	19	21	29	46	59	72	69	57	32	21	21	467
2026	21	19	21	29	45	58	71	68	57	32	21	21	462
2027	21	19	21	28	45	57	70	67	56	32	21	21	458
2028	21	19	21	28	44	56	69	66	55	31	21	21	453
2029	21	19	21	28	44	56	68	65	54	31	20	21	448
2030	21	19	21	28	43	55	67	64	54	31	20	21	444
2031	21	19	20	27	42	53	65	62	52	30	20	21	434
2032	20	18	20	27	41	52	63	60	51	30	20	21	423
2033	20	18	20	26	40	50	61	58	49	29	20	21	413
2034	20	18	20	26	39	48	59	56	47	29	20	20	402
2035	20	18	20	25	37	46	56	54	46	28	20	20	390
2036	20	18	19	25	36	44	54	52	44	27	19	20	378
2037	19	18	19	24	35	42	51	49	42	27	19	20	366
2038	19	17	19	24	33	40	48	47	40	26	19	20	353
2039	19	17	19	23	32	38	46	44	38	25	19	19	340
2040	19	17	19	23	31	36	43	41	36	24	18	19	326
2041	19	17	18	22	29	34	41	40	35	24	18	19	316
2042	18	17	18	22	28	33	39	38	33	23	18	19	307
2043	18	17	18	21	27	31	37	36	32	23	18	19	297
2044	18	16	18	21	26	30	35	34	30	22	18	19	286
2045	18	16	18	20	25	28	32	32	29	22	18	18	276
2046	18	16	17	20	24	26	30	30	27	21	18	18	265
2047	18	16	17	19	23	24	28	27	25	21	17	18	254
2048	17	16	17	19	22	23	26	25	24	20	17	18	243
2049	17	16	17	18	20	21	23	23	22	19	17	18	231
2050	17	15	17	18	19	19	21	21	20	19	17	18	219
2051	17	15	17	18	18	18	19	19	19	18	17	17	212
2052	17	15	17	17	17	16	17	18	18	18	17	17	204
2053	17	15	17	17	16	15	16	16	16	17	17	17	196
2054	17	15	16	17	16	14	14	14	15	17	17	17	188
2055	17	15	16	16	15	12	12	13	14	17	17	17	180
2056	17	15	16	16	14	11	10	11	12	16	17	17	172
2057	17	15	16	16	13	9	8	9	11	16	16	17	164
2058	17	15	16	15	12	8	6	7	10	15	16	17	155
2059	17	15	16	15	11	6	4	6	8	15	16	17	147
2060	16	15	16	15	10	5	3	4	7	14	16	17	138
2061	16	15	16	14	9	3	0	2	5	14	16	17	128
2062	16	14	15	13	7	1	-2	-1	3	13	16	16	113
2063	15	14	15	13	6	-1	-5	-3	1	12	15	16	97
2064	15	13	14	12	4	-3	-8	-6	-1	11	15	15	81
2065	14	13	14	11	3	-6	-11	-9	-3	10	14	15	65

Goshen Table 22

Goshen													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	35	31	35	34	36	36	38	37	35	35	33	34	419
2017	22	20	22	22	22	20	21	21	21	22	22	23	258
2018	22	20	22	22	22	20	21	21	21	22	22	23	258
2019	22	20	22	22	22	20	21	21	21	22	22	23	257
2020	22	20	22	22	22	20	20	21	21	22	22	23	257
2021	22	20	22	22	22	20	20	21	21	22	22	23	256
2022	22	20	22	22	21	20	20	21	21	22	22	23	256
2023	22	20	22	22	21	20	20	21	21	22	22	22	255
2024	22	20	22	22	21	20	20	21	21	22	22	22	255
2025	22	20	22	22	21	20	20	20	21	22	22	22	254
2026	22	20	22	22	21	20	20	20	20	22	22	22	254
2027	22	20	22	21	21	20	20	20	20	22	22	22	253
2028	22	20	22	21	21	20	20	20	20	22	22	22	253
2029	22	20	22	21	21	20	20	20	20	22	21	22	252
2030	22	20	22	21	21	20	20	20	20	22	21	22	252
2031	22	20	22	21	21	19	20	20	20	22	21	22	251
2032	22	20	22	21	21	19	20	20	20	22	21	22	249
2033	22	20	22	21	21	19	20	20	20	22	21	22	248
2034	22	19	21	21	21	19	19	20	20	22	21	22	247
2035	21	19	21	21	21	19	19	20	20	21	21	22	245
2036	21	19	21	21	20	19	19	19	20	21	21	22	244
2037	21	19	21	21	20	19	19	19	19	21	21	22	243
2038	21	19	21	21	20	18	19	19	19	21	21	21	241
2039	21	19	21	20	20	18	19	19	19	21	21	21	240
2040	21	19	21	20	20	18	19	19	19	21	20	21	238
2041	21	19	21	20	20	18	18	19	19	21	20	21	237
2042	21	19	21	20	20	18	18	19	19	21	20	21	236
2043	21	19	20	20	20	18	18	19	19	21	20	21	235
2044	21	19	20	20	20	18	18	18	19	21	20	21	234
2045	20	18	20	20	19	18	18	18	19	20	20	21	232
2046	20	18	20	20	19	17	18	18	18	20	20	21	231
2047	20	18	20	20	19	17	18	18	18	20	20	21	230
2048	20	18	20	20	19	17	18	18	18	20	20	21	229
2049	20	18	20	20	19	17	17	18	18	20	20	20	227
2050	20	18	20	20	19	17	17	18	18	20	20	20	226
2051	20	18	20	20	19	17	17	18	18	20	20	20	226
2052	20	18	20	20	19	17	17	18	18	20	20	20	226
2053	20	18	20	20	19	17	17	18	18	20	20	20	226
2054	20	18	20	20	19	17	17	18	18	20	20	20	226
2055	20	18	20	20	19	17	17	18	18	20	20	20	226
2056	20	18	20	20	19	17	17	18	18	20	20	20	227
2057	20	18	20	20	19	17	17	18	18	20	20	20	227
2058	20	18	20	20	19	17	17	18	18	20	20	20	227
2059	20	18	20	20	19	17	17	18	18	20	20	20	227
2060	20	18	20	20	19	17	17	18	18	20	20	20	227
2061	20	18	20	20	19	17	17	18	18	20	20	20	227
2062	20	18	19	19	18	16	17	17	18	20	19	20	221
2063	19	17	19	19	18	16	16	16	17	19	19	20	215
2064	19	17	18	18	17	15	15	16	16	19	18	19	208
2065	18	16	18	18	17	15	15	15	16	18	18	19	202

Goshen Table 23

Goshen													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-6	-18	-29	-39	-36	-27	-8	0	0	-163
2018	0	0	0	-6	-19	-30	-39	-37	-28	-8	0	0	-167
2019	0	0	0	-6	-19	-30	-40	-37	-29	-8	0	0	-170
2020	0	0	0	-6	-20	-31	-41	-38	-29	-9	0	0	-174
2021	0	0	0	-6	-20	-31	-42	-39	-30	-9	0	0	-177
2022	0	0	0	-6	-20	-32	-42	-40	-30	-9	0	0	-180
2023	0	0	0	-7	-21	-33	-43	-40	-31	-9	0	0	-183
2024	0	0	0	-7	-21	-33	-44	-41	-31	-9	0	0	-186
2025	0	0	0	8	26	40	53	50	38	11	0	0	226
2026	0	0	0	8	25	40	53	49	37	11	0	0	223
2027	0	0	0	8	25	39	52	48	37	11	0	0	220
2028	0	0	0	8	24	38	51	48	36	11	0	0	216
2029	0	0	0	8	24	38	50	47	36	10	0	0	213
2030	0	0	0	8	24	37	49	46	35	10	0	0	209
2031	0	0	0	7	23	36	48	44	34	10	0	0	202
2032	0	0	0	7	22	35	46	43	33	10	0	0	194
2033	0	0	0	7	21	33	44	41	31	9	0	0	186
2034	0	0	0	6	20	32	42	39	30	9	0	0	178
2035	0	0	0	6	19	30	40	37	28	8	0	0	169
2036	0	0	0	6	18	29	38	35	27	8	0	0	160
2037	0	0	0	5	17	27	36	33	25	7	0	0	151
2038	0	0	0	5	16	25	33	31	24	7	0	0	142
2039	0	0	0	5	15	23	31	29	22	6	0	0	132
2040	0	0	0	4	14	22	29	27	20	6	0	0	121
2041	0	0	0	4	13	20	27	25	19	6	0	0	114
2042	0	0	0	4	12	19	25	24	18	5	0	0	107
2043	0	0	0	4	11	18	23	22	17	5	0	0	99
2044	0	0	0	3	10	16	22	20	15	4	0	0	92
2045	0	0	0	3	9	15	20	18	14	4	0	0	84
2046	0	0	0	3	9	13	18	17	13	4	0	0	76
2047	0	0	0	2	8	12	16	15	11	3	0	0	67
2048	0	0	0	2	7	10	14	13	10	3	0	0	59
2049	0	0	0	2	6	9	12	11	8	2	0	0	50
2050	0	0	0	1	5	7	10	9	7	2	0	0	41
2051	0	0	0	1	4	6	8	8	6	2	0	0	35
2052	0	0	0	1	3	5	7	6	5	1	0	0	28
2053	0	0	0	1	2	4	5	5	4	1	0	0	21
2054	0	0	0	1	2	3	3	3	2	1	0	0	14
2055	0	0	0	0	1	1	2	2	1	0	0	0	7
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	-1	-1	-2	-2	-1	0	0	0	-7
2058	0	0	0	-1	-2	-3	-3	-3	-2	-1	0	0	-14
2059	0	0	0	-1	-2	-4	-5	-5	-4	-1	0	0	-22
2060	0	0	0	-1	-3	-5	-7	-6	-5	-1	0	0	-29
2061	0	0	0	-1	-4	-7	-9	-8	-6	-2	0	0	-37
2062	0	0	0	-2	-5	-8	-11	-10	-8	-2	0	0	-45
2063	0	0	0	-2	-6	-9	-13	-12	-9	-3	0	0	-53
2064	0	0	0	-2	-7	-11	-14	-14	-10	-3	0	0	-61
2065	0	0	0	-3	-8	-12	-16	-15	-12	-3	0	0	-70

Goshen Table 24

Goshen													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	35	31	35	34	36	36	38	37	35	35	33	34	419
2017	22	20	22	16	3	-9	-18	-15	-7	14	22	23	95
2018	22	20	22	16	3	-10	-19	-16	-7	14	22	23	91
2019	22	20	22	16	2	-10	-20	-17	-8	14	22	23	87
2020	22	20	22	15	2	-11	-21	-17	-8	14	22	23	83
2021	22	20	22	15	2	-12	-21	-18	-9	14	22	23	79
2022	22	20	22	15	1	-12	-22	-19	-10	13	22	23	76
2023	22	20	22	15	1	-13	-23	-20	-10	13	22	22	72
2024	22	20	22	15	0	-13	-24	-20	-11	13	22	22	69
2025	22	20	22	30	47	60	74	70	59	33	22	22	481
2026	22	20	22	30	47	59	73	70	58	33	22	22	477
2027	22	20	22	29	46	59	72	69	57	33	22	22	473
2028	22	20	22	29	46	58	71	68	57	33	22	22	469
2029	22	20	22	29	45	57	70	67	56	32	21	22	465
2030	22	20	22	29	45	57	69	66	55	32	21	22	461
2031	22	20	22	29	44	55	67	64	54	32	21	22	452
2032	22	20	22	28	43	54	65	63	53	31	21	22	443
2033	22	20	22	28	42	52	63	61	51	31	21	22	434
2034	22	19	21	27	41	51	61	59	50	30	21	22	425
2035	21	19	21	27	40	49	59	57	48	30	21	22	415
2036	21	19	21	27	39	47	57	55	47	29	21	22	404
2037	21	19	21	26	37	45	55	53	45	29	21	22	394
2038	21	19	21	26	36	44	52	50	43	28	21	21	383
2039	21	19	21	25	35	42	50	48	41	28	21	21	371
2040	21	19	21	25	34	40	47	46	39	27	20	21	359
2041	21	19	21	24	33	38	45	44	38	26	20	21	351
2042	21	19	21	24	32	37	44	42	37	26	20	21	343
2043	21	19	20	24	31	35	42	40	35	26	20	21	334
2044	21	19	20	23	30	34	40	39	34	25	20	21	325
2045	20	18	20	23	29	32	38	37	33	25	20	21	316
2046	20	18	20	23	28	31	36	35	31	24	20	21	307
2047	20	18	20	22	27	29	34	33	30	24	20	21	297
2048	20	18	20	22	26	28	31	31	28	23	20	21	287
2049	20	18	20	21	25	26	29	29	27	23	20	20	277
2050	20	18	20	21	24	24	27	27	25	22	20	20	267
2051	20	18	20	21	23	23	25	25	24	22	20	20	261
2052	20	18	20	21	22	22	24	24	23	21	20	20	254
2053	20	18	20	20	21	21	22	22	22	21	20	20	247
2054	20	18	20	20	21	20	21	21	20	21	20	20	241
2055	20	18	20	20	20	18	19	19	19	20	20	20	234
2056	20	18	20	20	19	17	17	18	18	20	20	20	227
2057	20	18	20	19	18	16	16	16	17	20	20	20	220
2058	20	18	20	19	17	14	14	15	16	19	20	20	213
2059	20	18	20	19	16	13	12	13	14	19	20	20	205
2060	20	18	20	19	16	12	10	11	13	19	20	20	198
2061	20	18	20	18	15	10	9	9	12	18	20	20	189
2062	20	18	19	18	13	8	6	7	10	17	19	20	176
2063	19	17	19	17	12	6	4	5	8	17	19	20	161
2064	19	17	18	16	10	4	1	2	6	16	18	19	147
2065	18	16	18	15	9	2	-2	0	4	15	18	19	132

Goshen Table 25

Goshen													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	35	31	35	34	36	36	38	37	35	35	33	34	419
2017	22	20	22	22	22	20	21	21	21	22	22	23	258
2018	22	20	22	22	22	20	21	21	21	22	22	23	258
2019	22	20	22	22	22	20	21	21	21	22	22	23	258
2020	22	20	22	22	22	20	21	21	21	22	22	23	258
2021	22	20	22	22	22	20	21	21	21	22	22	23	259
2022	23	20	22	22	22	20	21	21	21	23	22	23	259
2023	23	20	22	22	22	20	21	21	21	23	22	23	259
2024	23	20	22	22	22	20	21	21	21	23	22	23	259
2025	23	20	22	22	22	20	21	21	21	23	22	23	260
2026	23	20	22	22	22	20	21	21	21	23	22	23	260
2027	23	20	22	22	22	20	21	21	21	23	22	23	260
2028	23	20	23	22	22	20	21	21	21	23	22	23	261
2029	23	20	23	22	22	20	21	21	21	23	22	23	261
2030	23	21	23	22	22	20	21	21	21	23	22	23	261
2031	23	20	23	22	22	20	21	21	21	23	22	23	261
2032	23	20	22	22	22	20	21	21	21	23	22	23	261
2033	23	20	22	22	22	20	21	21	21	23	22	23	260
2034	23	20	22	22	22	20	21	21	21	23	22	23	260
2035	23	20	22	22	22	20	21	21	21	23	22	23	259
2036	23	20	22	22	22	20	21	21	21	23	22	23	259
2037	23	20	22	22	22	20	21	21	21	23	22	23	259
2038	22	20	22	22	22	20	21	21	21	22	22	23	258
2039	22	20	22	22	22	20	21	21	21	22	22	23	258
2040	22	20	22	22	22	20	21	21	21	22	22	23	258
2041	22	20	22	22	22	20	21	21	21	22	22	23	257
2042	22	20	22	22	22	20	21	21	21	22	22	23	257
2043	22	20	22	22	22	20	20	21	21	22	22	23	257
2044	22	20	22	22	22	20	20	21	21	22	22	23	256
2045	22	20	22	22	21	20	20	21	21	22	22	23	256
2046	22	20	22	22	21	20	20	21	21	22	22	22	255
2047	22	20	22	22	21	20	20	21	21	22	22	22	255
2048	22	20	22	22	21	20	20	21	21	22	22	22	255
2049	22	20	22	22	21	20	20	20	21	22	22	22	254
2050	22	20	22	22	21	20	20	20	20	22	22	22	254
2051	22	20	22	22	21	20	20	21	21	22	22	22	255
2052	22	20	22	22	21	20	20	21	21	22	22	23	255
2053	22	20	22	22	22	20	20	21	21	22	22	23	256
2054	22	20	22	22	22	20	21	21	21	22	22	23	257
2055	22	20	22	22	22	20	21	21	21	22	22	23	258
2056	23	20	22	22	22	20	21	21	21	23	22	23	259
2057	23	20	22	22	22	20	21	21	21	23	22	23	260
2058	23	21	23	22	22	20	21	21	21	23	22	23	261
2059	23	21	23	22	22	21	21	21	21	23	22	23	263
2060	23	21	23	22	22	21	21	21	21	23	22	23	264
2061	23	21	23	22	22	21	21	21	21	23	22	23	264
2062	23	20	22	22	22	20	21	21	21	23	22	23	259
2063	22	20	22	22	21	20	20	20	20	22	22	22	254
2064	22	20	22	21	21	19	20	20	20	22	21	22	249
2065	21	19	21	21	20	19	19	19	20	21	21	22	244

Goshen Table 26

Goshen													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-6	-18	-29	-39	-36	-27	-8	0	0	-163
2018	0	0	0	-6	-19	-29	-39	-36	-28	-8	0	0	-165
2019	0	0	0	-6	-19	-30	-39	-37	-28	-8	0	0	-166
2020	0	0	0	-6	-19	-30	-40	-37	-28	-8	0	0	-168
2021	0	0	0	-6	-19	-30	-40	-37	-28	-8	0	0	-168
2022	0	0	0	-6	-19	-30	-40	-37	-28	-8	0	0	-168
2023	0	0	0	-6	-19	-30	-40	-37	-28	-8	0	0	-168
2024	0	0	0	-6	-19	-30	-40	-37	-28	-8	0	0	-168
2025	0	0	0	9	28	44	58	55	42	12	0	0	248
2026	0	0	0	9	28	44	58	54	42	12	0	0	248
2027	0	0	0	9	28	44	58	54	42	12	0	0	248
2028	0	0	0	9	28	44	58	54	42	12	0	0	248
2029	0	0	0	9	28	44	58	54	42	12	0	0	248
2030	0	0	0	9	28	44	58	54	42	12	0	0	248
2031	0	0	0	9	27	43	57	54	41	12	0	0	243
2032	0	0	0	9	27	43	56	53	40	12	0	0	239
2033	0	0	0	8	27	42	55	52	39	11	0	0	235
2034	0	0	0	8	26	41	54	51	39	11	0	0	230
2035	0	0	0	8	25	40	53	50	38	11	0	0	225
2036	0	0	0	8	25	39	52	49	37	11	0	0	220
2037	0	0	0	8	24	38	51	47	36	11	0	0	216
2038	0	0	0	8	24	37	50	46	35	10	0	0	210
2039	0	0	0	7	23	37	48	45	34	10	0	0	205
2040	0	0	0	7	23	36	47	44	34	10	0	0	200
2041	0	0	0	7	22	35	46	43	33	10	0	0	196
2042	0	0	0	7	22	34	45	42	32	9	0	0	191
2043	0	0	0	7	21	33	44	41	31	9	0	0	187
2044	0	0	0	7	21	32	43	40	31	9	0	0	182
2045	0	0	0	6	20	32	42	39	30	9	0	0	177
2046	0	0	0	6	20	31	41	38	29	8	0	0	173
2047	0	0	0	6	19	30	40	37	28	8	0	0	168
2048	0	0	0	6	18	29	38	36	27	8	0	0	163
2049	0	0	0	6	18	28	37	35	26	8	0	0	158
2050	0	0	0	5	17	27	36	34	26	7	0	0	153
2051	0	0	0	5	17	27	35	33	25	7	0	0	149
2052	0	0	0	5	16	26	34	32	24	7	0	0	146
2053	0	0	0	5	16	25	34	31	24	7	0	0	142
2054	0	0	0	5	16	25	33	30	23	7	0	0	138
2055	0	0	0	5	15	24	32	30	23	7	0	0	135
2056	0	0	0	5	15	23	31	29	22	6	0	0	131
2057	0	0	0	5	14	23	30	28	21	6	0	0	127
2058	0	0	0	4	14	22	29	27	21	6	0	0	124
2059	0	0	0	4	14	21	28	26	20	6	0	0	120
2060	0	0	0	4	13	21	27	25	19	6	0	0	116
2061	0	0	0	4	13	20	26	25	19	5	0	0	112
2062	0	0	0	4	12	19	26	24	18	5	0	0	109
2063	0	0	0	4	12	19	25	23	18	5	0	0	105
2064	0	0	0	4	11	18	24	22	17	5	0	0	101
2065	0	0	0	3	11	17	23	21	16	5	0	0	97

Goshen Table 27

Goshen													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	35	31	35	34	36	36	38	37	35	35	33	34	419
2017	22	20	22	16	3	-9	-18	-15	-7	14	22	23	95
2018	22	20	22	16	3	-9	-18	-15	-7	14	22	23	93
2019	22	20	22	16	3	-9	-19	-16	-7	14	22	23	92
2020	22	20	22	16	3	-10	-19	-16	-7	14	22	23	90
2021	22	20	22	16	3	-10	-19	-16	-7	14	22	23	91
2022	23	20	22	16	3	-10	-19	-16	-7	14	22	23	91
2023	23	20	22	16	3	-10	-19	-16	-7	14	22	23	91
2024	23	20	22	16	3	-10	-19	-16	-7	14	22	23	91
2025	23	20	22	31	50	64	79	76	63	35	22	23	507
2026	23	20	22	31	50	64	79	76	63	35	22	23	508
2027	23	20	22	31	50	64	79	76	63	35	22	23	508
2028	23	20	23	31	50	64	79	76	63	35	22	23	508
2029	23	20	23	31	50	64	79	76	63	35	22	23	509
2030	23	21	23	31	50	65	79	76	63	35	22	23	509
2031	23	20	23	31	49	64	78	75	62	35	22	23	504
2032	23	20	22	31	49	63	77	74	61	34	22	23	500
2033	23	20	22	30	48	62	76	73	60	34	22	23	495
2034	23	20	22	30	48	61	75	72	60	34	22	23	490
2035	23	20	22	30	47	60	74	71	59	34	22	23	485
2036	23	20	22	30	47	59	73	69	58	33	22	23	480
2037	23	20	22	30	46	59	72	68	57	33	22	23	474
2038	22	20	22	29	45	58	70	67	56	33	22	23	469
2039	22	20	22	29	45	57	69	66	55	33	22	23	463
2040	22	20	22	29	44	56	68	65	54	32	22	23	458
2041	22	20	22	29	44	55	67	64	54	32	22	23	453
2042	22	20	22	29	43	54	66	63	53	32	22	23	448
2043	22	20	22	28	43	53	65	62	52	31	22	23	443
2044	22	20	22	28	42	52	63	61	51	31	22	23	438
2045	22	20	22	28	42	51	62	60	50	31	22	23	433
2046	22	20	22	28	41	51	61	59	50	31	22	22	428
2047	22	20	22	28	40	50	60	57	49	30	22	22	423
2048	22	20	22	27	40	49	59	56	48	30	22	22	417
2049	22	20	22	27	39	48	57	55	47	30	22	22	412
2050	22	20	22	27	39	47	56	54	46	30	22	22	406
2051	22	20	22	27	38	46	55	53	46	30	22	22	404
2052	22	20	22	27	38	46	55	53	45	29	22	23	401
2053	22	20	22	27	38	45	54	52	45	29	22	23	398
2054	22	20	22	27	37	45	53	51	44	29	22	23	396
2055	22	20	22	27	37	44	52	51	44	29	22	23	393
2056	23	20	22	27	37	44	52	50	43	29	22	23	390
2057	23	20	22	27	36	43	51	49	42	29	22	23	388
2058	23	21	23	27	36	42	50	48	42	29	22	23	385
2059	23	21	23	26	36	42	49	48	41	29	22	23	382
2060	23	21	23	26	35	41	49	47	41	29	22	23	380
2061	23	21	23	26	35	41	48	46	40	28	22	23	376
2062	23	20	22	26	34	40	46	45	39	28	22	23	368
2063	22	20	22	25	33	38	45	44	38	27	22	22	359
2064	22	20	22	25	32	37	44	42	37	27	21	22	350
2065	21	19	21	24	31	36	42	41	36	26	21	22	341

MAPLETON

Explanation of Supply and Demand Tables – Mapleton City

Mapleton Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Mapleton Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Mapleton Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the City's existing corporate boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Mapleton Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Mapleton Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Mapleton Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Mapleton Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights and subarea safe yield. As the current subarea pumping already exceeds the aquifer safe yield, this table consists of all zeros.

Mapleton Table 8: Spanish Fork River. The current available volume was estimated based on the allocation of river flows from the 1977 Spanish Fork River Commissioner Report. Spanish Fork River water rights held by the City and shares of Spanish Fork river companies currently owned by the City were also considered in the estimate. River companies share volumes were allocated to the City based on how the river companies' boundaries overlay the City. The 2065 volume was calculated based on anticipated future conversion of river companies shares from agricultural use to municipal use.

Mapleton Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. Spanish Fork River flows delivered from City -owned water rights and through the river companies are not included in these volumes but are included in Table 8. Irrigation share volumes were allocated to the

City based on how the irrigation company boundaries overlay the City. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Mapleton Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Mapleton, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Mapleton Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Mapleton, the current outdoor use per ERC was calculated to be 0.70 acre-feet per ERC (4.67 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Mapleton Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Mapleton Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Mapleton Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Mapleton Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Mapleton Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Mapleton Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Mapleton Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Mapleton Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mapleton Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mapleton Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mapleton Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mapleton Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mapleton Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Mapleton Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mapleton Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Mapleton Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Mapleton Table 1

Mapleton													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mapleton Table 2

Mapleton													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2026	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2027	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2028	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2029	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2030	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2031	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2032	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2033	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2034	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2035	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2036	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2037	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2038	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2039	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2040	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2041	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2042	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2043	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2044	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2045	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2046	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2047	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2048	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2049	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2050	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2051	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2052	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2053	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2054	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2055	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2056	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2057	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2058	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2059	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2060	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2061	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2062	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2063	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2064	0	0	0	36	114	180	238	222	170	49	0	0	1,009
2065	0	0	0	36	114	180	238	222	170	49	0	0	1,009

Mapleton Table 3

Mapleton													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	1	4	20	16	15	4	0	0	0	60
2017	0	0	0	40	242	1,055	838	836	220	9	0	0	3,239
2018	0	0	0	43	262	1,140	905	903	238	9	0	0	3,501
2019	0	0	0	46	283	1,232	979	976	257	10	0	0	3,784
2020	0	0	0	50	306	1,332	1,058	1,055	278	11	0	0	4,091
2021	0	0	0	51	315	1,370	1,088	1,085	286	11	0	0	4,208
2022	0	0	0	53	324	1,409	1,119	1,116	294	12	0	0	4,328
2023	0	0	0	54	333	1,450	1,151	1,148	303	12	0	0	4,451
2024	0	0	0	56	343	1,491	1,184	1,181	311	12	0	0	4,578
2025	0	0	0	58	352	1,533	1,218	1,215	320	13	0	0	4,709
2026	0	0	0	59	362	1,577	1,253	1,249	329	13	0	0	4,843
2027	0	0	0	61	373	1,622	1,288	1,285	339	14	0	0	4,982
2028	0	0	0	63	383	1,669	1,325	1,322	348	14	0	0	5,124
2029	0	0	0	64	394	1,716	1,363	1,360	358	14	0	0	5,271
2030	0	0	0	66	406	1,766	1,402	1,399	369	15	0	0	5,421
2031	0	0	0	67	413	1,797	1,427	1,424	375	15	0	0	5,519
2032	0	0	0	69	420	1,829	1,453	1,449	382	15	0	0	5,618
2033	0	0	0	70	428	1,862	1,479	1,475	389	16	0	0	5,719
2034	0	0	0	71	436	1,896	1,505	1,502	396	16	0	0	5,821
2035	0	0	0	72	443	1,930	1,532	1,529	403	16	0	0	5,926
2036	0	0	0	74	451	1,964	1,560	1,556	410	16	0	0	6,032
2037	0	0	0	75	460	2,000	1,588	1,584	417	17	0	0	6,141
2038	0	0	0	76	468	2,036	1,617	1,613	425	17	0	0	6,251
2039	0	0	0	78	476	2,072	1,646	1,642	433	17	0	0	6,363
2040	0	0	0	79	485	2,109	1,675	1,671	440	18	0	0	6,478
2041	0	0	0	80	489	2,130	1,691	1,687	445	18	0	0	6,540
2042	0	0	0	81	494	2,150	1,708	1,703	449	18	0	0	6,603
2043	0	0	0	81	499	2,171	1,724	1,720	453	18	0	0	6,666
2044	0	0	0	82	504	2,192	1,740	1,736	458	18	0	0	6,730
2045	0	0	0	83	509	2,213	1,757	1,753	462	18	0	0	6,795
2046	0	0	0	84	513	2,234	1,774	1,770	466	19	0	0	6,860
2047	0	0	0	85	518	2,255	1,791	1,787	471	19	0	0	6,926
2048	0	0	0	85	523	2,277	1,808	1,804	475	19	0	0	6,992
2049	0	0	0	86	528	2,299	1,826	1,821	480	19	0	0	7,060
2050	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2051	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2052	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2053	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2054	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2055	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2056	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2057	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2058	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2059	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2060	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2061	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2062	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2063	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2064	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102
2065	0	0	0	87	531	2,313	1,837	1,832	483	19	0	0	7,102

Mapleton Table 4

Mapleton													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	539	573	266	213	221	217	232	0	0	2,261
2017	0	0	5	616	642	309	246	249	245	254	0	0	2,566
2018	0	0	6	623	648	313	249	251	247	256	0	0	2,591
2019	0	0	6	629	654	317	252	253	249	258	0	0	2,619
2020	0	0	7	637	661	321	255	256	252	260	0	0	2,648
2021	0	0	7	640	663	322	256	257	253	261	0	0	2,659
2022	0	0	7	643	666	324	257	258	254	262	0	0	2,671
2023	0	0	7	646	668	326	259	259	255	263	0	0	2,683
2024	0	0	7	649	671	327	260	260	256	264	0	0	2,695
2025	0	0	8	652	674	329	261	261	257	265	0	0	2,707
2026	0	0	8	655	677	331	263	263	258	266	0	0	2,720
2027	0	0	8	659	680	333	264	264	260	267	0	0	2,733
2028	0	0	8	662	683	335	266	265	261	268	0	0	2,747
2029	0	0	8	666	686	337	267	266	262	269	0	0	2,761
2030	0	0	9	669	689	339	269	268	263	270	0	0	2,776
2031	0	0	9	672	692	340	270	268	264	270	0	0	2,785
2032	0	0	9	674	694	341	271	269	265	271	0	0	2,795
2033	0	0	9	677	696	343	272	270	266	272	0	0	2,804
2034	0	0	9	679	698	344	273	271	267	273	0	0	2,814
2035	0	0	10	682	700	345	274	272	268	273	0	0	2,824
2036	0	0	10	684	703	347	275	273	269	274	0	0	2,834
2037	0	0	10	687	705	348	276	274	270	275	0	0	2,845
2038	0	0	10	690	707	350	277	275	271	276	0	0	2,855
2039	0	0	10	692	710	351	279	276	272	276	0	0	2,866
2040	0	0	10	695	712	353	280	277	272	277	0	0	2,877
2041	0	0	10	697	714	354	280	277	273	278	0	0	2,883
2042	0	0	11	698	715	355	281	278	274	278	0	0	2,889
2043	0	0	11	700	716	355	282	279	274	279	0	0	2,895
2044	0	0	11	701	718	356	282	279	275	279	0	0	2,901
2045	0	0	11	703	719	357	283	280	275	280	0	0	2,908
2046	0	0	11	704	721	358	284	280	276	280	0	0	2,914
2047	0	0	11	706	722	359	285	281	276	280	0	0	2,920
2048	0	0	11	708	723	360	285	281	277	281	0	0	2,927
2049	0	0	11	709	725	361	286	282	277	281	0	0	2,933
2050	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2051	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2052	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2053	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2054	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2055	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2056	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2057	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2058	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2059	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2060	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2061	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2062	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2063	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2064	0	0	11	710	726	361	286	282	278	282	0	0	2,937
2065	0	0	11	710	726	361	286	282	278	282	0	0	2,937

Mapleton Table 5

Mapleton													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2017	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2018	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2019	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2020	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2021	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2022	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2023	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2024	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2025	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2026	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2027	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2028	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2029	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2030	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2031	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2032	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2033	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2034	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2035	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2036	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2037	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2038	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2039	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2040	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2041	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2042	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2043	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2044	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2045	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2046	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2047	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2048	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2049	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2050	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2051	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2052	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2053	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2054	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2055	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2056	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2057	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2058	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2059	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2060	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2061	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2062	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2063	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2064	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2065	285	258	294	270	329	368	391	376	327	285	266	271	3,720

Mapleton Table 6

Mapleton													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mapleton Table 7

Mapleton													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Mapleton Table 8

Mapleton													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	5	30	18	19	15	8	8	2	0	0	107
2018	0	0	6	33	20	21	16	9	9	2	0	0	116
2019	0	0	6	35	22	23	17	10	10	3	0	0	125
2020	0	0	7	38	23	25	19	11	10	3	0	0	136
2021	0	0	7	39	24	25	19	11	11	3	0	0	140
2022	0	0	7	41	25	26	20	11	11	3	0	0	144
2023	0	0	7	42	26	27	20	12	11	3	0	0	148
2024	0	0	7	43	26	28	21	12	12	3	0	0	152
2025	0	0	8	44	27	29	21	12	12	3	0	0	156
2026	0	0	8	46	28	29	22	13	12	3	0	0	161
2027	0	0	8	47	29	30	23	13	13	3	0	0	166
2028	0	0	8	48	29	31	23	14	13	3	0	0	170
2029	0	0	8	50	30	32	24	14	13	4	0	0	175
2030	0	0	9	51	31	33	25	14	14	4	0	0	180
2031	0	0	9	52	32	33	25	15	14	4	0	0	184
2032	0	0	9	53	32	34	26	15	14	4	0	0	187
2033	0	0	9	54	33	35	26	15	15	4	0	0	190
2034	0	0	9	55	34	35	27	15	15	4	0	0	194
2035	0	0	10	56	34	36	27	16	15	4	0	0	197
2036	0	0	10	57	35	37	28	16	15	4	0	0	201
2037	0	0	10	58	35	37	28	16	16	4	0	0	205
2038	0	0	10	59	36	38	29	17	16	4	0	0	208
2039	0	0	10	60	37	39	29	17	16	4	0	0	212
2040	0	0	10	61	37	39	30	17	17	4	0	0	216
2041	0	0	10	62	38	40	30	17	17	4	0	0	218
2042	0	0	11	62	38	40	30	17	17	5	0	0	220
2043	0	0	11	63	38	41	31	18	17	5	0	0	222
2044	0	0	11	63	39	41	31	18	17	5	0	0	224
2045	0	0	11	64	39	41	31	18	17	5	0	0	227
2046	0	0	11	65	40	42	31	18	18	5	0	0	229
2047	0	0	11	65	40	42	32	18	18	5	0	0	231
2048	0	0	11	66	40	43	32	19	18	5	0	0	233
2049	0	0	11	67	41	43	32	19	18	5	0	0	236
2050	0	0	11	67	41	43	33	19	18	5	0	0	237
2051	0	0	11	67	41	43	33	19	18	5	0	0	237
2052	0	0	11	67	41	43	33	19	18	5	0	0	237
2053	0	0	11	67	41	43	33	19	18	5	0	0	237
2054	0	0	11	67	41	43	33	19	18	5	0	0	237
2055	0	0	11	67	41	43	33	19	18	5	0	0	237
2056	0	0	11	67	41	43	33	19	18	5	0	0	237
2057	0	0	11	67	41	43	33	19	18	5	0	0	237
2058	0	0	11	67	41	43	33	19	18	5	0	0	237
2059	0	0	11	67	41	43	33	19	18	5	0	0	237
2060	0	0	11	67	41	43	33	19	18	5	0	0	237
2061	0	0	11	67	41	43	33	19	18	5	0	0	237
2062	0	0	11	67	41	43	33	19	18	5	0	0	237
2063	0	0	11	67	41	43	33	19	18	5	0	0	237
2064	0	0	11	67	41	43	33	19	18	5	0	0	237
2065	0	0	11	67	41	43	33	19	18	5	0	0	237

Mapleton Table 9

Mapleton													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	539	573	266	213	221	217	232	0	0	2,261
2017	0	0	0	586	624	290	231	240	236	252	0	0	2,459
2018	0	0	0	590	628	292	233	242	238	254	0	0	2,476
2019	0	0	0	594	632	294	234	243	240	256	0	0	2,493
2020	0	0	0	599	637	296	236	245	242	258	0	0	2,512
2021	0	0	0	600	639	297	237	246	242	258	0	0	2,520
2022	0	0	0	602	641	298	238	247	243	259	0	0	2,527
2023	0	0	0	604	643	299	238	247	244	260	0	0	2,535
2024	0	0	0	606	645	300	239	248	245	261	0	0	2,543
2025	0	0	0	608	647	300	240	249	245	262	0	0	2,551
2026	0	0	0	610	649	301	241	250	246	262	0	0	2,559
2027	0	0	0	612	651	302	241	251	247	263	0	0	2,568
2028	0	0	0	614	654	304	242	252	248	264	0	0	2,577
2029	0	0	0	616	656	305	243	252	249	265	0	0	2,586
2030	0	0	0	618	658	306	244	253	250	266	0	0	2,595
2031	0	0	0	620	660	306	245	254	250	267	0	0	2,601
2032	0	0	0	621	661	307	245	255	251	267	0	0	2,607
2033	0	0	0	623	663	308	246	255	251	268	0	0	2,614
2034	0	0	0	624	665	309	246	256	252	269	0	0	2,620
2035	0	0	0	626	666	309	247	256	253	269	0	0	2,627
2036	0	0	0	627	668	310	248	257	253	270	0	0	2,633
2037	0	0	0	629	670	311	248	258	254	271	0	0	2,640
2038	0	0	0	631	671	312	249	258	255	271	0	0	2,647
2039	0	0	0	632	673	313	249	259	255	272	0	0	2,654
2040	0	0	0	634	675	313	250	260	256	273	0	0	2,661
2041	0	0	0	635	676	314	251	260	256	273	0	0	2,665
2042	0	0	0	636	677	314	251	261	257	274	0	0	2,669
2043	0	0	0	637	678	315	251	261	257	274	0	0	2,673
2044	0	0	0	638	679	315	252	261	257	274	0	0	2,677
2045	0	0	0	639	680	316	252	262	258	275	0	0	2,681
2046	0	0	0	640	681	316	252	262	258	275	0	0	2,685
2047	0	0	0	641	682	317	253	262	259	276	0	0	2,689
2048	0	0	0	642	683	317	253	263	259	276	0	0	2,693
2049	0	0	0	643	684	318	254	263	259	277	0	0	2,697
2050	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2051	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2052	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2053	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2054	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2055	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2056	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2057	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2058	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2059	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2060	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2061	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2062	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2063	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2064	0	0	0	643	685	318	254	264	260	277	0	0	2,700
2065	0	0	0	643	685	318	254	264	260	277	0	0	2,700

Mapleton Table 10

Mapleton													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	84	76	87	80	97	109	116	111	97	84	79	80	1,101
2018	94	85	97	89	109	121	129	124	108	94	88	89	1,226
2019	102	92	105	96	118	131	139	134	117	102	95	97	1,327
2020	110	99	114	104	127	142	151	145	126	110	103	105	1,436
2021	113	102	117	107	131	146	155	150	130	113	106	108	1,478
2022	117	105	120	110	135	151	160	154	134	116	109	111	1,521
2023	120	108	124	113	139	155	164	158	138	120	112	114	1,565
2024	123	112	127	117	143	159	169	163	142	123	115	117	1,610
2025	127	115	131	120	147	164	174	168	146	127	118	121	1,657
2026	131	118	135	124	151	169	179	172	150	130	122	124	1,705
2027	135	121	139	127	155	174	184	177	154	134	125	128	1,754
2028	138	125	143	131	160	179	189	183	159	138	129	132	1,805
2029	142	129	147	135	164	184	195	188	163	142	133	135	1,857
2030	147	132	151	139	169	189	201	193	168	146	137	139	1,911
2031	149	135	154	141	172	193	204	197	171	149	139	142	1,945
2032	152	137	157	144	175	196	208	200	174	151	142	144	1,980
2033	155	140	159	146	179	200	212	204	177	154	144	147	2,016
2034	157	142	162	149	182	203	216	208	181	157	147	150	2,053
2035	160	145	165	152	185	207	219	211	184	160	149	152	2,090
2036	163	147	168	154	188	211	223	215	187	163	152	155	2,128
2037	166	150	171	157	192	214	228	219	191	166	155	158	2,167
2038	169	153	174	160	195	218	232	223	194	169	158	161	2,206
2039	172	156	178	163	199	222	236	227	197	172	161	164	2,246
2040	175	158	181	166	202	226	240	231	201	175	163	167	2,287
2041	177	160	183	167	204	229	242	234	203	177	165	168	2,309
2042	179	161	184	169	206	231	245	236	205	178	167	170	2,331
2043	181	163	186	171	208	233	247	238	207	180	168	172	2,354
2044	182	165	188	172	210	235	250	240	209	182	170	173	2,377
2045	184	166	190	174	212	238	252	243	211	184	172	175	2,400
2046	186	168	192	176	215	240	254	245	213	185	173	177	2,423
2047	188	169	193	177	217	242	257	247	215	187	175	178	2,447
2048	189	171	195	179	219	245	259	250	217	189	177	180	2,470
2049	191	173	197	181	221	247	262	252	219	191	178	182	2,494
2050	193	174	199	183	223	249	264	255	221	193	180	184	2,518
2051	195	176	201	185	226	252	268	258	224	195	182	186	2,548
2052	198	179	204	187	228	255	271	261	227	197	184	188	2,577
2053	200	181	206	189	231	258	274	264	229	199	186	190	2,607
2054	202	183	208	191	233	261	277	267	232	202	188	192	2,637
2055	205	185	211	193	236	264	280	270	235	204	191	194	2,668
2056	207	187	213	196	239	267	283	273	237	206	193	197	2,699
2057	209	189	216	198	242	270	287	276	240	209	195	199	2,730
2058	212	191	218	200	245	273	290	279	243	211	197	201	2,761
2059	214	194	221	203	247	276	293	283	246	214	200	204	2,793
2060	217	196	223	205	250	280	297	286	248	216	202	206	2,826
2061	218	197	225	207	252	282	299	288	250	218	204	208	2,848
2062	220	199	227	208	254	284	301	290	252	220	205	209	2,871
2063	222	200	229	210	256	286	304	293	254	221	207	211	2,894
2064	224	202	231	212	258	289	306	295	256	223	209	213	2,917
2065	226	204	232	213	260	291	309	297	259	225	210	214	2,941

Mapleton Table 11

Mapleton													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	71	222	350	464	432	330	96	0	0	1,965
2018	0	0	0	79	248	391	518	483	369	108	0	0	2,194
2019	0	0	0	86	269	424	562	524	400	117	0	0	2,380
2020	0	0	0	93	292	459	609	568	434	126	0	0	2,581
2021	0	0	0	96	301	474	628	585	447	130	0	0	2,661
2022	0	0	0	99	310	488	648	604	461	134	0	0	2,744
2023	0	0	0	102	320	504	668	622	475	139	0	0	2,829
2024	0	0	0	105	330	519	688	642	490	143	0	0	2,917
2025	0	0	0	108	340	535	710	662	505	147	0	0	3,007
2026	0	0	0	112	350	552	732	682	521	152	0	0	3,101
2027	0	0	0	115	361	569	755	703	537	157	0	0	3,197
2028	0	0	0	119	372	587	778	725	554	162	0	0	3,296
2029	0	0	0	122	384	605	802	748	571	167	0	0	3,399
2030	0	0	0	126	396	624	827	771	589	172	0	0	3,504
2031	0	0	0	129	404	636	844	786	601	175	0	0	3,575
2032	0	0	0	131	412	649	861	802	613	179	0	0	3,647
2033	0	0	0	134	420	662	878	819	625	182	0	0	3,721
2034	0	0	0	137	429	676	896	835	638	186	0	0	3,796
2035	0	0	0	139	438	689	914	852	651	190	0	0	3,873
2036	0	0	0	142	446	703	932	869	664	194	0	0	3,951
2037	0	0	0	145	455	717	951	887	677	197	0	0	4,030
2038	0	0	0	148	465	732	970	905	691	201	0	0	4,112
2039	0	0	0	151	474	747	990	923	705	206	0	0	4,195
2040	0	0	0	154	484	762	1,010	941	719	210	0	0	4,279
2041	0	0	0	156	489	771	1,022	952	727	212	0	0	4,329
2042	0	0	0	158	495	780	1,034	964	736	215	0	0	4,380
2043	0	0	0	160	501	789	1,046	975	744	217	0	0	4,431
2044	0	0	0	161	507	798	1,058	986	753	220	0	0	4,483
2045	0	0	0	163	513	807	1,070	998	762	222	0	0	4,535
2046	0	0	0	165	518	817	1,083	1,009	771	225	0	0	4,588
2047	0	0	0	167	525	826	1,096	1,021	780	227	0	0	4,642
2048	0	0	0	169	531	836	1,108	1,033	789	230	0	0	4,696
2049	0	0	0	171	537	846	1,121	1,045	798	233	0	0	4,751
2050	0	0	0	173	543	856	1,134	1,057	807	236	0	0	4,806
2051	0	0	0	175	550	867	1,150	1,072	818	239	0	0	4,872
2052	0	0	0	178	558	879	1,165	1,086	830	242	0	0	4,938
2053	0	0	0	180	566	891	1,181	1,101	841	245	0	0	5,004
2054	0	0	0	183	573	903	1,197	1,116	852	249	0	0	5,072
2055	0	0	0	185	581	915	1,213	1,131	864	252	0	0	5,141
2056	0	0	0	188	589	927	1,230	1,146	875	255	0	0	5,211
2057	0	0	0	190	597	940	1,246	1,162	887	259	0	0	5,281
2058	0	0	0	193	605	953	1,263	1,178	899	262	0	0	5,352
2059	0	0	0	195	613	966	1,280	1,193	911	266	0	0	5,425
2060	0	0	0	198	621	979	1,298	1,210	924	269	0	0	5,498
2061	0	0	0	200	627	988	1,310	1,222	933	272	0	0	5,553
2062	0	0	0	202	634	998	1,323	1,234	942	275	0	0	5,608
2063	0	0	0	204	640	1,008	1,337	1,246	951	278	0	0	5,663
2064	0	0	0	206	646	1,018	1,350	1,258	961	280	0	0	5,720
1905	0	0	0	208	653	1,028	1,363	1,271	970	283	0	0	5,776

Mapleton Table 12

Mapleton													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	84	76	87	151	320	459	579	544	427	180	79	80	3,066
2018	94	85	97	168	357	512	647	607	476	201	88	89	3,421
2019	102	92	105	182	386	555	701	658	516	218	95	97	3,707
2020	110	99	114	197	419	602	760	713	560	236	103	105	4,017
2021	113	102	117	203	432	620	783	735	577	243	106	108	4,139
2022	117	105	120	209	445	639	807	757	595	251	109	111	4,265
2023	120	108	124	215	458	658	832	781	613	258	112	114	4,394
2024	123	112	127	222	472	679	857	805	632	266	115	117	4,527
2025	127	115	131	228	487	699	884	829	651	274	118	121	4,664
2026	131	118	135	235	501	721	911	855	671	282	122	124	4,805
2027	135	121	139	242	517	743	939	881	691	291	125	128	4,951
2028	138	125	143	250	532	765	967	908	712	300	129	132	5,101
2029	142	129	147	257	548	789	997	936	734	309	133	135	5,255
2030	147	132	151	265	565	813	1,028	964	757	318	137	139	5,415
2031	149	135	154	270	576	829	1,048	983	772	324	139	142	5,520
2032	152	137	157	275	587	845	1,069	1,003	787	330	142	144	5,628
2033	155	140	159	280	599	862	1,090	1,023	802	337	144	147	5,737
2034	157	142	162	286	611	879	1,111	1,043	818	343	147	150	5,849
2035	160	145	165	291	623	896	1,133	1,063	834	350	149	152	5,963
2036	163	147	168	297	635	914	1,156	1,084	851	356	152	155	6,079
2037	166	150	171	302	647	932	1,179	1,106	868	363	155	158	6,197
2038	169	153	174	308	660	950	1,202	1,128	885	370	158	161	6,318
2039	172	156	178	314	673	969	1,226	1,150	902	377	161	164	6,441
2040	175	158	181	320	686	988	1,250	1,173	920	385	163	167	6,566
2041	177	160	183	323	694	999	1,264	1,186	930	389	165	168	6,638
2042	179	161	184	327	701	1,010	1,279	1,199	941	393	167	170	6,711
2043	181	163	186	330	709	1,022	1,293	1,213	951	397	168	172	6,785
2044	182	165	188	334	717	1,033	1,308	1,227	962	401	170	173	6,860
2045	184	166	190	337	725	1,045	1,322	1,241	973	406	172	175	6,935
2046	186	168	192	341	733	1,057	1,337	1,255	984	410	173	177	7,012
2047	188	169	193	345	741	1,068	1,352	1,269	995	415	175	178	7,089
2048	189	171	195	348	749	1,080	1,368	1,283	1,006	419	177	180	7,167
2049	191	173	197	352	758	1,093	1,383	1,298	1,017	424	178	182	7,245
2050	193	174	199	356	766	1,105	1,399	1,312	1,029	428	180	184	7,325
2051	195	176	201	360	776	1,119	1,417	1,329	1,042	434	182	186	7,419
2052	198	179	204	365	786	1,134	1,436	1,347	1,056	439	184	188	7,515
2053	200	181	206	369	796	1,149	1,455	1,365	1,070	445	186	190	7,611
2054	202	183	208	374	807	1,164	1,474	1,383	1,084	450	188	192	7,709
2055	205	185	211	379	817	1,179	1,493	1,401	1,098	456	191	194	7,809
2056	207	187	213	383	828	1,195	1,513	1,419	1,113	462	193	197	7,909
2057	209	189	216	388	838	1,210	1,533	1,438	1,127	468	195	199	8,011
2058	212	191	218	393	849	1,226	1,553	1,457	1,142	473	197	201	8,114
2059	214	194	221	398	860	1,242	1,574	1,476	1,157	479	200	204	8,218
2060	217	196	223	403	871	1,258	1,594	1,495	1,172	486	202	206	8,324
2061	218	197	225	406	880	1,270	1,610	1,510	1,183	490	204	208	8,401
2062	220	199	227	410	888	1,282	1,625	1,524	1,195	494	205	209	8,479
2063	222	200	229	414	896	1,295	1,640	1,539	1,206	499	207	211	8,558
2064	224	202	231	417	905	1,307	1,656	1,553	1,217	503	209	213	8,637
1905	226	204	232	421	913	1,319	1,672	1,568	1,229	508	210	214	8,717

Mapleton Table 13

Mapleton													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	76	69	79	72	88	98	104	100	87	76	71	72	993
2018	84	76	87	80	97	109	116	111	97	84	79	80	1,101
2019	91	82	94	86	105	118	125	120	104	91	85	87	1,188
2020	98	89	101	93	113	127	135	130	113	98	92	93	1,281
2021	101	91	104	96	117	130	138	133	116	101	94	96	1,317
2022	104	94	107	98	120	134	142	137	119	104	97	99	1,353
2023	107	96	110	101	123	138	146	141	122	106	99	101	1,391
2024	110	99	113	104	127	142	150	145	126	109	102	104	1,430
2025	113	102	116	107	130	145	154	149	129	112	105	107	1,470
2026	116	105	119	110	134	150	159	153	133	116	108	110	1,511
2027	119	108	123	113	138	154	163	157	137	119	111	113	1,553
2028	122	111	126	116	141	158	168	162	140	122	114	116	1,597
2029	126	114	130	119	145	162	172	166	144	126	117	120	1,642
2030	129	117	133	122	149	167	177	171	148	129	121	123	1,688
2031	132	119	136	125	152	170	180	174	151	131	123	125	1,717
2032	134	121	138	127	155	173	184	177	154	134	125	127	1,748
2033	136	123	141	129	157	176	187	180	156	136	127	130	1,778
2034	139	125	143	131	160	179	190	183	159	138	129	132	1,810
2035	141	128	146	134	163	182	193	186	162	141	132	134	1,842
2036	144	130	148	136	166	186	197	190	165	143	134	137	1,874
2037	146	132	151	138	169	189	200	193	168	146	136	139	1,907
2038	149	134	153	141	172	192	204	196	171	148	139	141	1,941
2039	152	137	156	143	175	196	207	200	174	151	141	144	1,975
2040	154	139	159	146	178	199	211	203	177	154	144	147	2,010
2041	156	141	160	147	180	201	213	205	178	155	145	148	2,029
2042	157	142	162	149	181	203	215	207	180	157	146	149	2,048
2043	159	143	163	150	183	205	217	209	182	158	148	151	2,068
2044	160	145	165	151	185	207	219	211	184	160	149	152	2,087
2045	162	146	167	153	187	209	221	213	185	161	151	154	2,107
2046	163	147	168	154	188	211	223	215	187	163	152	155	2,127
2047	165	149	170	156	190	213	225	217	189	164	153	157	2,147
2048	166	150	171	157	192	215	228	219	191	166	155	158	2,167
2049	168	152	173	159	194	217	230	221	192	167	156	159	2,188
2050	169	153	175	160	196	219	232	223	194	169	158	161	2,209
2051	171	155	177	162	198	221	235	226	196	171	160	163	2,234
2052	173	156	179	164	200	224	237	229	199	173	161	165	2,259
2053	175	158	181	166	202	226	240	231	201	175	163	167	2,285
2054	177	160	183	168	205	229	243	234	203	177	165	168	2,310
2055	179	162	185	169	207	231	245	236	205	179	167	170	2,337
2056	181	164	187	171	209	234	248	239	208	181	169	172	2,363
2057	183	166	189	173	212	237	251	242	210	183	171	174	2,390
2058	185	167	191	175	214	239	254	244	213	185	173	176	2,417
2059	187	169	193	177	216	242	257	247	215	187	175	178	2,444
2060	190	171	195	179	219	245	260	250	217	189	177	180	2,472
2061	191	173	197	181	221	247	262	252	219	191	178	182	2,492
2062	193	174	198	182	222	249	264	254	221	192	179	183	2,511
2063	194	175	200	184	224	250	266	256	223	194	181	184	2,531
2064	196	177	202	185	226	252	268	258	224	195	182	186	2,551
2065	197	178	203	186	228	254	270	260	226	197	184	187	2,571

Mapleton Table 14

Mapleton													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	70	218	344	456	425	325	95	0	0	1,933
2018	0	0	0	75	235	370	491	458	350	102	0	0	2,081
2019	0	0	0	79	249	392	519	484	370	108	0	0	2,200
2020	0	0	0	84	263	415	550	512	391	114	0	0	2,329
2021	0	0	0	86	269	424	562	524	400	117	0	0	2,381
2022	0	0	0	88	275	433	574	535	409	119	0	0	2,434
2023	0	0	0	90	281	443	587	548	418	122	0	0	2,489
2024	0	0	0	92	288	453	601	560	428	125	0	0	2,545
2025	0	0	0	94	294	463	614	573	437	128	0	0	2,603
2026	0	0	0	96	301	474	629	586	447	131	0	0	2,663
2027	0	0	0	98	308	485	643	600	458	134	0	0	2,725
2028	0	0	0	100	315	496	658	614	469	137	0	0	2,789
2029	0	0	0	103	323	508	674	628	480	140	0	0	2,855
2030	0	0	0	105	330	520	690	643	491	143	0	0	2,923
2031	0	0	0	107	335	528	700	653	499	145	0	0	2,968
2032	0	0	0	109	341	537	711	663	506	148	0	0	3,015
2033	0	0	0	110	346	545	723	674	514	150	0	0	3,062
2034	0	0	0	112	351	554	734	684	523	152	0	0	3,110
2035	0	0	0	114	357	562	746	695	531	155	0	0	3,159
2036	0	0	0	116	363	571	758	706	539	157	0	0	3,210
2037	0	0	0	117	368	580	770	717	548	160	0	0	3,261
2038	0	0	0	119	374	590	782	729	557	162	0	0	3,313
2039	0	0	0	121	380	599	795	741	566	165	0	0	3,367
2040	0	0	0	123	387	609	807	753	575	168	0	0	3,421
2041	0	0	0	124	390	615	815	760	580	169	0	0	3,453
2042	0	0	0	125	394	620	823	767	586	171	0	0	3,486
2043	0	0	0	127	398	626	830	774	591	172	0	0	3,519
2044	0	0	0	128	401	632	838	781	597	174	0	0	3,552
2045	0	0	0	129	405	638	846	789	602	176	0	0	3,586
2046	0	0	0	130	409	644	854	796	608	177	0	0	3,620
2047	0	0	0	132	413	650	862	804	614	179	0	0	3,654
2048	0	0	0	133	417	657	871	812	620	181	0	0	3,689
2049	0	0	0	134	421	663	879	819	626	182	0	0	3,724
2050	0	0	0	135	425	669	887	827	632	184	0	0	3,760
2051	0	0	0	137	430	677	897	836	639	186	0	0	3,802
2052	0	0	0	138	434	684	907	846	646	188	0	0	3,844
2053	0	0	0	140	439	692	917	855	653	190	0	0	3,887
2054	0	0	0	142	444	700	928	865	660	193	0	0	3,931
2055	0	0	0	143	449	708	938	874	668	195	0	0	3,975
2056	0	0	0	145	454	715	949	884	675	197	0	0	4,020
2057	0	0	0	146	459	724	959	894	683	199	0	0	4,065
2058	0	0	0	148	465	732	970	904	691	201	0	0	4,111
2059	0	0	0	150	470	740	981	915	698	204	0	0	4,157
2060	0	0	0	151	475	748	992	925	706	206	0	0	4,205
2061	0	0	0	153	479	755	1,001	933	712	208	0	0	4,240
2062	0	0	0	154	483	761	1,009	941	718	209	0	0	4,275
2063	0	0	0	155	487	767	1,017	948	724	211	0	0	4,311
2064	0	0	0	156	491	774	1,026	956	730	213	0	0	4,347
1905	0	0	0	158	495	780	1,034	964	736	215	0	0	4,383

Mapleton Table 15

Mapleton													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	76	69	79	142	306	442	561	526	412	171	71	72	2,927
2018	84	76	87	155	333	479	607	569	446	186	79	80	3,182
2019	91	82	94	165	354	509	644	604	474	199	85	87	3,387
2020	98	89	101	177	377	541	684	642	504	212	92	93	3,610
2021	101	91	104	181	386	554	700	657	516	217	94	96	3,698
2022	104	94	107	186	395	567	717	672	528	223	97	99	3,787
2023	107	96	110	190	404	581	733	688	540	228	99	101	3,880
2024	110	99	113	195	414	595	751	705	553	234	102	104	3,975
2025	113	102	116	200	424	609	769	721	567	240	105	107	4,073
2026	116	105	119	205	435	624	787	739	580	246	108	110	4,174
2027	119	108	123	211	445	639	806	757	594	252	111	113	4,279
2028	122	111	126	216	457	655	826	775	609	259	114	116	4,386
2029	126	114	130	222	468	671	846	794	624	265	117	120	4,496
2030	129	117	133	228	480	687	867	814	639	272	121	123	4,610
2031	132	119	136	231	487	698	881	827	650	277	123	125	4,685
2032	134	121	138	235	495	710	895	840	660	281	125	127	4,762
2033	136	123	141	239	503	721	909	854	671	286	127	130	4,840
2034	139	125	143	243	512	733	924	867	682	291	129	132	4,920
2035	141	128	146	247	520	745	939	881	693	296	132	134	5,001
2036	144	130	148	251	529	757	954	896	704	301	134	137	5,084
2037	146	132	151	256	537	769	970	910	716	306	136	139	5,168
2038	149	134	153	260	546	782	986	925	727	311	139	141	5,254
2039	152	137	156	264	555	795	1,002	940	739	316	141	144	5,342
2040	154	139	159	269	565	808	1,018	956	751	321	144	147	5,431
2041	156	141	160	271	570	816	1,028	965	759	324	145	148	5,482
2042	157	142	162	274	575	823	1,038	974	766	327	146	149	5,534
2043	159	143	163	277	581	831	1,048	983	773	331	148	151	5,586
2044	160	145	165	279	586	839	1,057	993	780	334	149	152	5,639
2045	162	146	167	282	592	847	1,067	1,002	788	337	151	154	5,693
2046	163	147	168	285	597	855	1,078	1,011	795	340	152	155	5,747
2047	165	149	170	287	603	863	1,088	1,021	803	343	153	157	5,801
2048	166	150	171	290	609	871	1,098	1,031	810	347	155	158	5,856
2049	168	152	173	293	615	879	1,109	1,041	818	350	156	159	5,912
2050	169	153	175	296	620	888	1,119	1,051	826	353	158	161	5,969
2051	171	155	177	299	627	898	1,132	1,062	835	357	160	163	6,035
2052	173	156	179	302	634	908	1,144	1,074	844	361	161	165	6,103
2053	175	158	181	306	642	918	1,157	1,086	854	365	163	167	6,172
2054	177	160	183	309	649	928	1,170	1,098	863	369	165	168	6,241
2055	179	162	185	313	656	939	1,183	1,111	873	373	167	170	6,312
2056	181	164	187	316	663	949	1,197	1,123	883	378	169	172	6,383
2057	183	166	189	320	671	960	1,210	1,136	893	382	171	174	6,455
2058	185	167	191	323	679	971	1,224	1,149	903	386	173	176	6,528
2059	187	169	193	327	686	982	1,238	1,162	913	391	175	178	6,602
2060	190	171	195	331	694	993	1,252	1,175	924	395	177	180	6,677
2061	191	173	197	333	700	1,001	1,262	1,185	931	398	178	182	6,731
2062	193	174	198	336	705	1,010	1,273	1,195	939	402	179	183	6,786
2063	194	175	200	339	711	1,018	1,283	1,204	947	405	181	184	6,842
2064	196	177	202	341	717	1,026	1,294	1,214	955	408	182	186	6,898
1905	197	178	203	344	723	1,035	1,304	1,224	962	411	184	187	6,954

Mapleton Table 16

Mapleton													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	76	69	79	72	88	98	104	100	87	76	71	72	993
2018	84	76	87	80	97	109	115	111	96	84	78	80	1,096
2019	90	82	93	85	104	117	124	119	104	90	84	86	1,177
2020	97	88	100	92	112	125	133	128	111	97	90	92	1,265
2021	99	90	102	94	114	128	136	131	114	99	92	94	1,292
2022	101	91	104	96	117	131	139	134	116	101	94	96	1,321
2023	104	93	107	98	119	134	142	137	119	103	96	98	1,350
2024	106	96	109	100	122	137	145	140	121	106	99	101	1,379
2025	108	98	111	102	125	140	148	143	124	108	101	103	1,410
2026	111	100	114	105	128	143	151	146	127	110	103	105	1,441
2027	113	102	116	107	130	146	155	149	130	113	105	107	1,473
2028	116	104	119	109	133	149	158	152	132	115	108	110	1,507
2029	118	107	122	112	136	152	162	156	135	118	110	112	1,540
2030	121	109	125	114	139	156	165	159	138	120	113	115	1,575
2031	123	111	126	116	141	158	168	162	140	122	114	116	1,598
2032	124	112	128	118	143	160	170	164	142	124	116	118	1,620
2033	126	114	130	119	146	163	173	166	145	126	117	120	1,644
2034	128	115	132	121	148	165	175	169	147	128	119	122	1,667
2035	130	117	134	123	150	167	178	171	149	129	121	123	1,691
2036	132	119	136	124	152	170	180	174	151	131	123	125	1,716
2037	133	121	138	126	154	172	183	176	153	133	124	127	1,740
2038	135	122	140	128	156	175	185	179	155	135	126	129	1,765
2039	137	124	142	130	159	177	188	181	157	137	128	131	1,791
2040	139	126	144	132	161	180	191	184	160	139	130	132	1,817
2041	140	127	145	133	162	181	192	185	161	140	131	134	1,832
2042	142	128	146	134	163	183	194	187	162	141	132	135	1,846
2043	143	129	147	135	165	184	195	188	164	142	133	136	1,861
2044	144	130	148	136	166	186	197	190	165	143	134	137	1,876
2045	145	131	149	137	167	187	199	191	166	145	135	138	1,891
2046	146	132	151	138	169	189	200	193	168	146	136	139	1,906
2047	147	133	152	139	170	190	202	194	169	147	137	140	1,922
2048	149	134	153	140	172	192	203	196	170	148	138	141	1,937
2049	150	135	154	142	173	193	205	198	172	149	140	142	1,953
2050	151	136	156	143	174	195	207	199	173	151	141	143	1,969
2051	152	138	157	144	176	197	209	201	175	152	142	145	1,988
2052	154	139	159	146	178	199	211	203	177	154	144	146	2,008
2053	156	140	160	147	180	201	213	205	178	155	145	148	2,028
2054	157	142	162	149	181	203	215	207	180	157	146	149	2,048
2055	159	143	163	150	183	205	217	209	182	158	148	151	2,068
2056	160	145	165	152	185	207	219	211	184	160	149	152	2,089
2057	162	146	167	153	187	209	222	213	185	161	151	154	2,110
2058	163	148	168	155	189	211	224	216	187	163	152	155	2,131
2059	165	149	170	156	191	213	226	218	189	165	154	157	2,152
2060	167	151	172	158	192	215	228	220	191	166	155	158	2,173
2061	168	151	173	159	194	216	230	221	192	167	156	159	2,187
2062	169	152	174	160	195	218	231	223	193	168	157	160	2,200
2063	170	153	175	161	196	219	232	224	195	169	158	161	2,214
2064	171	154	176	162	197	220	234	225	196	170	159	162	2,227
2065	172	155	177	163	198	222	235	227	197	171	160	163	2,241

Mapleton Table 17

Mapleton													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	70	218	344	456	425	325	95	0	0	1,933
2018	0	0	0	74	233	367	486	453	346	101	0	0	2,061
2019	0	0	0	78	244	384	510	475	363	106	0	0	2,159
2020	0	0	0	82	256	403	534	498	380	111	0	0	2,264
2021	0	0	0	82	258	406	539	502	384	112	0	0	2,283
2022	0	0	0	83	260	410	543	507	387	113	0	0	2,303
2023	0	0	0	84	262	413	548	511	390	114	0	0	2,322
2024	0	0	0	84	265	417	553	515	394	115	0	0	2,343
2025	0	0	0	85	267	421	558	520	397	116	0	0	2,363
2026	0	0	0	86	269	424	563	525	401	117	0	0	2,385
2027	0	0	0	87	272	428	568	529	404	118	0	0	2,406
2028	0	0	0	87	274	432	573	534	408	119	0	0	2,428
2029	0	0	0	88	277	436	578	539	412	120	0	0	2,450
2030	0	0	0	89	279	440	584	544	415	121	0	0	2,473
2031	0	0	0	90	281	443	588	548	418	122	0	0	2,490
2032	0	0	0	90	283	446	591	551	421	123	0	0	2,506
2033	0	0	0	91	285	449	595	555	424	124	0	0	2,523
2034	0	0	0	91	287	452	600	559	427	124	0	0	2,540
2035	0	0	0	92	289	455	604	563	430	125	0	0	2,558
2036	0	0	0	93	291	458	608	567	433	126	0	0	2,575
2037	0	0	0	93	293	462	612	571	436	127	0	0	2,593
2038	0	0	0	94	295	465	616	574	439	128	0	0	2,611
2039	0	0	0	95	297	468	621	579	442	129	0	0	2,630
2040	0	0	0	95	299	471	625	583	445	130	0	0	2,648
2041	0	0	0	96	301	474	628	586	447	130	0	0	2,663
2042	0	0	0	96	303	477	632	589	450	131	0	0	2,677
2043	0	0	0	97	304	479	635	592	452	132	0	0	2,692
2044	0	0	0	97	306	482	639	596	455	133	0	0	2,707
2045	0	0	0	98	308	485	642	599	457	133	0	0	2,722
2046	0	0	0	99	309	487	646	602	460	134	0	0	2,737
2047	0	0	0	99	311	490	650	606	462	135	0	0	2,752
2048	0	0	0	100	313	493	653	609	465	136	0	0	2,768
2049	0	0	0	100	315	495	657	612	468	136	0	0	2,784
2050	0	0	0	101	316	498	661	616	470	137	0	0	2,799
2051	0	0	0	101	319	502	665	620	474	138	0	0	2,819
2052	0	0	0	102	321	505	670	625	477	139	0	0	2,840
2053	0	0	0	103	323	509	675	629	480	140	0	0	2,860
2054	0	0	0	104	326	513	680	634	484	141	0	0	2,881
2055	0	0	0	104	328	516	685	638	487	142	0	0	2,901
2056	0	0	0	105	330	520	690	643	491	143	0	0	2,923
2057	0	0	0	106	333	524	695	648	495	144	0	0	2,944
2058	0	0	0	107	335	528	700	652	498	145	0	0	2,965
2059	0	0	0	108	338	532	705	657	502	146	0	0	2,987
2060	0	0	0	108	340	536	710	662	506	147	0	0	3,009
2061	0	0	0	109	341	538	713	664	507	148	0	0	3,020
2062	0	0	0	109	343	540	715	667	509	149	0	0	3,031
2063	0	0	0	110	344	542	718	669	511	149	0	0	3,042
2064	0	0	0	110	345	543	721	672	513	150	0	0	3,053
1905	0	0	0	110	346	545	723	674	515	150	0	0	3,064

Mapleton Table 18

Mapleton													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	76	69	79	142	306	442	561	526	412	171	71	72	2,927
2018	84	76	87	154	330	475	602	564	443	185	78	80	3,158
2019	90	82	93	163	348	501	633	594	466	196	84	86	3,336
2020	97	88	100	173	368	528	667	626	492	208	90	92	3,529
2021	99	90	102	176	372	534	675	633	497	211	92	94	3,576
2022	101	91	104	179	377	541	682	640	503	214	94	96	3,623
2023	104	93	107	181	382	547	690	647	509	217	96	98	3,672
2024	106	96	109	184	387	554	698	655	515	220	99	101	3,722
2025	108	98	111	187	392	560	706	663	521	224	101	103	3,773
2026	111	100	114	190	397	567	714	670	527	227	103	105	3,826
2027	113	102	116	193	402	574	723	678	534	231	105	107	3,879
2028	116	104	119	197	408	581	731	687	540	234	108	110	3,934
2029	118	107	122	200	413	589	740	695	547	238	110	112	3,991
2030	121	109	125	203	419	596	749	703	554	242	113	115	4,048
2031	123	111	126	205	423	601	755	709	559	244	114	116	4,087
2032	124	112	128	208	427	607	762	715	564	247	116	118	4,127
2033	126	114	130	210	431	612	768	721	568	249	117	120	4,167
2034	128	115	132	212	435	617	775	728	573	252	119	122	4,208
2035	130	117	134	215	439	623	781	734	578	255	121	123	4,249
2036	132	119	136	217	443	628	788	740	583	257	123	125	4,291
2037	133	121	138	220	447	634	795	747	589	260	124	127	4,334
2038	135	122	140	222	451	640	802	753	594	263	126	129	4,377
2039	137	124	142	225	456	645	809	760	599	266	128	131	4,421
2040	139	126	144	227	460	651	816	766	605	269	130	132	4,465
2041	140	127	145	229	463	655	821	771	608	271	131	134	4,494
2042	142	128	146	230	466	659	826	776	612	272	132	135	4,524
2043	143	129	147	232	469	663	831	781	616	274	133	136	4,553
2044	144	130	148	234	472	668	836	785	620	276	134	137	4,583
2045	145	131	149	235	475	672	841	790	624	278	135	138	4,613
2046	146	132	151	237	478	676	846	795	627	280	136	139	4,644
2047	147	133	152	238	481	680	851	800	631	282	137	140	4,674
2048	149	134	153	240	484	684	857	805	635	284	138	141	4,705
2049	150	135	154	242	487	689	862	810	639	286	140	142	4,736
2050	151	136	156	244	491	693	867	815	643	288	141	143	4,768
2051	152	138	157	246	495	699	874	821	648	290	142	145	4,807
2052	154	139	159	248	499	704	881	828	654	293	144	146	4,847
2053	156	140	160	250	503	710	888	834	659	295	145	148	4,888
2054	157	142	162	252	507	715	895	841	664	298	146	149	4,929
2055	159	143	163	254	511	721	902	848	669	300	148	151	4,970
2056	160	145	165	257	515	727	909	854	675	303	149	152	5,011
2057	162	146	167	259	519	733	916	861	680	306	151	154	5,054
2058	163	148	168	261	524	739	924	868	686	308	152	155	5,096
2059	165	149	170	264	528	745	931	875	691	311	154	157	5,139
2060	167	151	172	266	532	751	938	882	697	314	155	158	5,183
2061	168	151	173	267	535	754	942	886	700	315	156	159	5,207
2062	169	152	174	269	537	757	946	889	703	317	157	160	5,231
2063	170	153	175	270	540	761	950	893	706	318	158	161	5,256
2064	171	154	176	271	542	764	954	897	709	320	159	162	5,280
1905	172	155	177	273	545	767	959	901	712	322	160	163	5,305

Mapleton Table 19

Mapleton													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2017	201	181	207	190	232	259	275	265	230	200	187	191	2,619
2018	191	173	197	181	221	247	262	252	219	191	178	182	2,494
2019	184	166	189	174	212	237	251	242	210	183	171	174	2,393
2020	175	158	181	166	202	226	240	231	201	175	163	166	2,284
2021	172	155	177	163	199	222	235	227	197	171	160	163	2,242
2022	169	152	174	160	195	218	231	222	193	168	157	160	2,199
2023	165	149	170	156	191	213	226	218	190	165	154	157	2,155
2024	162	146	167	153	187	209	222	213	186	161	151	154	2,110
2025	158	143	163	150	183	204	217	209	181	158	147	150	2,064
2026	155	140	159	146	178	200	212	204	177	154	144	147	2,016
2027	151	136	155	143	174	195	206	199	173	150	141	143	1,966
2028	147	133	151	139	170	190	201	194	168	147	137	140	1,916
2029	143	129	147	135	165	184	196	188	164	143	133	136	1,863
2030	139	125	143	131	160	179	190	183	159	138	129	132	1,810
2031	136	123	140	129	157	176	186	180	156	136	127	129	1,775
2032	133	121	138	126	154	172	183	176	153	133	124	127	1,740
2033	131	118	135	124	151	169	179	172	150	130	122	124	1,704
2034	128	115	132	121	148	165	175	169	147	128	119	122	1,667
2035	125	113	129	118	144	161	171	165	143	125	116	119	1,630
2036	122	110	126	115	141	158	167	161	140	122	114	116	1,592
2037	119	108	123	113	138	154	163	157	137	119	111	113	1,553
2038	116	105	120	110	134	150	159	153	133	116	108	110	1,514
2039	113	102	117	107	131	146	155	149	130	113	105	107	1,474
2040	110	99	113	104	127	142	150	145	126	110	102	104	1,433
2041	108	98	112	102	125	140	148	143	124	108	101	103	1,411
2042	107	96	110	101	123	137	146	140	122	106	99	101	1,389
2043	105	95	108	99	121	135	143	138	120	104	98	100	1,366
2044	103	93	106	97	119	133	141	136	118	103	96	98	1,343
2045	101	91	104	96	117	131	139	134	116	101	94	96	1,320
2046	99	90	103	94	115	128	136	131	114	99	93	95	1,297
2047	98	88	101	92	113	126	134	129	112	97	91	93	1,273
2048	96	87	99	91	111	124	131	126	110	96	89	91	1,250
2049	94	85	97	89	109	121	129	124	108	94	88	89	1,226
2050	92	83	95	87	106	119	126	122	106	92	86	88	1,202
2051	90	81	93	85	104	116	123	119	103	90	84	85	1,172
2052	88	79	90	83	101	113	120	116	100	87	82	83	1,143
2053	85	77	88	81	99	110	117	113	98	85	80	81	1,113
2054	83	75	86	79	96	107	114	110	95	83	77	79	1,083
2055	81	73	83	76	93	104	111	106	93	80	75	77	1,052
2056	78	71	81	74	90	101	107	103	90	78	73	74	1,021
2057	76	69	78	72	88	98	104	100	87	76	71	72	990
2058	74	66	76	70	85	95	101	97	84	73	69	70	959
2059	71	64	73	67	82	92	97	94	81	71	66	68	927
2060	69	62	71	65	79	89	94	90	79	68	64	65	894
2061	67	60	69	63	77	86	92	88	77	67	62	64	872
2062	65	59	67	62	75	84	89	86	75	65	61	62	849
2063	63	57	65	60	73	82	87	84	73	63	59	60	826
2064	62	56	63	58	71	79	84	81	71	61	57	59	803
2065	60	54	62	57	69	77	82	79	69	60	56	57	779

Mapleton Table 20

Mapleton													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	539	578	286	228	236	222	232	0	0	2,321
2017	0	0	5	585	663	1,014	620	652	135	167	0	0	3,840
2018	0	0	6	586	662	1,062	636	671	116	158	0	0	3,898
2019	0	0	6	590	668	1,125	669	706	107	152	0	0	4,023
2020	0	0	7	594	675	1,193	704	744	97	145	0	0	4,158
2021	0	0	7	595	677	1,219	716	757	92	142	0	0	4,206
2022	0	0	7	597	680	1,245	729	771	87	139	0	0	4,254
2023	0	0	7	598	682	1,271	742	785	82	136	0	0	4,305
2024	0	0	7	600	684	1,299	755	800	77	133	0	0	4,356
2025	0	0	8	638	801	1,507	1,007	1,036	242	180	0	0	5,418
2026	0	0	8	639	803	1,536	1,022	1,052	236	176	0	0	5,472
2027	0	0	8	641	805	1,566	1,036	1,068	231	173	0	0	5,527
2028	0	0	8	642	808	1,596	1,051	1,084	225	170	0	0	5,584
2029	0	0	8	644	811	1,628	1,066	1,100	219	166	0	0	5,642
2030	0	0	9	646	813	1,660	1,082	1,117	213	162	0	0	5,702
2031	0	0	9	647	815	1,680	1,091	1,128	208	160	0	0	5,738
2032	0	0	9	648	816	1,701	1,101	1,138	204	157	0	0	5,774
2033	0	0	9	649	817	1,722	1,111	1,149	199	155	0	0	5,811
2034	0	0	9	650	819	1,744	1,121	1,160	194	152	0	0	5,848
2035	0	0	10	651	820	1,765	1,131	1,171	190	149	0	0	5,886
2036	0	0	10	652	822	1,788	1,141	1,182	185	146	0	0	5,925
2037	0	0	10	653	823	1,810	1,151	1,193	179	143	0	0	5,964
2038	0	0	10	654	825	1,833	1,162	1,205	174	141	0	0	6,003
2039	0	0	10	655	826	1,856	1,172	1,217	169	138	0	0	6,044
2040	0	0	10	656	827	1,880	1,183	1,228	163	135	0	0	6,084
2041	0	0	10	657	828	1,892	1,188	1,234	160	133	0	0	6,102
2042	0	0	11	657	828	1,905	1,193	1,240	156	131	0	0	6,121
2043	0	0	11	658	828	1,917	1,198	1,245	152	129	0	0	6,139
2044	0	0	11	658	829	1,930	1,203	1,251	149	127	0	0	6,157
2045	0	0	11	659	829	1,942	1,208	1,257	145	125	0	0	6,176
2046	0	0	11	659	829	1,955	1,213	1,262	141	123	0	0	6,194
2047	0	0	11	660	830	1,968	1,218	1,268	137	121	0	0	6,213
2048	0	0	11	660	830	1,981	1,223	1,274	133	119	0	0	6,232
2049	0	0	11	661	830	1,994	1,229	1,280	129	117	0	0	6,251
2050	0	0	11	660	828	1,998	1,227	1,279	123	115	0	0	6,241
2051	0	0	11	658	821	1,986	1,211	1,265	112	112	0	0	6,176
2052	0	0	11	656	813	1,975	1,196	1,250	101	108	0	0	6,110
2053	0	0	11	653	806	1,963	1,180	1,235	89	105	0	0	6,043
2054	0	0	11	651	798	1,951	1,164	1,220	78	102	0	0	5,975
2055	0	0	11	648	790	1,938	1,148	1,205	67	98	0	0	5,907
2056	0	0	11	646	782	1,926	1,131	1,190	55	95	0	0	5,837
2057	0	0	11	643	775	1,914	1,115	1,175	43	92	0	0	5,767
2058	0	0	11	641	766	1,901	1,098	1,159	31	88	0	0	5,695
2059	0	0	11	638	758	1,888	1,081	1,143	19	85	0	0	5,623
2060	0	0	11	635	750	1,875	1,063	1,127	6	81	0	0	5,549
2061	0	0	11	633	744	1,865	1,051	1,115	-3	78	0	0	5,495
2062	0	0	11	631	738	1,855	1,038	1,103	-12	76	0	0	5,440
2063	0	0	11	629	731	1,845	1,024	1,090	-21	73	0	0	5,384
2064	0	0	11	627	725	1,835	1,011	1,078	-31	70	0	0	5,328
2065	0	0	11	625	719	1,825	998	1,066	-40	67	0	0	5,271

Mapleton Table 21

Mapleton													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	285	258	294	809	907	654	619	612	549	517	266	271	6,041
2017	201	181	212	775	895	1,274	895	917	365	367	187	191	6,460
2018	191	173	203	767	883	1,309	898	924	336	349	178	182	6,392
2019	184	166	195	764	880	1,362	920	948	317	335	171	174	6,416
2020	175	158	187	760	877	1,420	943	975	297	320	163	166	6,442
2021	172	155	184	758	876	1,441	952	984	289	314	160	163	6,448
2022	169	152	181	756	874	1,462	960	993	281	308	157	160	6,454
2023	165	149	177	755	873	1,485	968	1,003	272	301	154	157	6,460
2024	162	146	174	753	871	1,508	977	1,013	263	295	151	154	6,466
2025	158	143	171	787	983	1,711	1,224	1,245	423	337	147	150	7,481
2026	155	140	167	785	981	1,735	1,233	1,256	414	331	144	147	7,487
2027	151	136	163	783	980	1,760	1,243	1,266	404	323	141	143	7,493
2028	147	133	160	781	978	1,786	1,252	1,278	393	316	137	140	7,500
2029	143	129	156	779	976	1,812	1,262	1,289	383	308	133	136	7,506
2030	139	125	152	777	973	1,839	1,272	1,300	372	301	129	132	7,512
2031	136	123	149	775	972	1,856	1,278	1,307	364	295	127	129	7,513
2032	133	121	147	774	970	1,873	1,284	1,314	357	290	124	127	7,514
2033	131	118	144	772	968	1,891	1,290	1,321	349	285	122	124	7,515
2034	128	115	141	771	966	1,909	1,296	1,328	341	279	119	122	7,516
2035	125	113	138	769	965	1,927	1,302	1,336	333	274	116	119	7,516
2036	122	110	136	767	963	1,945	1,308	1,343	325	268	114	116	7,517
2037	119	108	133	766	961	1,964	1,314	1,350	316	262	111	113	7,517
2038	116	105	130	764	959	1,983	1,321	1,358	307	256	108	110	7,517
2039	113	102	127	762	957	2,002	1,327	1,366	299	250	105	107	7,518
2040	110	99	124	760	954	2,022	1,334	1,373	289	244	102	104	7,518
2041	108	98	122	759	953	2,032	1,336	1,377	284	241	101	103	7,513
2042	107	96	120	758	951	2,042	1,339	1,380	278	237	99	101	7,509
2043	105	95	119	757	949	2,052	1,341	1,383	272	233	98	100	7,505
2044	103	93	117	756	948	2,063	1,344	1,387	267	230	96	98	7,501
2045	101	91	115	755	946	2,073	1,347	1,390	261	226	94	96	7,496
2046	99	90	114	753	944	2,083	1,349	1,394	255	222	93	95	7,491
2047	98	88	112	752	943	2,094	1,352	1,397	249	219	91	93	7,486
2048	96	87	110	751	941	2,104	1,355	1,401	243	215	89	91	7,482
2049	94	85	108	750	939	2,115	1,357	1,404	237	211	88	89	7,476
2050	92	83	106	747	935	2,117	1,353	1,400	228	207	86	88	7,443
2051	90	81	104	743	925	2,102	1,334	1,383	215	201	84	85	7,348
2052	88	79	102	739	915	2,088	1,316	1,366	201	196	82	83	7,253
2053	85	77	99	734	904	2,073	1,297	1,348	187	190	80	81	7,156
2054	83	75	97	729	894	2,058	1,278	1,330	173	185	77	79	7,058
2055	81	73	95	725	884	2,043	1,258	1,312	159	179	75	77	6,959
2056	78	71	92	720	873	2,027	1,239	1,293	145	173	73	74	6,859
2057	76	69	90	715	862	2,012	1,219	1,275	130	167	71	72	6,757
2058	74	66	87	710	851	1,996	1,199	1,256	115	161	69	70	6,654
2059	71	64	85	705	840	1,980	1,178	1,237	100	155	66	68	6,549
2060	69	62	82	700	829	1,963	1,157	1,217	85	149	64	65	6,444
2061	67	60	80	697	821	1,951	1,142	1,203	74	145	62	64	6,367
2062	65	59	79	693	813	1,939	1,127	1,189	63	141	61	62	6,289
2063	63	57	77	689	804	1,927	1,111	1,174	51	136	59	60	6,210
2064	62	56	75	686	796	1,915	1,096	1,159	40	132	57	59	6,131
2065	60	54	73	682	788	1,903	1,080	1,144	28	127	56	57	6,051

Mapleton Table 22

Mapleton													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2017	209	189	216	198	241	270	286	276	240	209	195	199	2,727
2018	201	181	207	190	232	259	275	265	230	200	187	191	2,619
2019	194	175	200	184	224	251	266	256	223	194	181	185	2,533
2020	187	169	193	177	216	241	256	247	214	187	174	178	2,439
2021	184	166	190	174	213	238	252	243	211	184	172	175	2,403
2022	182	164	187	172	210	234	249	239	208	181	169	173	2,367
2023	179	161	184	169	206	231	245	236	205	178	166	170	2,329
2024	176	159	181	166	203	227	240	232	201	175	164	167	2,290
2025	173	156	178	163	199	223	236	228	198	172	161	164	2,250
2026	169	153	175	160	196	219	232	223	194	169	158	161	2,209
2027	166	150	171	157	192	214	228	219	191	166	155	158	2,167
2028	163	147	168	154	188	210	223	215	187	162	152	155	2,123
2029	159	144	164	151	184	206	218	210	183	159	149	152	2,079
2030	156	141	161	147	180	201	213	206	179	155	145	148	2,032
2031	154	139	158	145	177	198	210	203	176	153	143	146	2,003
2032	151	137	156	143	175	195	207	200	173	151	141	144	1,973
2033	149	135	153	141	172	192	204	196	171	149	139	142	1,942
2034	147	132	151	139	169	189	201	193	168	146	137	139	1,910
2035	144	130	148	136	166	186	197	190	165	144	134	137	1,878
2036	142	128	146	134	163	183	194	187	162	141	132	135	1,846
2037	139	126	143	131	161	179	190	183	159	139	130	132	1,813
2038	136	123	141	129	158	176	187	180	156	136	127	130	1,779
2039	134	121	138	127	154	173	183	177	153	133	125	127	1,745
2040	131	118	135	124	151	169	180	173	150	131	122	125	1,710
2041	130	117	134	123	150	167	178	171	149	129	121	123	1,691
2042	128	116	132	121	148	165	176	169	147	128	119	122	1,672
2043	127	114	131	120	146	164	174	167	145	126	118	120	1,652
2044	125	113	129	118	145	162	171	165	144	125	117	119	1,633
2045	124	112	128	117	143	160	169	163	142	123	115	118	1,613
2046	122	110	126	116	141	158	167	161	140	122	114	116	1,593
2047	121	109	124	114	139	156	165	159	138	120	112	115	1,573
2048	119	108	123	113	137	154	163	157	137	119	111	113	1,553
2049	118	106	121	111	136	152	161	155	135	117	110	112	1,532
2050	116	105	119	110	134	150	159	153	133	116	108	110	1,511
2051	114	103	117	108	132	147	156	150	131	114	106	108	1,486
2052	112	101	115	106	129	145	153	148	128	112	104	107	1,461
2053	110	99	113	104	127	142	151	145	126	110	103	105	1,436
2054	108	98	111	102	125	140	148	143	124	108	101	103	1,410
2055	106	96	109	100	122	137	145	140	122	106	99	101	1,383
2056	104	94	107	98	120	134	142	137	119	104	97	99	1,357
2057	102	92	105	96	118	132	140	135	117	102	95	97	1,330
2058	100	90	103	95	115	129	137	132	115	100	93	95	1,303
2059	98	88	101	93	113	126	134	129	112	98	91	93	1,276
2060	96	86	99	91	110	124	131	126	110	95	89	91	1,248
2061	94	85	97	89	109	122	129	124	108	94	88	90	1,229
2062	93	84	96	88	107	120	127	122	106	92	86	88	1,209
2063	91	82	94	86	105	118	125	120	105	91	85	87	1,189
2064	90	81	92	85	104	116	123	118	103	89	84	85	1,170
2065	88	80	91	83	102	114	121	116	101	88	82	84	1,150

Mapleton Table 23

Mapleton													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	539	578	286	228	236	222	232	0	0	2,321
2017	0	0	5	586	666	1,020	627	659	140	168	0	0	3,872
2018	0	0	6	590	675	1,083	663	696	135	164	0	0	4,012
2019	0	0	6	596	689	1,157	711	746	137	161	0	0	4,203
2020	0	0	7	603	704	1,238	763	799	139	157	0	0	4,410
2021	0	0	7	605	709	1,269	782	819	139	156	0	0	4,486
2022	0	0	7	608	715	1,300	802	839	139	155	0	0	4,564
2023	0	0	7	610	720	1,332	822	860	140	153	0	0	4,645
2024	0	0	7	613	726	1,365	843	881	140	152	0	0	4,728
2025	0	0	8	652	846	1,579	1,103	1,125	310	199	0	0	5,822
2026	0	0	8	655	852	1,614	1,125	1,148	310	198	0	0	5,909
2027	0	0	8	658	859	1,650	1,147	1,171	310	196	0	0	5,999
2028	0	0	8	661	865	1,686	1,171	1,195	310	194	0	0	6,091
2029	0	0	8	664	872	1,724	1,195	1,220	310	193	0	0	6,186
2030	0	0	9	667	879	1,764	1,219	1,245	311	191	0	0	6,284
2031	0	0	9	669	883	1,788	1,235	1,261	310	189	0	0	6,345
2032	0	0	9	671	887	1,814	1,250	1,277	310	188	0	0	6,407
2033	0	0	9	673	892	1,840	1,266	1,294	310	187	0	0	6,470
2034	0	0	9	675	896	1,866	1,283	1,311	310	185	0	0	6,534
2035	0	0	10	677	901	1,892	1,299	1,328	309	184	0	0	6,599
2036	0	0	10	679	905	1,920	1,316	1,345	309	183	0	0	6,666
2037	0	0	10	681	910	1,947	1,333	1,363	309	181	0	0	6,733
2038	0	0	10	683	915	1,975	1,350	1,381	308	180	0	0	6,802
2039	0	0	10	685	920	2,004	1,368	1,399	308	178	0	0	6,872
2040	0	0	10	687	924	2,033	1,386	1,417	308	177	0	0	6,943
2041	0	0	10	688	927	2,048	1,395	1,427	307	176	0	0	6,979
2042	0	0	11	690	929	2,064	1,404	1,436	306	175	0	0	7,015
2043	0	0	11	691	932	2,079	1,413	1,446	306	174	0	0	7,051
2044	0	0	11	692	934	2,095	1,423	1,456	305	173	0	0	7,088
2045	0	0	11	693	936	2,111	1,432	1,466	304	172	0	0	7,126
2046	0	0	11	694	939	2,127	1,442	1,476	304	171	0	0	7,163
2047	0	0	11	695	941	2,144	1,451	1,486	303	170	0	0	7,201
2048	0	0	11	697	944	2,160	1,461	1,496	302	169	0	0	7,239
2049	0	0	11	698	946	2,176	1,471	1,506	301	168	0	0	7,277
2050	0	0	11	698	946	2,184	1,474	1,509	299	166	0	0	7,288
2051	0	0	11	697	942	2,177	1,464	1,500	291	164	0	0	7,246
2052	0	0	11	695	937	2,169	1,454	1,491	284	162	0	0	7,203
2053	0	0	11	693	932	2,162	1,444	1,481	277	160	0	0	7,160
2054	0	0	11	692	927	2,154	1,433	1,472	270	158	0	0	7,117
2055	0	0	11	690	922	2,146	1,423	1,462	262	156	0	0	7,073
2056	0	0	11	689	917	2,138	1,412	1,452	255	153	0	0	7,028
2057	0	0	11	687	912	2,130	1,402	1,442	247	151	0	0	6,983
2058	0	0	11	685	907	2,122	1,391	1,432	240	149	0	0	6,937
2059	0	0	11	684	901	2,114	1,380	1,422	232	147	0	0	6,890
2060	0	0	11	682	896	2,105	1,369	1,411	224	144	0	0	6,843
2061	0	0	11	681	892	2,099	1,361	1,404	218	143	0	0	6,808
2062	0	0	11	679	888	2,093	1,352	1,396	212	141	0	0	6,773
2063	0	0	11	678	884	2,086	1,344	1,388	206	139	0	0	6,737
2064	0	0	11	677	880	2,080	1,335	1,380	200	137	0	0	6,701
2065	0	0	11	676	876	2,073	1,327	1,372	194	136	0	0	6,664

Mapleton Table 24

Mapleton													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	285	258	294	809	907	654	619	612	549	517	266	271	6,041
2017	209	189	221	784	908	1,290	914	935	380	377	195	199	6,599
2018	201	181	213	780	907	1,342	938	961	366	364	187	191	6,631
2019	194	175	206	780	913	1,408	977	1,002	360	354	181	185	6,736
2020	187	169	199	780	920	1,480	1,019	1,046	353	344	174	178	6,849
2021	184	166	197	780	922	1,507	1,035	1,062	350	340	172	175	6,889
2022	182	164	194	780	924	1,534	1,051	1,078	347	336	169	173	6,931
2023	179	161	191	779	927	1,563	1,067	1,095	344	331	166	170	6,974
2024	176	159	188	779	929	1,592	1,084	1,113	341	327	164	167	7,018
2025	173	156	185	815	1,045	1,801	1,339	1,353	507	372	161	164	8,072
2026	169	153	182	815	1,048	1,832	1,357	1,372	504	367	158	161	8,118
2027	166	150	179	815	1,051	1,864	1,375	1,391	501	362	155	158	8,166
2028	163	147	176	815	1,053	1,897	1,394	1,410	497	357	152	155	8,215
2029	159	144	173	814	1,056	1,930	1,413	1,430	493	352	149	152	8,265
2030	156	141	169	814	1,059	1,965	1,433	1,451	489	346	145	148	8,316
2031	154	139	167	814	1,060	1,987	1,445	1,464	486	343	143	146	8,347
2032	151	137	165	814	1,062	2,009	1,457	1,477	484	339	141	144	8,379
2033	149	135	163	813	1,064	2,032	1,470	1,490	481	335	139	142	8,412
2034	147	132	160	813	1,065	2,055	1,483	1,504	478	332	137	139	8,445
2035	144	130	158	813	1,067	2,078	1,496	1,518	475	328	134	137	8,478
2036	142	128	156	813	1,069	2,102	1,510	1,532	471	324	132	135	8,512
2037	139	126	153	812	1,071	2,127	1,523	1,546	468	320	130	132	8,546
2038	136	123	151	812	1,072	2,151	1,537	1,561	465	316	127	130	8,581
2039	134	121	148	812	1,074	2,177	1,551	1,575	461	312	125	127	8,617
2040	131	118	146	811	1,076	2,202	1,565	1,590	458	307	122	125	8,653
2041	130	117	144	811	1,077	2,216	1,572	1,598	456	305	121	123	8,670
2042	128	116	143	811	1,077	2,229	1,580	1,606	453	303	119	122	8,687
2043	127	114	141	811	1,078	2,243	1,587	1,613	451	300	118	120	8,704
2044	125	113	140	810	1,079	2,257	1,594	1,621	449	298	117	119	8,721
2045	124	112	138	810	1,079	2,271	1,602	1,629	446	295	115	118	8,739
2046	122	110	137	810	1,080	2,285	1,609	1,637	444	293	114	116	8,756
2047	121	109	135	809	1,081	2,299	1,617	1,645	441	290	112	115	8,774
2048	119	108	134	809	1,081	2,314	1,624	1,653	439	287	111	113	8,792
2049	118	106	132	809	1,082	2,328	1,632	1,661	436	285	110	112	8,810
2050	116	105	131	808	1,080	2,334	1,632	1,662	431	282	108	110	8,799
2051	114	103	129	804	1,073	2,324	1,620	1,650	422	278	106	108	8,732
2052	112	101	127	801	1,066	2,314	1,607	1,638	413	274	104	107	8,665
2053	110	99	125	798	1,059	2,304	1,594	1,626	403	270	103	105	8,596
2054	108	98	123	794	1,052	2,293	1,581	1,614	394	266	101	103	8,527
2055	106	96	121	791	1,045	2,283	1,568	1,602	384	261	99	101	8,456
2056	104	94	119	787	1,037	2,272	1,555	1,589	374	257	97	99	8,385
2057	102	92	117	784	1,030	2,262	1,541	1,577	364	253	95	97	8,313
2058	100	90	114	780	1,022	2,251	1,528	1,564	354	249	93	95	8,240
2059	98	88	112	776	1,014	2,240	1,514	1,551	344	244	91	93	8,166
2060	96	86	110	773	1,007	2,229	1,500	1,538	334	240	89	91	8,091
2061	94	85	109	770	1,001	2,221	1,490	1,528	326	237	88	90	8,037
2062	93	84	107	767	995	2,212	1,479	1,518	318	233	86	88	7,982
2063	91	82	105	764	989	2,204	1,469	1,508	311	230	85	87	7,926
2064	90	81	104	762	984	2,196	1,458	1,498	303	227	84	85	7,870
2065	88	80	102	759	978	2,187	1,447	1,488	295	224	82	84	7,814

Mapleton Table 25

Mapleton													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	285	258	294	270	329	368	391	376	327	285	266	271	3,720
2017	209	189	216	198	241	270	286	276	240	209	195	199	2,727
2018	201	182	207	190	232	260	276	265	231	201	188	191	2,624
2019	195	176	201	184	225	252	267	257	224	194	182	185	2,543
2020	188	170	194	178	217	243	258	248	216	188	175	179	2,455
2021	186	168	192	176	215	240	255	246	213	186	174	177	2,428
2022	184	166	190	174	212	237	252	243	211	184	171	175	2,399
2023	182	164	187	172	210	235	249	240	208	181	169	173	2,370
2024	180	162	185	170	207	232	246	237	206	179	167	171	2,341
2025	177	160	183	168	205	229	243	234	203	177	165	168	2,310
2026	175	158	180	165	202	226	239	231	200	174	163	166	2,279
2027	172	156	178	163	199	222	236	227	198	172	161	164	2,247
2028	170	153	175	161	196	219	232	224	195	169	158	161	2,214
2029	167	151	172	158	193	216	229	220	192	167	156	159	2,180
2030	165	149	170	156	190	212	225	217	189	164	153	156	2,145
2031	163	147	168	154	188	210	223	215	187	162	152	155	2,122
2032	161	145	166	152	186	208	220	212	185	161	150	153	2,100
2033	159	144	164	151	184	206	218	210	183	159	148	151	2,076
2034	157	142	162	149	182	203	216	208	180	157	147	150	2,053
2035	156	141	160	147	180	201	213	205	178	155	145	148	2,029
2036	154	139	158	145	177	198	210	203	176	153	143	146	2,005
2037	152	137	156	144	175	196	208	200	174	151	142	144	1,980
2038	150	135	155	142	173	193	205	198	172	150	140	142	1,955
2039	148	134	152	140	171	191	203	195	170	148	138	141	1,929
2040	146	132	150	138	169	188	200	193	167	146	136	139	1,903
2041	145	131	149	137	167	187	198	191	166	144	135	138	1,889
2042	144	130	148	136	166	185	197	190	165	143	134	137	1,874
2043	143	129	147	135	165	184	195	188	163	142	133	136	1,859
2044	141	128	146	134	163	183	194	187	162	141	132	134	1,844
2045	140	127	145	133	162	181	192	185	161	140	131	133	1,829
2046	139	126	143	132	161	180	190	183	159	139	130	132	1,814
2047	138	125	142	130	159	178	189	182	158	138	129	131	1,798
2048	137	124	141	129	158	176	187	180	157	136	127	130	1,783
2049	136	122	140	128	156	175	186	179	155	135	126	129	1,767
2050	134	121	138	127	155	173	184	177	154	134	125	128	1,752
2051	133	120	137	126	153	171	182	175	152	132	124	126	1,732
2052	131	119	135	124	152	169	180	173	151	131	122	125	1,712
2053	130	117	134	123	150	168	178	171	149	129	121	123	1,692
2054	128	116	132	121	148	166	176	169	147	128	120	122	1,672
2055	127	114	131	120	146	163	173	167	145	126	118	120	1,652
2056	125	113	129	118	144	161	171	165	143	125	117	119	1,631
2057	124	112	127	117	143	159	169	163	142	123	115	117	1,610
2058	122	110	126	115	141	157	167	161	140	122	114	116	1,589
2059	120	109	124	114	139	155	165	159	138	120	112	114	1,568
2060	119	107	122	112	137	153	162	156	136	118	111	113	1,547
2061	118	106	121	111	136	152	161	155	135	117	110	112	1,533
2062	117	105	120	110	135	150	160	154	134	116	109	111	1,520
2063	116	104	119	109	133	149	158	152	132	115	108	110	1,507
2064	115	103	118	108	132	148	157	151	131	114	107	109	1,493
2065	113	102	117	107	131	146	155	150	130	113	106	108	1,479

Mapleton Table 26

Mapleton													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	539	578	286	228	236	222	232	0	0	2,321
2017	0	0	5	586	666	1,020	627	659	140	168	0	0	3,872
2018	0	0	6	591	677	1,086	668	701	139	165	0	0	4,031
2019	0	0	6	598	693	1,165	721	755	144	163	0	0	4,244
2020	0	0	7	605	711	1,250	778	813	150	161	0	0	4,475
2021	0	0	7	609	720	1,286	805	840	156	161	0	0	4,584
2022	0	0	7	613	729	1,323	833	868	161	161	0	0	4,696
2023	0	0	7	616	739	1,362	862	896	168	161	0	0	4,811
2024	0	0	7	620	749	1,401	891	926	174	161	0	0	4,930
2025	0	0	8	661	873	1,621	1,159	1,178	350	211	0	0	6,062
2026	0	0	8	665	884	1,663	1,191	1,209	357	211	0	0	6,188
2027	0	0	8	669	895	1,706	1,223	1,242	364	212	0	0	6,318
2028	0	0	8	674	906	1,751	1,256	1,275	371	212	0	0	6,452
2029	0	0	8	678	918	1,796	1,290	1,309	378	212	0	0	6,591
2030	0	0	9	683	930	1,844	1,325	1,344	386	213	0	0	6,733
2031	0	0	9	686	937	1,874	1,348	1,366	391	213	0	0	6,823
2032	0	0	9	689	945	1,904	1,370	1,389	396	213	0	0	6,915
2033	0	0	9	692	953	1,935	1,393	1,412	400	213	0	0	7,009
2034	0	0	9	695	961	1,967	1,417	1,436	405	213	0	0	7,104
2035	0	0	10	698	969	2,000	1,441	1,460	410	214	0	0	7,201
2036	0	0	10	702	977	2,032	1,465	1,485	416	214	0	0	7,300
2037	0	0	10	705	986	2,066	1,490	1,510	421	214	0	0	7,401
2038	0	0	10	708	994	2,100	1,516	1,535	426	214	0	0	7,504
2039	0	0	10	712	1,003	2,135	1,542	1,561	432	214	0	0	7,609
2040	0	0	10	715	1,012	2,171	1,568	1,587	438	215	0	0	7,715
2041	0	0	10	717	1,016	2,189	1,581	1,601	440	214	0	0	7,769
2042	0	0	11	719	1,021	2,208	1,595	1,614	442	214	0	0	7,823
2043	0	0	11	721	1,025	2,227	1,608	1,628	445	214	0	0	7,878
2044	0	0	11	722	1,030	2,246	1,622	1,642	447	214	0	0	7,933
2045	0	0	11	724	1,034	2,265	1,636	1,656	449	214	0	0	7,989
2046	0	0	11	726	1,039	2,284	1,650	1,670	452	214	0	0	8,046
2047	0	0	11	728	1,043	2,304	1,664	1,684	454	214	0	0	8,103
2048	0	0	11	730	1,048	2,324	1,678	1,698	457	214	0	0	8,160
2049	0	0	11	732	1,053	2,344	1,693	1,713	459	214	0	0	8,218
2050	0	0	11	733	1,055	2,355	1,700	1,721	460	213	0	0	8,248
2051	0	0	11	732	1,053	2,352	1,696	1,716	457	212	0	0	8,228
2052	0	0	11	731	1,050	2,348	1,691	1,712	453	211	0	0	8,208
2053	0	0	11	730	1,048	2,344	1,686	1,707	450	210	0	0	8,188
2054	0	0	11	730	1,046	2,341	1,681	1,703	446	209	0	0	8,167
2055	0	0	11	729	1,043	2,337	1,676	1,698	443	208	0	0	8,146
2056	0	0	11	728	1,041	2,333	1,671	1,693	439	207	0	0	8,125
2057	0	0	11	727	1,039	2,330	1,666	1,689	436	206	0	0	8,104
2058	0	0	11	727	1,036	2,326	1,661	1,684	432	205	0	0	8,082
2059	0	0	11	726	1,034	2,322	1,656	1,679	428	204	0	0	8,060
2060	0	0	11	725	1,031	2,318	1,651	1,674	425	203	0	0	8,038
2061	0	0	11	725	1,030	2,316	1,648	1,672	423	202	0	0	8,027
2062	0	0	11	724	1,029	2,314	1,646	1,670	421	202	0	0	8,016
2063	0	0	11	724	1,027	2,312	1,643	1,667	419	201	0	0	8,005
2064	0	0	11	723	1,026	2,310	1,640	1,665	417	201	0	0	7,994
2065	0	0	11	723	1,025	2,308	1,638	1,662	415	200	0	0	7,983

Mapleton Table 27

Mapleton													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	285	258	294	809	907	654	619	612	549	517	266	271	6,041
2017	209	189	221	784	908	1,290	914	935	380	377	195	199	6,599
2018	201	182	213	781	909	1,346	943	966	369	365	188	191	6,655
2019	195	176	207	782	918	1,416	988	1,012	368	357	182	185	6,787
2020	188	170	201	783	928	1,493	1,036	1,062	366	348	175	179	6,930
2021	186	168	199	785	935	1,526	1,060	1,086	369	346	174	177	7,011
2022	184	166	197	787	942	1,561	1,085	1,111	372	344	171	175	7,095
2023	182	164	194	788	949	1,596	1,110	1,136	376	343	169	173	7,182
2024	180	162	192	790	956	1,633	1,137	1,163	380	340	167	171	7,271
2025	177	160	190	828	1,078	1,850	1,402	1,412	553	388	165	168	8,372
2026	175	158	188	830	1,086	1,889	1,430	1,440	557	386	163	166	8,467
2027	172	156	186	832	1,094	1,929	1,459	1,469	561	384	161	164	8,565
2028	170	153	183	834	1,102	1,970	1,488	1,499	566	381	158	161	8,666
2029	167	151	181	836	1,111	2,012	1,519	1,529	570	379	156	159	8,770
2030	165	149	178	838	1,120	2,056	1,551	1,561	575	377	153	156	8,878
2031	163	147	177	840	1,125	2,084	1,570	1,581	577	375	152	155	8,946
2032	161	145	175	841	1,131	2,112	1,591	1,602	580	374	150	153	9,015
2033	159	144	173	843	1,137	2,141	1,611	1,622	583	372	148	151	9,085
2034	157	142	172	844	1,142	2,170	1,633	1,644	586	370	147	150	9,157
2035	156	141	170	845	1,148	2,200	1,654	1,665	589	369	145	148	9,230
2036	154	139	168	847	1,155	2,231	1,676	1,687	592	367	143	146	9,305
2037	152	137	166	848	1,161	2,262	1,698	1,710	595	365	142	144	9,381
2038	150	135	165	850	1,167	2,294	1,721	1,733	598	364	140	142	9,459
2039	148	134	163	852	1,174	2,326	1,744	1,756	601	362	138	141	9,538
2040	146	132	161	853	1,180	2,359	1,768	1,780	605	360	136	139	9,619
2041	145	131	160	854	1,183	2,376	1,780	1,792	606	359	135	138	9,658
2042	144	130	159	855	1,186	2,393	1,792	1,804	607	358	134	137	9,697
2043	143	129	158	855	1,190	2,411	1,804	1,816	608	356	133	136	9,737
2044	141	128	157	856	1,193	2,428	1,816	1,828	609	355	132	134	9,777
2045	140	127	155	857	1,196	2,446	1,828	1,841	610	354	131	133	9,818
2046	139	126	154	858	1,199	2,464	1,841	1,853	611	353	130	132	9,859
2047	138	125	153	858	1,203	2,482	1,853	1,866	612	351	129	131	9,901
2048	137	124	152	859	1,206	2,500	1,866	1,879	614	350	127	130	9,943
2049	136	122	151	860	1,209	2,519	1,878	1,892	615	349	126	129	9,985
2050	134	121	150	860	1,210	2,529	1,884	1,898	614	347	125	128	10,000
2051	133	120	148	857	1,206	2,523	1,878	1,891	609	345	124	126	9,960
2052	131	119	147	855	1,202	2,518	1,871	1,885	604	342	122	125	9,920
2053	130	117	145	853	1,198	2,512	1,864	1,878	599	340	121	123	9,880
2054	128	116	144	851	1,194	2,506	1,857	1,872	593	337	120	122	9,839
2055	127	114	142	849	1,190	2,501	1,850	1,865	588	335	118	120	9,798
2056	125	113	140	846	1,185	2,495	1,843	1,858	583	332	117	119	9,756
2057	124	112	139	844	1,181	2,489	1,835	1,852	577	329	115	117	9,714
2058	122	110	137	842	1,177	2,483	1,828	1,845	572	327	114	116	9,672
2059	120	109	135	840	1,173	2,477	1,821	1,838	566	324	112	114	9,629
2060	119	107	134	837	1,168	2,471	1,813	1,831	561	321	111	113	9,585
2061	118	106	133	836	1,166	2,468	1,809	1,827	558	320	110	112	9,561
2062	117	105	132	834	1,163	2,464	1,805	1,823	555	318	109	111	9,537
2063	116	104	130	833	1,161	2,461	1,801	1,819	552	317	108	110	9,512
2064	115	103	129	832	1,158	2,458	1,797	1,816	548	315	107	109	9,487
2065	113	102	128	830	1,156	2,454	1,793	1,812	545	313	106	108	9,462

PAYSON

Explanation of Supply and Demand Tables – Payson City

Payson Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Payson Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Payson Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the City's existing corporate boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Payson Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Payson Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Payson Table 6: Reuse. The City currently has an approved reuse permit. The reuse volume is distributed by month based on a typical irrigation pattern.

Payson Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Payson Table 8: Spanish Fork River. The current available volume was estimated based on the allocation of river flows from the 1977 Spanish Fork River Commissioner Report. Spanish Fork River water rights held by the City and shares of Spanish Fork river companies currently owned by the City were also considered in the estimate. River companies share volumes were allocated to the City based on how the river companies' boundaries overlay the City. The 2065 volume was calculated based on anticipated future conversion of river companies shares from agricultural use to municipal use.

Payson Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records.

Spanish Fork River flows delivered from City -owned water rights and through the river companies are not included in these volumes but are included in Table 8. Irrigation share volumes were allocated to the City based on how the irrigation company boundaries overlay the City. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Payson Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Payson, the current indoor use per ERC was calculated to be 0.336 acre-feet per ERC (300 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Payson Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Payson, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Payson Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Payson Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. Indoor water use per ERC is assumed to remain at 300 gpd. This use rate is held constant throughout the period of study.

Payson Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table

11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Payson Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Payson Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Payson Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Payson Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Payson Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Payson Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Payson Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Payson Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Payson Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Payson Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Payson Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Payson Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish

Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Payson Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Payson Table 1

Payson Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2017	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2018	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2019	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2020	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2021	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2022	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2023	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2024	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2025	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2026	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2027	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2028	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2029	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2030	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2031	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2032	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2033	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2034	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2035	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2036	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2037	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2038	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2039	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2040	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2041	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2042	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2043	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2044	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2045	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2046	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2047	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2048	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2049	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2050	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2051	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2052	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2053	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2054	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2055	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2056	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2057	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2058	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2059	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2060	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2061	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2062	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2063	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2064	96	87	96	93	96	93	96	96	93	96	93	96	1,129
2065	96	87	96	93	96	93	96	96	93	96	93	96	1,129

Payson Table 2

Payson													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2026	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2027	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2028	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2029	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2030	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2031	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2032	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2033	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2034	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2035	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2036	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2037	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2038	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2039	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2040	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2041	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2042	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2043	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2044	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2045	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2046	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2047	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2048	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2049	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2050	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2051	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2052	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2053	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2054	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2055	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2056	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2057	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2058	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2059	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2060	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2061	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2062	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2063	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2064	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051
2065	0	0	0	182	571	899	1,192	1,111	849	247	0	0	5,051

Payson Table 3

Payson													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	144	426	1,005	869	846	390	110	0	0	3,790
2017	0	0	0	144	426	1,005	869	846	390	110	0	0	3,790
2018	0	0	0	150	444	1,047	906	881	406	114	0	0	3,950
2019	0	0	0	157	463	1,091	944	919	423	119	0	0	4,116
2020	0	0	0	163	483	1,137	984	957	441	124	0	0	4,289
2021	0	0	0	168	498	1,173	1,015	987	455	128	0	0	4,423
2022	0	0	0	174	513	1,210	1,047	1,018	469	132	0	0	4,562
2023	0	0	0	179	530	1,248	1,080	1,050	484	136	0	0	4,706
2024	0	0	0	185	546	1,287	1,113	1,083	499	140	0	0	4,853
2025	0	0	0	190	563	1,327	1,148	1,117	514	145	0	0	5,005
2026	0	0	0	196	581	1,369	1,184	1,152	531	149	0	0	5,162
2027	0	0	0	203	599	1,412	1,221	1,188	547	154	0	0	5,323
2028	0	0	0	209	618	1,456	1,259	1,225	564	159	0	0	5,490
2029	0	0	0	215	637	1,501	1,299	1,264	582	164	0	0	5,662
2030	0	0	0	222	657	1,548	1,339	1,303	600	169	0	0	5,838
2031	0	0	0	230	680	1,603	1,387	1,349	621	175	0	0	6,046
2032	0	0	0	238	704	1,660	1,436	1,397	643	181	0	0	6,260
2033	0	0	0	247	729	1,719	1,487	1,447	666	187	0	0	6,482
2034	0	0	0	255	755	1,780	1,540	1,498	690	194	0	0	6,711
2035	0	0	0	264	782	1,843	1,594	1,551	714	201	0	0	6,949
2036	0	0	0	274	810	1,908	1,651	1,606	739	208	0	0	7,195
2037	0	0	0	283	838	1,975	1,709	1,662	766	215	0	0	7,449
2038	0	0	0	293	868	2,045	1,769	1,721	793	223	0	0	7,712
2039	0	0	0	304	899	2,117	1,832	1,782	821	231	0	0	7,985
2040	0	0	0	315	930	2,192	1,896	1,845	850	239	0	0	8,267
2041	0	0	0	328	970	2,287	1,978	1,925	886	249	0	0	8,624
2042	0	0	0	342	1,012	2,385	2,064	2,008	925	260	0	0	8,997
2043	0	0	0	357	1,056	2,489	2,153	2,095	965	271	0	0	9,385
2044	0	0	0	373	1,102	2,596	2,246	2,185	1,006	283	0	0	9,790
2045	0	0	0	389	1,149	2,708	2,343	2,279	1,050	295	0	0	10,213
2046	0	0	0	405	1,199	2,825	2,444	2,377	1,095	308	0	0	10,653
2047	0	0	0	423	1,250	2,946	2,549	2,480	1,142	321	0	0	11,112
2048	0	0	0	441	1,304	3,073	2,659	2,587	1,191	335	0	0	11,591
2049	0	0	0	460	1,361	3,206	2,774	2,698	1,243	349	0	0	12,090
2050	0	0	0	480	1,419	3,344	2,893	2,814	1,296	364	0	0	12,611
2051	0	0	0	490	1,449	3,415	2,955	2,874	1,324	372	0	0	12,879
2052	0	0	0	501	1,480	3,487	3,017	2,935	1,352	380	0	0	13,153
2053	0	0	0	511	1,512	3,562	3,082	2,998	1,381	388	0	0	13,432
2054	0	0	0	522	1,544	3,637	3,147	3,062	1,410	396	0	0	13,718
2055	0	0	0	533	1,577	3,715	3,214	3,127	1,440	405	0	0	14,010
2056	0	0	0	544	1,610	3,794	3,282	3,193	1,470	413	0	0	14,307
2057	0	0	0	556	1,644	3,874	3,352	3,261	1,502	422	0	0	14,611
2058	0	0	0	568	1,679	3,957	3,423	3,330	1,534	431	0	0	14,922
2059	0	0	0	580	1,715	4,041	3,496	3,401	1,566	440	0	0	15,239
2060	0	0	0	591	1,748	4,118	3,563	3,466	1,596	449	0	0	15,529
2061	0	0	0	591	1,748	4,118	3,563	3,466	1,596	449	0	0	15,529
2062	0	0	0	591	1,748	4,118	3,563	3,466	1,596	449	0	0	15,529
2063	0	0	0	591	1,748	4,118	3,563	3,466	1,596	449	0	0	15,529
2064	0	0	0	591	1,748	4,118	3,563	3,466	1,596	449	0	0	15,529
2065	0	0	0	591	1,748	4,118	3,563	3,466	1,596	449	0	0	15,529

Payson Table 4

Payson													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2017	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2018	0	0	0	482	839	448	443	270	205	242	0	0	2,929
2019	0	0	1	485	845	454	448	274	207	243	0	0	2,957
2020	0	0	1	488	852	460	454	277	210	243	0	0	2,985
2021	0	0	2	490	856	465	458	280	212	244	0	0	3,008
2022	0	0	2	493	861	470	462	283	215	245	0	0	3,030
2023	0	0	3	495	866	475	467	286	217	246	0	0	3,054
2024	0	0	3	498	872	480	472	289	219	246	0	0	3,079
2025	0	0	3	501	877	485	477	292	222	247	0	0	3,104
2026	0	0	4	503	883	491	482	295	224	248	0	0	3,130
2027	0	0	4	506	888	496	487	298	227	249	0	0	3,156
2028	0	0	5	509	894	502	492	302	230	249	0	0	3,184
2029	0	0	5	512	900	508	498	305	233	250	0	0	3,212
2030	0	0	6	516	907	514	504	309	236	251	0	0	3,241
2031	0	0	6	519	914	521	510	313	239	252	0	0	3,275
2032	0	0	7	523	922	529	517	318	242	253	0	0	3,311
2033	0	0	7	527	930	537	524	322	246	254	0	0	3,348
2034	0	0	8	531	938	544	532	327	250	255	0	0	3,385
2035	0	0	9	536	946	553	539	332	254	257	0	0	3,425
2036	0	0	9	540	955	561	547	337	258	258	0	0	3,465
2037	0	0	10	545	964	570	555	342	262	259	0	0	3,507
2038	0	0	11	549	973	579	564	347	266	260	0	0	3,551
2039	0	0	12	554	983	589	573	353	271	262	0	0	3,596
2040	0	0	12	559	993	599	582	359	275	263	0	0	3,642
2041	0	0	13	566	1,006	611	593	366	281	265	0	0	3,701
2042	0	0	14	573	1,019	624	605	374	287	267	0	0	3,763
2043	0	0	15	580	1,033	637	618	382	294	269	0	0	3,827
2044	0	0	16	587	1,048	652	631	390	300	271	0	0	3,894
2045	0	0	18	550	985	625	604	374	289	250	0	0	3,694
2046	0	0	19	512	920	598	576	357	276	229	0	0	3,486
2047	0	0	20	472	853	569	546	340	263	207	0	0	3,269
2048	0	0	21	430	782	539	516	321	250	184	0	0	3,043
2049	0	0	23	429	782	547	523	326	254	181	0	0	3,065
2050	0	0	24	438	801	565	540	337	263	184	0	0	3,151
2051	0	0	25	443	810	574	548	342	267	185	0	0	3,195
2052	0	0	26	448	820	584	557	348	271	187	0	0	3,240
2053	0	0	26	453	830	594	566	353	276	188	0	0	3,287
2054	0	0	27	458	840	604	575	359	281	189	0	0	3,334
2055	0	0	28	464	851	614	585	365	285	191	0	0	3,382
2056	0	0	29	469	861	624	594	371	290	192	0	0	3,431
2057	0	0	30	474	872	635	604	378	295	194	0	0	3,481
2058	0	0	31	480	883	645	614	384	300	195	0	0	3,533
2059	0	0	31	486	894	657	624	390	306	197	0	0	3,585
2060	0	0	32	491	905	667	634	396	310	198	0	0	3,633
2061	0	0	32	491	905	667	634	396	310	198	0	0	3,633
2062	0	0	32	491	905	667	634	396	310	198	0	0	3,633
2063	0	0	32	491	905	667	634	396	310	198	0	0	3,633
2064	0	0	32	491	905	667	634	396	310	198	0	0	3,633
2065	0	0	32	491	905	667	634	396	310	198	0	0	3,633

Payson Table 5

Payson													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2017	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2018	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2019	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2020	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2021	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2022	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2023	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2024	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2025	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2026	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2027	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2028	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2029	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2030	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2031	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2032	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2033	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2034	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2035	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2036	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2037	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2038	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2039	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2040	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2041	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2042	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2043	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2044	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2045	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2046	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2047	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2048	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2049	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2050	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2051	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2052	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2053	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2054	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2055	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2056	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2057	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2058	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2059	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2060	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2061	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2062	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2063	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2064	152	138	157	144	176	197	208	201	175	152	142	145	1,986
2065	152	138	157	144	176	197	208	201	175	152	142	145	1,986

Payson Table 6

Payson													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	31	98	154	204	190	145	42	0	0	864
2018	0	0	0	37	117	185	245	229	174	51	0	0	1,039
2019	0	0	0	44	137	216	286	267	204	59	0	0	1,213
2020	0	0	0	50	157	247	328	305	233	68	0	0	1,388
2021	0	0	0	56	177	278	369	344	263	77	0	0	1,563
2022	0	0	0	63	196	309	410	382	292	85	0	0	1,737
2023	0	0	0	69	216	340	451	421	321	94	0	0	1,912
2024	0	0	0	75	236	371	492	459	351	102	0	0	2,087
2025	0	0	0	81	256	403	534	497	380	111	0	0	2,261
2026	0	0	0	88	275	434	575	536	409	119	0	0	2,436
2027	0	0	0	94	295	465	616	574	439	128	0	0	2,611
2028	0	0	0	100	315	496	657	613	468	136	0	0	2,785
2029	0	0	0	107	334	527	699	651	497	145	0	0	2,960
2030	0	0	0	113	354	558	740	690	527	154	0	0	3,135
2031	0	0	0	119	374	589	781	728	556	162	0	0	3,309
2032	0	0	0	125	394	620	822	766	585	171	0	0	3,484
2033	0	0	0	132	413	651	863	805	615	179	0	0	3,659
2034	0	0	0	138	433	682	905	843	644	188	0	0	3,833
2035	0	0	0	144	453	713	946	882	673	196	0	0	4,008
2036	0	0	0	151	473	745	987	920	703	205	0	0	4,183
2037	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2038	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2039	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2040	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2041	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2042	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2043	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2044	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2045	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2046	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2047	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2048	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2049	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2050	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2051	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2052	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2053	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2054	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2055	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2056	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2057	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2058	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2059	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2060	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2061	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2062	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2063	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2064	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532
2065	0	0	0	163	512	807	1,070	997	761	222	0	0	4,532

Payson Table 7

Payson													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	8	7	8	7	9	10	11	10	9	8	7	7	102
2019	16	14	16	15	18	21	22	21	18	16	15	15	208
2020	24	22	25	23	28	31	33	32	28	24	23	23	318
2021	31	28	32	29	36	40	42	41	36	31	29	29	404
2022	38	34	39	36	44	49	52	50	43	38	35	36	493
2023	45	40	46	42	52	58	61	59	51	45	42	43	584
2024	52	47	54	49	60	67	71	69	60	52	48	49	678
2025	59	54	61	56	69	77	81	78	68	59	55	56	775
2026	67	61	69	63	77	87	92	88	77	67	63	64	875
2027	75	68	77	71	87	97	103	99	86	75	70	71	978
2028	83	75	86	79	96	107	114	110	95	83	77	79	1,084
2029	92	83	94	87	106	118	125	121	105	91	85	87	1,193
2030	100	90	103	95	116	129	137	132	115	100	93	95	1,306
2031	110	100	114	104	127	142	151	145	126	110	103	105	1,438
2032	121	109	124	114	139	156	165	159	138	120	113	115	1,575
2033	132	119	136	124	152	170	180	174	151	131	123	125	1,716
2034	143	129	147	135	165	184	196	188	164	142	133	136	1,863
2035	154	140	159	146	178	199	212	204	177	154	144	147	2,014
2036	167	150	172	157	192	215	228	220	191	166	155	158	2,171
2037	179	162	184	169	207	231	245	236	205	178	167	170	2,333
2038	192	173	198	181	221	248	263	253	220	191	179	182	2,501
2039	205	185	211	194	237	265	281	271	235	205	191	195	2,675
2040	219	198	226	207	253	283	300	289	251	218	204	208	2,855
2041	236	214	244	224	273	305	324	312	271	236	220	225	3,082
2042	255	230	262	241	294	329	349	336	292	254	237	242	3,320
2043	274	247	282	259	316	353	375	361	314	273	255	260	3,568
2044	293	265	302	277	339	379	402	387	336	293	273	279	3,826
2045	314	284	324	297	363	405	430	414	360	313	293	299	4,095
2046	336	303	346	317	387	433	460	443	385	335	313	319	4,376
2047	358	323	369	339	413	462	490	472	410	357	334	340	4,669
2048	382	345	393	361	440	492	522	503	437	380	356	363	4,974
2049	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2050	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2051	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2052	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2053	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2054	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2055	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2056	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2057	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2058	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2059	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2060	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2061	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2062	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2063	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2064	386	349	398	365	446	498	529	509	443	385	360	367	5,035
2065	386	349	398	365	446	498	529	509	443	385	360	367	5,035

Payson Table 8

Payson													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	3	6	6	5	3	3	1	0	0	26
2019	0	0	1	6	12	11	10	7	5	2	0	0	54
2020	0	0	1	9	18	17	16	10	8	2	0	0	82
2021	0	0	2	11	23	22	20	13	10	3	0	0	105
2022	0	0	2	14	28	27	25	16	13	4	0	0	128
2023	0	0	3	17	33	32	30	19	15	5	0	0	151
2024	0	0	3	19	38	37	34	22	17	5	0	0	176
2025	0	0	3	22	43	42	39	25	20	6	0	0	201
2026	0	0	4	25	49	48	44	28	23	7	0	0	227
2027	0	0	4	28	55	53	49	31	25	8	0	0	253
2028	0	0	5	31	61	59	55	35	28	8	0	0	281
2029	0	0	5	34	67	65	60	38	31	9	0	0	309
2030	0	0	6	37	73	71	66	42	34	10	0	0	338
2031	0	0	6	41	80	78	73	46	37	11	0	0	373
2032	0	0	7	45	88	86	80	51	41	12	0	0	408
2033	0	0	7	49	96	94	87	55	44	13	0	0	445
2034	0	0	8	53	104	102	94	60	48	14	0	0	483
2035	0	0	9	57	113	110	102	65	52	16	0	0	522
2036	0	0	9	61	121	118	110	70	56	17	0	0	562
2037	0	0	10	66	130	127	118	75	60	18	0	0	604
2038	0	0	11	71	140	136	126	80	64	19	0	0	648
2039	0	0	12	76	149	146	135	86	69	21	0	0	693
2040	0	0	12	81	160	156	144	92	73	22	0	0	739
2041	0	0	13	87	172	168	156	99	79	24	0	0	798
2042	0	0	14	94	186	181	168	107	85	26	0	0	860
2043	0	0	15	101	199	195	180	115	92	28	0	0	924
2044	0	0	16	108	214	209	193	123	98	30	0	0	991
2045	0	0	18	116	229	223	207	132	105	32	0	0	1,061
2046	0	0	19	124	245	239	221	141	113	34	0	0	1,134
2047	0	0	20	132	261	255	236	150	120	36	0	0	1,209
2048	0	0	21	141	278	271	251	160	128	38	0	0	1,289
2049	0	0	23	150	296	289	268	170	136	41	0	0	1,371
2050	0	0	24	159	314	307	284	181	145	43	0	0	1,457
2051	0	0	25	164	324	316	293	186	149	45	0	0	1,501
2052	0	0	26	169	334	326	302	192	154	46	0	0	1,546
2053	0	0	26	174	344	335	311	198	158	47	0	0	1,593
2054	0	0	27	179	354	345	320	203	163	49	0	0	1,640
2055	0	0	28	184	364	355	329	209	168	50	0	0	1,688
2056	0	0	29	190	375	366	339	215	173	52	0	0	1,737
2057	0	0	30	195	386	376	349	222	177	53	0	0	1,787
2058	0	0	31	201	397	387	359	228	183	55	0	0	1,839
2059	0	0	31	206	408	398	369	235	188	56	0	0	1,891
2060	0	0	32	212	418	408	378	241	193	58	0	0	1,939
2061	0	0	32	212	418	408	378	241	193	58	0	0	1,939
2062	0	0	32	212	418	408	378	241	193	58	0	0	1,939
2063	0	0	32	212	418	408	378	241	193	58	0	0	1,939
2064	0	0	32	212	418	408	378	241	193	58	0	0	1,939
2065	0	0	32	212	418	408	378	241	193	58	0	0	1,939

Payson Table 9

Payson													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2017	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2018	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2019	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2020	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2021	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2022	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2023	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2024	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2025	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2026	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2027	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2028	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2029	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2030	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2031	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2032	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2033	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2034	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2035	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2036	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2037	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2038	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2039	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2040	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2041	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2042	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2043	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2044	0	0	0	479	834	443	437	267	202	241	0	0	2,903
2045	0	0	0	434	756	402	397	242	183	219	0	0	2,634
2046	0	0	0	388	676	359	355	216	164	195	0	0	2,353
2047	0	0	0	340	592	314	310	190	143	171	0	0	2,060
2048	0	0	0	289	504	268	264	161	122	146	0	0	1,755
2049	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2050	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2051	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2052	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2053	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2054	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2055	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2056	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2057	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2058	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2059	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2060	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2061	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2062	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2063	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2064	0	0	0	279	487	258	255	156	118	141	0	0	1,694
2065	0	0	0	279	487	258	255	156	118	141	0	0	1,694

Payson Table 10

Payson													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	314	283	323	297	362	405	429	414	360	313	292	298	4,090
2018	327	295	336	309	377	421	447	431	374	326	304	310	4,257
2019	340	307	350	321	392	439	465	448	390	339	317	323	4,431
2020	354	320	365	335	408	457	484	467	406	353	330	336	4,613
2021	365	329	376	345	421	471	499	481	418	364	340	347	4,754
2022	376	339	387	355	434	485	514	496	431	375	350	357	4,900
2023	387	350	399	366	447	500	530	511	444	386	361	368	5,050
2024	399	361	411	377	461	515	546	526	458	398	372	379	5,204
2025	411	372	424	389	475	531	563	543	472	410	383	391	5,364
2026	424	383	437	401	489	547	581	559	486	423	395	403	5,528
2027	437	395	450	413	504	564	598	576	501	436	407	415	5,698
2028	450	407	464	426	520	581	617	594	516	449	420	428	5,872
2029	464	419	478	439	536	599	636	612	532	463	433	441	6,052
2030	478	432	493	452	552	617	655	631	548	477	446	455	6,238
2031	495	447	510	468	572	639	678	653	568	494	461	471	6,455
2032	512	463	528	484	591	661	701	676	587	511	477	487	6,680
2033	530	479	546	501	612	684	726	699	608	529	494	504	6,912
2034	549	496	565	519	633	708	751	724	629	547	511	521	7,153
2035	568	513	585	537	655	733	777	749	651	566	529	540	7,402
2036	588	531	606	556	678	758	804	775	673	586	548	558	7,660
2037	608	549	627	575	702	785	832	802	697	606	567	578	7,927
2038	629	568	648	595	726	812	861	830	721	627	586	598	8,203
2039	651	588	671	616	752	840	891	859	746	649	607	619	8,489
2040	674	608	694	637	778	869	922	889	772	672	628	640	8,784
2041	703	634	724	664	811	907	962	927	805	701	655	668	9,159
2042	733	662	755	693	846	945	1,003	966	840	730	683	696	9,550
2043	764	690	787	722	882	986	1,046	1,007	875	762	712	726	9,957
2044	796	719	821	753	919	1,028	1,090	1,050	913	794	742	757	10,382
2045	830	750	856	785	958	1,071	1,137	1,095	952	828	774	789	10,825
2046	866	782	892	819	999	1,117	1,185	1,142	992	863	807	823	11,287
2047	903	815	930	854	1,042	1,165	1,236	1,190	1,035	900	841	858	11,768
2048	941	850	970	890	1,086	1,215	1,288	1,241	1,079	939	877	894	12,271
2049	981	886	1,011	928	1,133	1,266	1,343	1,294	1,125	979	914	933	12,794
2050	1,023	924	1,054	968	1,181	1,320	1,401	1,349	1,173	1,020	953	972	13,340
2051	1,045	944	1,077	988	1,206	1,348	1,430	1,378	1,198	1,042	974	993	13,621
2052	1,067	963	1,099	1,009	1,231	1,377	1,460	1,407	1,223	1,064	994	1,014	13,908
2053	1,089	984	1,123	1,030	1,257	1,406	1,491	1,437	1,249	1,086	1,015	1,035	14,202
2054	1,112	1,005	1,146	1,052	1,284	1,435	1,523	1,467	1,275	1,109	1,036	1,057	14,501
2055	1,136	1,026	1,170	1,074	1,311	1,466	1,555	1,498	1,302	1,133	1,058	1,079	14,807
2056	1,160	1,047	1,195	1,097	1,339	1,497	1,588	1,529	1,329	1,156	1,081	1,102	15,119
2057	1,184	1,069	1,220	1,120	1,367	1,528	1,621	1,562	1,357	1,181	1,103	1,125	15,438
2058	1,209	1,092	1,246	1,143	1,396	1,560	1,655	1,595	1,386	1,206	1,127	1,149	15,764
2059	1,235	1,115	1,272	1,167	1,425	1,593	1,690	1,628	1,415	1,231	1,150	1,173	16,096
2060	1,261	1,139	1,299	1,192	1,455	1,627	1,726	1,663	1,445	1,257	1,175	1,198	16,435
2061	1,291	1,166	1,331	1,221	1,491	1,667	1,768	1,703	1,480	1,288	1,203	1,227	16,837
2062	1,323	1,195	1,364	1,251	1,527	1,707	1,811	1,745	1,517	1,319	1,233	1,257	17,249
2063	1,355	1,224	1,397	1,282	1,565	1,749	1,856	1,788	1,554	1,352	1,263	1,288	17,671
2064	1,389	1,254	1,431	1,313	1,603	1,792	1,901	1,831	1,592	1,385	1,294	1,320	18,103
2065	1,423	1,285	1,466	1,345	1,642	1,836	1,947	1,876	1,631	1,418	1,326	1,352	18,546

Payson Table 11

Payson													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	167	525	826	1,096	1,021	780	227	0	0	4,642
2018	0	0	0	172	541	852	1,129	1,052	804	234	0	0	4,784
2019	0	0	0	178	557	878	1,164	1,085	829	242	0	0	4,932
2020	0	0	0	183	575	905	1,200	1,119	854	249	0	0	5,086
2021	0	0	0	187	588	927	1,229	1,146	875	255	0	0	5,208
2022	0	0	0	192	603	949	1,259	1,174	896	261	0	0	5,334
2023	0	0	0	197	617	973	1,290	1,202	918	268	0	0	5,465
2024	0	0	0	202	633	997	1,321	1,232	941	274	0	0	5,599
2025	0	0	0	207	648	1,021	1,354	1,262	964	281	0	0	5,738
2026	0	0	0	212	665	1,047	1,388	1,294	988	288	0	0	5,882
2027	0	0	0	217	681	1,073	1,423	1,327	1,013	295	0	0	6,030
2028	0	0	0	223	699	1,101	1,459	1,360	1,039	303	0	0	6,183
2029	0	0	0	228	717	1,129	1,496	1,395	1,065	311	0	0	6,341
2030	0	0	0	234	735	1,158	1,535	1,431	1,093	319	0	0	6,504
2031	0	0	0	241	756	1,192	1,580	1,473	1,125	328	0	0	6,694
2032	0	0	0	248	779	1,227	1,626	1,516	1,158	338	0	0	6,891
2033	0	0	0	255	802	1,263	1,675	1,561	1,192	348	0	0	7,096
2034	0	0	0	263	826	1,301	1,725	1,608	1,228	358	0	0	7,308
2035	0	0	0	271	851	1,340	1,776	1,656	1,265	369	0	0	7,527
2036	0	0	0	279	876	1,380	1,830	1,706	1,303	380	0	0	7,755
2037	0	0	0	288	903	1,422	1,886	1,758	1,343	392	0	0	7,991
2038	0	0	0	296	931	1,466	1,944	1,812	1,384	404	0	0	8,236
2039	0	0	0	306	959	1,511	2,004	1,868	1,426	416	0	0	8,490
2040	0	0	0	315	989	1,558	2,066	1,926	1,471	429	0	0	8,753
2041	0	0	0	327	1,026	1,617	2,144	1,998	1,526	445	0	0	9,084
2042	0	0	0	339	1,066	1,678	2,225	2,075	1,584	462	0	0	9,430
2043	0	0	0	352	1,106	1,743	2,311	2,154	1,645	480	0	0	9,791
2044	0	0	0	366	1,149	1,810	2,400	2,237	1,708	498	0	0	10,168
2045	0	0	0	380	1,194	1,880	2,493	2,324	1,774	518	0	0	10,562
2046	0	0	0	395	1,240	1,953	2,590	2,414	1,844	538	0	0	10,974
2047	0	0	0	411	1,289	2,030	2,691	2,509	1,916	559	0	0	11,404
2048	0	0	0	427	1,339	2,110	2,797	2,608	1,991	581	0	0	11,853
2049	0	0	0	444	1,392	2,193	2,908	2,711	2,070	604	0	0	12,322
2050	0	0	0	461	1,448	2,281	3,024	2,819	2,153	628	0	0	12,813
2051	0	0	0	471	1,478	2,328	3,086	2,877	2,197	641	0	0	13,077
2052	0	0	0	481	1,508	2,376	3,150	2,936	2,242	654	0	0	13,347
2053	0	0	0	490	1,540	2,425	3,215	2,997	2,289	668	0	0	13,624
2054	0	0	0	501	1,571	2,475	3,282	3,060	2,336	681	0	0	13,907
2055	0	0	0	511	1,604	2,527	3,350	3,123	2,385	696	0	0	14,196
2056	0	0	0	522	1,638	2,580	3,420	3,188	2,435	710	0	0	14,493
2057	0	0	0	533	1,672	2,634	3,492	3,255	2,486	725	0	0	14,795
2058	0	0	0	544	1,707	2,689	3,565	3,323	2,538	740	0	0	15,105
2059	0	0	0	555	1,743	2,745	3,640	3,393	2,591	756	0	0	15,422
2060	0	0	0	567	1,779	2,803	3,716	3,464	2,645	772	0	0	15,746
2061	0	0	0	581	1,822	2,870	3,806	3,548	2,709	790	0	0	16,126
2062	0	0	0	595	1,866	2,940	3,898	3,634	2,775	809	0	0	16,516
2063	0	0	0	609	1,912	3,011	3,992	3,722	2,842	829	0	0	16,917
2064	0	0	0	624	1,958	3,084	4,089	3,812	2,911	849	0	0	17,328
1905	0	0	0	639	2,006	3,159	4,189	3,905	2,982	870	0	0	17,749

Payson Table 12

Payson													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	314	283	323	464	887	1,231	1,525	1,435	1,139	540	292	298	8,732
2018	327	295	336	481	917	1,273	1,576	1,483	1,178	560	304	310	9,041
2019	340	307	350	499	950	1,316	1,629	1,533	1,218	581	317	323	9,363
2020	354	320	365	518	983	1,362	1,685	1,585	1,260	602	330	336	9,698
2021	365	329	376	532	1,009	1,398	1,728	1,627	1,293	619	340	347	9,962
2022	376	339	387	547	1,037	1,434	1,773	1,669	1,327	636	350	357	10,234
2023	387	350	399	563	1,065	1,473	1,820	1,713	1,362	654	361	368	10,514
2024	399	361	411	579	1,094	1,512	1,868	1,758	1,398	672	372	379	10,804
2025	411	372	424	596	1,123	1,552	1,917	1,805	1,436	691	383	391	11,102
2026	424	383	437	613	1,154	1,594	1,969	1,853	1,474	711	395	403	11,410
2027	437	395	450	630	1,186	1,637	2,021	1,903	1,514	731	407	415	11,728
2028	450	407	464	648	1,219	1,682	2,076	1,954	1,555	752	420	428	12,055
2029	464	419	478	667	1,252	1,728	2,132	2,007	1,597	774	433	441	12,393
2030	478	432	493	687	1,287	1,775	2,190	2,062	1,641	796	446	455	12,742
2031	495	447	510	709	1,328	1,831	2,258	2,126	1,692	822	461	471	13,149
2032	512	463	528	733	1,370	1,888	2,328	2,192	1,745	849	477	487	13,571
2033	530	479	546	757	1,414	1,947	2,400	2,260	1,800	876	494	504	14,008
2034	549	496	565	782	1,459	2,009	2,476	2,331	1,857	905	511	521	14,461
2035	568	513	585	808	1,506	2,073	2,554	2,405	1,915	935	529	540	14,930
2036	588	531	606	835	1,555	2,139	2,635	2,481	1,976	966	548	558	15,415
2037	608	549	627	863	1,605	2,207	2,718	2,560	2,039	998	567	578	15,918
2038	629	568	648	891	1,657	2,278	2,805	2,642	2,105	1,031	586	598	16,439
2039	651	588	671	921	1,711	2,351	2,895	2,726	2,173	1,065	607	619	16,979
2040	674	608	694	952	1,767	2,428	2,988	2,814	2,243	1,101	628	640	17,537
2041	703	634	724	991	1,837	2,524	3,106	2,925	2,331	1,146	655	668	18,243
2042	733	662	755	1,032	1,911	2,624	3,228	3,041	2,424	1,192	683	696	18,980
2043	764	690	787	1,075	1,988	2,728	3,356	3,161	2,520	1,241	712	726	19,748
2044	796	719	821	1,119	2,068	2,838	3,490	3,287	2,621	1,292	742	757	20,550
2045	830	750	856	1,165	2,152	2,952	3,629	3,419	2,726	1,345	774	789	21,387
2046	866	782	892	1,214	2,239	3,071	3,775	3,556	2,836	1,401	807	823	22,261
2047	903	815	930	1,264	2,331	3,195	3,927	3,699	2,951	1,459	841	858	23,172
2048	941	850	970	1,317	2,426	3,324	4,086	3,849	3,070	1,519	877	894	24,124
2049	981	886	1,011	1,372	2,525	3,460	4,252	4,005	3,195	1,582	914	933	25,116
2050	1,023	924	1,054	1,429	2,629	3,601	4,425	4,168	3,325	1,648	953	972	26,153
2051	1,045	944	1,077	1,459	2,684	3,676	4,516	4,255	3,395	1,683	974	993	26,698
2052	1,067	963	1,099	1,489	2,740	3,753	4,610	4,343	3,465	1,718	994	1,014	27,256
2053	1,089	984	1,123	1,520	2,797	3,831	4,707	4,434	3,537	1,754	1,015	1,035	27,826
2054	1,112	1,005	1,146	1,552	2,855	3,911	4,805	4,526	3,611	1,791	1,036	1,057	28,408
2055	1,136	1,026	1,170	1,585	2,915	3,993	4,905	4,621	3,687	1,828	1,058	1,079	29,004
2056	1,160	1,047	1,195	1,618	2,976	4,076	5,008	4,718	3,764	1,867	1,081	1,102	29,612
2057	1,184	1,069	1,220	1,652	3,039	4,162	5,113	4,817	3,843	1,906	1,103	1,125	30,234
2058	1,209	1,092	1,246	1,687	3,103	4,249	5,220	4,918	3,924	1,946	1,127	1,149	30,869
2059	1,235	1,115	1,272	1,723	3,168	4,338	5,330	5,021	4,006	1,987	1,150	1,173	31,518
2060	1,261	1,139	1,299	1,759	3,235	4,430	5,442	5,127	4,090	2,029	1,175	1,198	32,182
2061	1,291	1,166	1,331	1,802	3,313	4,537	5,574	5,251	4,190	2,078	1,203	1,227	32,964
2062	1,323	1,195	1,364	1,846	3,394	4,647	5,709	5,379	4,291	2,129	1,233	1,257	33,766
2063	1,355	1,224	1,397	1,891	3,476	4,760	5,848	5,509	4,396	2,180	1,263	1,288	34,588
2064	1,389	1,254	1,431	1,937	3,561	4,876	5,990	5,643	4,503	2,234	1,294	1,320	35,431
1905	1,423	1,285	1,466	1,984	3,648	4,995	6,136	5,781	4,612	2,288	1,326	1,352	36,295

Payson Table 13

Payson													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	269	243	277	254	310	347	368	355	308	268	251	256	3,505
2018	280	253	288	265	323	361	383	369	321	279	261	266	3,649
2019	291	263	300	275	336	376	399	384	334	290	271	277	3,798
2020	303	274	313	287	350	391	415	400	348	302	283	288	3,954
2021	313	282	322	296	361	403	428	412	358	312	291	297	4,075
2022	322	291	332	305	372	416	441	425	369	321	300	306	4,200
2023	332	300	342	314	383	428	454	438	381	331	309	315	4,328
2024	342	309	353	324	395	442	468	451	392	341	319	325	4,461
2025	353	318	363	333	407	455	483	465	404	352	329	335	4,598
2026	363	328	375	344	420	469	498	479	417	362	339	345	4,739
2027	375	338	386	354	432	483	513	494	429	374	349	356	4,884
2028	386	349	398	365	446	498	529	509	443	385	360	367	5,033
2029	398	359	410	376	459	513	545	525	456	397	371	378	5,188
2030	410	370	423	388	473	529	561	541	470	409	382	390	5,347
2031	424	383	437	401	490	548	581	560	486	423	395	403	5,533
2032	439	397	453	415	507	567	601	579	503	438	409	417	5,726
2033	454	410	468	430	525	586	622	599	521	453	423	432	5,925
2034	470	425	485	445	543	607	644	620	539	469	438	447	6,131
2035	487	440	502	460	562	628	666	642	558	485	453	462	6,345
2036	504	455	519	476	581	650	689	664	577	502	469	479	6,566
2037	521	471	537	493	602	673	713	687	597	520	486	495	6,795
2038	539	487	556	510	623	696	738	711	618	538	503	513	7,031
2039	558	504	575	528	644	720	764	736	640	557	520	530	7,276
2040	578	522	595	546	667	745	791	762	662	576	538	549	7,529
2041	602	544	621	569	695	777	824	794	690	600	561	572	7,851
2042	628	567	647	594	725	810	860	828	720	626	585	597	8,186
2043	655	591	675	619	756	845	896	863	750	653	610	622	8,535
2044	683	616	703	645	788	881	934	900	782	681	636	649	8,899
2045	712	643	733	673	822	918	974	939	816	710	663	676	9,279
2046	742	670	765	702	857	958	1,016	979	851	740	691	705	9,675
2047	774	699	797	732	893	998	1,059	1,020	887	772	721	735	10,087
2048	807	729	831	763	931	1,041	1,104	1,064	925	804	752	767	10,518
2049	841	760	867	795	971	1,085	1,152	1,109	964	839	784	799	10,966
2050	877	792	904	829	1,012	1,132	1,201	1,157	1,005	875	817	833	11,434
2051	896	809	923	847	1,034	1,156	1,226	1,181	1,027	893	834	851	11,675
2052	914	826	942	865	1,056	1,180	1,252	1,206	1,048	912	852	869	11,922
2053	934	843	962	883	1,078	1,205	1,278	1,231	1,070	931	870	887	12,173
2054	953	861	983	902	1,101	1,230	1,305	1,257	1,093	951	888	906	12,430
2055	973	879	1,003	921	1,124	1,256	1,333	1,284	1,116	971	907	925	12,692
2056	994	898	1,024	940	1,147	1,283	1,361	1,311	1,139	991	926	945	12,959
2057	1,015	917	1,046	960	1,172	1,310	1,389	1,339	1,163	1,012	946	965	13,233
2058	1,036	936	1,068	980	1,196	1,337	1,419	1,367	1,188	1,033	966	985	13,512
2059	1,058	956	1,091	1,001	1,222	1,366	1,449	1,396	1,213	1,055	986	1,006	13,797
2060	1,081	976	1,114	1,022	1,247	1,394	1,479	1,425	1,239	1,077	1,007	1,027	14,088
2061	1,107	1,000	1,141	1,047	1,278	1,428	1,515	1,460	1,269	1,104	1,032	1,052	14,432
2062	1,134	1,024	1,169	1,072	1,309	1,463	1,553	1,496	1,300	1,131	1,057	1,078	14,785
2063	1,162	1,049	1,197	1,099	1,341	1,499	1,590	1,532	1,332	1,158	1,083	1,104	15,147
2064	1,190	1,075	1,227	1,125	1,374	1,536	1,629	1,570	1,364	1,187	1,109	1,131	15,517
2065	1,219	1,101	1,257	1,153	1,407	1,573	1,669	1,608	1,398	1,216	1,136	1,159	15,897

Payson Table 14

Payson													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	167	525	826	1,096	1,021	780	227	0	0	4,642
2018	0	0	0	172	541	852	1,129	1,052	804	234	0	0	4,784
2019	0	0	0	178	557	878	1,164	1,085	829	242	0	0	4,932
2020	0	0	0	183	575	905	1,200	1,119	854	249	0	0	5,086
2021	0	0	0	187	588	927	1,229	1,146	875	255	0	0	5,208
2022	0	0	0	192	603	949	1,259	1,174	896	261	0	0	5,334
2023	0	0	0	197	617	973	1,290	1,202	918	268	0	0	5,465
2024	0	0	0	202	633	997	1,321	1,232	941	274	0	0	5,599
2025	0	0	0	207	648	1,021	1,354	1,262	964	281	0	0	5,738
2026	0	0	0	212	665	1,047	1,388	1,294	988	288	0	0	5,882
2027	0	0	0	217	681	1,073	1,423	1,327	1,013	295	0	0	6,030
2028	0	0	0	223	699	1,101	1,459	1,360	1,039	303	0	0	6,183
2029	0	0	0	228	717	1,129	1,496	1,395	1,065	311	0	0	6,341
2030	0	0	0	234	735	1,158	1,535	1,431	1,093	319	0	0	6,504
2031	0	0	0	241	756	1,192	1,580	1,473	1,125	328	0	0	6,694
2032	0	0	0	248	779	1,227	1,626	1,516	1,158	338	0	0	6,891
2033	0	0	0	255	802	1,263	1,675	1,561	1,192	348	0	0	7,096
2034	0	0	0	263	826	1,301	1,725	1,608	1,228	358	0	0	7,308
2035	0	0	0	271	851	1,340	1,776	1,656	1,265	369	0	0	7,527
2036	0	0	0	279	876	1,380	1,830	1,706	1,303	380	0	0	7,755
2037	0	0	0	288	903	1,422	1,886	1,758	1,343	392	0	0	7,991
2038	0	0	0	296	931	1,466	1,944	1,812	1,384	404	0	0	8,236
2039	0	0	0	306	959	1,511	2,004	1,868	1,426	416	0	0	8,490
2040	0	0	0	315	989	1,558	2,066	1,926	1,471	429	0	0	8,753
2041	0	0	0	327	1,026	1,617	2,144	1,998	1,526	445	0	0	9,084
2042	0	0	0	339	1,066	1,678	2,225	2,075	1,584	462	0	0	9,430
2043	0	0	0	352	1,106	1,743	2,311	2,154	1,645	480	0	0	9,791
2044	0	0	0	366	1,149	1,810	2,400	2,237	1,708	498	0	0	10,168
2045	0	0	0	380	1,194	1,880	2,493	2,324	1,774	518	0	0	10,562
2046	0	0	0	395	1,240	1,953	2,590	2,414	1,844	538	0	0	10,974
2047	0	0	0	411	1,289	2,030	2,691	2,509	1,916	559	0	0	11,404
2048	0	0	0	427	1,339	2,110	2,797	2,608	1,991	581	0	0	11,853
2049	0	0	0	444	1,392	2,193	2,908	2,711	2,070	604	0	0	12,322
2050	0	0	0	461	1,448	2,281	3,024	2,819	2,153	628	0	0	12,813
2051	0	0	0	471	1,478	2,328	3,086	2,877	2,197	641	0	0	13,077
2052	0	0	0	481	1,508	2,376	3,150	2,936	2,242	654	0	0	13,347
2053	0	0	0	490	1,540	2,425	3,215	2,997	2,289	668	0	0	13,624
2054	0	0	0	501	1,571	2,475	3,282	3,060	2,336	681	0	0	13,907
2055	0	0	0	511	1,604	2,527	3,350	3,123	2,385	696	0	0	14,196
2056	0	0	0	522	1,638	2,580	3,420	3,188	2,435	710	0	0	14,493
2057	0	0	0	533	1,672	2,634	3,492	3,255	2,486	725	0	0	14,795
2058	0	0	0	544	1,707	2,689	3,565	3,323	2,538	740	0	0	15,105
2059	0	0	0	555	1,743	2,745	3,640	3,393	2,591	756	0	0	15,422
2060	0	0	0	567	1,779	2,803	3,716	3,464	2,645	772	0	0	15,746
2061	0	0	0	581	1,822	2,870	3,806	3,548	2,709	790	0	0	16,126
2062	0	0	0	595	1,866	2,940	3,898	3,634	2,775	809	0	0	16,516
2063	0	0	0	609	1,912	3,011	3,992	3,722	2,842	829	0	0	16,917
2064	0	0	0	624	1,958	3,084	4,089	3,812	2,911	849	0	0	17,328
1905	0	0	0	639	2,006	3,159	4,189	3,905	2,982	870	0	0	17,749

Payson Table 15

Payson													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	269	243	277	421	835	1,173	1,464	1,376	1,088	496	251	256	8,148
2018	280	253	288	437	864	1,213	1,512	1,422	1,124	513	261	266	8,433
2019	291	263	300	453	894	1,254	1,563	1,469	1,162	532	271	277	8,730
2020	303	274	313	470	925	1,297	1,615	1,519	1,202	552	283	288	9,039
2021	313	282	322	483	949	1,330	1,657	1,558	1,233	567	291	297	9,283
2022	322	291	332	497	975	1,365	1,700	1,598	1,265	583	300	306	9,534
2023	332	300	342	511	1,001	1,401	1,744	1,640	1,299	599	309	315	9,793
2024	342	309	353	525	1,028	1,438	1,790	1,683	1,333	616	319	325	10,060
2025	353	318	363	540	1,055	1,476	1,837	1,727	1,368	633	329	335	10,336
2026	363	328	375	555	1,084	1,516	1,886	1,773	1,405	651	339	345	10,620
2027	375	338	386	571	1,114	1,557	1,936	1,821	1,442	669	349	356	10,914
2028	386	349	398	588	1,144	1,599	1,988	1,869	1,481	688	360	367	11,216
2029	398	359	410	605	1,176	1,642	2,041	1,920	1,521	707	371	378	11,529
2030	410	370	423	622	1,208	1,687	2,096	1,972	1,563	728	382	390	11,851
2031	424	383	437	642	1,246	1,739	2,161	2,032	1,611	751	395	403	12,227
2032	439	397	453	663	1,286	1,793	2,228	2,095	1,661	776	409	417	12,617
2033	454	410	468	685	1,326	1,850	2,297	2,160	1,713	801	423	432	13,021
2034	470	425	485	708	1,369	1,908	2,368	2,228	1,767	827	438	447	13,439
2035	487	440	502	731	1,412	1,968	2,443	2,298	1,822	854	453	462	13,872
2036	504	455	519	755	1,458	2,030	2,520	2,370	1,880	882	469	479	14,321
2037	521	471	537	780	1,505	2,095	2,599	2,445	1,940	911	486	495	14,786
2038	539	487	556	806	1,553	2,162	2,682	2,523	2,002	941	503	513	15,267
2039	558	504	575	833	1,604	2,231	2,768	2,604	2,066	973	520	530	15,766
2040	578	522	595	861	1,656	2,303	2,856	2,687	2,133	1,005	538	549	16,283
2041	602	544	621	896	1,722	2,394	2,968	2,793	2,216	1,046	561	572	16,935
2042	628	567	647	933	1,790	2,489	3,085	2,903	2,304	1,088	585	597	17,615
2043	655	591	675	971	1,862	2,588	3,207	3,017	2,395	1,133	610	622	18,326
2044	683	616	703	1,011	1,937	2,691	3,334	3,137	2,491	1,179	636	649	19,067
2045	712	643	733	1,053	2,015	2,798	3,467	3,262	2,590	1,227	663	676	19,841
2046	742	670	765	1,097	2,097	2,911	3,606	3,393	2,694	1,278	691	705	20,648
2047	774	699	797	1,142	2,182	3,028	3,751	3,529	2,803	1,330	721	735	21,491
2048	807	729	831	1,190	2,271	3,151	3,902	3,672	2,916	1,385	752	767	22,371
2049	841	760	867	1,239	2,363	3,279	4,060	3,820	3,034	1,443	784	799	23,289
2050	877	792	904	1,291	2,460	3,412	4,224	3,975	3,158	1,502	817	833	24,247
2051	896	809	923	1,318	2,511	3,483	4,312	4,058	3,223	1,534	834	851	24,752
2052	914	826	942	1,345	2,564	3,556	4,402	4,142	3,291	1,566	852	869	25,269
2053	934	843	962	1,373	2,617	3,630	4,493	4,229	3,359	1,599	870	887	25,797
2054	953	861	983	1,402	2,672	3,706	4,587	4,317	3,429	1,632	888	906	26,337
2055	973	879	1,003	1,432	2,728	3,783	4,683	4,407	3,501	1,666	907	925	26,888
2056	994	898	1,024	1,462	2,785	3,862	4,781	4,499	3,574	1,701	926	945	27,452
2057	1,015	917	1,046	1,492	2,843	3,943	4,881	4,594	3,649	1,737	946	965	28,028
2058	1,036	936	1,068	1,524	2,903	4,026	4,984	4,690	3,726	1,774	966	985	28,617
2059	1,058	956	1,091	1,556	2,964	4,111	5,088	4,788	3,804	1,811	986	1,006	29,219
2060	1,081	976	1,114	1,589	3,027	4,197	5,195	4,889	3,884	1,849	1,007	1,027	29,834
2061	1,107	1,000	1,141	1,627	3,100	4,299	5,321	5,008	3,978	1,894	1,032	1,052	30,558
2062	1,134	1,024	1,169	1,667	3,175	4,403	5,450	5,129	4,075	1,940	1,057	1,078	31,302
2063	1,162	1,049	1,197	1,708	3,253	4,510	5,583	5,254	4,174	1,987	1,083	1,104	32,064
2064	1,190	1,075	1,227	1,749	3,332	4,620	5,719	5,382	4,275	2,036	1,109	1,131	32,845
1905	1,219	1,101	1,257	1,792	3,413	4,733	5,858	5,513	4,380	2,086	1,136	1,159	33,646

Payson Table 16

Payson													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	269	243	277	254	310	347	368	355	308	268	251	256	3,505
2018	279	252	287	264	322	360	382	368	320	278	260	265	3,636
2019	289	261	298	274	334	373	396	382	332	289	270	275	3,772
2020	300	271	309	284	347	387	411	396	344	299	280	285	3,914
2021	308	278	317	291	355	397	422	406	353	307	287	293	4,015
2022	316	285	326	299	365	408	432	417	362	315	294	300	4,119
2023	324	293	334	306	374	418	444	427	371	323	302	308	4,225
2024	333	300	343	314	384	429	455	439	381	332	310	316	4,335
2025	341	308	352	323	394	440	467	450	391	340	318	324	4,448
2026	350	316	361	331	404	452	479	462	401	349	326	333	4,564
2027	359	324	370	340	415	464	492	474	412	358	335	341	4,684
2028	369	333	380	349	426	476	505	486	423	368	344	350	4,806
2029	378	342	390	358	437	488	518	499	434	377	353	360	4,933
2030	388	351	400	367	448	501	532	512	445	387	362	369	5,062
2031	401	362	413	379	463	517	549	529	459	400	374	381	5,226
2032	414	374	426	391	478	534	566	546	474	413	386	393	5,395
2033	427	386	440	404	493	551	585	563	490	426	398	406	5,569
2034	441	398	454	417	509	569	604	582	505	440	411	419	5,749
2035	455	411	469	430	526	587	623	600	522	454	424	433	5,935
2036	470	424	484	444	543	607	643	620	539	469	438	447	6,128
2037	485	438	500	459	560	626	664	640	556	484	452	461	6,326
2038	501	452	516	474	578	646	686	661	574	500	467	476	6,531
2039	517	467	533	489	597	667	708	682	593	516	482	492	6,743
2040	534	482	550	505	616	689	731	704	612	532	498	507	6,962
2041	556	502	573	526	642	718	762	734	638	555	518	529	7,253
2042	580	523	597	548	669	748	793	764	664	578	540	551	7,556
2043	604	545	622	571	697	779	827	796	692	602	563	574	7,872
2044	629	568	648	595	726	812	861	830	721	627	586	598	8,201
2045	655	592	675	620	756	846	897	864	751	653	611	623	8,544
2046	683	617	704	646	788	881	935	900	783	681	636	649	8,901
2047	711	642	733	673	821	918	974	938	815	709	663	676	9,273
2048	741	669	764	701	855	956	1,014	977	849	739	690	704	9,661
2049	772	697	796	730	891	996	1,057	1,018	885	770	719	734	10,064
2050	804	726	829	760	928	1,038	1,101	1,061	922	802	749	764	10,485
2051	820	741	845	776	947	1,059	1,123	1,082	940	818	764	780	10,696
2052	837	756	862	791	966	1,080	1,146	1,104	959	834	780	795	10,911
2053	854	771	880	807	985	1,102	1,169	1,126	979	851	795	811	11,130
2054	871	786	897	823	1,005	1,124	1,192	1,148	998	868	811	828	11,354
2055	888	802	915	840	1,025	1,146	1,216	1,172	1,018	886	828	844	11,582
2056	906	818	934	857	1,046	1,169	1,241	1,195	1,039	904	844	861	11,814
2057	924	835	953	874	1,067	1,193	1,266	1,219	1,060	922	861	878	12,052
2058	943	852	972	892	1,089	1,217	1,291	1,244	1,081	940	879	896	12,294
2059	962	869	991	910	1,110	1,241	1,317	1,269	1,103	959	896	914	12,541
2060	981	886	1,011	928	1,133	1,266	1,343	1,294	1,125	978	914	933	12,793
2061	1,004	907	1,035	949	1,159	1,296	1,375	1,324	1,151	1,001	936	954	13,091
2062	1,027	928	1,059	972	1,186	1,326	1,407	1,355	1,178	1,025	957	976	13,395
2063	1,051	949	1,083	994	1,214	1,357	1,439	1,387	1,205	1,048	980	999	13,707
2064	1,076	972	1,109	1,017	1,242	1,388	1,473	1,419	1,233	1,073	1,002	1,022	14,026
2065	1,101	994	1,134	1,041	1,271	1,421	1,507	1,452	1,262	1,098	1,026	1,046	14,352

Payson Table 17

Payson													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	167	525	826	1,096	1,021	780	227	0	0	4,642
2018	0	0	0	170	535	843	1,117	1,041	795	232	0	0	4,734
2019	0	0	0	174	546	859	1,140	1,062	811	237	0	0	4,829
2020	0	0	0	177	557	877	1,163	1,084	828	241	0	0	4,926
2021	0	0	0	179	561	884	1,172	1,093	835	243	0	0	4,968
2022	0	0	0	180	566	892	1,182	1,102	842	245	0	0	5,010
2023	0	0	0	182	571	899	1,192	1,112	849	248	0	0	5,053
2024	0	0	0	183	576	907	1,203	1,121	856	250	0	0	5,096
2025	0	0	0	185	581	915	1,213	1,131	864	252	0	0	5,140
2026	0	0	0	187	586	923	1,224	1,141	871	254	0	0	5,184
2027	0	0	0	188	591	931	1,234	1,150	879	256	0	0	5,229
2028	0	0	0	190	596	939	1,245	1,160	886	258	0	0	5,275
2029	0	0	0	192	601	947	1,256	1,171	894	261	0	0	5,321
2030	0	0	0	193	607	955	1,267	1,181	902	263	0	0	5,367
2031	0	0	0	197	618	973	1,290	1,203	918	268	0	0	5,466
2032	0	0	0	200	629	991	1,314	1,225	935	273	0	0	5,568
2033	0	0	0	204	641	1,010	1,339	1,248	953	278	0	0	5,672
2034	0	0	0	208	653	1,029	1,364	1,271	971	283	0	0	5,780
2035	0	0	0	212	665	1,048	1,390	1,296	989	289	0	0	5,889
2036	0	0	0	216	678	1,068	1,416	1,320	1,008	294	0	0	6,002
2037	0	0	0	220	691	1,089	1,444	1,346	1,028	300	0	0	6,118
2038	0	0	0	225	705	1,110	1,472	1,372	1,048	306	0	0	6,236
2039	0	0	0	229	718	1,132	1,500	1,399	1,068	312	0	0	6,358
2040	0	0	0	233	733	1,154	1,530	1,426	1,089	318	0	0	6,483
2041	0	0	0	241	756	1,191	1,580	1,472	1,124	328	0	0	6,693
2042	0	0	0	249	781	1,230	1,631	1,521	1,161	339	0	0	6,912
2043	0	0	0	257	807	1,271	1,685	1,571	1,200	350	0	0	7,140
2044	0	0	0	266	834	1,313	1,741	1,623	1,239	361	0	0	7,377
2045	0	0	0	274	861	1,357	1,799	1,677	1,281	374	0	0	7,624
2046	0	0	0	284	890	1,403	1,860	1,734	1,324	386	0	0	7,880
2047	0	0	0	293	921	1,450	1,923	1,792	1,369	399	0	0	8,148
2048	0	0	0	303	952	1,500	1,988	1,854	1,415	413	0	0	8,426
2049	0	0	0	314	985	1,551	2,057	1,917	1,464	427	0	0	8,715
2050	0	0	0	325	1,019	1,605	2,128	1,983	1,515	442	0	0	9,016
2051	0	0	0	330	1,035	1,630	2,161	2,015	1,539	449	0	0	9,158
2052	0	0	0	335	1,051	1,656	2,196	2,047	1,563	456	0	0	9,304
2053	0	0	0	340	1,068	1,682	2,231	2,079	1,588	463	0	0	9,452
2054	0	0	0	346	1,085	1,709	2,266	2,113	1,613	471	0	0	9,603
2055	0	0	0	351	1,102	1,737	2,302	2,146	1,639	478	0	0	9,756
2056	0	0	0	357	1,120	1,764	2,339	2,181	1,665	486	0	0	9,913
2057	0	0	0	363	1,138	1,793	2,377	2,216	1,692	494	0	0	10,072
2058	0	0	0	368	1,157	1,822	2,415	2,252	1,719	502	0	0	10,235
2059	0	0	0	374	1,175	1,851	2,454	2,288	1,747	510	0	0	10,400
2060	0	0	0	380	1,194	1,881	2,494	2,325	1,776	518	0	0	10,569
2061	0	0	0	387	1,216	1,916	2,540	2,368	1,808	527	0	0	10,761
2062	0	0	0	394	1,238	1,950	2,586	2,411	1,841	537	0	0	10,958
2063	0	0	0	402	1,261	1,986	2,633	2,455	1,875	547	0	0	11,158
2064	0	0	0	409	1,284	2,023	2,682	2,500	1,909	557	0	0	11,363
1905	0	0	0	417	1,308	2,060	2,731	2,546	1,944	567	0	0	11,572

Payson Table 18

Payson													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	269	243	277	421	835	1,173	1,464	1,376	1,088	496	251	256	8,148
2018	279	252	287	434	857	1,203	1,499	1,409	1,115	510	260	265	8,370
2019	289	261	298	447	880	1,233	1,536	1,444	1,143	525	270	275	8,601
2020	300	271	309	461	903	1,264	1,574	1,480	1,172	541	280	285	8,840
2021	308	278	317	470	917	1,282	1,594	1,499	1,188	550	287	293	8,983
2022	316	285	326	479	931	1,299	1,615	1,519	1,204	560	294	300	9,129
2023	324	293	334	488	945	1,318	1,636	1,539	1,220	571	302	308	9,278
2024	333	300	343	498	960	1,336	1,658	1,560	1,237	581	310	316	9,431
2025	341	308	352	508	975	1,355	1,680	1,581	1,255	592	318	324	9,588
2026	350	316	361	518	990	1,375	1,703	1,602	1,272	603	326	333	9,749
2027	359	324	370	528	1,006	1,394	1,726	1,624	1,290	614	335	341	9,913
2028	369	333	380	538	1,022	1,415	1,750	1,647	1,309	626	344	350	10,081
2029	378	342	390	549	1,038	1,435	1,774	1,670	1,328	638	353	360	10,254
2030	388	351	400	560	1,055	1,456	1,798	1,693	1,347	650	362	369	10,430
2031	401	362	413	576	1,080	1,490	1,839	1,731	1,378	668	374	381	10,692
2032	414	374	426	592	1,107	1,525	1,881	1,771	1,410	685	386	393	10,963
2033	427	386	440	608	1,134	1,561	1,923	1,811	1,443	704	398	406	11,242
2034	441	398	454	625	1,162	1,598	1,968	1,853	1,476	723	411	419	11,529
2035	455	411	469	642	1,191	1,636	2,013	1,896	1,511	743	424	433	11,825
2036	470	424	484	660	1,221	1,675	2,060	1,940	1,547	763	438	447	12,130
2037	485	438	500	679	1,251	1,715	2,108	1,986	1,584	784	452	461	12,444
2038	501	452	516	698	1,283	1,757	2,158	2,033	1,622	805	467	476	12,768
2039	517	467	533	718	1,315	1,799	2,209	2,081	1,661	827	482	492	13,101
2040	534	482	550	738	1,349	1,843	2,261	2,130	1,701	850	498	507	13,445
2041	556	502	573	767	1,398	1,909	2,341	2,206	1,762	883	518	529	13,946
2042	580	523	597	797	1,450	1,978	2,425	2,285	1,826	917	540	551	14,468
2043	604	545	622	828	1,504	2,050	2,512	2,367	1,892	952	563	574	15,012
2044	629	568	648	860	1,560	2,125	2,602	2,453	1,960	989	586	598	15,578
2045	655	592	675	894	1,618	2,203	2,696	2,542	2,032	1,027	611	623	16,168
2046	683	617	704	929	1,679	2,284	2,794	2,634	2,107	1,067	636	649	16,782
2047	711	642	733	966	1,742	2,368	2,897	2,731	2,184	1,108	663	676	17,421
2048	741	669	764	1,004	1,807	2,456	3,003	2,831	2,265	1,152	690	704	18,086
2049	772	697	796	1,044	1,876	2,547	3,114	2,935	2,349	1,197	719	734	18,779
2050	804	726	829	1,085	1,947	2,643	3,229	3,044	2,436	1,244	749	764	19,501
2051	820	741	845	1,105	1,982	2,689	3,284	3,097	2,479	1,267	764	780	19,854
2052	837	756	862	1,126	2,017	2,736	3,341	3,150	2,522	1,290	780	795	20,214
2053	854	771	880	1,147	2,053	2,784	3,399	3,205	2,566	1,314	795	811	20,582
2054	871	786	897	1,169	2,090	2,833	3,458	3,261	2,611	1,339	811	828	20,956
2055	888	802	915	1,191	2,128	2,883	3,519	3,318	2,657	1,364	828	844	21,338
2056	906	818	934	1,214	2,166	2,934	3,580	3,376	2,704	1,389	844	861	21,727
2057	924	835	953	1,237	2,205	2,986	3,643	3,435	2,752	1,415	861	878	22,124
2058	943	852	972	1,260	2,245	3,039	3,706	3,495	2,800	1,442	879	896	22,529
2059	962	869	991	1,284	2,286	3,093	3,771	3,557	2,850	1,469	896	914	22,942
2060	981	886	1,011	1,308	2,327	3,148	3,838	3,619	2,900	1,496	914	933	23,362
2061	1,004	907	1,035	1,337	2,375	3,211	3,914	3,692	2,959	1,529	936	954	23,852
2062	1,027	928	1,059	1,366	2,424	3,276	3,993	3,766	3,019	1,561	957	976	24,353
2063	1,051	949	1,083	1,396	2,474	3,343	4,073	3,841	3,080	1,595	980	999	24,865
2064	1,076	972	1,109	1,426	2,526	3,411	4,154	3,919	3,142	1,630	1,002	1,022	25,389
1905	1,101	994	1,134	1,458	2,578	3,480	4,238	3,998	3,206	1,665	1,026	1,046	25,924

Payson Table 19

Payson													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	248	224	253	237	272	289	304	297	267	248	235	241	3,115
2017	-65	-59	-70	-60	-90	-115	-125	-117	-92	-65	-58	-57	-975
2018	-71	-64	-76	-65	-96	-122	-132	-124	-98	-70	-62	-62	-1,040
2019	-76	-68	-81	-70	-102	-129	-139	-130	-104	-75	-67	-67	-1,109
2020	-81	-73	-87	-75	-109	-136	-147	-138	-110	-81	-72	-72	-1,180
2021	-85	-77	-91	-79	-113	-141	-152	-143	-115	-85	-76	-76	-1,235
2022	-90	-81	-96	-83	-118	-147	-158	-149	-120	-89	-80	-81	-1,292
2023	-94	-85	-100	-87	-124	-153	-165	-155	-125	-94	-84	-85	-1,351
2024	-99	-89	-105	-91	-129	-159	-171	-161	-131	-98	-89	-89	-1,412
2025	-104	-94	-110	-96	-135	-165	-177	-167	-136	-103	-93	-94	-1,474
2026	-109	-98	-115	-101	-140	-171	-184	-174	-142	-108	-98	-99	-1,539
2027	-114	-103	-120	-106	-146	-178	-191	-181	-148	-113	-103	-103	-1,605
2028	-119	-108	-126	-110	-152	-185	-198	-188	-154	-118	-108	-108	-1,674
2029	-124	-112	-131	-116	-159	-192	-206	-195	-160	-124	-113	-114	-1,744
2030	-130	-117	-137	-121	-165	-199	-213	-202	-166	-129	-118	-119	-1,817
2031	-137	-123	-144	-127	-172	-207	-222	-211	-174	-136	-124	-125	-1,902
2032	-143	-129	-151	-133	-180	-216	-232	-220	-181	-143	-130	-131	-1,990
2033	-150	-136	-158	-140	-188	-225	-241	-229	-189	-150	-137	-138	-2,081
2034	-158	-142	-165	-147	-197	-234	-251	-238	-198	-157	-143	-145	-2,176
2035	-165	-149	-173	-154	-205	-244	-261	-248	-206	-164	-150	-152	-2,273
2036	-173	-156	-181	-161	-214	-254	-272	-259	-215	-172	-158	-159	-2,374
2037	-181	-163	-189	-169	-224	-264	-283	-269	-224	-180	-165	-167	-2,479
2038	-189	-171	-198	-177	-233	-275	-294	-280	-234	-188	-173	-175	-2,587
2039	-198	-179	-207	-185	-243	-286	-306	-291	-244	-197	-181	-183	-2,699
2040	-207	-187	-216	-193	-253	-298	-318	-303	-254	-206	-189	-192	-2,815
2041	-218	-197	-227	-204	-266	-312	-334	-318	-267	-217	-200	-202	-2,962
2042	-230	-207	-240	-215	-280	-327	-350	-333	-280	-229	-211	-213	-3,115
2043	-242	-218	-252	-227	-294	-343	-367	-350	-294	-241	-222	-225	-3,275
2044	-255	-230	-265	-239	-309	-360	-384	-366	-309	-254	-234	-237	-3,441
2045	-268	-242	-279	-251	-324	-377	-402	-384	-324	-267	-246	-250	-3,615
2046	-282	-255	-293	-264	-340	-395	-421	-402	-340	-281	-259	-263	-3,796
2047	-296	-268	-308	-278	-357	-413	-441	-421	-357	-295	-273	-277	-3,985
2048	-311	-281	-324	-292	-374	-433	-462	-441	-374	-310	-287	-291	-4,182
2049	-347	-313	-360	-326	-415	-479	-510	-488	-415	-346	-320	-325	-4,644
2050	-389	-351	-404	-366	-464	-533	-568	-543	-463	-387	-359	-365	-5,190
2051	-410	-371	-426	-386	-489	-561	-597	-572	-488	-409	-379	-385	-5,472
2052	-432	-391	-449	-407	-514	-589	-627	-601	-513	-431	-400	-406	-5,759
2053	-455	-411	-472	-428	-540	-618	-658	-631	-539	-453	-420	-428	-6,052
2054	-478	-432	-495	-450	-566	-648	-690	-661	-565	-476	-442	-449	-6,352
2055	-501	-453	-520	-472	-594	-678	-722	-692	-592	-500	-464	-472	-6,657
2056	-525	-474	-544	-495	-621	-709	-755	-723	-619	-524	-486	-494	-6,970
2057	-550	-496	-569	-518	-649	-740	-788	-756	-647	-548	-509	-518	-7,288
2058	-575	-519	-595	-541	-678	-773	-822	-789	-676	-573	-532	-541	-7,614
2059	-600	-542	-621	-565	-708	-805	-857	-822	-705	-598	-556	-566	-7,946
2060	-626	-566	-648	-590	-738	-839	-893	-856	-735	-624	-580	-590	-8,286
2061	-657	-593	-680	-619	-773	-879	-935	-897	-770	-655	-609	-620	-8,688
2062	-689	-622	-713	-649	-810	-920	-978	-939	-807	-686	-638	-650	-9,100
2063	-721	-651	-746	-680	-847	-961	-1,022	-981	-844	-719	-668	-680	-9,521
2064	-754	-681	-780	-711	-885	-1,004	-1,068	-1,025	-882	-752	-699	-712	-9,954
2065	-788	-712	-815	-743	-925	-1,048	-1,114	-1,070	-921	-786	-731	-744	-10,396

Payson Table 20

Payson													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	623	1,260	1,448	1,307	1,113	591	351	0	0	6,693
2017	0	0	0	487	833	775	415	282	-43	165	0	0	2,915
2018	0	0	0	497	861	829	465	328	-19	172	0	0	3,134
2019	0	0	1	507	888	884	515	374	6	179	0	0	3,354
2020	0	0	1	518	916	939	565	421	30	186	0	0	3,576
2021	0	0	2	527	942	989	612	465	55	193	0	0	3,786
2022	0	0	2	537	968	1,039	660	510	79	200	0	0	3,996
2023	0	0	3	546	994	1,090	708	554	104	207	0	0	4,207
2024	0	0	3	556	1,021	1,141	756	599	128	214	0	0	4,419
2025	0	0	3	748	1,618	2,093	1,996	1,755	1,001	469	0	0	9,683
2026	0	0	4	758	1,645	2,145	2,045	1,800	1,025	476	0	0	9,897
2027	0	0	4	768	1,672	2,198	2,093	1,846	1,048	482	0	0	10,111
2028	0	0	5	778	1,699	2,252	2,142	1,891	1,072	489	0	0	10,327
2029	0	0	5	788	1,726	2,306	2,191	1,936	1,095	496	0	0	10,544
2030	0	0	6	798	1,754	2,362	2,240	1,982	1,118	502	0	0	10,761
2031	0	0	6	809	1,783	2,421	2,290	2,029	1,140	508	0	0	10,987
2032	0	0	7	821	1,812	2,481	2,341	2,076	1,162	515	0	0	11,214
2033	0	0	7	832	1,841	2,542	2,392	2,124	1,183	521	0	0	11,443
2034	0	0	8	844	1,871	2,605	2,443	2,172	1,204	527	0	0	11,673
2035	0	0	9	855	1,901	2,668	2,495	2,220	1,225	532	0	0	11,905
2036	0	0	9	867	1,932	2,732	2,547	2,268	1,246	538	0	0	12,139
2037	0	0	10	885	1,982	2,829	2,640	2,355	1,295	552	0	0	12,548
2038	0	0	11	891	1,994	2,864	2,651	2,365	1,285	549	0	0	12,610
2039	0	0	12	898	2,005	2,901	2,662	2,375	1,275	546	0	0	12,674
2040	0	0	12	904	2,017	2,938	2,674	2,386	1,264	543	0	0	12,739
2041	0	0	13	912	2,033	2,987	2,690	2,401	1,251	538	0	0	12,824
2042	0	0	14	920	2,049	3,037	2,705	2,415	1,238	534	0	0	12,913
2043	0	0	15	929	2,066	3,089	2,722	2,431	1,223	530	0	0	13,004
2044	0	0	16	938	2,083	3,143	2,739	2,446	1,208	525	0	0	13,099
2045	0	0	18	903	2,024	3,159	2,716	2,438	1,174	497	0	0	12,928
2046	0	0	19	867	1,962	3,175	2,691	2,429	1,137	469	0	0	12,749
2047	0	0	20	829	1,897	3,191	2,666	2,419	1,100	439	0	0	12,561
2048	0	0	21	789	1,830	3,208	2,639	2,409	1,060	408	0	0	12,364
2049	0	0	23	790	1,833	3,265	2,650	2,421	1,036	397	0	0	12,416
2050	0	0	24	802	1,855	3,334	2,670	2,440	1,016	390	0	0	12,532
2051	0	0	25	807	1,865	3,367	2,678	2,448	1,004	386	0	0	12,580
2052	0	0	26	813	1,875	3,401	2,686	2,455	991	382	0	0	12,629
2053	0	0	26	819	1,885	3,436	2,694	2,462	978	378	0	0	12,678
2054	0	0	27	825	1,895	3,471	2,702	2,469	964	374	0	0	12,728
2055	0	0	28	831	1,906	3,507	2,710	2,477	950	370	0	0	12,778
2056	0	0	29	837	1,916	3,544	2,718	2,484	936	365	0	0	12,829
2057	0	0	30	843	1,927	3,581	2,726	2,492	921	361	0	0	12,880
2058	0	0	31	849	1,938	3,619	2,734	2,499	906	356	0	0	12,932
2059	0	0	31	855	1,949	3,658	2,742	2,507	891	351	0	0	12,985
2060	0	0	32	860	1,956	3,687	2,742	2,506	871	345	0	0	12,999
2061	0	0	32	846	1,913	3,619	2,652	2,423	807	327	0	0	12,619
2062	0	0	32	832	1,869	3,550	2,560	2,337	742	307	0	0	12,229
2063	0	0	32	818	1,824	3,479	2,465	2,249	674	288	0	0	11,828
2064	0	0	32	803	1,777	3,406	2,368	2,158	605	268	0	0	11,417
2065	0	0	32	788	1,729	3,331	2,269	2,065	534	247	0	0	10,996

Payson Table 21

Payson													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	248	224	253	860	1,532	1,737	1,611	1,410	859	598	235	241	9,808
2017	-65	-59	-70	427	743	660	290	165	-135	100	-58	-57	1,940
2018	-71	-64	-75	433	764	707	333	204	-117	102	-62	-62	2,093
2019	-76	-68	-80	438	786	755	376	244	-98	104	-67	-67	2,245
2020	-81	-73	-85	443	808	804	418	283	-81	106	-72	-72	2,396
2021	-85	-77	-89	449	829	848	460	322	-61	108	-76	-76	2,550
2022	-90	-81	-93	454	850	892	502	361	-41	111	-80	-81	2,704
2023	-94	-85	-98	459	871	937	544	399	-22	114	-84	-85	2,856
2024	-99	-89	-102	465	892	983	585	438	-3	116	-89	-89	3,007
2025	-104	-94	-107	652	1,484	1,928	1,819	1,588	865	366	-93	-94	8,209
2026	-109	-98	-111	657	1,505	1,974	1,861	1,626	883	367	-98	-99	8,358
2027	-114	-103	-116	662	1,526	2,020	1,902	1,665	901	369	-103	-103	8,506
2028	-119	-108	-121	667	1,547	2,067	1,944	1,703	918	371	-108	-108	8,653
2029	-124	-112	-126	672	1,568	2,115	1,985	1,742	935	372	-113	-114	8,799
2030	-130	-117	-131	678	1,589	2,163	2,026	1,780	952	373	-118	-119	8,944
2031	-137	-123	-138	682	1,610	2,214	2,068	1,818	966	372	-124	-125	9,085
2032	-143	-129	-144	687	1,632	2,265	2,109	1,857	980	372	-130	-131	9,224
2033	-150	-136	-150	692	1,653	2,317	2,151	1,895	994	371	-137	-138	9,362
2034	-158	-142	-157	697	1,675	2,370	2,192	1,933	1,007	370	-143	-145	9,498
2035	-165	-149	-164	701	1,696	2,424	2,234	1,971	1,019	368	-150	-152	9,632
2036	-173	-156	-172	706	1,717	2,478	2,275	2,009	1,030	366	-158	-159	9,764
2037	-181	-163	-179	717	1,759	2,564	2,357	2,086	1,071	372	-165	-167	10,069
2038	-189	-171	-187	715	1,760	2,589	2,357	2,085	1,051	361	-173	-175	10,023
2039	-198	-179	-195	713	1,762	2,614	2,356	2,084	1,031	349	-181	-183	9,974
2040	-207	-187	-204	711	1,764	2,641	2,356	2,083	1,010	337	-189	-192	9,924
2041	-218	-197	-214	708	1,767	2,674	2,356	2,083	985	321	-200	-202	9,862
2042	-230	-207	-225	705	1,769	2,709	2,356	2,082	957	305	-211	-213	9,798
2043	-242	-218	-237	703	1,772	2,746	2,355	2,081	929	289	-222	-225	9,729
2044	-255	-230	-249	700	1,774	2,784	2,355	2,080	899	271	-234	-237	9,658
2045	-268	-242	-261	652	1,700	2,782	2,313	2,054	849	230	-246	-250	9,313
2046	-282	-255	-275	603	1,622	2,780	2,270	2,026	797	188	-259	-263	8,952
2047	-296	-268	-288	551	1,540	2,778	2,225	1,997	743	144	-273	-277	8,576
2048	-311	-281	-302	497	1,455	2,775	2,177	1,967	686	97	-287	-291	8,182
2049	-347	-313	-338	464	1,418	2,787	2,140	1,933	622	51	-320	-325	7,771
2050	-389	-351	-379	436	1,391	2,801	2,103	1,897	553	3	-359	-365	7,342
2051	-410	-371	-401	422	1,376	2,807	2,081	1,876	516	-23	-379	-385	7,108
2052	-432	-391	-423	406	1,361	2,812	2,059	1,854	478	-49	-400	-406	6,870
2053	-455	-411	-445	391	1,345	2,818	2,036	1,832	439	-75	-420	-428	6,626
2054	-478	-432	-468	375	1,329	2,824	2,012	1,809	399	-102	-442	-449	6,376
2055	-501	-453	-492	359	1,312	2,829	1,988	1,785	358	-130	-464	-472	6,121
2056	-525	-474	-515	342	1,295	2,835	1,963	1,761	317	-158	-486	-494	5,859
2057	-550	-496	-540	325	1,278	2,841	1,938	1,736	274	-187	-509	-518	5,592
2058	-575	-519	-565	308	1,260	2,846	1,912	1,711	230	-217	-532	-541	5,318
2059	-600	-542	-590	290	1,242	2,852	1,885	1,685	186	-247	-556	-566	5,038
2060	-626	-566	-616	270	1,218	2,848	1,849	1,650	136	-279	-580	-590	4,713
2061	-657	-593	-648	227	1,140	2,741	1,717	1,525	37	-328	-609	-620	3,931
2062	-689	-622	-680	183	1,059	2,630	1,582	1,398	-65	-379	-638	-650	3,129
2063	-721	-651	-714	138	976	2,517	1,443	1,267	-169	-431	-668	-680	2,307
2064	-754	-681	-748	92	892	2,401	1,301	1,133	-276	-484	-699	-712	1,464
2065	-788	-712	-783	45	805	2,283	1,155	995	-386	-539	-731	-744	599

Payson Table 22

Payson													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	248	224	253	237	272	289	304	297	267	248	235	241	3,115
2017	-21	-19	-24	-17	-39	-58	-64	-58	-41	-20	-16	-15	-391
2018	-24	-22	-28	-20	-42	-62	-68	-62	-44	-24	-19	-18	-432
2019	-27	-25	-31	-24	-46	-66	-73	-66	-48	-27	-22	-21	-476
2020	-31	-28	-35	-27	-50	-71	-77	-71	-52	-30	-25	-24	-521
2021	-33	-30	-37	-29	-53	-74	-81	-75	-55	-33	-28	-27	-556
2022	-36	-33	-40	-32	-57	-78	-85	-78	-59	-36	-30	-30	-592
2023	-39	-35	-43	-35	-60	-81	-89	-82	-62	-39	-33	-32	-630
2024	-42	-38	-46	-38	-63	-85	-93	-86	-65	-42	-36	-35	-668
2025	-45	-41	-49	-40	-67	-89	-97	-90	-69	-45	-39	-38	-708
2026	-48	-43	-53	-43	-70	-93	-101	-94	-72	-48	-41	-41	-749
2027	-51	-46	-56	-46	-74	-97	-106	-98	-76	-51	-44	-44	-791
2028	-55	-49	-59	-50	-78	-102	-110	-103	-80	-54	-48	-47	-835
2029	-58	-53	-63	-53	-82	-106	-115	-107	-84	-58	-51	-51	-880
2030	-62	-56	-67	-56	-86	-111	-120	-112	-88	-61	-54	-54	-926
2031	-66	-59	-71	-60	-91	-116	-126	-117	-93	-65	-58	-58	-980
2032	-70	-63	-75	-64	-96	-121	-131	-123	-98	-70	-62	-62	-1,036
2033	-75	-67	-80	-68	-101	-127	-138	-129	-103	-74	-66	-66	-1,094
2034	-79	-72	-85	-73	-106	-133	-144	-135	-108	-79	-70	-71	-1,154
2035	-84	-76	-89	-77	-112	-139	-150	-141	-113	-83	-75	-75	-1,216
2036	-89	-80	-95	-82	-117	-146	-157	-148	-119	-88	-79	-80	-1,280
2037	-94	-85	-100	-87	-123	-152	-164	-155	-125	-93	-84	-85	-1,347
2038	-99	-90	-105	-92	-129	-159	-171	-162	-131	-99	-89	-90	-1,415
2039	-105	-95	-111	-97	-136	-166	-179	-169	-137	-104	-94	-95	-1,487
2040	-110	-100	-117	-102	-142	-173	-186	-176	-144	-110	-99	-100	-1,560
2041	-118	-106	-124	-109	-150	-183	-196	-186	-152	-117	-106	-107	-1,654
2042	-125	-113	-132	-116	-159	-192	-207	-195	-160	-124	-113	-114	-1,751
2043	-133	-120	-140	-123	-168	-202	-217	-206	-169	-132	-120	-121	-1,852
2044	-141	-127	-148	-131	-177	-213	-228	-216	-179	-140	-128	-129	-1,958
2045	-149	-135	-157	-139	-187	-224	-240	-228	-188	-149	-136	-137	-2,069
2046	-158	-143	-166	-147	-197	-235	-252	-239	-198	-157	-144	-146	-2,184
2047	-167	-151	-175	-156	-208	-247	-265	-251	-209	-167	-153	-154	-2,304
2048	-177	-160	-185	-165	-219	-259	-278	-264	-220	-176	-161	-163	-2,429
2049	-207	-187	-216	-193	-253	-298	-318	-303	-254	-206	-189	-192	-2,817
2050	-243	-219	-253	-227	-295	-344	-368	-351	-295	-242	-223	-226	-3,285
2051	-261	-236	-272	-245	-316	-368	-393	-375	-316	-260	-240	-243	-3,526
2052	-280	-253	-292	-263	-338	-392	-419	-400	-338	-279	-257	-261	-3,772
2053	-299	-270	-311	-281	-360	-417	-445	-425	-360	-298	-275	-280	-4,023
2054	-319	-288	-332	-300	-383	-443	-472	-451	-383	-318	-294	-298	-4,280
2055	-339	-306	-352	-319	-406	-469	-500	-478	-406	-338	-313	-317	-4,542
2056	-360	-325	-374	-338	-430	-495	-528	-505	-429	-358	-332	-337	-4,810
2057	-381	-344	-395	-358	-454	-522	-556	-533	-453	-379	-351	-357	-5,083
2058	-402	-363	-417	-378	-479	-550	-586	-561	-478	-401	-371	-377	-5,362
2059	-424	-383	-440	-399	-504	-578	-616	-590	-503	-422	-392	-398	-5,647
2060	-446	-403	-463	-420	-530	-607	-646	-619	-529	-445	-412	-419	-5,938
2061	-473	-427	-490	-445	-560	-641	-682	-654	-559	-471	-437	-444	-6,282
2062	-500	-451	-518	-470	-592	-676	-719	-690	-590	-498	-462	-470	-6,635
2063	-527	-476	-546	-497	-624	-712	-757	-726	-622	-526	-488	-496	-6,997
2064	-556	-502	-576	-523	-656	-748	-796	-764	-654	-554	-514	-523	-7,367
2065	-585	-528	-606	-551	-690	-786	-836	-802	-688	-583	-542	-551	-7,747

Payson Table 23

Payson													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	623	1,260	1,448	1,307	1,113	591	351	0	0	6,693
2017	0	0	0	487	833	775	415	282	-43	165	0	0	2,915
2018	0	0	0	497	861	829	465	328	-19	172	0	0	3,134
2019	0	0	1	507	888	884	515	374	6	179	0	0	3,354
2020	0	0	1	518	916	939	565	421	30	186	0	0	3,576
2021	0	0	2	527	942	989	612	465	55	193	0	0	3,786
2022	0	0	2	537	968	1,039	660	510	79	200	0	0	3,996
2023	0	0	3	546	994	1,090	708	554	104	207	0	0	4,207
2024	0	0	3	556	1,021	1,141	756	599	128	214	0	0	4,419
2025	0	0	3	748	1,618	2,093	1,996	1,755	1,001	469	0	0	9,683
2026	0	0	4	758	1,645	2,145	2,045	1,800	1,025	476	0	0	9,897
2027	0	0	4	768	1,672	2,198	2,093	1,846	1,048	482	0	0	10,111
2028	0	0	5	778	1,699	2,252	2,142	1,891	1,072	489	0	0	10,327
2029	0	0	5	788	1,726	2,306	2,191	1,936	1,095	496	0	0	10,544
2030	0	0	6	798	1,754	2,362	2,240	1,982	1,118	502	0	0	10,761
2031	0	0	6	809	1,783	2,421	2,290	2,029	1,140	508	0	0	10,987
2032	0	0	7	821	1,812	2,481	2,341	2,076	1,162	515	0	0	11,214
2033	0	0	7	832	1,841	2,542	2,392	2,124	1,183	521	0	0	11,443
2034	0	0	8	844	1,871	2,605	2,443	2,172	1,204	527	0	0	11,673
2035	0	0	9	855	1,901	2,668	2,495	2,220	1,225	532	0	0	11,905
2036	0	0	9	867	1,932	2,732	2,547	2,268	1,246	538	0	0	12,139
2037	0	0	10	885	1,982	2,829	2,640	2,355	1,295	552	0	0	12,548
2038	0	0	11	891	1,994	2,864	2,651	2,365	1,285	549	0	0	12,610
2039	0	0	12	898	2,005	2,901	2,662	2,375	1,275	546	0	0	12,674
2040	0	0	12	904	2,017	2,938	2,674	2,386	1,264	543	0	0	12,739
2041	0	0	13	912	2,033	2,987	2,690	2,401	1,251	538	0	0	12,824
2042	0	0	14	920	2,049	3,037	2,705	2,415	1,238	534	0	0	12,913
2043	0	0	15	929	2,066	3,089	2,722	2,431	1,223	530	0	0	13,004
2044	0	0	16	938	2,083	3,143	2,739	2,446	1,208	525	0	0	13,099
2045	0	0	18	903	2,024	3,159	2,716	2,438	1,174	497	0	0	12,928
2046	0	0	19	867	1,962	3,175	2,691	2,429	1,137	469	0	0	12,749
2047	0	0	20	829	1,897	3,191	2,666	2,419	1,100	439	0	0	12,561
2048	0	0	21	789	1,830	3,208	2,639	2,409	1,060	408	0	0	12,364
2049	0	0	23	790	1,833	3,265	2,650	2,421	1,036	397	0	0	12,416
2050	0	0	24	802	1,855	3,334	2,670	2,440	1,016	390	0	0	12,532
2051	0	0	25	807	1,865	3,367	2,678	2,448	1,004	386	0	0	12,580
2052	0	0	26	813	1,875	3,401	2,686	2,455	991	382	0	0	12,629
2053	0	0	26	819	1,885	3,436	2,694	2,462	978	378	0	0	12,678
2054	0	0	27	825	1,895	3,471	2,702	2,469	964	374	0	0	12,728
2055	0	0	28	831	1,906	3,507	2,710	2,477	950	370	0	0	12,778
2056	0	0	29	837	1,916	3,544	2,718	2,484	936	365	0	0	12,829
2057	0	0	30	843	1,927	3,581	2,726	2,492	921	361	0	0	12,880
2058	0	0	31	849	1,938	3,619	2,734	2,499	906	356	0	0	12,932
2059	0	0	31	855	1,949	3,658	2,742	2,507	891	351	0	0	12,985
2060	0	0	32	860	1,956	3,687	2,742	2,506	871	345	0	0	12,999
2061	0	0	32	846	1,913	3,619	2,652	2,423	807	327	0	0	12,619
2062	0	0	32	832	1,869	3,550	2,560	2,337	742	307	0	0	12,229
2063	0	0	32	818	1,824	3,479	2,465	2,249	674	288	0	0	11,828
2064	0	0	32	803	1,777	3,406	2,368	2,158	605	268	0	0	11,417
2065	0	0	32	788	1,729	3,331	2,269	2,065	534	247	0	0	10,996

Payson Table 24

Payson													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	248	224	253	860	1,532	1,737	1,611	1,410	859	598	235	241	9,808
2017	-21	-19	-24	470	795	718	352	224	-84	145	-16	-15	2,524
2018	-24	-22	-27	477	818	767	397	266	-63	149	-19	-18	2,701
2019	-27	-25	-30	484	842	818	442	308	-43	152	-22	-21	2,878
2020	-31	-28	-33	491	866	869	487	350	-23	156	-25	-24	3,055
2021	-33	-30	-36	498	889	915	531	391	-1	160	-28	-27	3,230
2022	-36	-33	-38	505	912	962	575	432	21	165	-30	-30	3,404
2023	-39	-35	-41	512	935	1,009	619	472	42	169	-33	-32	3,577
2024	-42	-38	-43	519	958	1,056	663	513	63	173	-36	-35	3,751
2025	-45	-41	-46	707	1,551	2,003	1,899	1,665	932	424	-39	-38	8,975
2026	-48	-43	-49	714	1,575	2,052	1,943	1,706	952	428	-41	-41	9,148
2027	-51	-46	-52	721	1,598	2,101	1,988	1,747	972	431	-44	-44	9,320
2028	-55	-49	-55	728	1,621	2,150	2,032	1,788	992	435	-48	-47	9,492
2029	-58	-53	-58	735	1,644	2,200	2,076	1,829	1,011	438	-51	-51	9,664
2030	-62	-56	-61	742	1,668	2,251	2,120	1,870	1,030	441	-54	-54	9,835
2031	-66	-59	-65	749	1,692	2,305	2,165	1,912	1,048	443	-58	-58	10,007
2032	-70	-63	-68	756	1,716	2,360	2,210	1,953	1,064	445	-62	-62	10,178
2033	-75	-67	-72	764	1,740	2,415	2,255	1,995	1,081	447	-66	-66	10,349
2034	-79	-72	-77	771	1,765	2,471	2,300	2,037	1,097	448	-70	-71	10,520
2035	-84	-76	-81	778	1,790	2,529	2,345	2,078	1,112	449	-75	-75	10,689
2036	-89	-80	-85	785	1,814	2,587	2,390	2,120	1,127	450	-79	-80	10,858
2037	-94	-85	-90	799	1,859	2,676	2,476	2,200	1,170	459	-84	-85	11,201
2038	-99	-90	-94	800	1,864	2,705	2,480	2,203	1,154	450	-89	-90	11,195
2039	-105	-95	-99	801	1,870	2,734	2,484	2,207	1,138	442	-94	-95	11,187
2040	-110	-100	-104	802	1,875	2,765	2,488	2,210	1,121	433	-99	-100	11,179
2041	-118	-106	-111	803	1,882	2,804	2,493	2,215	1,100	422	-106	-107	11,171
2042	-125	-113	-117	804	1,890	2,844	2,499	2,220	1,077	410	-113	-114	11,162
2043	-133	-120	-124	806	1,898	2,887	2,505	2,225	1,054	397	-120	-121	11,152
2044	-141	-127	-132	807	1,906	2,931	2,511	2,230	1,030	385	-128	-129	11,141
2045	-149	-135	-139	764	1,837	2,935	2,476	2,210	985	349	-136	-137	10,859
2046	-158	-143	-147	720	1,764	2,940	2,439	2,189	939	311	-144	-146	10,565
2047	-167	-151	-155	673	1,689	2,944	2,401	2,168	891	272	-153	-154	10,257
2048	-177	-160	-164	624	1,611	2,949	2,362	2,145	840	232	-161	-163	9,935
2049	-207	-187	-193	597	1,580	2,967	2,331	2,118	782	191	-189	-192	9,599
2050	-243	-219	-229	575	1,560	2,990	2,303	2,090	721	149	-223	-226	9,247
2051	-261	-236	-247	563	1,549	2,999	2,285	2,073	687	126	-240	-243	9,054
2052	-280	-253	-266	550	1,537	3,009	2,267	2,055	653	103	-257	-261	8,857
2053	-299	-270	-285	538	1,525	3,019	2,249	2,037	617	80	-275	-280	8,655
2054	-319	-288	-304	525	1,512	3,029	2,230	2,018	581	56	-294	-298	8,448
2055	-339	-306	-324	512	1,500	3,039	2,210	1,999	544	32	-313	-317	8,236
2056	-360	-325	-345	499	1,487	3,049	2,190	1,979	507	7	-332	-337	8,019
2057	-381	-344	-365	485	1,473	3,059	2,170	1,959	468	-19	-351	-357	7,797
2058	-402	-363	-387	471	1,459	3,069	2,148	1,938	428	-45	-371	-377	7,570
2059	-424	-383	-408	457	1,445	3,080	2,127	1,917	388	-71	-392	-398	7,338
2060	-446	-403	-430	440	1,426	3,080	2,095	1,887	342	-99	-412	-419	7,061
2061	-473	-427	-458	402	1,353	2,979	1,970	1,769	248	-144	-437	-444	6,336
2062	-500	-451	-486	362	1,277	2,874	1,840	1,647	152	-191	-462	-470	5,593
2063	-527	-476	-514	321	1,200	2,767	1,708	1,523	53	-238	-488	-496	4,831
2064	-556	-502	-543	280	1,121	2,657	1,572	1,395	-49	-286	-514	-523	4,050
2065	-585	-528	-573	237	1,039	2,545	1,433	1,263	-153	-336	-542	-551	3,249

Payson Table 25

Payson													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	248	224	253	237	272	289	304	297	267	248	235	241	3,115
2017	-21	-19	-24	-17	-39	-58	-64	-58	-41	-20	-16	-15	-391
2018	-23	-21	-27	-20	-41	-61	-67	-61	-43	-23	-18	-17	-420
2019	-25	-23	-29	-22	-44	-63	-70	-64	-46	-25	-20	-19	-450
2020	-28	-25	-31	-24	-47	-67	-73	-67	-49	-27	-22	-21	-481
2021	-29	-26	-33	-25	-48	-68	-75	-69	-50	-28	-23	-23	-496
2022	-30	-27	-34	-26	-49	-70	-76	-70	-51	-30	-24	-24	-511
2023	-31	-28	-35	-27	-51	-71	-78	-72	-53	-31	-26	-25	-527
2024	-32	-29	-36	-28	-52	-73	-80	-73	-54	-32	-27	-26	-543
2025	-34	-30	-38	-30	-54	-74	-81	-75	-56	-33	-28	-27	-559
2026	-35	-31	-39	-31	-55	-76	-83	-76	-57	-34	-29	-28	-575
2027	-36	-33	-40	-32	-56	-77	-85	-78	-58	-36	-30	-29	-591
2028	-37	-34	-41	-33	-58	-79	-86	-80	-60	-37	-31	-31	-608
2029	-39	-35	-43	-34	-59	-81	-88	-82	-61	-38	-33	-32	-625
2030	-40	-36	-44	-36	-61	-82	-90	-83	-63	-40	-34	-33	-642
2031	-42	-38	-47	-38	-64	-86	-93	-86	-66	-42	-36	-35	-673
2032	-45	-40	-49	-40	-67	-89	-97	-90	-68	-44	-38	-38	-705
2033	-47	-43	-52	-43	-69	-92	-100	-93	-71	-47	-41	-40	-738
2034	-50	-45	-54	-45	-72	-95	-104	-96	-74	-49	-43	-43	-772
2035	-53	-47	-57	-48	-75	-99	-107	-100	-77	-52	-46	-45	-806
2036	-55	-50	-60	-50	-79	-102	-111	-103	-80	-55	-48	-48	-842
2037	-58	-52	-63	-53	-82	-106	-115	-107	-84	-58	-51	-50	-878
2038	-61	-55	-66	-55	-85	-110	-119	-111	-87	-60	-53	-53	-915
2039	-64	-58	-69	-58	-89	-113	-123	-115	-90	-63	-56	-56	-954
2040	-67	-60	-72	-61	-92	-117	-127	-119	-94	-66	-59	-59	-993
2041	-72	-65	-77	-66	-98	-123	-134	-125	-99	-71	-63	-63	-1,056
2042	-77	-69	-82	-70	-103	-130	-140	-132	-105	-76	-68	-68	-1,122
2043	-82	-74	-87	-75	-109	-137	-148	-139	-111	-81	-73	-73	-1,190
2044	-87	-79	-93	-81	-116	-144	-155	-146	-117	-87	-78	-78	-1,261
2045	-93	-84	-99	-86	-122	-151	-163	-153	-124	-92	-83	-84	-1,334
2046	-99	-89	-105	-91	-129	-159	-171	-161	-130	-98	-89	-89	-1,410
2047	-105	-95	-111	-97	-136	-166	-179	-169	-137	-104	-94	-95	-1,490
2048	-111	-100	-118	-103	-143	-175	-188	-177	-145	-111	-100	-101	-1,572
2049	-138	-124	-145	-128	-174	-208	-224	-212	-175	-137	-125	-126	-1,915
2050	-170	-153	-178	-158	-211	-250	-268	-255	-212	-169	-155	-157	-2,335
2051	-186	-168	-195	-174	-229	-271	-290	-276	-230	-185	-170	-172	-2,546
2052	-202	-183	-212	-189	-249	-292	-313	-298	-249	-202	-185	-188	-2,761
2053	-219	-198	-229	-205	-268	-314	-336	-320	-268	-218	-201	-204	-2,980
2054	-236	-214	-247	-221	-288	-336	-359	-342	-288	-236	-217	-220	-3,204
2055	-254	-229	-265	-238	-308	-359	-383	-365	-308	-253	-233	-237	-3,432
2056	-272	-245	-283	-255	-329	-382	-407	-389	-329	-271	-250	-254	-3,665
2057	-290	-262	-302	-272	-350	-405	-432	-413	-350	-289	-267	-271	-3,902
2058	-309	-279	-321	-290	-371	-429	-458	-438	-371	-307	-284	-288	-4,144
2059	-328	-296	-340	-308	-393	-454	-484	-463	-393	-326	-302	-307	-4,392
2060	-347	-313	-360	-326	-415	-479	-510	-488	-415	-346	-320	-325	-4,644
2061	-370	-334	-384	-347	-442	-508	-542	-518	-441	-368	-341	-347	-4,941
2062	-393	-355	-408	-370	-469	-538	-573	-549	-468	-392	-363	-369	-5,246
2063	-417	-377	-433	-392	-496	-569	-606	-580	-495	-416	-385	-391	-5,557
2064	-441	-399	-458	-415	-524	-601	-640	-613	-523	-440	-408	-415	-5,876
2065	-466	-421	-484	-439	-553	-633	-674	-646	-552	-465	-431	-439	-6,203

Payson Table 26

Payson													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	623	1,260	1,448	1,307	1,113	591	351	0	0	6,693
2017	0	0	0	487	833	775	415	282	-43	165	0	0	2,915
2018	0	0	0	499	866	838	477	339	-10	175	0	0	3,184
2019	0	0	1	511	900	902	539	397	23	184	0	0	3,457
2020	0	0	1	524	934	968	602	456	56	194	0	0	3,736
2021	0	0	2	536	969	1,032	669	518	95	205	0	0	4,026
2022	0	0	2	548	1,005	1,097	737	581	134	216	0	0	4,320
2023	0	0	3	561	1,041	1,163	805	645	173	228	0	0	4,619
2024	0	0	3	574	1,078	1,231	875	710	213	239	0	0	4,922
2025	0	0	3	769	1,686	2,199	2,138	1,887	1,101	498	0	0	10,281
2026	0	0	4	783	1,724	2,269	2,209	1,954	1,142	510	0	0	10,594
2027	0	0	4	797	1,762	2,341	2,282	2,022	1,183	522	0	0	10,912
2028	0	0	5	811	1,802	2,414	2,356	2,091	1,224	534	0	0	11,235
2029	0	0	5	825	1,842	2,488	2,431	2,161	1,266	546	0	0	11,564
2030	0	0	6	839	1,882	2,564	2,508	2,232	1,309	558	0	0	11,898
2031	0	0	6	854	1,921	2,639	2,580	2,299	1,346	569	0	0	12,215
2032	0	0	7	868	1,961	2,717	2,653	2,367	1,384	579	0	0	12,538
2033	0	0	7	883	2,002	2,796	2,728	2,437	1,422	590	0	0	12,866
2034	0	0	8	899	2,044	2,877	2,804	2,508	1,461	601	0	0	13,202
2035	0	0	9	914	2,086	2,959	2,881	2,580	1,500	613	0	0	13,543
2036	0	0	9	930	2,130	3,044	2,960	2,653	1,540	624	0	0	13,892
2037	0	0	10	953	2,194	3,162	3,082	2,767	1,610	644	0	0	14,422
2038	0	0	11	963	2,220	3,220	3,123	2,805	1,621	647	0	0	14,610
2039	0	0	12	974	2,246	3,280	3,166	2,845	1,633	650	0	0	14,806
2040	0	0	12	986	2,274	3,342	3,210	2,886	1,646	654	0	0	15,009
2041	0	0	13	998	2,303	3,412	3,254	2,927	1,653	656	0	0	15,215
2042	0	0	14	1,011	2,333	3,485	3,300	2,969	1,661	657	0	0	15,431
2043	0	0	15	1,025	2,365	3,561	3,347	3,014	1,669	659	0	0	15,655
2044	0	0	16	1,039	2,399	3,640	3,397	3,060	1,677	662	0	0	15,890
2045	0	0	18	1,009	2,356	3,682	3,409	3,084	1,667	641	0	0	15,866
2046	0	0	19	978	2,311	3,725	3,422	3,109	1,657	620	0	0	15,842
2047	0	0	20	946	2,265	3,771	3,434	3,135	1,647	598	0	0	15,817
2048	0	0	21	913	2,217	3,818	3,448	3,163	1,636	576	0	0	15,792
2049	0	0	23	920	2,241	3,907	3,501	3,215	1,642	573	0	0	16,023
2050	0	0	24	939	2,284	4,010	3,566	3,276	1,654	576	0	0	16,329
2051	0	0	25	949	2,308	4,065	3,603	3,310	1,662	578	0	0	16,499
2052	0	0	26	959	2,332	4,121	3,640	3,345	1,670	580	0	0	16,673
2053	0	0	26	969	2,356	4,179	3,679	3,380	1,679	583	0	0	16,850
2054	0	0	27	980	2,382	4,238	3,718	3,416	1,687	585	0	0	17,032
2055	0	0	28	990	2,408	4,298	3,758	3,454	1,696	587	0	0	17,218
2056	0	0	29	1,002	2,434	4,359	3,799	3,492	1,705	590	0	0	17,409
2057	0	0	30	1,013	2,461	4,422	3,841	3,531	1,715	592	0	0	17,603
2058	0	0	31	1,024	2,489	4,486	3,883	3,571	1,725	595	0	0	17,803
2059	0	0	31	1,036	2,517	4,552	3,927	3,611	1,734	597	0	0	18,006
2060	0	0	32	1,046	2,541	4,609	3,963	3,645	1,741	599	0	0	18,176
2061	0	0	32	1,039	2,519	4,574	3,918	3,603	1,708	589	0	0	17,984
2062	0	0	32	1,032	2,497	4,539	3,872	3,560	1,675	580	0	0	17,787
2063	0	0	32	1,025	2,474	4,504	3,824	3,516	1,642	570	0	0	17,587
2064	0	0	32	1,018	2,451	4,467	3,776	3,471	1,607	560	0	0	17,382
2065	0	0	32	1,010	2,428	4,430	3,727	3,425	1,572	550	0	0	17,173

Payson Table 27

Payson													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	248	224	253	860	1,532	1,737	1,611	1,410	859	598	235	241	9,808
2017	-21	-19	-24	470	795	718	352	224	-84	145	-16	-15	2,524
2018	-23	-21	-26	479	825	777	410	278	-54	152	-18	-17	2,764
2019	-25	-23	-28	489	856	839	469	333	-23	160	-20	-19	3,007
2020	-28	-25	-30	500	888	901	529	389	8	167	-22	-21	3,255
2021	-29	-26	-31	511	921	964	594	450	45	177	-23	-23	3,530
2022	-30	-27	-32	522	956	1,027	660	511	82	187	-24	-24	3,809
2023	-31	-28	-32	534	990	1,092	727	573	120	197	-26	-25	4,092
2024	-32	-29	-33	546	1,026	1,158	795	637	158	207	-27	-26	4,380
2025	-34	-30	-34	740	1,632	2,125	2,056	1,812	1,046	465	-28	-27	9,723
2026	-35	-31	-35	752	1,669	2,193	2,126	1,877	1,085	475	-29	-28	10,019
2027	-36	-33	-36	765	1,706	2,263	2,197	1,944	1,124	486	-30	-29	10,321
2028	-37	-34	-37	777	1,744	2,335	2,270	2,011	1,164	497	-31	-31	10,627
2029	-39	-35	-38	790	1,782	2,407	2,343	2,079	1,205	507	-33	-32	10,939
2030	-40	-36	-38	804	1,821	2,481	2,418	2,149	1,246	518	-34	-33	11,256
2031	-42	-38	-40	816	1,858	2,554	2,487	2,213	1,281	527	-36	-35	11,542
2032	-45	-40	-42	828	1,895	2,628	2,557	2,278	1,316	535	-38	-38	11,833
2033	-47	-43	-44	841	1,933	2,704	2,628	2,344	1,351	543	-41	-40	12,128
2034	-50	-45	-46	854	1,971	2,781	2,700	2,411	1,387	552	-43	-43	12,430
2035	-53	-47	-48	867	2,011	2,861	2,774	2,480	1,423	561	-46	-45	12,737
2036	-55	-50	-51	880	2,051	2,942	2,849	2,550	1,460	569	-48	-48	13,050
2037	-58	-52	-53	900	2,112	3,056	2,967	2,660	1,526	586	-51	-50	13,543
2038	-61	-55	-55	908	2,134	3,110	3,004	2,694	1,534	587	-53	-53	13,694
2039	-64	-58	-57	916	2,158	3,167	3,043	2,730	1,543	587	-56	-56	13,852
2040	-67	-60	-60	925	2,182	3,225	3,083	2,767	1,552	587	-59	-59	14,017
2041	-72	-65	-64	932	2,205	3,289	3,120	2,801	1,554	584	-63	-63	14,159
2042	-77	-69	-68	941	2,230	3,355	3,159	2,837	1,556	581	-68	-68	14,309
2043	-82	-74	-72	949	2,256	3,424	3,200	2,875	1,558	578	-73	-73	14,466
2044	-87	-79	-77	958	2,283	3,496	3,242	2,914	1,560	575	-78	-78	14,630
2045	-93	-84	-81	923	2,234	3,531	3,246	2,931	1,544	549	-83	-84	14,532
2046	-99	-89	-86	887	2,183	3,567	3,251	2,948	1,527	522	-89	-89	14,432
2047	-105	-95	-91	849	2,129	3,604	3,255	2,966	1,509	494	-94	-95	14,327
2048	-111	-100	-96	810	2,074	3,644	3,260	2,985	1,491	465	-100	-101	14,220
2049	-138	-124	-122	792	2,067	3,699	3,278	3,003	1,468	436	-125	-126	14,108
2050	-170	-153	-154	780	2,073	3,760	3,299	3,021	1,442	407	-155	-157	13,993
2051	-186	-168	-170	775	2,078	3,794	3,313	3,034	1,432	393	-170	-172	13,953
2052	-202	-183	-186	769	2,083	3,829	3,328	3,047	1,421	379	-185	-188	13,912
2053	-219	-198	-202	764	2,089	3,865	3,343	3,060	1,410	364	-201	-204	13,870
2054	-236	-214	-219	758	2,094	3,901	3,359	3,074	1,399	349	-217	-220	13,828
2055	-254	-229	-237	752	2,100	3,939	3,375	3,088	1,388	334	-233	-237	13,786
2056	-272	-245	-254	747	2,105	3,977	3,391	3,103	1,377	319	-250	-254	13,744
2057	-290	-262	-272	741	2,111	4,017	3,408	3,118	1,365	303	-267	-271	13,701
2058	-309	-279	-290	735	2,118	4,057	3,426	3,133	1,354	287	-284	-288	13,658
2059	-328	-296	-309	729	2,124	4,098	3,444	3,149	1,342	271	-302	-307	13,615
2060	-347	-313	-328	721	2,126	4,130	3,453	3,157	1,326	253	-320	-325	13,532
2061	-370	-334	-352	692	2,078	4,066	3,377	3,085	1,268	221	-341	-347	13,042
2062	-393	-355	-376	663	2,028	4,001	3,298	3,011	1,208	188	-363	-369	12,542
2063	-417	-377	-400	633	1,978	3,935	3,218	2,935	1,147	154	-385	-391	12,029
2064	-441	-399	-426	603	1,927	3,867	3,136	2,858	1,084	120	-408	-415	11,506
2065	-466	-421	-451	571	1,874	3,797	3,053	2,779	1,021	85	-431	-439	10,971

SALEM

Explanation of Supply and Demand Tables – Salem City

Salem Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Salem Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Salem Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the City's existing corporate boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Salem Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Salem Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Salem Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Salem Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Salem Table 8: Spanish Fork River. The current available volume was estimated based on the allocation of river flows from the 1977 Spanish Fork River Commissioner Report. Spanish Fork River water rights held by the City and shares of Spanish Fork river companies currently owned by the City were also considered in the estimate. River companies share volumes were allocated to the City based on how the river companies' boundaries overlay the City. The 2065 volume was calculated based on anticipated future conversion of river companies shares from agricultural use to municipal use.

Salem Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. Spanish Fork River flows delivered from City -owned water rights and through the river companies are not included in these volumes but are included in Table 8. Irrigation share volumes were allocated to the City based on how the irrigation company boundaries overlay the City. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Salem Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Salem, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Salem Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Salem, the current outdoor use per ERC was calculated to be 0.60 acre-feet per ERC (4.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Salem Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Salem Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Salem Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Salem Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Salem Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Salem Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Salem Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Salem Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Salem Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Salem Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Salem Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Salem Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Salem Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Salem Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Salem Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork

River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Salem Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Salem Table 1

Salem													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	22	20	22	21	22	21	22	22	21	22	21	22	258
2017	22	20	22	21	22	21	22	22	21	22	21	22	258
2018	22	20	22	21	22	21	22	22	21	22	21	22	258
2019	22	20	22	21	22	21	22	22	21	22	21	22	258
2020	22	20	22	21	22	21	22	22	21	22	21	22	258
2021	22	20	22	21	22	21	22	22	21	22	21	22	258
2022	22	20	22	21	22	21	22	22	21	22	21	22	258
2023	22	20	22	21	22	21	22	22	21	22	21	22	258
2024	22	20	22	21	22	21	22	22	21	22	21	22	258
2025	22	20	22	21	22	21	22	22	21	22	21	22	258
2026	22	20	22	21	22	21	22	22	21	22	21	22	258
2027	22	20	22	21	22	21	22	22	21	22	21	22	258
2028	22	20	22	21	22	21	22	22	21	22	21	22	258
2029	22	20	22	21	22	21	22	22	21	22	21	22	258
2030	22	20	22	21	22	21	22	22	21	22	21	22	258
2031	22	20	22	21	22	21	22	22	21	22	21	22	258
2032	22	20	22	21	22	21	22	22	21	22	21	22	258
2033	22	20	22	21	22	21	22	22	21	22	21	22	258
2034	22	20	22	21	22	21	22	22	21	22	21	22	258
2035	22	20	22	21	22	21	22	22	21	22	21	22	258
2036	22	20	22	21	22	21	22	22	21	22	21	22	258
2037	22	20	22	21	22	21	22	22	21	22	21	22	258
2038	22	20	22	21	22	21	22	22	21	22	21	22	258
2039	22	20	22	21	22	21	22	22	21	22	21	22	258
2040	22	20	22	21	22	21	22	22	21	22	21	22	258
2041	22	20	22	21	22	21	22	22	21	22	21	22	258
2042	22	20	22	21	22	21	22	22	21	22	21	22	258
2043	22	20	22	21	22	21	22	22	21	22	21	22	258
2044	22	20	22	21	22	21	22	22	21	22	21	22	258
2045	22	20	22	21	22	21	22	22	21	22	21	22	258
2046	22	20	22	21	22	21	22	22	21	22	21	22	258
2047	22	20	22	21	22	21	22	22	21	22	21	22	258
2048	22	20	22	21	22	21	22	22	21	22	21	22	258
2049	22	20	22	21	22	21	22	22	21	22	21	22	258
2050	22	20	22	21	22	21	22	22	21	22	21	22	258
2051	22	20	22	21	22	21	22	22	21	22	21	22	258
2052	22	20	22	21	22	21	22	22	21	22	21	22	258
2053	22	20	22	21	22	21	22	22	21	22	21	22	258
2054	22	20	22	21	22	21	22	22	21	22	21	22	258
2055	22	20	22	21	22	21	22	22	21	22	21	22	258
2056	22	20	22	21	22	21	22	22	21	22	21	22	258
2057	22	20	22	21	22	21	22	22	21	22	21	22	258
2058	22	20	22	21	22	21	22	22	21	22	21	22	258
2059	22	20	22	21	22	21	22	22	21	22	21	22	258
2060	22	20	22	21	22	21	22	22	21	22	21	22	258
2061	22	20	22	21	22	21	22	22	21	22	21	22	258
2062	22	20	22	21	22	21	22	22	21	22	21	22	258
2063	22	20	22	21	22	21	22	22	21	22	21	22	258
2064	22	20	22	21	22	21	22	22	21	22	21	22	258
2065	22	20	22	21	22	21	22	22	21	22	21	22	258

Salem Table 2

Salem													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	32	100	158	210	196	149	44	0	0	889
2026	0	0	0	32	100	158	210	196	149	44	0	0	889
2027	0	0	0	32	100	158	210	196	149	44	0	0	889
2028	0	0	0	32	100	158	210	196	149	44	0	0	889
2029	0	0	0	32	100	158	210	196	149	44	0	0	889
2030	0	0	0	32	100	158	210	196	149	44	0	0	889
2031	0	0	0	32	100	158	210	196	149	44	0	0	889
2032	0	0	0	32	100	158	210	196	149	44	0	0	889
2033	0	0	0	32	100	158	210	196	149	44	0	0	889
2034	0	0	0	32	100	158	210	196	149	44	0	0	889
2035	0	0	0	32	100	158	210	196	149	44	0	0	889
2036	0	0	0	32	100	158	210	196	149	44	0	0	889
2037	0	0	0	32	100	158	210	196	149	44	0	0	889
2038	0	0	0	32	100	158	210	196	149	44	0	0	889
2039	0	0	0	32	100	158	210	196	149	44	0	0	889
2040	0	0	0	32	100	158	210	196	149	44	0	0	889
2041	0	0	0	32	100	158	210	196	149	44	0	0	889
2042	0	0	0	32	100	158	210	196	149	44	0	0	889
2043	0	0	0	32	100	158	210	196	149	44	0	0	889
2044	0	0	0	32	100	158	210	196	149	44	0	0	889
2045	0	0	0	32	100	158	210	196	149	44	0	0	889
2046	0	0	0	32	100	158	210	196	149	44	0	0	889
2047	0	0	0	32	100	158	210	196	149	44	0	0	889
2048	0	0	0	32	100	158	210	196	149	44	0	0	889
2049	0	0	0	32	100	158	210	196	149	44	0	0	889
2050	0	0	0	32	100	158	210	196	149	44	0	0	889
2051	0	0	0	32	100	158	210	196	149	44	0	0	889
2052	0	0	0	32	100	158	210	196	149	44	0	0	889
2053	0	0	0	32	100	158	210	196	149	44	0	0	889
2054	0	0	0	32	100	158	210	196	149	44	0	0	889
2055	0	0	0	32	100	158	210	196	149	44	0	0	889
2056	0	0	0	32	100	158	210	196	149	44	0	0	889
2057	0	0	0	32	100	158	210	196	149	44	0	0	889
2058	0	0	0	32	100	158	210	196	149	44	0	0	889
2059	0	0	0	32	100	158	210	196	149	44	0	0	889
2060	0	0	0	32	100	158	210	196	149	44	0	0	889
2061	0	0	0	32	100	158	210	196	149	44	0	0	889
2062	0	0	0	32	100	158	210	196	149	44	0	0	889
2063	0	0	0	32	100	158	210	196	149	44	0	0	889
2064	0	0	0	32	100	158	210	196	149	44	0	0	889
2065	0	0	0	32	100	158	210	196	149	44	0	0	889

Salem Table 3

Salem													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	23	78	192	167	188	85	21	0	0	754
2017	0	0	0	23	78	192	167	188	85	21	0	0	754
2018	0	0	0	29	98	241	209	236	107	26	0	0	946
2019	0	0	0	36	120	296	257	289	132	32	0	0	1,160
2020	0	0	0	43	144	357	309	348	159	38	0	0	1,399
2021	0	0	0	48	160	396	343	387	176	43	0	0	1,553
2022	0	0	0	53	177	438	380	428	195	47	0	0	1,716
2023	0	0	0	58	195	482	418	471	214	52	0	0	1,891
2024	0	0	0	64	214	530	459	517	235	57	0	0	2,077
2025	0	0	0	70	235	580	503	567	258	63	0	0	2,275
2026	0	0	0	76	257	634	550	619	282	68	0	0	2,486
2027	0	0	0	83	280	691	600	675	307	75	0	0	2,711
2028	0	0	0	90	305	753	653	735	335	81	0	0	2,951
2029	0	0	0	98	331	818	709	799	364	88	0	0	3,207
2030	0	0	0	107	359	887	769	867	394	96	0	0	3,479
2031	0	0	0	114	384	947	822	925	421	102	0	0	3,715
2032	0	0	0	122	409	1,011	877	987	449	109	0	0	3,964
2033	0	0	0	130	436	1,078	934	1,053	479	116	0	0	4,226
2034	0	0	0	138	465	1,148	995	1,121	510	124	0	0	4,502
2035	0	0	0	147	495	1,222	1,060	1,194	543	132	0	0	4,792
2036	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2037	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2038	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2039	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2040	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2041	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2042	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2043	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2044	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2045	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2046	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2047	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2048	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2049	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2050	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2051	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2052	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2053	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2054	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2055	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2056	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2057	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2058	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2059	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2060	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2061	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2062	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2063	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2064	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033
2065	0	0	0	154	520	1,283	1,113	1,254	571	138	0	0	5,033

Salem Table 4

Salem													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	45	259	484	478	443	281	225	68	0	0	684
2017	0	0	45	259	484	478	443	281	225	68	0	0	684
2018	0	0	51	295	550	543	503	320	256	77	0	0	789
2019	0	0	58	334	623	615	570	362	290	87	0	0	905
2020	0	0	65	378	705	696	645	410	328	98	0	0	1,035
2021	0	0	70	406	757	747	693	440	352	106	0	0	1,118
2022	0	0	75	436	813	803	744	473	379	114	0	0	1,207
2023	0	0	80	468	873	862	799	508	406	122	0	0	1,302
2024	0	0	86	502	937	925	857	545	436	131	0	0	1,403
2025	0	0	93	538	1,005	992	919	584	468	140	0	0	1,511
2026	0	0	99	577	1,077	1,063	985	626	501	150	0	0	1,626
2027	0	0	106	618	1,154	1,139	1,056	671	537	161	0	0	1,749
2028	0	0	114	662	1,236	1,220	1,131	719	575	173	0	0	1,879
2029	0	0	122	709	1,324	1,306	1,211	770	616	185	0	0	2,018
2030	0	0	130	759	1,417	1,398	1,296	824	659	198	0	0	2,166
2031	0	0	138	802	1,498	1,478	1,370	871	697	209	0	0	2,295
2032	0	0	146	848	1,583	1,562	1,448	920	737	221	0	0	2,430
2033	0	0	154	896	1,673	1,651	1,530	972	778	234	0	0	2,573
2034	0	0	163	946	1,767	1,744	1,616	1,027	822	247	0	0	2,723
2035	0	0	172	999	1,867	1,842	1,707	1,085	869	261	0	0	2,881
2036	0	0	179	1,043	1,949	1,924	1,783	1,133	907	272	0	0	3,012
2037	0	0	177	1,026	1,915	1,890	1,752	1,113	891	267	0	0	2,852
2038	0	0	173	1,003	1,871	1,847	1,712	1,088	871	261	0	0	2,646
2039	0	0	159	920	1,717	1,695	1,571	998	799	240	0	0	2,427
2040	0	0	144	834	1,555	1,535	1,423	904	724	217	0	0	2,198
2041	0	0	135	782	1,458	1,439	1,334	848	679	204	0	0	2,061
2042	0	0	125	728	1,358	1,340	1,242	789	632	190	0	0	1,919
2043	0	0	116	672	1,254	1,238	1,147	729	584	175	0	0	1,773
2044	0	0	106	615	1,148	1,133	1,050	667	534	160	0	0	1,622
2045	0	0	96	556	1,038	1,024	949	603	483	145	0	0	1,467
2046	0	0	85	496	925	913	846	538	430	129	0	0	1,307
2047	0	0	75	433	808	798	739	470	376	113	0	0	1,142
2048	0	0	64	369	688	679	629	400	320	96	0	0	972
2049	0	0	52	302	564	557	516	328	263	79	0	0	797
2050	0	0	52	300	560	553	513	326	261	78	0	0	792
2051	0	0	52	300	560	553	513	326	261	78	0	0	792
2052	0	0	52	300	560	553	513	326	261	78	0	0	792
2053	0	0	52	300	560	553	513	326	261	78	0	0	792
2054	0	0	52	300	560	553	513	326	261	78	0	0	792
2055	0	0	52	300	560	553	513	326	261	78	0	0	792
2056	0	0	52	300	560	553	513	326	261	78	0	0	792
2057	0	0	52	300	560	553	513	326	261	78	0	0	792
2058	0	0	52	300	560	553	513	326	261	78	0	0	792
2059	0	0	52	300	560	553	513	326	261	78	0	0	792
2060	0	0	52	300	560	553	513	326	261	78	0	0	792
2061	0	0	52	300	560	553	513	326	261	78	0	0	792
2062	0	0	52	300	560	553	513	326	261	78	0	0	792
2063	0	0	52	300	560	553	513	326	261	78	0	0	792
2064	0	0	52	300	560	553	513	326	261	78	0	0	792
2065	0	0	52	300	560	553	513	326	261	78	0	0	792

Salem Table 5

Salem													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2017	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2018	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2019	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2020	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2021	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2022	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2023	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2024	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2025	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2026	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2027	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2028	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2029	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2030	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2031	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2032	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2033	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2034	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2035	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2036	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2037	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2038	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2039	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2040	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2041	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2042	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2043	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2044	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2045	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2046	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2047	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2048	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2049	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2050	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2051	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2052	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2053	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2054	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2055	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2056	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2057	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2058	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2059	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2060	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2061	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2062	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2063	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2064	79	72	82	75	92	103	109	105	91	79	74	76	1,036
2065	79	72	82	75	92	103	109	105	91	79	74	76	1,036

Salem Table 6

Salem													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Salem Table 7

Salem													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	9	8	9	8	10	12	12	12	10	9	8	8	117
2019	19	17	19	18	22	24	26	25	22	19	18	18	246
2020	30	27	31	28	35	39	41	40	34	30	28	28	391
2021	37	34	38	35	43	48	51	49	43	37	35	35	484
2022	45	40	46	42	52	58	61	59	51	45	42	43	583
2023	53	48	54	50	61	68	72	70	61	53	49	50	689
2024	61	56	63	58	71	79	84	81	70	61	57	58	802
2025	71	64	73	67	82	91	97	93	81	71	66	67	922
2026	81	73	83	76	93	104	110	106	92	80	75	77	1,050
2027	91	82	94	86	105	117	125	120	104	91	85	86	1,186
2028	102	92	105	97	118	132	140	135	117	102	95	97	1,332
2029	114	103	118	108	132	147	156	150	131	114	106	108	1,487
2030	127	114	131	120	146	164	173	167	145	126	118	120	1,652
2031	138	124	142	130	159	178	188	182	158	137	128	131	1,795
2032	149	135	154	141	172	193	204	197	171	149	139	142	1,946
2033	161	146	166	153	186	208	221	213	185	161	150	153	2,105
2034	174	157	180	165	201	225	239	230	200	174	162	166	2,272
2035	188	170	194	178	217	242	257	248	215	187	175	178	2,448
2036	202	182	208	191	233	261	277	266	232	201	188	192	2,634
2037	217	196	224	205	251	280	297	286	249	216	202	206	2,829
2038	233	210	240	220	269	300	319	307	267	232	217	221	3,035
2039	249	225	257	236	288	322	342	329	286	249	232	237	3,252
2040	267	241	275	252	308	345	366	352	306	266	249	254	3,481
2041	278	251	286	262	320	358	380	366	318	277	259	264	3,618
2042	288	260	297	273	333	372	395	380	331	288	269	274	3,760
2043	300	271	309	283	346	387	410	395	343	299	279	285	3,906
2044	311	281	321	294	359	402	426	410	357	310	290	296	4,057
2045	323	292	333	306	373	417	442	426	370	322	301	307	4,212
2046	335	303	346	317	387	433	459	442	384	334	312	319	4,372
2047	348	314	359	329	402	449	476	459	399	347	324	331	4,537
2048	361	326	372	341	417	466	494	476	414	360	336	343	4,707
2049	374	338	386	354	432	483	513	494	429	373	349	356	4,882
2050	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2051	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2052	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2053	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2054	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2055	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2056	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2057	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2058	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2059	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2060	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2061	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2062	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2063	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2064	375	339	386	354	433	484	513	494	430	374	349	356	4,887
2065	375	339	386	354	433	484	513	494	430	374	349	356	4,887

Salem Table 8

Salem													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	45	259	484	478	443	281	225	68	0	0	684
2017	0	0	45	259	484	478	443	281	225	68	0	0	684
2018	0	0	50	293	546	539	500	318	254	76	0	0	772
2019	0	0	57	330	616	608	563	358	287	86	0	0	870
2020	0	0	64	371	693	684	634	403	322	97	0	0	979
2021	0	0	69	398	743	733	679	432	346	104	0	0	1,050
2022	0	0	74	427	796	785	728	463	370	111	0	0	1,125
2023	0	0	79	457	852	841	780	496	397	119	0	0	1,205
2024	0	0	84	489	912	901	835	531	425	127	0	0	1,290
2025	0	0	90	524	977	964	894	568	455	136	0	0	1,381
2026	0	0	97	560	1,045	1,032	956	608	486	146	0	0	1,477
2027	0	0	103	599	1,118	1,104	1,023	650	520	156	0	0	1,580
2028	0	0	111	641	1,196	1,180	1,094	695	557	167	0	0	1,690
2029	0	0	118	685	1,279	1,262	1,170	743	595	179	0	0	1,807
2030	0	0	126	733	1,367	1,349	1,251	795	636	191	0	0	1,932
2031	0	0	133	774	1,443	1,425	1,321	839	672	202	0	0	2,040
2032	0	0	141	817	1,524	1,504	1,394	886	709	213	0	0	2,154
2033	0	0	149	862	1,609	1,588	1,472	935	749	225	0	0	2,274
2034	0	0	157	910	1,698	1,676	1,554	987	790	237	0	0	2,401
2035	0	0	166	961	1,792	1,769	1,640	1,042	834	250	0	0	2,534
2036	0	0	173	1,003	1,870	1,846	1,711	1,088	871	261	0	0	2,644
2037	0	0	173	1,003	1,870	1,846	1,711	1,088	871	261	0	0	2,644
2038	0	0	173	1,003	1,870	1,846	1,711	1,088	871	261	0	0	2,644
2039	0	0	159	920	1,717	1,695	1,571	998	799	240	0	0	2,427
2040	0	0	144	834	1,555	1,535	1,423	904	724	217	0	0	2,198
2041	0	0	135	782	1,458	1,439	1,334	848	679	204	0	0	2,061
2042	0	0	125	728	1,358	1,340	1,242	789	632	190	0	0	1,919
2043	0	0	116	672	1,254	1,238	1,147	729	584	175	0	0	1,773
2044	0	0	106	615	1,148	1,133	1,050	667	534	160	0	0	1,622
2045	0	0	96	556	1,038	1,024	949	603	483	145	0	0	1,467
2046	0	0	85	496	925	913	846	538	430	129	0	0	1,307
2047	0	0	75	433	808	798	739	470	376	113	0	0	1,142
2048	0	0	64	369	688	679	629	400	320	96	0	0	972
2049	0	0	52	302	564	557	516	328	263	79	0	0	797
2050	0	0	52	300	560	553	513	326	261	78	0	0	792
2051	0	0	52	300	560	553	513	326	261	78	0	0	792
2052	0	0	52	300	560	553	513	326	261	78	0	0	792
2053	0	0	52	300	560	553	513	326	261	78	0	0	792
2054	0	0	52	300	560	553	513	326	261	78	0	0	792
2055	0	0	52	300	560	553	513	326	261	78	0	0	792
2056	0	0	52	300	560	553	513	326	261	78	0	0	792
2057	0	0	52	300	560	553	513	326	261	78	0	0	792
2058	0	0	52	300	560	553	513	326	261	78	0	0	792
2059	0	0	52	300	560	553	513	326	261	78	0	0	792
2060	0	0	52	300	560	553	513	326	261	78	0	0	792
2061	0	0	52	300	560	553	513	326	261	78	0	0	792
2062	0	0	52	300	560	553	513	326	261	78	0	0	792
2063	0	0	52	300	560	553	513	326	261	78	0	0	792
2064	0	0	52	300	560	553	513	326	261	78	0	0	792
2065	0	0	52	300	560	553	513	326	261	78	0	0	792

Salem Table 9

Salem													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	2	4	3	3	2	2	0	0	0	17
2019	0	0	1	4	7	7	7	4	3	1	0	0	35
2020	0	0	1	6	12	12	11	7	5	2	0	0	55
2021	0	0	1	8	15	14	13	9	7	2	0	0	69
2022	0	0	1	9	18	17	16	10	8	2	0	0	83
2023	0	0	2	11	21	21	19	12	10	3	0	0	98
2024	0	0	2	13	24	24	22	14	11	3	0	0	114
2025	0	0	2	14	28	27	25	16	13	4	0	0	131
2026	0	0	3	16	32	31	29	18	15	4	0	0	149
2027	0	0	3	19	36	35	33	21	17	5	0	0	168
2028	0	0	3	21	41	40	37	23	19	6	0	0	189
2029	0	0	4	23	45	44	41	26	21	6	0	0	211
2030	0	0	4	26	50	49	46	29	23	7	0	0	234
2031	0	0	4	28	55	53	50	32	25	8	0	0	255
2032	0	0	5	31	59	58	54	34	27	8	0	0	276
2033	0	0	5	33	64	63	58	37	30	9	0	0	298
2034	0	0	6	36	69	68	63	40	32	10	0	0	322
2035	0	0	6	38	74	73	68	43	34	10	0	0	347
2036	0	0	6	41	79	77	72	46	36	11	0	0	368
2037	0	0	4	23	45	44	40	26	21	6	0	0	208
2038	0	0	0	0	0	0	0	0	0	0	0	0	2
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Salem Table 10

Salem													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	84	76	87	80	97	109	116	111	97	84	79	80	1,100
2018	94	85	97	89	108	121	129	124	108	94	88	89	1,225
2019	105	95	108	99	121	135	143	138	120	104	98	99	1,364
2020	117	105	120	110	135	150	160	154	134	116	109	111	1,519
2021	124	112	128	117	143	160	170	164	142	124	116	118	1,619
2022	132	120	136	125	153	171	181	175	152	132	123	126	1,725
2023	141	127	145	133	163	182	193	186	162	141	131	134	1,839
2024	150	136	155	142	174	194	206	198	172	150	140	143	1,960
2025	160	145	165	151	185	207	219	211	184	160	149	152	2,089
2026	171	154	176	161	197	220	234	225	196	170	159	162	2,226
2027	182	164	188	172	210	235	249	240	209	181	170	173	2,372
2028	194	175	200	183	224	250	265	256	222	193	181	184	2,528
2029	207	187	213	195	239	267	283	273	237	206	193	196	2,694
2030	220	199	227	208	254	284	301	290	252	220	205	209	2,871
2031	232	210	239	219	268	299	318	306	266	231	216	220	3,025
2032	244	221	252	231	282	315	335	322	280	244	228	232	3,186
2033	257	233	265	243	297	332	352	340	295	257	240	245	3,356
2034	271	245	279	256	313	350	371	358	311	270	253	258	3,536
2035	286	258	294	270	330	369	391	377	327	285	266	271	3,725
2036	301	272	310	285	347	388	412	397	345	300	280	286	3,924
2037	317	286	327	300	366	409	434	418	363	316	295	301	4,133
2038	334	302	344	316	386	431	457	440	383	333	311	317	4,354
2039	352	318	363	333	406	454	482	464	403	351	328	334	4,587
2040	371	335	382	350	428	478	507	489	425	370	345	352	4,832
2041	382	345	394	361	441	493	523	504	438	381	356	363	4,979
2042	394	355	406	372	454	508	539	519	451	392	367	374	5,131
2043	406	366	418	384	468	523	555	535	465	404	378	385	5,288
2044	418	377	431	395	482	539	572	551	479	417	389	397	5,449
2045	431	389	444	407	497	556	590	568	494	430	401	409	5,616
2046	444	401	457	420	512	573	608	585	509	443	414	422	5,787
2047	457	413	471	433	528	590	626	603	524	456	426	435	5,964
2048	471	426	486	446	544	608	645	622	540	470	439	448	6,146
2049	486	439	501	459	561	627	665	641	557	484	453	462	6,334
2050	501	452	516	473	578	646	685	660	574	499	467	476	6,527
2051	513	463	529	485	592	662	702	677	588	512	478	488	6,689
2052	526	475	542	497	607	678	720	693	603	524	490	500	6,855
2053	539	487	555	509	622	695	738	711	618	537	502	512	7,025
2054	552	499	569	522	637	713	756	728	633	551	515	525	7,199
2055	566	511	583	535	653	730	775	746	649	564	527	538	7,377
2056	580	524	598	548	669	748	794	765	665	578	540	551	7,560
2057	594	537	612	562	686	767	814	784	681	593	554	565	7,748
2058	609	550	628	576	703	786	834	803	698	607	567	579	7,940
2059	624	564	643	590	720	805	854	823	715	622	582	593	8,136
2060	640	578	659	605	738	825	876	843	733	638	596	608	8,338
2061	652	589	672	616	752	841	892	860	747	650	607	619	8,499
2062	664	600	685	628	767	857	910	876	762	663	619	631	8,662
2063	677	612	698	640	782	874	927	893	776	675	631	644	8,829
2064	690	623	711	653	797	891	945	910	791	688	643	656	8,999
2065	704	635	725	665	812	908	963	928	806	702	656	669	9,173

Salem Table 11

Salem													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	54	169	267	354	330	252	73	0	0	1,499
2018	0	0	0	60	189	298	395	368	281	82	0	0	1,672
2019	0	0	0	67	211	332	440	411	314	91	0	0	1,866
2020	0	0	0	75	235	371	491	458	350	102	0	0	2,082
2021	0	0	0	80	251	396	525	489	374	109	0	0	2,224
2022	0	0	0	86	268	423	561	523	399	116	0	0	2,375
2023	0	0	0	91	287	451	599	558	426	124	0	0	2,536
2024	0	0	0	98	306	482	639	596	455	133	0	0	2,709
2025	0	0	0	104	327	515	683	636	486	142	0	0	2,893
2026	0	0	0	111	349	550	729	680	519	151	0	0	3,089
2027	0	0	0	119	373	587	778	726	554	162	0	0	3,299
2028	0	0	0	127	398	627	831	775	592	173	0	0	3,523
2029	0	0	0	135	425	670	888	828	632	184	0	0	3,762
2030	0	0	0	145	454	715	948	884	675	197	0	0	4,017
2031	0	0	0	153	479	755	1,001	933	712	208	0	0	4,240
2032	0	0	0	161	506	797	1,056	985	752	219	0	0	4,476
2033	0	0	0	170	534	841	1,115	1,039	794	232	0	0	4,725
2034	0	0	0	180	564	888	1,177	1,097	838	244	0	0	4,987
2035	0	0	0	190	595	937	1,242	1,158	884	258	0	0	5,264
2036	0	0	0	200	628	989	1,311	1,222	934	272	0	0	5,557
2037	0	0	0	211	663	1,044	1,384	1,290	985	287	0	0	5,865
2038	0	0	0	223	700	1,102	1,461	1,362	1,040	303	0	0	6,191
2039	0	0	0	235	738	1,163	1,542	1,438	1,098	320	0	0	6,535
2040	0	0	0	248	779	1,228	1,628	1,517	1,159	338	0	0	6,898
2041	0	0	0	256	805	1,268	1,681	1,567	1,197	349	0	0	7,122
2042	0	0	0	265	831	1,309	1,736	1,618	1,236	360	0	0	7,354
2043	0	0	0	273	858	1,352	1,792	1,671	1,276	372	0	0	7,594
2044	0	0	0	282	886	1,396	1,851	1,725	1,317	384	0	0	7,841
2045	0	0	0	291	915	1,441	1,911	1,781	1,360	397	0	0	8,096
2046	0	0	0	301	945	1,488	1,973	1,839	1,404	410	0	0	8,360
2047	0	0	0	311	975	1,537	2,037	1,899	1,450	423	0	0	8,632
2048	0	0	0	321	1,007	1,587	2,104	1,961	1,497	437	0	0	8,913
2049	0	0	0	331	1,040	1,638	2,172	2,025	1,546	451	0	0	9,203
2050	0	0	0	342	1,074	1,692	2,243	2,091	1,596	466	0	0	9,503
2051	0	0	0	351	1,103	1,737	2,303	2,147	1,639	478	0	0	9,757
2052	0	0	0	361	1,132	1,783	2,364	2,204	1,683	491	0	0	10,019
2053	0	0	0	370	1,162	1,831	2,428	2,263	1,728	504	0	0	10,287
2054	0	0	0	380	1,194	1,880	2,493	2,324	1,774	518	0	0	10,562
2055	0	0	0	390	1,226	1,930	2,559	2,386	1,822	531	0	0	10,845
2056	0	0	0	401	1,258	1,982	2,628	2,450	1,871	546	0	0	11,136
2057	0	0	0	412	1,292	2,035	2,698	2,515	1,921	560	0	0	11,434
2058	0	0	0	423	1,327	2,090	2,771	2,583	1,972	575	0	0	11,739
2059	0	0	0	434	1,362	2,146	2,845	2,652	2,025	591	0	0	12,054
2060	0	0	0	446	1,398	2,203	2,921	2,723	2,079	606	0	0	12,376
2061	0	0	0	455	1,428	2,250	2,983	2,780	2,123	619	0	0	12,639
2062	0	0	0	465	1,458	2,297	3,046	2,839	2,168	632	0	0	12,907
2063	0	0	0	474	1,489	2,346	3,111	2,900	2,214	646	0	0	13,180
2064	0	0	0	485	1,521	2,396	3,177	2,961	2,261	660	0	0	13,460
1905	0	0	0	495	1,553	2,447	3,244	3,024	2,309	674	0	0	13,745

Salem Table 12

Salem													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	84	76	87	134	267	376	469	441	349	158	79	80	2,599
2018	94	85	97	149	297	419	523	492	389	176	88	89	2,898
2019	105	95	108	166	332	467	584	549	433	196	98	99	3,230
2020	117	105	120	185	370	521	651	612	483	218	109	111	3,602
2021	124	112	128	197	395	556	695	653	516	233	116	118	3,843
2022	132	120	136	211	421	594	742	697	551	248	123	126	4,100
2023	141	127	145	225	449	633	792	744	588	265	131	134	4,375
2024	150	136	155	240	480	676	845	794	627	283	140	143	4,668
2025	160	145	165	256	512	722	902	848	670	301	149	152	4,981
2026	171	154	176	273	546	770	963	905	715	322	159	162	5,315
2027	182	164	188	291	583	822	1,028	966	763	343	170	173	5,671
2028	194	175	200	310	622	877	1,097	1,031	814	366	181	184	6,051
2029	207	187	213	331	664	936	1,171	1,100	869	390	193	196	6,456
2030	220	199	227	353	708	999	1,250	1,174	927	416	205	209	6,888
2031	232	210	239	372	747	1,054	1,318	1,239	978	439	216	220	7,265
2032	244	221	252	392	788	1,112	1,391	1,307	1,032	463	228	232	7,662
2033	257	233	265	414	831	1,173	1,467	1,379	1,089	488	240	245	8,081
2034	271	245	279	436	877	1,238	1,548	1,455	1,149	515	253	258	8,523
2035	286	258	294	460	925	1,306	1,633	1,535	1,212	543	266	271	8,989
2036	301	272	310	485	975	1,377	1,723	1,619	1,278	572	280	286	9,480
2037	317	286	327	511	1,029	1,453	1,818	1,708	1,349	604	295	301	9,998
2038	334	302	344	539	1,085	1,533	1,918	1,802	1,423	636	311	317	10,545
2039	352	318	363	568	1,145	1,617	2,024	1,902	1,501	671	328	334	11,121
2040	371	335	382	599	1,207	1,706	2,135	2,006	1,584	708	345	352	11,729
2041	382	345	394	618	1,246	1,761	2,204	2,071	1,634	730	356	363	12,102
2042	394	355	406	637	1,285	1,817	2,274	2,137	1,687	753	367	374	12,486
2043	406	366	418	657	1,326	1,875	2,347	2,206	1,741	777	378	385	12,882
2044	418	377	431	678	1,369	1,935	2,423	2,276	1,796	801	389	397	13,291
2045	431	389	444	699	1,412	1,997	2,500	2,349	1,854	826	401	409	13,712
2046	444	401	457	721	1,457	2,061	2,581	2,425	1,913	852	414	422	14,147
2047	457	413	471	743	1,503	2,127	2,663	2,502	1,975	879	426	435	14,596
2048	471	426	486	767	1,551	2,195	2,749	2,583	2,038	907	439	448	15,059
2049	486	439	501	791	1,601	2,265	2,837	2,665	2,103	935	453	462	15,537
2050	501	452	516	816	1,652	2,338	2,928	2,751	2,170	965	467	476	16,030
2051	513	463	529	836	1,695	2,399	3,005	2,823	2,227	990	478	488	16,446
2052	526	475	542	858	1,739	2,462	3,084	2,898	2,286	1,015	490	500	16,873
2053	539	487	555	880	1,784	2,526	3,165	2,974	2,346	1,041	502	512	17,312
2054	552	499	569	902	1,831	2,593	3,249	3,052	2,407	1,068	515	525	17,761
2055	566	511	583	925	1,879	2,661	3,334	3,132	2,471	1,096	527	538	18,222
2056	580	524	598	949	1,928	2,730	3,422	3,215	2,535	1,124	540	551	18,696
2057	594	537	612	974	1,978	2,802	3,512	3,299	2,602	1,153	554	565	19,181
2058	609	550	628	998	2,030	2,875	3,604	3,386	2,670	1,182	567	579	19,679
2059	624	564	643	1,024	2,082	2,951	3,699	3,475	2,740	1,213	582	593	20,190
2060	640	578	659	1,050	2,137	3,028	3,796	3,566	2,812	1,244	596	608	20,714
2061	652	589	672	1,071	2,181	3,091	3,875	3,640	2,870	1,269	607	619	21,137
2062	664	600	685	1,093	2,225	3,155	3,956	3,716	2,930	1,295	619	631	21,569
2063	677	612	698	1,115	2,271	3,220	4,038	3,793	2,991	1,321	631	644	22,010
2064	690	623	711	1,137	2,318	3,287	4,121	3,872	3,052	1,348	643	656	22,459
1905	704	635	725	1,160	2,365	3,355	4,207	3,952	3,116	1,375	656	669	22,918

Salem Table 13

Salem													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	83	75	86	78	96	107	114	109	95	83	77	79	1,082
2018	91	82	94	86	105	118	125	120	105	91	85	87	1,189
2019	100	91	103	95	116	130	137	132	115	100	94	95	1,308
2020	111	100	114	105	128	143	151	146	127	110	103	105	1,441
2021	117	106	121	111	135	151	160	154	134	117	109	111	1,527
2022	124	112	128	117	143	160	170	164	142	124	116	118	1,618
2023	132	119	136	124	152	170	180	174	151	131	123	125	1,715
2024	140	126	144	132	161	180	191	184	160	139	130	133	1,819
2025	148	134	152	140	171	191	203	195	170	148	138	141	1,929
2026	157	142	162	148	181	203	215	207	180	157	146	149	2,047
2027	167	150	172	158	192	215	228	220	191	166	155	158	2,172
2028	177	160	182	167	204	228	242	233	203	176	165	168	2,306
2029	188	170	194	178	217	242	257	248	215	187	175	178	2,448
2030	199	180	206	189	230	257	273	263	229	199	186	190	2,600
2031	210	189	216	198	242	270	287	276	240	209	195	199	2,732
2032	220	199	227	208	254	284	301	290	252	220	205	209	2,870
2033	231	209	238	219	267	299	317	305	265	231	216	220	3,016
2034	243	220	251	230	281	314	333	321	279	242	227	231	3,170
2035	256	231	263	242	295	330	350	337	293	255	238	243	3,332
2036	269	243	277	254	310	347	368	354	308	268	250	255	3,502
2037	282	255	291	267	326	364	387	372	324	282	263	268	3,682
2038	297	268	306	281	343	383	406	392	340	296	277	282	3,871
2039	312	282	322	295	360	403	427	412	358	311	291	297	4,071
2040	328	297	338	310	379	424	449	433	376	327	306	312	4,281
2041	338	305	348	320	390	436	463	446	387	337	315	321	4,407
2042	348	314	359	329	402	449	476	459	399	347	324	331	4,537
2043	358	324	369	339	414	462	491	473	411	357	334	341	4,672
2044	369	333	380	349	426	476	505	487	423	368	344	351	4,810
2045	380	343	391	359	439	490	520	501	435	379	354	361	4,953
2046	391	353	403	370	452	505	535	516	448	390	364	372	5,100
2047	403	364	415	381	465	520	551	531	462	402	375	383	5,251
2048	415	375	427	392	479	535	568	547	475	414	386	394	5,407
2049	427	386	440	404	493	551	585	563	490	426	398	406	5,568
2050	440	397	453	416	508	568	602	580	504	439	410	418	5,734
2051	450	407	464	426	520	581	617	594	516	449	420	428	5,872
2052	461	417	475	436	533	595	632	608	529	460	430	438	6,014
2053	473	427	487	447	545	610	647	623	542	471	440	449	6,160
2054	484	437	499	458	559	625	663	638	555	483	451	460	6,309
2055	496	448	511	469	572	640	679	654	568	494	462	471	6,462
2056	508	459	523	480	586	655	695	670	582	506	473	482	6,619
2057	520	470	536	492	600	671	712	686	596	519	485	494	6,780
2058	533	481	549	504	615	687	729	702	611	531	496	506	6,944
2059	546	493	562	516	630	704	747	720	625	544	508	518	7,113
2060	559	505	576	528	645	721	765	737	641	557	521	531	7,286
2061	569	514	587	538	657	735	780	751	653	568	531	541	7,424
2062	580	524	598	549	670	749	794	765	665	579	541	551	7,564
2063	591	534	609	559	682	763	809	780	678	589	551	562	7,707
2064	602	544	621	570	695	777	825	794	690	601	561	572	7,853
2065	614	554	632	580	708	792	840	809	703	612	572	583	8,001

Salem Table 14

Salem													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	56	174	274	364	339	259	76	0	0	1,542
2018	0	0	0	60	189	298	395	368	281	82	0	0	1,672
2019	0	0	0	65	205	324	429	400	305	89	0	0	1,818
2020	0	0	0	71	224	352	467	436	333	97	0	0	1,980
2021	0	0	0	75	236	371	492	459	350	102	0	0	2,086
2022	0	0	0	79	249	391	519	484	369	108	0	0	2,199
2023	0	0	0	84	262	413	548	510	390	114	0	0	2,320
2024	0	0	0	88	277	436	578	539	412	120	0	0	2,449
2025	0	0	0	93	292	461	611	569	435	127	0	0	2,587
2026	0	0	0	98	309	487	645	602	459	134	0	0	2,735
2027	0	0	0	104	327	515	683	636	486	142	0	0	2,892
2028	0	0	0	110	346	545	722	673	514	150	0	0	3,060
2029	0	0	0	117	366	577	764	713	544	159	0	0	3,239
2030	0	0	0	124	388	611	810	755	576	168	0	0	3,431
2031	0	0	0	130	407	640	849	792	605	176	0	0	3,598
2032	0	0	0	136	427	672	891	831	634	185	0	0	3,775
2033	0	0	0	143	448	705	935	872	666	194	0	0	3,962
2034	0	0	0	150	470	740	981	915	699	204	0	0	4,158
2035	0	0	0	157	493	777	1,030	961	734	214	0	0	4,366
2036	0	0	0	165	518	816	1,082	1,009	770	225	0	0	4,585
2037	0	0	0	173	544	857	1,137	1,060	809	236	0	0	4,817
2038	0	0	0	182	572	901	1,194	1,113	850	248	0	0	5,061
2039	0	0	0	191	601	947	1,255	1,170	894	261	0	0	5,319
2040	0	0	0	201	632	995	1,320	1,230	939	274	0	0	5,591
2041	0	0	0	207	651	1,025	1,359	1,267	968	282	0	0	5,760
2042	0	0	0	214	671	1,056	1,400	1,305	997	291	0	0	5,934
2043	0	0	0	220	691	1,088	1,443	1,345	1,027	300	0	0	6,113
2044	0	0	0	227	712	1,121	1,487	1,386	1,058	309	0	0	6,299
2045	0	0	0	234	733	1,155	1,532	1,428	1,090	318	0	0	6,490
2046	0	0	0	241	756	1,190	1,578	1,471	1,124	328	0	0	6,688
2047	0	0	0	248	779	1,227	1,627	1,516	1,158	338	0	0	6,892
2048	0	0	0	256	803	1,264	1,676	1,563	1,193	348	0	0	7,103
2049	0	0	0	264	827	1,303	1,728	1,611	1,230	359	0	0	7,320
2050	0	0	0	272	853	1,343	1,781	1,660	1,268	370	0	0	7,545
2051	0	0	0	278	874	1,377	1,826	1,702	1,300	379	0	0	7,736
2052	0	0	0	286	896	1,412	1,872	1,745	1,333	389	0	0	7,932
2053	0	0	0	293	919	1,448	1,919	1,789	1,366	399	0	0	8,133
2054	0	0	0	300	942	1,484	1,968	1,835	1,401	409	0	0	8,340
2055	0	0	0	308	966	1,522	2,018	1,881	1,437	419	0	0	8,552
2056	0	0	0	316	991	1,561	2,070	1,929	1,473	430	0	0	8,770
2057	0	0	0	324	1,016	1,601	2,122	1,978	1,511	441	0	0	8,993
2058	0	0	0	332	1,042	1,642	2,177	2,029	1,549	452	0	0	9,223
2059	0	0	0	340	1,069	1,684	2,232	2,081	1,589	463	0	0	9,458
2060	0	0	0	349	1,096	1,727	2,289	2,134	1,630	475	0	0	9,700
2061	0	0	0	356	1,118	1,762	2,336	2,177	1,663	485	0	0	9,897
2062	0	0	0	364	1,141	1,797	2,383	2,222	1,696	495	0	0	10,098
2063	0	0	0	371	1,164	1,834	2,432	2,267	1,731	505	0	0	10,303
2064	0	0	0	378	1,188	1,871	2,481	2,313	1,766	515	0	0	10,513
1905	0	0	0	386	1,212	1,909	2,532	2,360	1,802	526	0	0	10,727

Salem Table 15

Salem													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	83	75	86	134	270	382	478	449	354	158	77	79	2,624
2018	91	82	94	146	294	415	520	488	385	173	85	87	2,861
2019	100	91	103	160	321	453	566	532	420	189	94	95	3,126
2020	111	100	114	176	351	495	619	581	459	207	103	105	3,421
2021	117	106	121	186	371	522	653	613	485	219	109	111	3,613
2022	124	112	128	197	392	552	689	648	512	232	116	118	3,817
2023	132	119	136	208	414	583	728	684	541	245	123	125	4,035
2024	140	126	144	220	438	616	769	723	571	259	130	133	4,268
2025	148	134	152	233	463	652	813	764	604	274	138	141	4,517
2026	157	142	162	247	490	689	860	809	639	291	146	149	4,782
2027	167	150	172	262	519	730	911	856	677	308	155	158	5,064
2028	177	160	182	277	550	773	964	906	717	326	165	168	5,366
2029	188	170	194	294	583	819	1,022	960	759	346	175	178	5,688
2030	199	180	206	312	618	868	1,083	1,018	805	367	186	190	6,031
2031	210	189	216	328	648	911	1,136	1,068	845	385	195	199	6,330
2032	220	199	227	344	681	956	1,192	1,121	887	404	205	209	6,645
2033	231	209	238	361	715	1,004	1,252	1,177	931	425	216	220	6,977
2034	243	220	251	380	751	1,054	1,314	1,235	977	446	227	231	7,328
2035	256	231	263	399	788	1,107	1,380	1,298	1,026	469	238	243	7,698
2036	269	243	277	419	828	1,163	1,450	1,363	1,078	493	250	255	8,088
2037	282	255	291	440	870	1,222	1,523	1,432	1,133	518	263	268	8,499
2038	297	268	306	463	915	1,284	1,601	1,505	1,191	544	277	282	8,932
2039	312	282	322	487	961	1,350	1,683	1,582	1,251	572	291	297	9,390
2040	328	297	338	512	1,011	1,419	1,769	1,663	1,316	601	306	312	9,872
2041	338	305	348	527	1,041	1,461	1,822	1,713	1,355	619	315	321	10,167
2042	348	314	359	543	1,072	1,505	1,877	1,764	1,396	638	324	331	10,471
2043	358	324	369	559	1,104	1,551	1,933	1,818	1,438	657	334	341	10,785
2044	369	333	380	576	1,138	1,597	1,992	1,872	1,481	677	344	351	11,109
2045	380	343	391	593	1,172	1,645	2,052	1,929	1,526	697	354	361	11,443
2046	391	353	403	611	1,207	1,695	2,114	1,987	1,572	718	364	372	11,788
2047	403	364	415	629	1,244	1,747	2,178	2,047	1,620	739	375	383	12,143
2048	415	375	427	648	1,281	1,800	2,244	2,110	1,669	762	386	394	12,510
2049	427	386	440	667	1,320	1,854	2,312	2,174	1,719	785	398	406	12,888
2050	440	397	453	687	1,360	1,911	2,383	2,240	1,772	808	410	418	13,279
2051	450	407	464	704	1,394	1,958	2,442	2,296	1,816	828	420	428	13,608
2052	461	417	475	722	1,429	2,007	2,504	2,353	1,861	849	430	438	13,947
2053	473	427	487	740	1,464	2,057	2,566	2,412	1,908	870	440	449	14,293
2054	484	437	499	758	1,501	2,109	2,631	2,473	1,956	891	451	460	14,649
2055	496	448	511	777	1,539	2,162	2,697	2,535	2,005	913	462	471	15,014
2056	508	459	523	796	1,577	2,216	2,765	2,599	2,055	936	473	482	15,389
2057	520	470	536	815	1,616	2,272	2,834	2,664	2,107	959	485	494	15,773
2058	533	481	549	836	1,657	2,329	2,906	2,731	2,160	983	496	506	16,167
2059	546	493	562	856	1,699	2,388	2,979	2,800	2,214	1,007	508	518	16,571
2060	559	505	576	878	1,741	2,448	3,054	2,871	2,270	1,033	521	531	16,986
2061	569	514	587	895	1,776	2,496	3,115	2,928	2,315	1,053	531	541	17,321
2062	580	524	598	912	1,811	2,546	3,177	2,987	2,361	1,073	541	551	17,662
2063	591	534	609	930	1,847	2,597	3,241	3,046	2,409	1,094	551	562	18,010
2064	602	544	621	948	1,883	2,649	3,306	3,107	2,457	1,116	561	572	18,366
1905	614	554	632	966	1,921	2,701	3,372	3,169	2,506	1,138	572	583	18,728

Salem Table 16

Salem													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	83	75	86	78	96	107	114	109	95	83	77	79	1,082
2018	91	82	94	86	105	117	124	120	104	91	85	86	1,185
2019	100	90	103	94	115	129	136	131	114	99	93	95	1,299
2020	109	99	113	103	126	141	150	144	125	109	102	104	1,426
2021	115	104	119	109	133	149	158	152	132	115	107	110	1,503
2022	122	110	125	115	140	157	166	160	139	121	113	116	1,585
2023	128	116	132	121	148	166	176	169	147	128	120	122	1,673
2024	135	122	140	128	156	175	185	179	155	135	126	129	1,765
2025	143	129	147	135	165	184	196	189	164	143	133	136	1,864
2026	151	136	156	143	174	195	207	199	173	151	141	143	1,968
2027	159	144	164	151	184	206	218	210	183	159	149	152	2,079
2028	169	152	174	159	195	217	231	222	193	168	157	160	2,197
2029	178	161	184	168	206	230	244	235	204	178	166	169	2,322
2030	188	170	194	178	217	243	258	248	216	188	175	179	2,455
2031	197	178	203	187	228	255	270	260	226	197	184	187	2,572
2032	207	187	213	195	239	267	283	273	237	206	193	196	2,695
2033	217	196	223	205	250	280	297	286	248	216	202	206	2,824
2034	227	205	234	215	262	293	311	299	260	226	212	216	2,960
2035	238	215	245	225	275	307	326	314	273	237	222	226	3,103
2036	250	225	257	236	288	322	342	329	286	249	233	237	3,253
2037	262	236	270	247	302	338	358	345	300	261	244	249	3,411
2038	274	248	283	259	317	354	376	362	314	274	256	261	3,577
2039	288	260	297	272	332	371	394	379	330	287	268	273	3,751
2040	302	273	311	285	348	389	413	398	346	301	281	287	3,934
2041	310	280	320	293	358	400	425	409	356	309	289	295	4,046
2042	319	288	329	302	368	412	437	421	366	318	297	303	4,160
2043	328	296	338	310	379	423	449	433	376	327	306	312	4,279
2044	338	305	348	319	390	436	462	445	387	337	314	321	4,400
2045	347	313	358	328	401	448	475	458	398	346	323	330	4,525
2046	357	322	368	338	412	461	489	471	409	356	333	339	4,654
2047	367	332	378	347	424	474	503	484	421	366	342	349	4,787
2048	378	341	389	357	436	487	517	498	433	377	352	359	4,923
2049	388	351	400	367	448	501	532	512	445	387	362	369	5,064
2050	399	361	412	378	461	516	547	527	458	398	372	380	5,208
2051	409	369	421	386	472	527	559	539	468	407	381	388	5,328
2052	418	378	431	395	483	539	572	551	479	417	390	397	5,450
2053	428	386	441	404	494	552	585	564	490	426	398	406	5,575
2054	437	395	451	414	505	565	599	577	501	436	408	416	5,704
2055	448	404	461	423	517	578	613	590	513	446	417	425	5,835
2056	458	413	472	433	529	591	627	604	525	457	427	435	5,969
2057	468	423	483	443	541	604	641	618	537	467	436	445	6,107
2058	479	433	494	453	553	618	656	632	549	478	447	455	6,248
2059	490	443	505	464	566	633	671	647	562	489	457	466	6,392
2060	502	453	517	474	579	647	687	661	575	500	467	477	6,539
2061	510	461	526	483	589	659	699	673	585	509	476	485	6,653
2062	519	469	535	491	599	670	711	685	595	518	484	493	6,769
2063	528	477	544	499	610	682	723	697	606	527	492	502	6,887
2064	537	485	554	508	620	694	736	709	616	536	501	511	7,007
2065	547	494	564	517	631	706	749	721	627	545	510	520	7,129

Salem Table 17

Salem													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	56	174	274	364	339	259	76	0	0	1,542
2018	0	0	0	60	187	295	391	364	278	81	0	0	1,655
2019	0	0	0	64	201	317	420	392	299	87	0	0	1,781
2020	0	0	0	69	217	342	453	422	322	94	0	0	1,919
2021	0	0	0	72	225	355	470	438	335	98	0	0	1,992
2022	0	0	0	74	234	368	488	455	348	101	0	0	2,069
2023	0	0	0	77	243	383	507	473	361	105	0	0	2,150
2024	0	0	0	80	253	398	527	492	376	110	0	0	2,235
2025	0	0	0	84	263	414	549	511	391	114	0	0	2,325
2026	0	0	0	87	273	431	571	532	406	119	0	0	2,420
2027	0	0	0	91	285	448	595	554	423	123	0	0	2,519
2028	0	0	0	94	297	467	619	577	441	129	0	0	2,624
2029	0	0	0	98	309	487	645	602	459	134	0	0	2,734
2030	0	0	0	103	322	507	673	627	479	140	0	0	2,850
2031	0	0	0	107	334	527	699	651	497	145	0	0	2,960
2032	0	0	0	111	347	547	726	676	517	151	0	0	3,075
2033	0	0	0	115	361	569	754	703	537	157	0	0	3,195
2034	0	0	0	120	375	591	784	731	558	163	0	0	3,321
2035	0	0	0	124	390	615	815	760	580	169	0	0	3,452
2036	0	0	0	129	406	639	847	790	603	176	0	0	3,590
2037	0	0	0	134	422	665	881	821	627	183	0	0	3,734
2038	0	0	0	140	439	691	917	855	653	190	0	0	3,884
2039	0	0	0	145	457	719	954	889	679	198	0	0	4,041
2040	0	0	0	151	475	749	993	925	707	206	0	0	4,206
2041	0	0	0	155	488	768	1,018	949	725	211	0	0	4,314
2042	0	0	0	159	500	788	1,045	974	744	217	0	0	4,426
2043	0	0	0	163	513	808	1,072	999	763	223	0	0	4,541
2044	0	0	0	168	526	829	1,100	1,025	783	228	0	0	4,659
2045	0	0	0	172	540	851	1,128	1,052	803	234	0	0	4,781
2046	0	0	0	177	554	873	1,158	1,079	824	240	0	0	4,906
2047	0	0	0	181	569	896	1,188	1,108	846	247	0	0	5,035
2048	0	0	0	186	584	920	1,219	1,137	868	253	0	0	5,167
2049	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2050	0	0	0	196	615	969	1,285	1,197	914	267	0	0	5,443
2051	0	0	0	200	628	989	1,312	1,223	934	272	0	0	5,558
2052	0	0	0	204	641	1,010	1,339	1,248	953	278	0	0	5,675
2053	0	0	0	209	655	1,031	1,367	1,275	973	284	0	0	5,794
2054	0	0	0	213	669	1,053	1,396	1,302	994	290	0	0	5,917
2055	0	0	0	218	683	1,076	1,426	1,329	1,015	296	0	0	6,042
2056	0	0	0	222	697	1,098	1,456	1,357	1,037	302	0	0	6,170
2057	0	0	0	227	712	1,122	1,487	1,386	1,059	309	0	0	6,301
2058	0	0	0	232	727	1,146	1,519	1,416	1,081	315	0	0	6,435
2059	0	0	0	237	743	1,170	1,551	1,446	1,104	322	0	0	6,573
2060	0	0	0	242	759	1,195	1,584	1,477	1,128	329	0	0	6,713
2061	0	0	0	245	770	1,213	1,608	1,499	1,145	334	0	0	6,815
2062	0	0	0	249	782	1,231	1,633	1,522	1,162	339	0	0	6,918
2063	0	0	0	253	794	1,250	1,657	1,545	1,180	344	0	0	7,023
2064	0	0	0	257	806	1,269	1,683	1,569	1,198	349	0	0	7,130
1905	0	0	0	261	818	1,288	1,708	1,592	1,216	355	0	0	7,238

Salem Table 18

Salem													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	83	75	86	134	270	382	478	449	354	158	77	79	2,624
2018	91	82	94	146	292	412	515	484	382	172	85	86	2,840
2019	100	90	103	158	316	446	557	523	413	187	93	95	3,080
2020	109	99	113	173	343	483	603	566	448	203	102	104	3,345
2021	115	104	119	181	358	503	628	590	467	213	107	110	3,495
2022	122	110	125	189	374	525	655	616	487	223	113	116	3,654
2023	128	116	132	199	391	548	683	642	508	233	120	122	3,822
2024	135	122	140	208	409	573	713	670	531	245	126	129	4,000
2025	143	129	147	219	428	598	744	700	554	256	133	136	4,189
2026	151	136	156	230	448	625	778	731	580	269	141	143	4,388
2027	159	144	164	241	469	654	813	765	606	282	149	152	4,598
2028	169	152	174	254	491	684	850	799	634	297	157	160	4,821
2029	178	161	184	267	515	717	889	836	663	312	166	169	5,056
2030	188	170	194	281	539	750	930	875	695	327	175	179	5,305
2031	197	178	203	293	562	781	969	911	723	342	184	187	5,532
2032	207	187	213	306	586	814	1,009	949	754	357	193	196	5,770
2033	217	196	223	320	611	848	1,051	989	785	373	202	206	6,020
2034	227	205	234	334	637	884	1,095	1,030	818	389	212	216	6,281
2035	238	215	245	349	665	922	1,141	1,073	853	407	222	226	6,556
2036	250	225	257	365	694	961	1,189	1,119	889	425	233	237	6,843
2037	262	236	270	382	724	1,002	1,239	1,166	927	444	244	249	7,145
2038	274	248	283	399	756	1,045	1,292	1,216	967	464	256	261	7,461
2039	288	260	297	418	789	1,091	1,348	1,269	1,009	485	268	273	7,793
2040	302	273	311	437	824	1,138	1,406	1,323	1,052	507	281	287	8,140
2041	310	280	320	449	846	1,168	1,443	1,358	1,081	521	289	295	8,360
2042	319	288	329	461	869	1,200	1,481	1,395	1,109	535	297	303	8,587
2043	328	296	338	474	892	1,232	1,521	1,432	1,139	550	306	312	8,820
2044	338	305	348	487	916	1,265	1,562	1,470	1,170	565	314	321	9,059
2045	347	313	358	500	941	1,299	1,603	1,510	1,201	580	323	330	9,306
2046	357	322	368	514	966	1,334	1,646	1,550	1,233	596	333	339	9,560
2047	367	332	378	528	993	1,370	1,691	1,592	1,267	613	342	349	9,821
2048	378	341	389	543	1,020	1,407	1,736	1,635	1,301	630	352	359	10,090
2049	388	351	400	558	1,048	1,445	1,783	1,679	1,336	647	362	369	10,367
2050	399	361	412	574	1,076	1,484	1,831	1,724	1,372	665	372	380	10,651
2051	409	369	421	586	1,100	1,517	1,871	1,762	1,402	680	381	388	10,885
2052	418	378	431	600	1,124	1,550	1,912	1,800	1,433	695	390	397	11,125
2053	428	386	441	613	1,148	1,583	1,953	1,839	1,464	710	398	406	11,370
2054	437	395	451	627	1,174	1,618	1,995	1,879	1,496	726	408	416	11,621
2055	448	404	461	641	1,199	1,653	2,039	1,920	1,528	742	417	425	11,877
2056	458	413	472	655	1,226	1,689	2,083	1,961	1,561	759	427	435	12,140
2057	468	423	483	670	1,253	1,726	2,128	2,004	1,596	776	436	445	12,408
2058	479	433	494	685	1,280	1,764	2,175	2,048	1,630	793	447	455	12,683
2059	490	443	505	700	1,309	1,803	2,222	2,093	1,666	811	457	466	12,964
2060	502	453	517	716	1,338	1,842	2,271	2,138	1,703	829	467	477	13,252
2061	510	461	526	728	1,359	1,872	2,307	2,172	1,730	843	476	485	13,468
2062	519	469	535	740	1,381	1,901	2,343	2,207	1,757	857	484	493	13,687
2063	528	477	544	752	1,403	1,932	2,381	2,242	1,785	871	492	502	13,910
2064	537	485	554	765	1,426	1,963	2,418	2,277	1,814	885	501	511	14,137
1905	547	494	564	778	1,449	1,994	2,457	2,314	1,843	900	510	520	14,368

Salem Table 19

Salem													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	101	92	104	96	114	124	131	127	112	101	95	97	1,294
2017	17	15	17	17	16	15	15	15	16	17	17	17	194
2018	16	15	16	16	16	14	14	15	15	16	16	17	186
2019	16	14	15	15	15	13	13	14	14	16	15	16	176
2020	15	13	15	15	14	12	12	13	13	15	15	15	166
2021	14	13	14	14	13	11	12	12	13	14	14	15	159
2022	14	12	14	14	13	11	11	11	12	14	14	14	152
2023	13	12	13	13	12	10	10	10	11	13	13	14	144
2024	13	11	12	12	11	9	9	10	10	13	13	13	136
2025	12	11	12	12	10	8	8	9	10	12	12	12	128
2026	11	10	11	11	10	7	7	8	9	11	11	12	118
2027	10	9	10	10	9	6	6	7	8	10	11	11	109
2028	10	9	9	10	8	5	5	6	7	10	10	10	98
2029	9	8	8	9	7	4	4	5	6	9	9	9	87
2030	8	7	7	8	6	3	3	3	5	8	8	9	75
2031	7	6	7	7	5	2	2	2	4	7	7	8	65
2032	6	6	6	6	4	1	0	1	3	6	7	7	54
2033	5	5	5	6	3	0	-1	0	2	5	6	6	42
2034	4	4	4	5	2	-1	-2	-1	1	4	5	5	30
2035	3	3	3	4	1	-3	-3	-2	0	4	4	4	18
2036	2	2	2	3	-1	-4	-5	-4	-1	3	3	3	4
2037	1	1	1	2	-2	-5	-6	-5	-2	1	2	2	-10
2038	0	0	0	1	-3	-7	-8	-7	-4	0	1	1	-25
2039	-1	-1	-2	0	-4	-8	-9	-8	-5	-1	0	0	-40
2040	-2	-2	-3	-2	-6	-10	-11	-10	-6	-2	-1	-1	-57
2041	-3	-3	-4	-2	-7	-11	-12	-11	-7	-3	-2	-2	-67
2042	-4	-3	-5	-3	-8	-12	-13	-12	-8	-4	-3	-2	-77
2043	-5	-4	-5	-4	-9	-13	-14	-13	-9	-5	-3	-3	-87
2044	-5	-5	-6	-5	-10	-14	-16	-14	-10	-5	-4	-4	-98
2045	-6	-6	-7	-5	-11	-15	-17	-15	-11	-6	-5	-5	-109
2046	-7	-6	-8	-6	-12	-16	-18	-16	-12	-7	-6	-6	-121
2047	-8	-7	-9	-7	-13	-17	-19	-18	-13	-8	-7	-7	-133
2048	-9	-8	-10	-8	-14	-19	-20	-19	-14	-9	-8	-7	-145
2049	-10	-9	-11	-9	-15	-20	-22	-20	-15	-10	-9	-8	-158
2050	-24	-22	-26	-23	-32	-39	-42	-39	-32	-24	-22	-22	-346
2051	-37	-33	-39	-34	-46	-55	-58	-56	-46	-37	-34	-34	-508
2052	-50	-45	-52	-46	-61	-71	-76	-72	-61	-49	-45	-46	-674
2053	-63	-57	-65	-59	-76	-88	-94	-90	-76	-62	-58	-58	-843
2054	-76	-69	-79	-71	-91	-105	-112	-107	-91	-76	-70	-71	-1,018
2055	-90	-81	-93	-84	-107	-123	-131	-125	-107	-89	-83	-84	-1,196
2056	-104	-94	-107	-98	-123	-141	-150	-144	-123	-103	-96	-97	-1,379
2057	-118	-107	-122	-111	-140	-159	-170	-163	-139	-118	-109	-111	-1,566
2058	-133	-120	-137	-125	-157	-178	-190	-182	-156	-132	-123	-125	-1,758
2059	-148	-134	-153	-139	-174	-198	-210	-202	-173	-147	-137	-139	-1,955
2060	-163	-147	-169	-154	-192	-218	-232	-222	-191	-163	-151	-154	-2,157
2061	-176	-159	-182	-166	-206	-234	-249	-239	-205	-175	-163	-166	-2,318
2062	-188	-170	-195	-177	-221	-250	-266	-255	-220	-188	-175	-178	-2,481
2063	-201	-182	-208	-190	-235	-266	-283	-272	-234	-200	-187	-190	-2,648
2064	-214	-193	-221	-202	-250	-283	-301	-289	-249	-213	-199	-202	-2,818
2065	-227	-205	-235	-214	-266	-300	-319	-307	-265	-227	-211	-215	-2,992

Salem Table 20

Salem													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	45	283	562	670	609	469	311	88	0	0	1,438
2017	0	0	45	229	392	403	256	140	59	15	0	0	-61
2018	0	0	51	263	458	486	317	187	82	21	0	0	63
2019	0	0	58	302	532	579	386	241	108	27	0	0	199
2020	0	0	65	345	614	682	462	300	137	35	0	0	351
2021	0	0	70	373	666	747	511	338	155	39	0	0	447
2022	0	0	75	403	722	818	563	378	174	44	0	0	549
2023	0	0	80	434	782	892	618	421	195	50	0	0	657
2024	0	0	86	468	845	972	677	466	216	55	0	0	772
2025	0	0	93	536	1,013	1,215	949	710	389	105	0	0	1,783
2026	0	0	99	574	1,085	1,305	1,016	761	413	111	0	0	1,912
2027	0	0	106	614	1,162	1,401	1,086	816	440	118	0	0	2,050
2028	0	0	114	658	1,243	1,504	1,162	874	467	125	0	0	2,197
2029	0	0	122	704	1,330	1,613	1,242	936	497	132	0	0	2,352
2030	0	0	130	753	1,423	1,729	1,327	1,002	528	140	0	0	2,517
2031	0	0	138	795	1,503	1,829	1,401	1,059	555	147	0	0	2,659
2032	0	0	146	840	1,587	1,935	1,478	1,119	583	154	0	0	2,807
2033	0	0	154	887	1,676	2,046	1,559	1,181	613	162	0	0	2,963
2034	0	0	163	937	1,769	2,162	1,645	1,247	644	170	0	0	3,126
2035	0	0	172	989	1,867	2,286	1,735	1,317	677	178	0	0	3,298
2036	0	0	179	1,030	1,942	2,376	1,794	1,360	694	182	0	0	3,377
2037	0	0	177	1,001	1,872	2,288	1,690	1,272	626	162	0	0	2,909
2038	0	0	173	966	1,791	2,186	1,573	1,175	551	140	0	0	2,377
2039	0	0	159	872	1,599	1,973	1,351	1,010	421	101	0	0	1,815
2040	0	0	144	772	1,396	1,749	1,118	836	285	61	0	0	1,223
2041	0	0	135	711	1,273	1,613	976	730	202	37	0	0	861
2042	0	0	125	649	1,147	1,473	829	621	116	11	0	0	487
2043	0	0	116	585	1,016	1,328	678	508	28	-15	0	0	101
2044	0	0	106	519	882	1,179	522	392	-63	-42	0	0	-297
2045	0	0	96	451	743	1,025	362	272	-157	-70	0	0	-707
2046	0	0	85	381	600	866	196	148	-254	-99	0	0	-1,131
2047	0	0	75	309	453	703	25	20	-354	-128	0	0	-1,568
2048	0	0	64	234	301	534	-151	-111	-457	-159	0	0	-2,019
2049	0	0	52	157	144	360	-333	-247	-564	-190	0	0	-2,484
2050	0	0	52	145	107	303	-407	-315	-616	-205	0	0	-2,788
2051	0	0	52	136	78	258	-467	-371	-658	-218	0	0	-3,043
2052	0	0	52	126	48	212	-529	-429	-702	-231	0	0	-3,304
2053	0	0	52	116	18	164	-592	-488	-747	-244	0	0	-3,572
2054	0	0	52	107	-13	115	-657	-548	-794	-257	0	0	-3,848
2055	0	0	52	96	-45	65	-724	-611	-841	-271	0	0	-4,131
2056	0	0	52	86	-78	13	-792	-674	-890	-285	0	0	-4,421
2057	0	0	52	75	-111	-40	-863	-740	-940	-300	0	0	-4,719
2058	0	0	52	64	-146	-95	-935	-807	-991	-315	0	0	-5,025
2059	0	0	52	53	-181	-151	-1,009	-876	-1,044	-330	0	0	-5,339
2060	0	0	52	41	-218	-208	-1,085	-947	-1,098	-346	0	0	-5,662
2061	0	0	52	32	-248	-255	-1,147	-1,005	-1,142	-359	0	0	-5,924
2062	0	0	52	22	-278	-302	-1,210	-1,064	-1,187	-372	0	0	-6,192
2063	0	0	52	12	-309	-351	-1,275	-1,124	-1,233	-386	0	0	-6,466
2064	0	0	52	2	-340	-401	-1,341	-1,186	-1,280	-399	0	0	-6,745
2065	0	0	52	-8	-373	-452	-1,408	-1,249	-1,328	-413	0	0	-7,031

Salem Table 21

Salem													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	101	92	149	379	675	794	740	596	423	189	95	97	2,732
2017	17	15	62	245	409	418	271	155	75	32	17	17	133
2018	16	15	67	279	474	500	332	202	97	37	16	17	248
2019	16	14	73	318	547	592	399	254	122	43	15	16	376
2020	15	13	80	360	628	694	475	313	150	50	15	15	517
2021	14	13	84	387	679	759	523	350	167	54	14	15	606
2022	14	12	89	416	735	828	574	389	186	58	14	14	701
2023	13	12	93	447	794	902	628	431	206	63	13	14	801
2024	13	11	99	480	856	981	686	476	227	68	13	13	908
2025	12	11	104	547	1,024	1,223	957	719	399	117	12	12	1,910
2026	11	10	110	585	1,095	1,313	1,023	769	422	122	11	12	2,031
2027	10	9	116	625	1,170	1,408	1,093	823	448	128	11	11	2,159
2028	10	9	123	667	1,251	1,509	1,167	880	475	134	10	10	2,295
2029	9	8	130	712	1,337	1,617	1,246	941	503	141	9	9	2,439
2030	8	7	138	761	1,429	1,732	1,330	1,006	533	148	8	9	2,592
2031	7	6	145	802	1,508	1,831	1,402	1,061	559	154	7	8	2,723
2032	6	6	152	846	1,591	1,936	1,478	1,120	587	161	7	7	2,861
2033	5	5	159	893	1,678	2,045	1,558	1,181	615	167	6	6	3,005
2034	4	4	167	941	1,771	2,161	1,643	1,246	645	174	5	5	3,157
2035	3	3	175	993	1,868	2,283	1,731	1,314	677	182	4	4	3,316
2036	2	2	181	1,033	1,941	2,372	1,790	1,356	692	184	3	3	3,382
2037	1	1	177	1,003	1,870	2,282	1,684	1,267	623	163	2	2	2,899
2038	0	0	172	967	1,788	2,180	1,565	1,169	547	140	1	1	2,352
2039	-1	-1	157	871	1,594	1,965	1,342	1,002	416	101	0	0	1,774
2040	-2	-2	141	770	1,390	1,739	1,107	826	279	59	-1	-1	1,166
2041	-3	-3	131	709	1,266	1,602	964	719	195	34	-2	-2	794
2042	-4	-3	121	646	1,139	1,461	816	609	108	7	-3	-2	410
2043	-5	-4	111	581	1,007	1,315	664	495	19	-20	-3	-3	14
2044	-5	-5	100	515	872	1,165	507	378	-73	-47	-4	-4	-395
2045	-6	-6	89	446	732	1,010	345	256	-168	-76	-5	-5	-817
2046	-7	-6	77	375	588	850	178	131	-266	-106	-6	-6	-1,252
2047	-8	-7	66	302	440	685	6	3	-367	-136	-7	-7	-1,701
2048	-9	-8	54	226	287	516	-172	-130	-471	-168	-8	-7	-2,164
2049	-10	-9	41	148	129	340	-355	-267	-579	-200	-9	-8	-2,641
2050	-24	-22	26	122	75	265	-449	-354	-648	-230	-22	-22	-3,134
2051	-37	-33	13	101	32	204	-526	-427	-705	-255	-34	-34	-3,551
2052	-50	-45	0	80	-12	141	-605	-501	-763	-280	-45	-46	-3,978
2053	-63	-57	-13	58	-57	76	-686	-577	-823	-306	-58	-58	-4,416
2054	-76	-69	-27	35	-104	10	-769	-656	-885	-333	-70	-71	-4,866
2055	-90	-81	-41	12	-152	-58	-855	-736	-948	-361	-83	-84	-5,327
2056	-104	-94	-56	-12	-201	-128	-942	-818	-1,013	-389	-96	-97	-5,800
2057	-118	-107	-70	-36	-251	-200	-1,032	-903	-1,079	-418	-109	-111	-6,285
2058	-133	-120	-86	-61	-303	-273	-1,125	-989	-1,147	-447	-123	-125	-6,783
2059	-148	-134	-101	-86	-356	-348	-1,220	-1,078	-1,218	-478	-137	-139	-7,294
2060	-163	-147	-117	-113	-410	-426	-1,317	-1,170	-1,289	-509	-151	-154	-7,818
2061	-176	-159	-130	-134	-454	-488	-1,396	-1,244	-1,348	-534	-163	-166	-8,242
2062	-188	-170	-143	-155	-498	-552	-1,476	-1,319	-1,407	-560	-175	-178	-8,673
2063	-201	-182	-156	-177	-544	-618	-1,558	-1,396	-1,468	-586	-187	-190	-9,114
2064	-214	-193	-169	-200	-591	-684	-1,642	-1,475	-1,530	-613	-199	-202	-9,564
2065	-227	-205	-183	-223	-638	-752	-1,728	-1,555	-1,593	-640	-211	-215	-10,022

Salem Table 22

Salem													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	101	92	104	96	114	124	131	127	112	101	95	97	1,294
2017	18	17	18	18	18	17	17	17	17	18	18	19	212
2018	19	17	19	19	19	18	18	18	18	19	19	19	222
2019	20	18	20	19	20	19	19	19	19	20	19	20	232
2020	21	19	21	20	21	20	20	20	20	21	20	21	244
2021	21	19	21	21	21	21	21	21	21	21	21	21	251
2022	22	20	22	21	22	21	22	22	21	22	21	22	259
2023	23	20	23	22	23	22	23	23	22	23	22	23	268
2024	23	21	23	23	24	23	24	24	23	23	23	23	277
2025	24	22	24	23	24	24	25	25	24	24	23	24	287
2026	25	23	25	24	25	25	26	26	25	25	24	25	297
2027	26	23	26	25	26	26	27	27	26	26	25	26	308
2028	27	24	27	26	27	27	28	28	27	27	26	26	320
2029	28	25	28	27	29	29	30	29	28	28	27	27	333
2030	29	26	29	28	30	30	31	31	29	29	28	28	346
2031	30	27	30	28	31	31	32	32	30	30	28	29	358
2032	31	28	31	29	32	32	34	33	31	30	29	30	370
2033	31	28	32	30	33	34	35	35	32	31	30	31	383
2034	33	29	33	31	34	35	36	36	33	33	31	32	396
2035	34	30	34	32	35	36	38	37	35	34	32	33	411
2036	35	31	35	33	37	38	40	39	36	35	33	34	426
2037	36	33	36	35	38	39	41	40	37	36	34	35	442
2038	37	34	38	36	40	41	43	42	39	37	36	37	458
2039	39	35	39	37	41	43	45	44	40	39	37	38	476
2040	40	36	41	38	43	45	47	46	42	40	38	39	494
2041	41	37	41	39	44	46	48	47	43	41	39	40	506
2042	42	38	42	40	45	47	49	48	44	42	40	41	517
2043	43	39	43	41	46	48	50	49	45	43	41	42	529
2044	44	39	44	42	47	49	52	51	46	44	41	43	541
2045	45	40	45	43	48	50	53	52	47	45	42	43	554
2046	46	41	46	44	49	52	54	53	48	46	43	44	567
2047	47	42	47	45	50	53	56	54	50	47	44	45	580
2048	48	43	48	46	52	54	57	56	51	48	45	46	594
2049	49	44	50	47	53	56	59	57	52	49	46	47	608
2050	36	33	37	35	39	40	42	41	38	36	35	36	447
2051	26	23	26	25	26	26	27	27	26	26	25	26	309
2052	15	13	15	15	14	12	12	13	13	15	15	15	167
2053	4	3	3	4	1	-2	-3	-2	0	4	4	5	21
2054	-8	-7	-9	-7	-12	-17	-19	-17	-13	-8	-6	-6	-128
2055	-19	-18	-21	-18	-26	-32	-35	-33	-26	-19	-17	-17	-281
2056	-31	-28	-33	-29	-40	-48	-51	-48	-40	-31	-29	-29	-438
2057	-44	-40	-46	-41	-54	-64	-68	-65	-54	-44	-40	-41	-599
2058	-56	-51	-59	-53	-69	-80	-85	-81	-69	-56	-52	-53	-763
2059	-69	-63	-72	-65	-83	-97	-103	-98	-83	-69	-64	-65	-932
2060	-83	-75	-86	-78	-99	-114	-121	-116	-99	-82	-76	-77	-1,105
2061	-93	-84	-97	-88	-111	-127	-136	-130	-111	-93	-86	-87	-1,242
2062	-104	-94	-108	-98	-123	-141	-150	-144	-123	-104	-96	-98	-1,383
2063	-115	-104	-119	-108	-136	-155	-165	-159	-136	-115	-106	-108	-1,526
2064	-126	-114	-131	-119	-149	-170	-181	-173	-148	-126	-117	-119	-1,672
2065	-137	-124	-142	-130	-162	-184	-196	-188	-162	-137	-127	-130	-1,820

Salem Table 23

Salem													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	45	283	562	670	609	469	311	88	0	0	1,438
2017	0	0	45	227	387	395	246	130	52	13	0	0	-104
2018	0	0	51	263	458	486	318	187	82	21	0	0	63
2019	0	0	58	304	537	587	398	251	116	30	0	0	248
2020	0	0	65	349	625	700	487	323	154	40	0	0	454
2021	0	0	70	378	682	772	544	368	178	46	0	0	585
2022	0	0	75	409	742	849	605	417	204	53	0	0	724
2023	0	0	80	442	806	931	669	468	231	60	0	0	873
2024	0	0	86	477	874	1,018	738	523	260	68	0	0	1,031
2025	0	0	93	547	1,048	1,269	1,021	777	440	120	0	0	2,088
2026	0	0	99	587	1,125	1,368	1,099	839	473	128	0	0	2,267
2027	0	0	106	629	1,208	1,474	1,182	906	508	138	0	0	2,457
2028	0	0	114	674	1,296	1,586	1,271	976	545	147	0	0	2,659
2029	0	0	122	722	1,389	1,706	1,365	1,051	585	158	0	0	2,875
2030	0	0	130	774	1,489	1,833	1,466	1,131	627	169	0	0	3,104
2031	0	0	138	818	1,575	1,943	1,552	1,200	663	179	0	0	3,301
2032	0	0	146	865	1,666	2,059	1,643	1,273	701	189	0	0	3,508
2033	0	0	154	914	1,762	2,181	1,739	1,349	741	199	0	0	3,726
2034	0	0	163	966	1,863	2,310	1,840	1,430	783	210	0	0	3,955
2035	0	0	172	1,021	1,969	2,445	1,947	1,514	828	222	0	0	4,196
2036	0	0	179	1,065	2,051	2,549	2,024	1,574	857	229	0	0	4,349
2037	0	0	177	1,039	1,991	2,474	1,938	1,503	802	213	0	0	3,957
2038	0	0	173	1,007	1,919	2,387	1,840	1,424	740	195	0	0	3,507
2039	0	0	159	915	1,736	2,190	1,638	1,278	626	161	0	0	3,030
2040	0	0	144	819	1,543	1,982	1,426	1,124	505	125	0	0	2,529
2041	0	0	135	761	1,427	1,856	1,297	1,030	431	103	0	0	2,223
2042	0	0	125	701	1,307	1,726	1,164	933	355	81	0	0	1,908
2043	0	0	116	639	1,183	1,592	1,027	834	277	57	0	0	1,582
2044	0	0	106	575	1,056	1,453	886	731	196	34	0	0	1,246
2045	0	0	96	509	925	1,311	741	625	113	9	0	0	899
2046	0	0	85	441	789	1,164	590	516	27	-17	0	0	541
2047	0	0	75	371	649	1,013	436	403	-62	-43	0	0	172
2048	0	0	64	299	505	856	276	287	-153	-70	0	0	-208
2049	0	0	52	225	357	695	111	167	-247	-98	0	0	-601
2050	0	0	52	215	328	652	55	115	-287	-110	0	0	-831
2051	0	0	52	208	306	618	10	73	-319	-119	0	0	-1,022
2052	0	0	52	201	284	583	-36	30	-352	-128	0	0	-1,218
2053	0	0	52	194	262	547	-84	-14	-386	-138	0	0	-1,419
2054	0	0	52	187	238	510	-133	-59	-420	-148	0	0	-1,625
2055	0	0	52	179	214	473	-183	-106	-456	-159	0	0	-1,837
2056	0	0	52	171	190	434	-234	-154	-492	-170	0	0	-2,055
2057	0	0	52	163	164	394	-287	-203	-530	-180	0	0	-2,279
2058	0	0	52	155	138	353	-341	-254	-569	-192	0	0	-2,508
2059	0	0	52	146	112	311	-397	-305	-608	-203	0	0	-2,744
2060	0	0	52	138	84	268	-454	-359	-649	-215	0	0	-2,986
2061	0	0	52	131	62	233	-500	-402	-682	-225	0	0	-3,182
2062	0	0	52	123	40	198	-548	-446	-716	-235	0	0	-3,383
2063	0	0	52	116	16	161	-596	-491	-750	-245	0	0	-3,589
2064	0	0	52	108	-7	124	-645	-538	-785	-255	0	0	-3,798
2065	0	0	52	101	-32	86	-696	-585	-821	-265	0	0	-4,012

Salem Table 24

Salem													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	101	92	149	379	675	794	740	596	423	189	95	97	2,732
2017	18	17	63	245	405	412	263	147	69	31	18	19	108
2018	19	17	70	282	477	504	336	206	100	40	19	19	284
2019	20	18	77	323	557	606	417	271	135	50	19	20	480
2020	21	19	86	369	646	720	507	343	174	61	20	21	698
2021	21	19	91	399	703	793	565	389	199	68	21	21	836
2022	22	20	97	430	764	870	627	439	225	75	21	22	984
2023	23	20	103	464	829	953	692	491	253	83	22	23	1,141
2024	23	21	110	500	898	1,041	762	547	283	91	23	23	1,308
2025	24	22	117	570	1,072	1,293	1,046	802	464	144	23	24	2,375
2026	25	23	124	611	1,151	1,393	1,125	865	498	153	24	25	2,564
2027	26	23	132	654	1,234	1,500	1,210	933	534	163	25	26	2,765
2028	27	24	141	700	1,323	1,613	1,299	1,004	572	174	26	26	2,979
2029	28	25	150	749	1,418	1,734	1,395	1,081	612	185	27	27	3,207
2030	29	26	159	801	1,519	1,863	1,497	1,162	656	198	28	28	3,450
2031	30	27	168	847	1,606	1,974	1,585	1,232	693	208	28	29	3,658
2032	31	28	176	894	1,698	2,092	1,677	1,306	732	219	29	30	3,878
2033	31	28	186	945	1,795	2,215	1,774	1,384	773	231	30	31	4,109
2034	33	29	196	998	1,897	2,345	1,877	1,465	817	243	31	32	4,351
2035	34	30	206	1,053	2,004	2,482	1,985	1,551	862	256	32	33	4,607
2036	35	31	215	1,098	2,088	2,587	2,063	1,613	893	264	33	34	4,774
2037	36	33	213	1,073	2,029	2,514	1,979	1,544	839	249	34	35	4,399
2038	37	34	211	1,043	1,959	2,429	1,883	1,466	779	232	36	37	3,965
2039	39	35	198	952	1,777	2,233	1,683	1,322	666	200	37	38	3,506
2040	40	36	184	857	1,586	2,026	1,473	1,170	547	165	38	39	3,024
2041	41	37	176	800	1,471	1,901	1,345	1,077	474	144	39	40	2,729
2042	42	38	168	741	1,352	1,772	1,214	982	399	122	40	41	2,425
2043	43	39	159	679	1,229	1,640	1,078	883	322	100	41	42	2,111
2044	44	39	150	617	1,103	1,503	938	782	242	77	41	43	1,787
2045	45	40	141	552	973	1,361	794	677	160	53	42	43	1,453
2046	46	41	132	485	838	1,216	645	569	75	29	43	44	1,108
2047	47	42	122	416	700	1,066	491	458	-12	4	44	45	753
2048	48	43	112	345	557	911	333	343	-102	-22	45	46	386
2049	49	44	102	272	410	751	170	224	-195	-49	46	47	7
2050	36	33	89	250	367	692	97	156	-249	-73	35	36	-383
2051	26	23	78	233	333	644	37	100	-293	-93	25	26	-713
2052	15	13	67	216	298	595	-24	43	-339	-114	15	15	-1,051
2053	4	3	55	198	262	545	-87	-16	-385	-135	4	5	-1,398
2054	-8	-7	43	180	226	493	-151	-77	-433	-156	-6	-6	-1,754
2055	-19	-18	31	161	188	441	-217	-139	-482	-178	-17	-17	-2,119
2056	-31	-28	19	142	150	386	-285	-202	-532	-201	-29	-29	-2,493
2057	-44	-40	6	122	110	331	-355	-268	-584	-224	-40	-41	-2,877
2058	-56	-51	-7	102	70	273	-426	-335	-637	-248	-52	-53	-3,271
2059	-69	-63	-20	81	28	215	-500	-404	-692	-272	-64	-65	-3,676
2060	-83	-75	-34	60	-14	155	-575	-475	-747	-297	-76	-77	-4,090
2061	-93	-84	-45	43	-49	106	-636	-532	-793	-318	-86	-87	-4,425
2062	-104	-94	-56	25	-84	56	-698	-590	-839	-338	-96	-98	-4,766
2063	-115	-104	-67	8	-120	6	-761	-650	-886	-359	-106	-108	-5,115
2064	-126	-114	-79	-10	-156	-46	-826	-711	-934	-381	-117	-119	-5,470
2065	-137	-124	-91	-29	-194	-99	-892	-773	-983	-402	-127	-130	-5,833

Salem Table 25

Salem													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	101	92	104	96	114	124	131	127	112	101	95	97	1,294
2017	18	17	18	18	18	17	17	17	17	18	18	19	212
2018	19	18	19	19	19	18	19	19	18	19	19	20	226
2019	21	19	21	20	20	20	20	20	20	21	20	21	241
2020	22	20	22	21	22	21	22	22	21	22	21	22	259
2021	23	21	23	22	23	23	24	24	23	23	22	23	275
2022	25	22	25	24	25	25	25	25	24	25	24	24	292
2023	26	23	26	25	27	26	27	27	26	26	25	26	311
2024	27	25	28	26	28	28	30	29	28	27	26	27	331
2025	29	26	29	28	30	31	32	31	30	29	28	29	353
2026	31	28	31	30	32	33	34	34	32	31	30	31	376
2027	33	30	33	32	35	35	37	36	34	33	31	32	402
2028	35	32	35	34	37	38	40	39	36	35	33	34	429
2029	37	34	38	36	40	41	43	42	39	37	36	37	459
2030	40	36	40	38	43	44	46	46	42	40	38	39	491
2031	42	38	42	40	45	47	49	48	44	42	40	41	517
2032	44	40	45	42	47	50	52	51	46	44	42	43	545
2033	46	42	47	44	50	53	55	54	49	46	44	45	574
2034	49	44	49	46	53	56	58	57	52	49	46	47	606
2035	51	46	52	49	56	59	62	60	55	51	48	50	639
2036	54	49	55	51	59	62	66	64	58	54	51	52	675
2037	57	51	58	54	62	66	70	68	61	57	54	55	712
2038	60	54	61	57	66	70	74	72	65	60	57	58	753
2039	63	57	64	60	69	74	78	76	68	63	60	61	795
2040	67	60	68	63	74	79	83	81	72	66	63	64	841
2041	69	62	70	65	76	81	86	84	75	68	65	66	867
2042	71	64	72	67	78	84	89	86	77	71	67	68	894
2043	73	66	74	69	81	87	92	89	80	73	69	70	922
2044	75	68	77	71	83	90	95	92	82	75	71	72	951
2045	77	70	79	74	86	93	98	95	85	77	73	75	981
2046	80	72	82	76	89	96	101	98	88	80	75	77	1,012
2047	82	74	84	78	92	99	105	101	90	82	77	79	1,045
2048	85	77	87	81	95	102	108	105	93	85	80	82	1,078
2049	87	79	89	83	98	106	112	108	96	87	82	84	1,112
2050	77	69	78	73	85	92	97	94	84	77	72	74	973
2051	68	61	69	64	75	80	84	82	74	67	64	65	853
2052	58	53	59	56	64	68	72	70	63	58	55	56	731
2053	49	44	49	46	53	56	58	57	52	49	46	47	606
2054	39	35	39	37	41	43	45	44	41	39	37	38	478
2055	29	26	29	28	30	30	31	31	29	29	28	28	346
2056	18	17	18	18	18	17	17	17	17	18	18	19	212
2057	8	7	7	8	6	3	3	3	5	8	8	9	74
2058	-3	-3	-4	-2	-7	-11	-12	-11	-7	-3	-2	-2	-66
2059	-14	-13	-15	-13	-20	-25	-27	-25	-20	-14	-12	-12	-210
2060	-25	-23	-27	-23	-33	-40	-43	-40	-33	-25	-23	-23	-358
2061	-34	-31	-36	-32	-43	-51	-55	-52	-43	-34	-31	-31	-472
2062	-43	-39	-45	-40	-53	-63	-67	-64	-53	-43	-39	-40	-588
2063	-52	-47	-54	-49	-63	-74	-79	-76	-64	-52	-48	-48	-706
2064	-61	-55	-64	-57	-74	-86	-92	-88	-74	-61	-56	-57	-826
2065	-71	-64	-73	-66	-85	-98	-105	-100	-85	-70	-65	-66	-948

Salem Table 26

Salem													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	45	283	562	670	609	469	311	88	0	0	1,438
2017	0	0	45	227	387	395	246	130	52	13	0	0	-104
2018	0	0	51	264	460	489	322	191	85	22	0	0	80
2019	0	0	58	305	542	594	406	260	122	32	0	0	285
2020	0	0	65	351	632	711	501	336	164	43	0	0	514
2021	0	0	70	382	692	789	566	389	194	51	0	0	679
2022	0	0	75	414	757	872	635	445	226	59	0	0	855
2023	0	0	80	448	825	961	709	506	260	69	0	0	1,043
2024	0	0	86	485	899	1,056	789	570	296	78	0	0	1,245
2025	0	0	93	556	1,077	1,316	1,083	835	484	132	0	0	2,350
2026	0	0	99	598	1,161	1,424	1,174	909	526	144	0	0	2,582
2027	0	0	106	642	1,250	1,540	1,270	988	571	156	0	0	2,830
2028	0	0	114	690	1,345	1,664	1,374	1,072	618	169	0	0	3,095
2029	0	0	122	741	1,446	1,796	1,484	1,162	670	183	0	0	3,380
2030	0	0	130	795	1,555	1,937	1,603	1,259	724	197	0	0	3,684
2031	0	0	138	841	1,647	2,057	1,703	1,341	770	210	0	0	3,939
2032	0	0	146	890	1,745	2,184	1,809	1,427	819	223	0	0	4,208
2033	0	0	154	942	1,848	2,318	1,920	1,518	870	237	0	0	4,492
2034	0	0	163	997	1,957	2,459	2,038	1,614	924	251	0	0	4,792
2035	0	0	172	1,054	2,072	2,608	2,162	1,715	981	267	0	0	5,110
2036	0	0	179	1,101	2,164	2,726	2,258	1,793	1,024	278	0	0	5,344
2037	0	0	177	1,078	2,113	2,667	2,193	1,741	984	266	0	0	5,040
2038	0	0	173	1,049	2,052	2,597	2,118	1,683	938	253	0	0	4,684
2039	0	0	159	961	1,880	2,417	1,940	1,559	840	224	0	0	4,308
2040	0	0	144	869	1,700	2,228	1,753	1,428	737	193	0	0	3,915
2041	0	0	135	813	1,590	2,113	1,638	1,348	674	174	0	0	3,669
2042	0	0	125	755	1,477	1,994	1,520	1,265	608	155	0	0	3,415
2043	0	0	116	695	1,361	1,871	1,399	1,180	541	135	0	0	3,154
2044	0	0	106	634	1,241	1,745	1,273	1,092	471	114	0	0	2,885
2045	0	0	96	571	1,118	1,615	1,144	1,001	400	93	0	0	2,608
2046	0	0	85	505	990	1,481	1,011	908	326	71	0	0	2,323
2047	0	0	75	438	859	1,343	874	812	250	48	0	0	2,030
2048	0	0	64	369	724	1,201	733	713	172	25	0	0	1,728
2049	0	0	52	298	585	1,055	587	611	92	1	0	0	1,417
2050	0	0	52	291	566	1,026	551	578	66	-7	0	0	1,271
2051	0	0	52	287	553	1,006	524	553	47	-12	0	0	1,157
2052	0	0	52	283	539	985	496	527	27	-18	0	0	1,040
2053	0	0	52	278	526	964	468	501	7	-24	0	0	920
2054	0	0	52	274	512	942	439	474	-13	-30	0	0	798
2055	0	0	52	269	498	919	410	446	-34	-36	0	0	672
2056	0	0	52	265	483	897	379	418	-56	-42	0	0	544
2057	0	0	52	260	469	873	348	389	-78	-49	0	0	413
2058	0	0	52	255	453	849	317	360	-100	-55	0	0	279
2059	0	0	52	250	438	825	284	329	-123	-62	0	0	142
2060	0	0	52	245	422	800	251	298	-147	-69	0	0	2
2061	0	0	52	241	411	782	227	276	-164	-74	0	0	-100
2062	0	0	52	238	399	764	203	253	-181	-79	0	0	-203
2063	0	0	52	234	387	745	178	230	-199	-84	0	0	-309
2064	0	0	52	230	375	726	153	207	-217	-89	0	0	-415
2065	0	0	52	226	363	707	127	183	-235	-94	0	0	-524

Salem Table 27

Salem													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	101	92	149	379	675	794	740	596	423	189	95	97	2,732
2017	18	17	63	245	405	412	263	147	69	31	18	19	108
2018	19	18	70	283	479	507	340	210	103	41	19	20	306
2019	21	19	78	325	562	613	427	280	142	52	20	21	526
2020	22	20	87	373	654	732	523	358	185	65	21	22	773
2021	23	21	93	404	716	812	590	412	216	74	22	23	954
2022	25	22	100	438	782	897	661	471	250	84	24	24	1,147
2023	26	23	107	473	852	988	737	533	285	94	25	26	1,354
2024	27	25	114	511	927	1,085	818	600	323	106	26	27	1,576
2025	29	26	122	584	1,108	1,347	1,115	866	514	162	28	29	2,703
2026	31	28	130	628	1,193	1,457	1,208	943	558	175	30	31	2,958
2027	33	30	140	674	1,284	1,576	1,307	1,024	604	189	31	32	3,231
2028	35	32	149	724	1,382	1,702	1,414	1,111	655	204	33	34	3,524
2029	37	34	160	776	1,486	1,837	1,527	1,205	708	220	36	37	3,839
2030	40	36	171	833	1,597	1,981	1,649	1,305	766	237	38	39	4,176
2031	42	38	180	881	1,692	2,104	1,752	1,389	814	252	40	41	4,456
2032	44	40	190	932	1,793	2,234	1,861	1,478	865	267	42	43	4,753
2033	46	42	201	986	1,898	2,370	1,975	1,572	919	283	44	45	5,067
2034	49	44	212	1,043	2,010	2,515	2,096	1,671	976	300	46	47	5,398
2035	51	46	224	1,103	2,128	2,667	2,224	1,776	1,036	318	48	50	5,749
2036	54	49	234	1,152	2,223	2,789	2,324	1,857	1,082	332	51	52	6,019
2037	57	51	234	1,132	2,175	2,733	2,263	1,809	1,045	323	54	55	5,752
2038	60	54	234	1,106	2,118	2,667	2,191	1,755	1,003	313	57	58	5,436
2039	63	57	223	1,021	1,950	2,492	2,018	1,635	909	287	60	61	5,103
2040	67	60	212	932	1,774	2,307	1,836	1,509	810	259	63	64	4,756
2041	69	62	205	878	1,666	2,194	1,724	1,431	748	243	65	66	4,536
2042	71	64	198	822	1,556	2,078	1,609	1,351	685	225	67	68	4,309
2043	73	66	190	765	1,442	1,958	1,490	1,269	620	207	69	70	4,076
2044	75	68	183	705	1,324	1,835	1,368	1,184	554	189	71	72	3,836
2045	77	70	175	644	1,204	1,708	1,242	1,096	485	170	73	75	3,590
2046	80	72	167	581	1,079	1,577	1,112	1,006	414	150	75	77	3,336
2047	82	74	159	517	951	1,442	978	913	341	130	77	79	3,074
2048	85	77	150	450	819	1,303	841	818	265	109	80	82	2,806
2049	87	79	142	381	683	1,160	699	719	188	88	82	84	2,529
2050	77	69	130	364	651	1,118	648	672	150	70	72	74	2,244
2051	68	61	121	351	627	1,086	608	635	121	55	64	65	2,010
2052	58	53	111	338	603	1,053	568	597	90	40	55	56	1,771
2053	49	44	101	325	579	1,019	526	558	59	25	46	47	1,526
2054	39	35	91	311	553	985	484	518	27	9	37	38	1,275
2055	29	26	81	297	528	949	441	477	-5	-7	28	28	1,019
2056	18	17	70	283	501	913	396	435	-39	-24	18	19	756
2057	8	7	59	268	474	876	351	392	-73	-41	8	9	487
2058	-3	-3	48	253	447	839	305	349	-108	-58	-2	-2	213
2059	-14	-13	37	237	418	800	257	304	-143	-76	-12	-12	-69
2060	-25	-23	25	222	389	760	209	258	-180	-94	-23	-23	-356
2061	-34	-31	16	210	368	731	173	224	-207	-108	-31	-31	-572
2062	-43	-39	7	198	346	701	136	190	-235	-122	-39	-40	-791
2063	-52	-47	-2	185	324	671	99	155	-263	-136	-48	-48	-1,014
2064	-61	-55	-12	173	301	640	61	119	-291	-150	-56	-57	-1,241
2065	-71	-64	-22	160	278	608	23	83	-320	-165	-65	-66	-1,472

SANTAQUIN

Explanation of Supply and Demand Tables – Santaquin City

Santaquin Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Santaquin Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Santaquin Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the City's existing corporate boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Santaquin Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Santaquin Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Santaquin Table 6: Reuse. The City currently has an approved reuse permit. The reuse volume is distributed by month based on a typical irrigation pattern.

Santaquin Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Santaquin Table 8: Spanish Fork River. The current available volume was estimated based on the allocation of river flows from the 1977 Spanish Fork River Commissioner Report. Spanish Fork River water rights held by the City and shares of Spanish Fork river companies currently owned by the City were also considered in the estimate. River companies share volumes were allocated to the City based on how the river companies' boundaries overlay the City. The 2065 volume was calculated based on anticipated future conversion of river companies shares from agricultural use to municipal use.

Santaquin Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records.

Spanish Fork River flows delivered from City -owned water rights and through the river companies are not included in these volumes but are included in Table 8. Irrigation share volumes were allocated to the City based on how the irrigation company boundaries overlay the City. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Santaquin Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Santaquin, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Santaquin Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Santaquin, the current outdoor use per ERC was calculated to be 0.60 acre-feet per ERC (4.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Santaquin Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Santaquin Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Santaquin Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table

11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Santaquin Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Santaquin Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Santaquin Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Santaquin Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Santaquin Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Santaquin Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Santaquin Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Santaquin Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Santaquin Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Santaquin Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Santaquin Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Santaquin Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Santaquin Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Santaquin Table 1

Santaquin													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2017	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2018	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2019	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2020	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2021	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2022	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2023	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2024	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2025	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2026	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2027	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2028	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2029	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2030	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2031	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2032	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2033	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2034	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2035	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2036	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2037	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2038	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2039	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2040	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2041	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2042	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2043	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2044	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2045	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2046	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2047	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2048	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2049	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2050	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2051	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2052	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2053	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2054	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2055	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2056	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2057	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2058	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2059	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2060	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2061	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2062	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2063	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2064	110	99	110	106	110	106	110	110	106	110	106	110	1,290
2065	110	99	110	106	110	106	110	110	106	110	106	110	1,290

Santaquin Table 2

Santaquin													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	32	100	158	210	196	149	44	0	0	889
2026	0	0	0	32	100	158	210	196	149	44	0	0	889
2027	0	0	0	32	100	158	210	196	149	44	0	0	889
2028	0	0	0	32	100	158	210	196	149	44	0	0	889
2029	0	0	0	32	100	158	210	196	149	44	0	0	889
2030	0	0	0	32	100	158	210	196	149	44	0	0	889
2031	0	0	0	32	100	158	210	196	149	44	0	0	889
2032	0	0	0	32	100	158	210	196	149	44	0	0	889
2033	0	0	0	32	100	158	210	196	149	44	0	0	889
2034	0	0	0	32	100	158	210	196	149	44	0	0	889
2035	0	0	0	32	100	158	210	196	149	44	0	0	889
2036	0	0	0	32	100	158	210	196	149	44	0	0	889
2037	0	0	0	32	100	158	210	196	149	44	0	0	889
2038	0	0	0	32	100	158	210	196	149	44	0	0	889
2039	0	0	0	32	100	158	210	196	149	44	0	0	889
2040	0	0	0	32	100	158	210	196	149	44	0	0	889
2041	0	0	0	32	100	158	210	196	149	44	0	0	889
2042	0	0	0	32	100	158	210	196	149	44	0	0	889
2043	0	0	0	32	100	158	210	196	149	44	0	0	889
2044	0	0	0	32	100	158	210	196	149	44	0	0	889
2045	0	0	0	32	100	158	210	196	149	44	0	0	889
2046	0	0	0	32	100	158	210	196	149	44	0	0	889
2047	0	0	0	32	100	158	210	196	149	44	0	0	889
2048	0	0	0	32	100	158	210	196	149	44	0	0	889
2049	0	0	0	32	100	158	210	196	149	44	0	0	889
2050	0	0	0	32	100	158	210	196	149	44	0	0	889
2051	0	0	0	32	100	158	210	196	149	44	0	0	889
2052	0	0	0	32	100	158	210	196	149	44	0	0	889
2053	0	0	0	32	100	158	210	196	149	44	0	0	889
2054	0	0	0	32	100	158	210	196	149	44	0	0	889
2055	0	0	0	32	100	158	210	196	149	44	0	0	889
2056	0	0	0	32	100	158	210	196	149	44	0	0	889
2057	0	0	0	32	100	158	210	196	149	44	0	0	889
2058	0	0	0	32	100	158	210	196	149	44	0	0	889
2059	0	0	0	32	100	158	210	196	149	44	0	0	889
2060	0	0	0	32	100	158	210	196	149	44	0	0	889
2061	0	0	0	32	100	158	210	196	149	44	0	0	889
2062	0	0	0	32	100	158	210	196	149	44	0	0	889
2063	0	0	0	32	100	158	210	196	149	44	0	0	889
2064	0	0	0	32	100	158	210	196	149	44	0	0	889
2065	0	0	0	32	100	158	210	196	149	44	0	0	889

Santaquin Table 3

Santaquin													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	7	19	45	39	37	17	5	0	0	168
2019	0	0	0	14	40	93	81	76	35	10	0	0	349
2020	0	0	0	21	62	145	125	118	54	16	0	0	541
2021	0	0	0	25	72	169	146	137	63	18	0	0	631
2022	0	0	0	29	83	193	167	158	73	21	0	0	723
2023	0	0	0	32	94	219	189	178	82	24	0	0	818
2024	0	0	0	36	105	245	212	200	92	27	0	0	916
2025	0	0	0	40	116	272	235	222	102	30	0	0	1,017
2026	0	0	0	44	128	300	259	244	113	33	0	0	1,121
2027	0	0	0	48	141	328	284	268	123	36	0	0	1,228
2028	0	0	0	53	153	358	309	292	134	39	0	0	1,338
2029	0	0	0	57	166	388	336	316	146	42	0	0	1,452
2030	0	0	0	62	180	420	363	342	158	46	0	0	1,569
2031	0	0	0	69	201	469	405	382	176	51	0	0	1,752
2032	0	0	0	77	222	520	449	424	195	57	0	0	1,944
2033	0	0	0	85	245	573	496	467	215	63	0	0	2,145
2034	0	0	0	93	269	630	544	513	236	69	0	0	2,354
2035	0	0	0	102	294	688	595	561	258	75	0	0	2,574
2036	0	0	0	111	321	749	648	611	282	82	0	0	2,803
2037	0	0	0	120	348	814	703	663	306	89	0	0	3,043
2038	0	0	0	130	377	881	761	718	331	96	0	0	3,293
2039	0	0	0	140	407	951	822	775	357	104	0	0	3,556
2040	0	0	0	151	438	1,024	885	835	385	112	0	0	3,830
2041	0	0	0	159	462	1,080	933	880	405	118	0	0	4,037
2042	0	0	0	168	486	1,137	983	926	427	124	0	0	4,251
2043	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2044	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2045	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2046	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2047	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2048	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2049	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2050	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2051	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2052	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2053	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2054	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2055	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2056	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2057	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2058	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2059	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2060	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2061	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2062	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2063	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2064	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298
2065	0	0	0	170	492	1,149	994	937	432	126	0	0	4,298

Santaquin Table 4

Santaquin													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	272	675	306	178	172	204	203	0	0	2,010
2017	0	0	0	272	675	306	178	172	204	203	0	0	2,010
2018	0	0	0	295	731	332	193	186	221	220	0	0	2,178
2019	0	0	0	319	792	359	209	202	240	238	0	0	2,359
2020	0	0	0	345	856	389	227	218	259	257	0	0	2,551
2021	0	0	0	357	886	402	235	226	268	266	0	0	2,641
2022	0	0	0	370	917	417	243	234	278	276	0	0	2,733
2023	0	0	0	382	949	431	251	242	287	285	0	0	2,828
2024	0	0	0	396	982	446	260	250	297	295	0	0	2,926
2025	0	0	0	409	1,016	461	269	259	308	305	0	0	3,027
2026	0	0	0	423	1,051	477	278	268	318	316	0	0	3,131
2027	0	0	0	438	1,087	494	288	277	329	326	0	0	3,238
2028	0	0	0	453	1,124	510	297	287	340	338	0	0	3,349
2029	0	0	0	468	1,162	528	307	296	352	349	0	0	3,462
2030	0	0	0	484	1,201	546	318	306	364	361	0	0	3,579
2031	0	0	0	509	1,263	573	334	322	382	379	0	0	3,763
2032	0	0	0	535	1,327	603	351	339	402	399	0	0	3,955
2033	0	0	0	562	1,394	633	369	356	422	419	0	0	4,155
2034	0	0	0	590	1,465	665	388	374	443	440	0	0	4,365
2035	0	0	0	620	1,538	699	407	392	466	462	0	0	4,584
2036	0	0	0	651	1,615	734	427	412	489	485	0	0	4,813
2037	0	0	0	683	1,696	770	449	433	513	509	0	0	5,053
2038	0	0	0	717	1,780	808	471	454	539	535	0	0	5,304
2039	0	0	0	753	1,868	848	494	476	566	561	0	0	5,566
2040	0	0	0	790	1,960	890	519	500	593	589	0	0	5,841
2041	0	0	0	818	2,030	922	537	518	614	610	0	0	6,048
2042	0	0	0	847	2,101	954	556	536	636	631	0	0	6,262
2043	0	0	0	853	2,117	961	560	540	641	636	0	0	6,309
2044	0	0	0	841	2,087	948	552	532	632	627	0	0	6,218
2045	0	0	0	822	2,039	926	540	520	617	613	0	0	6,077
2046	0	0	0	802	1,990	904	527	508	603	598	0	0	5,931
2047	0	0	0	782	1,940	881	513	495	587	583	0	0	5,780
2048	0	0	0	760	1,888	857	499	481	571	567	0	0	5,625
2049	0	0	0	739	1,834	833	485	468	555	551	0	0	5,464
2050	0	0	0	716	1,778	807	470	454	538	534	0	0	5,298
2051	0	0	0	700	1,738	789	460	443	526	522	0	0	5,178
2052	0	0	0	683	1,697	770	449	433	514	510	0	0	5,055
2053	0	0	0	666	1,654	751	438	422	501	497	0	0	4,929
2054	0	0	0	649	1,611	732	426	411	488	484	0	0	4,801
2055	0	0	0	631	1,567	712	415	400	474	471	0	0	4,669
2056	0	0	0	613	1,522	691	403	388	461	457	0	0	4,535
2057	0	0	0	594	1,476	670	390	376	447	443	0	0	4,397
2058	0	0	0	575	1,428	649	378	364	432	429	0	0	4,256
2059	0	0	0	556	1,380	627	365	352	418	414	0	0	4,112
2060	0	0	0	536	1,330	604	352	339	403	400	0	0	3,964
2061	0	0	0	518	1,286	584	340	328	389	386	0	0	3,831
2062	0	0	0	500	1,240	563	328	316	375	372	0	0	3,695
2063	0	0	0	481	1,194	542	316	304	361	358	0	0	3,556
2064	0	0	0	462	1,146	520	303	292	347	344	0	0	3,415
2065	0	0	0	442	1,098	498	290	280	332	330	0	0	3,271

Santaquin Table 5

Santaquin													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2017	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2018	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2019	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2020	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2021	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2022	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2023	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2024	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2025	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2026	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2027	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2028	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2029	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2030	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2031	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2032	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2033	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2034	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2035	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2036	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2037	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2038	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2039	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2040	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2041	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2042	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2043	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2044	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2045	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2046	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2047	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2048	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2049	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2050	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2051	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2052	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2053	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2054	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2055	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2056	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2057	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2058	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2059	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2060	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2061	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2062	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2063	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2064	82	74	84	77	94	105	112	108	93	81	76	77	1,063
2065	82	74	84	77	94	105	112	108	93	81	76	77	1,063

Santaquin Table 6

Santaquin													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	14	45	71	94	88	67	20	0	0	400
2017	0	0	0	19	61	96	127	119	91	26	0	0	540
2018	0	0	0	24	77	121	161	150	114	33	0	0	680
2019	0	0	0	30	93	146	194	180	138	40	0	0	820
2020	0	0	0	35	109	171	227	211	161	47	0	0	960
2021	0	0	0	40	124	196	260	242	185	54	0	0	1,100
2022	0	0	0	45	140	221	293	273	208	61	0	0	1,241
2023	0	0	0	50	156	246	326	304	232	68	0	0	1,381
2024	0	0	0	55	172	271	359	335	255	75	0	0	1,521
2025	0	0	0	60	188	296	392	365	279	81	0	0	1,661
2026	0	0	0	65	203	321	425	396	303	88	0	0	1,801
2027	0	0	0	70	219	345	458	427	326	95	0	0	1,941
2028	0	0	0	75	235	370	491	458	350	102	0	0	2,081
2029	0	0	0	80	251	395	524	489	373	109	0	0	2,221
2030	0	0	0	85	267	420	557	519	397	116	0	0	2,361
2031	0	0	0	90	283	445	590	550	420	123	0	0	2,501
2032	0	0	0	95	298	470	623	581	444	129	0	0	2,641
2033	0	0	0	100	314	495	656	612	467	136	0	0	2,781
2034	0	0	0	105	330	520	689	643	491	143	0	0	2,922
2035	0	0	0	110	346	545	723	674	514	150	0	0	3,062
2036	0	0	0	115	362	570	756	704	538	157	0	0	3,202
2037	0	0	0	120	378	595	789	735	561	164	0	0	3,342
2038	0	0	0	125	393	620	822	766	585	171	0	0	3,482
2039	0	0	0	130	409	645	855	797	608	177	0	0	3,622
2040	0	0	0	135	425	670	888	828	632	184	0	0	3,762
2041	0	0	0	140	441	695	921	858	656	191	0	0	3,902
2042	0	0	0	146	457	720	954	889	679	198	0	0	4,042
2043	0	0	0	151	473	744	987	920	703	205	0	0	4,182
2044	0	0	0	156	488	769	1,020	951	726	212	0	0	4,322
2045	0	0	0	161	504	794	1,053	982	750	219	0	0	4,462
2046	0	0	0	166	520	819	1,086	1,013	773	226	0	0	4,603
2047	0	0	0	171	536	844	1,119	1,043	797	232	0	0	4,743
2048	0	0	0	176	552	869	1,152	1,074	820	239	0	0	4,883
2049	0	0	0	181	568	894	1,185	1,105	844	246	0	0	5,023
2050	0	0	0	186	583	919	1,218	1,136	867	253	0	0	5,163
2051	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2052	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2053	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2054	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2055	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2056	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2057	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2058	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2059	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2060	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2061	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2062	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2063	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2064	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303
2065	0	0	0	191	599	944	1,252	1,167	891	260	0	0	5,303

Santaquin Table 7

Santaquin													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	8	7	8	7	9	10	11	10	9	8	7	7	101
2019	16	14	16	15	18	21	22	21	18	16	15	15	209
2020	25	22	26	23	29	32	34	33	28	25	23	24	324
2021	29	26	30	27	33	37	40	38	33	29	27	28	377
2022	33	30	34	31	38	43	45	44	38	33	31	32	433
2023	38	34	39	36	43	48	51	50	43	37	35	36	489
2024	42	38	43	40	49	54	58	55	48	42	39	40	548
2025	47	42	48	44	54	60	64	62	53	47	43	44	608
2026	51	46	53	49	59	66	70	68	59	51	48	49	671
2027	56	51	58	53	65	73	77	74	65	56	53	54	735
2028	61	55	63	58	71	79	84	81	70	61	57	58	801
2029	67	60	69	63	77	86	91	88	76	66	62	63	869
2030	72	65	74	68	83	93	99	95	83	72	67	68	939
2031	80	73	83	76	93	104	110	106	92	80	75	76	1,048
2032	89	81	92	84	103	115	122	118	102	89	83	85	1,163
2033	98	89	101	93	114	127	135	130	113	98	92	94	1,283
2034	108	98	111	102	125	139	148	142	124	108	101	103	1,408
2035	118	107	122	112	136	152	162	156	135	118	110	112	1,540
2036	129	116	133	122	148	166	176	170	147	128	120	122	1,677
2037	140	126	144	132	161	180	191	184	160	139	130	133	1,820
2038	151	136	156	143	174	195	207	199	173	151	141	144	1,970
2039	163	147	168	154	188	211	223	215	187	163	152	155	2,127
2040	176	159	181	166	203	227	241	232	201	175	164	167	2,291
2041	185	167	191	175	214	239	254	244	212	185	173	176	2,415
2042	195	176	201	184	225	252	267	257	224	195	182	185	2,543
2043	205	185	211	194	237	265	281	271	235	205	191	195	2,675
2044	216	195	222	204	249	278	295	284	247	215	201	205	2,812
2045	227	205	233	214	261	292	310	299	260	226	211	215	2,953
2046	238	215	245	225	274	307	325	313	272	237	221	226	3,099
2047	249	225	257	236	288	322	341	329	286	249	232	237	3,250
2048	261	236	269	247	301	337	358	344	299	260	243	248	3,405
2049	274	247	282	259	316	353	374	361	314	273	255	260	3,566
2050	286	259	295	271	330	369	392	378	328	285	267	272	3,732
2051	295	267	304	279	341	381	404	390	339	295	275	281	3,852
2052	305	275	314	288	352	393	417	402	349	304	284	290	3,975
2053	315	284	324	297	363	406	431	415	361	314	293	299	4,101
2054	324	293	334	307	374	419	444	428	372	323	302	308	4,229
2055	334	302	345	316	386	432	458	441	383	334	312	318	4,361
2056	345	311	355	326	398	445	472	455	395	344	321	328	4,495
2057	355	321	366	336	410	459	487	469	407	354	331	338	4,633
2058	366	331	377	346	423	473	501	483	420	365	341	348	4,774
2059	377	341	389	357	435	487	516	498	432	376	352	358	4,918
2060	389	351	400	367	449	501	532	512	445	387	362	369	5,066
2061	399	360	411	377	460	515	546	526	457	398	372	379	5,199
2062	409	370	422	387	472	528	560	540	469	408	381	389	5,335
2063	420	379	433	397	485	542	575	554	481	419	391	399	5,474
2064	431	389	444	407	497	556	590	568	494	429	401	409	5,615
2065	442	399	455	418	510	570	605	583	506	441	412	420	5,760

Santaquin Table 8

Santaquin													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Santaquin Table 9

Santaquin													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	272	675	306	178	172	204	203	0	0	2,010
2017	0	0	0	272	675	306	178	172	204	203	0	0	2,010
2018	0	0	0	295	731	332	193	186	221	220	0	0	2,178
2019	0	0	0	319	792	359	209	202	240	238	0	0	2,359
2020	0	0	0	345	856	389	227	218	259	257	0	0	2,551
2021	0	0	0	357	886	402	235	226	268	266	0	0	2,641
2022	0	0	0	370	917	417	243	234	278	276	0	0	2,733
2023	0	0	0	382	949	431	251	242	287	285	0	0	2,828
2024	0	0	0	396	982	446	260	250	297	295	0	0	2,926
2025	0	0	0	409	1,016	461	269	259	308	305	0	0	3,027
2026	0	0	0	423	1,051	477	278	268	318	316	0	0	3,131
2027	0	0	0	438	1,087	494	288	277	329	326	0	0	3,238
2028	0	0	0	453	1,124	510	297	287	340	338	0	0	3,349
2029	0	0	0	468	1,162	528	307	296	352	349	0	0	3,462
2030	0	0	0	484	1,201	546	318	306	364	361	0	0	3,579
2031	0	0	0	509	1,263	573	334	322	382	379	0	0	3,763
2032	0	0	0	535	1,327	603	351	339	402	399	0	0	3,955
2033	0	0	0	562	1,394	633	369	356	422	419	0	0	4,155
2034	0	0	0	590	1,465	665	388	374	443	440	0	0	4,365
2035	0	0	0	620	1,538	699	407	392	466	462	0	0	4,584
2036	0	0	0	651	1,615	734	427	412	489	485	0	0	4,813
2037	0	0	0	683	1,696	770	449	433	513	509	0	0	5,053
2038	0	0	0	717	1,780	808	471	454	539	535	0	0	5,304
2039	0	0	0	753	1,868	848	494	476	566	561	0	0	5,566
2040	0	0	0	790	1,960	890	519	500	593	589	0	0	5,841
2041	0	0	0	818	2,030	922	537	518	614	610	0	0	6,048
2042	0	0	0	847	2,101	954	556	536	636	631	0	0	6,262
2043	0	0	0	853	2,117	961	560	540	641	636	0	0	6,309
2044	0	0	0	841	2,087	948	552	532	632	627	0	0	6,218
2045	0	0	0	822	2,039	926	540	520	617	613	0	0	6,077
2046	0	0	0	802	1,990	904	527	508	603	598	0	0	5,931
2047	0	0	0	782	1,940	881	513	495	587	583	0	0	5,780
2048	0	0	0	760	1,888	857	499	481	571	567	0	0	5,625
2049	0	0	0	739	1,834	833	485	468	555	551	0	0	5,464
2050	0	0	0	716	1,778	807	470	454	538	534	0	0	5,298
2051	0	0	0	700	1,738	789	460	443	526	522	0	0	5,178
2052	0	0	0	683	1,697	770	449	433	514	510	0	0	5,055
2053	0	0	0	666	1,654	751	438	422	501	497	0	0	4,929
2054	0	0	0	649	1,611	732	426	411	488	484	0	0	4,801
2055	0	0	0	631	1,567	712	415	400	474	471	0	0	4,669
2056	0	0	0	613	1,522	691	403	388	461	457	0	0	4,535
2057	0	0	0	594	1,476	670	390	376	447	443	0	0	4,397
2058	0	0	0	575	1,428	649	378	364	432	429	0	0	4,256
2059	0	0	0	556	1,380	627	365	352	418	414	0	0	4,112
2060	0	0	0	536	1,330	604	352	339	403	400	0	0	3,964
2061	0	0	0	518	1,286	584	340	328	389	386	0	0	3,831
2062	0	0	0	500	1,240	563	328	316	375	372	0	0	3,695
2063	0	0	0	481	1,194	542	316	304	361	358	0	0	3,556
2064	0	0	0	462	1,146	520	303	292	347	344	0	0	3,415
2065	0	0	0	442	1,098	498	290	280	332	330	0	0	3,271

Santaquin Table 10

Santaquin													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	109	99	113	103	126	141	150	144	125	109	102	104	1,427
2018	121	109	125	114	139	156	165	159	138	120	113	115	1,575
2019	129	117	133	122	149	167	177	170	148	129	120	123	1,684
2020	138	125	142	131	159	178	189	182	158	138	129	131	1,801
2021	142	128	147	135	164	184	195	188	163	142	133	135	1,855
2022	147	132	151	139	169	189	201	193	168	146	137	139	1,911
2023	151	136	156	143	174	195	207	199	173	151	141	143	1,968
2024	156	140	160	147	180	201	213	205	178	155	145	148	2,028
2025	160	145	165	151	185	207	219	211	184	160	149	152	2,089
2026	165	149	170	156	190	213	226	218	189	165	154	157	2,151
2027	170	154	175	161	196	219	233	224	195	170	158	162	2,216
2028	175	158	180	166	202	226	240	231	201	175	163	166	2,283
2029	180	163	186	171	208	233	247	238	207	180	168	171	2,352
2030	186	168	192	176	214	240	254	245	213	185	173	177	2,423
2031	194	176	200	184	224	251	266	256	223	194	181	185	2,534
2032	203	184	209	192	235	262	278	268	233	203	189	193	2,650
2033	213	192	219	201	245	274	291	280	244	212	198	202	2,771
2034	222	201	229	210	257	287	304	293	255	222	207	211	2,898
2035	232	210	240	220	268	300	318	307	266	232	217	221	3,030
2036	243	220	251	230	281	314	333	321	279	242	227	231	3,169
2037	254	230	262	240	293	328	348	335	291	253	237	242	3,314
2038	266	240	274	251	307	343	364	351	305	265	248	253	3,466
2039	278	251	287	263	321	359	381	367	319	277	259	264	3,625
2040	291	263	300	275	336	375	398	383	333	290	271	276	3,791
2041	300	271	310	284	347	388	411	396	344	300	280	285	3,916
2042	310	280	320	293	358	400	425	409	356	309	289	295	4,045
2043	321	289	330	303	370	414	439	423	367	320	299	305	4,179
2044	331	299	341	313	382	427	453	437	380	330	309	315	4,317
2045	342	309	353	323	395	441	468	451	392	341	319	325	4,460
2046	353	319	364	334	408	456	484	466	405	352	329	336	4,607
2047	365	330	376	345	421	471	500	481	418	364	340	347	4,760
2048	377	341	389	357	435	487	516	497	432	376	351	358	4,917
2049	390	352	402	368	450	503	533	514	447	389	363	370	5,080
2050	403	364	415	381	465	519	551	531	461	401	375	383	5,248
2051	412	372	424	389	475	531	564	543	472	411	384	391	5,369
2052	421	381	434	398	486	544	577	556	483	420	393	400	5,493
2053	431	389	444	408	498	556	590	569	494	430	402	410	5,621
2054	441	398	455	417	509	569	604	582	506	440	411	419	5,751
2055	451	408	465	427	521	582	618	595	517	450	421	429	5,884
2056	462	417	476	437	533	596	632	609	529	460	430	439	6,020
2057	472	427	487	447	545	610	647	623	542	471	440	449	6,159
2058	483	437	498	457	558	624	662	637	554	482	450	459	6,302
2059	495	447	510	468	571	638	677	652	567	493	461	470	6,448
2060	506	457	521	478	584	653	693	667	580	505	472	481	6,597
2061	516	466	532	488	596	666	707	681	592	515	481	491	6,732
2062	527	476	543	498	608	680	721	695	604	525	491	501	6,869
2063	538	486	554	508	621	694	736	709	616	536	501	511	7,009
2064	549	495	565	519	633	708	751	724	629	547	511	521	7,152
2065	560	506	577	529	646	722	766	738	642	558	522	532	7,299

Santaquin Table 11

Santaquin													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	59	187	294	390	363	278	81	0	0	1,652
2018	0	0	0	66	207	325	431	402	307	90	0	0	1,828
2019	0	0	0	71	221	349	462	431	329	96	0	0	1,958
2020	0	0	0	76	237	373	495	462	353	103	0	0	2,098
2021	0	0	0	78	245	386	511	477	364	106	0	0	2,166
2022	0	0	0	80	253	398	528	492	376	110	0	0	2,236
2023	0	0	0	83	261	411	545	508	388	113	0	0	2,308
2024	0	0	0	86	269	424	562	524	400	117	0	0	2,382
2025	0	0	0	89	278	438	580	541	413	120	0	0	2,459
2026	0	0	0	91	287	452	599	558	426	124	0	0	2,538
2027	0	0	0	94	296	466	618	576	440	128	0	0	2,620
2028	0	0	0	97	306	481	638	595	454	133	0	0	2,704
2029	0	0	0	100	315	497	659	614	469	137	0	0	2,792
2030	0	0	0	104	326	513	680	634	484	141	0	0	2,882
2031	0	0	0	109	341	537	713	664	507	148	0	0	3,020
2032	0	0	0	114	358	563	747	696	532	155	0	0	3,164
2033	0	0	0	119	375	590	783	729	557	162	0	0	3,316
2034	0	0	0	125	393	618	820	764	584	170	0	0	3,475
2035	0	0	0	131	411	648	859	801	612	178	0	0	3,641
2036	0	0	0	137	431	679	900	839	641	187	0	0	3,815
2037	0	0	0	144	452	712	944	880	672	196	0	0	3,998
2038	0	0	0	151	473	746	989	922	704	205	0	0	4,189
2039	0	0	0	158	496	781	1,036	966	738	215	0	0	4,390
2040	0	0	0	166	520	819	1,086	1,012	773	225	0	0	4,600
2041	0	0	0	171	538	848	1,124	1,048	800	233	0	0	4,762
2042	0	0	0	177	557	877	1,163	1,084	828	242	0	0	4,929
2043	0	0	0	184	577	908	1,204	1,122	857	250	0	0	5,102
2044	0	0	0	190	597	940	1,246	1,162	887	259	0	0	5,281
2045	0	0	0	197	618	973	1,290	1,203	918	268	0	0	5,466
2046	0	0	0	204	639	1,007	1,335	1,245	951	277	0	0	5,658
2047	0	0	0	211	662	1,042	1,382	1,288	984	287	0	0	5,857
2048	0	0	0	218	685	1,079	1,431	1,334	1,018	297	0	0	6,062
2049	0	0	0	226	709	1,117	1,481	1,380	1,054	307	0	0	6,275
2050	0	0	0	234	734	1,156	1,533	1,429	1,091	318	0	0	6,495
2051	0	0	0	240	752	1,185	1,571	1,465	1,119	326	0	0	6,658
2052	0	0	0	246	771	1,215	1,611	1,502	1,147	334	0	0	6,826
2053	0	0	0	252	791	1,245	1,651	1,539	1,176	343	0	0	6,997
2054	0	0	0	258	811	1,277	1,693	1,578	1,205	351	0	0	7,173
2055	0	0	0	265	831	1,309	1,735	1,618	1,235	360	0	0	7,353
2056	0	0	0	271	852	1,342	1,779	1,658	1,266	369	0	0	7,538
2057	0	0	0	278	873	1,375	1,824	1,700	1,298	379	0	0	7,727
2058	0	0	0	285	895	1,410	1,869	1,743	1,331	388	0	0	7,921
2059	0	0	0	292	918	1,445	1,916	1,786	1,364	398	0	0	8,120
2060	0	0	0	300	941	1,482	1,964	1,831	1,398	408	0	0	8,324
2061	0	0	0	307	964	1,519	2,014	1,877	1,434	418	0	0	8,533
2062	0	0	0	314	986	1,553	2,059	1,919	1,466	427	0	0	8,724
2063	0	0	0	321	1,008	1,588	2,105	1,962	1,498	437	0	0	8,919
2064	0	0	0	328	1,030	1,623	2,152	2,006	1,532	447	0	0	9,118
2065	0	0	0	336	1,053	1,659	2,200	2,051	1,566	457	0	0	9,322

Santaquin Table 12

Santaquin													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	109	99	113	163	313	435	540	508	403	190	102	104	3,079
2018	121	109	125	180	346	481	597	561	446	210	113	115	3,403
2019	129	117	133	193	370	515	639	601	477	225	120	123	3,642
2020	138	125	142	206	397	552	684	644	511	241	129	131	3,899
2021	142	128	147	213	409	569	706	664	527	248	133	135	4,021
2022	147	132	151	219	422	587	728	685	544	256	137	139	4,146
2023	151	136	156	226	435	606	751	707	561	264	141	143	4,276
2024	156	140	160	233	449	625	775	729	578	272	145	148	4,410
2025	160	145	165	240	463	644	800	752	597	280	149	152	4,548
2026	165	149	170	247	477	665	825	776	616	289	154	157	4,690
2027	170	154	175	255	492	686	851	801	635	298	158	162	4,836
2028	175	158	180	263	508	707	878	826	655	307	163	166	4,988
2029	180	163	186	271	524	730	906	852	676	317	168	171	5,143
2030	186	168	192	279	540	753	934	879	697	326	173	177	5,304
2031	194	176	200	292	566	788	979	921	730	342	181	185	5,553
2032	203	184	209	306	592	825	1,025	964	765	358	189	193	5,814
2033	213	192	219	320	620	864	1,073	1,010	801	374	198	202	6,087
2034	222	201	229	335	649	905	1,124	1,058	838	392	207	211	6,372
2035	232	210	240	351	680	948	1,177	1,108	878	410	217	221	6,671
2036	243	220	251	367	712	993	1,233	1,160	920	429	227	231	6,984
2037	254	230	262	384	745	1,040	1,292	1,215	963	449	237	242	7,312
2038	266	240	274	402	780	1,089	1,353	1,272	1,009	470	248	253	7,655
2039	278	251	287	421	817	1,140	1,417	1,332	1,056	492	259	264	8,015
2040	291	263	300	441	855	1,194	1,484	1,395	1,106	515	271	276	8,391
2041	300	271	310	455	885	1,235	1,535	1,444	1,144	533	280	285	8,678
2042	310	280	320	471	915	1,278	1,588	1,494	1,184	551	289	295	8,974
2043	321	289	330	487	947	1,322	1,643	1,545	1,225	570	299	305	9,281
2044	331	299	341	503	979	1,367	1,700	1,599	1,267	589	309	315	9,598
2045	342	309	353	520	1,013	1,414	1,758	1,654	1,310	609	319	325	9,926
2046	353	319	364	538	1,047	1,463	1,819	1,711	1,356	630	329	336	10,266
2047	365	330	376	556	1,083	1,514	1,882	1,770	1,402	651	340	347	10,617
2048	377	341	389	575	1,120	1,566	1,947	1,831	1,451	673	351	358	10,979
2049	390	352	402	594	1,159	1,620	2,014	1,894	1,501	696	363	370	11,355
2050	403	364	415	614	1,199	1,676	2,084	1,960	1,553	720	375	383	11,743
2051	412	372	424	629	1,228	1,717	2,135	2,008	1,591	737	384	391	12,027
2052	421	381	434	644	1,258	1,759	2,188	2,057	1,630	755	393	400	12,319
2053	431	389	444	660	1,288	1,802	2,242	2,108	1,670	773	402	410	12,618
2054	441	398	455	675	1,320	1,846	2,297	2,160	1,711	791	411	419	12,924
2055	451	408	465	691	1,352	1,891	2,353	2,213	1,753	810	421	429	13,237
2056	462	417	476	708	1,385	1,938	2,411	2,267	1,796	830	430	439	13,558
2057	472	427	487	725	1,419	1,985	2,470	2,323	1,840	850	440	449	13,887
2058	483	437	498	742	1,453	2,034	2,531	2,380	1,885	870	450	459	14,223
2059	495	447	510	760	1,488	2,084	2,593	2,439	1,931	891	461	470	14,568
2060	506	457	521	778	1,525	2,135	2,657	2,499	1,978	912	472	481	14,921
2061	516	466	532	795	1,560	2,185	2,721	2,558	2,025	933	481	491	15,265
2062	527	476	543	812	1,594	2,233	2,780	2,614	2,070	953	491	501	15,593
2063	538	486	554	829	1,628	2,281	2,841	2,671	2,115	973	501	511	15,928
2064	549	495	565	847	1,664	2,331	2,903	2,730	2,161	994	511	521	16,271
2065	560	506	577	865	1,700	2,382	2,966	2,789	2,208	1,015	522	532	16,621

Santaquin Table 13

Santaquin													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	107	96	110	101	123	138	146	141	122	107	100	102	1,393
2018	117	105	120	110	135	150	160	154	134	116	109	111	1,520
2019	124	112	128	117	143	160	169	163	142	123	115	118	1,613
2020	131	119	135	124	152	170	180	173	151	131	122	125	1,713
2021	135	122	139	128	156	174	185	178	155	135	126	128	1,760
2022	139	125	143	131	160	179	190	183	159	138	129	132	1,808
2023	142	129	147	135	164	184	195	188	163	142	133	135	1,857
2024	146	132	151	138	169	189	200	193	168	146	136	139	1,908
2025	150	136	155	142	174	194	206	198	172	150	140	143	1,960
2026	154	140	159	146	178	199	211	204	177	154	144	147	2,014
2027	159	143	164	150	183	205	217	209	182	158	148	151	2,070
2028	163	147	168	154	188	211	223	215	187	163	152	155	2,127
2029	168	151	173	159	194	216	230	221	192	167	156	159	2,186
2030	172	156	178	163	199	222	236	227	198	172	161	164	2,247
2031	180	162	185	170	207	232	246	237	206	179	167	171	2,342
2032	187	169	193	177	216	242	256	247	215	187	174	178	2,441
2033	195	176	201	185	225	252	267	257	224	195	182	186	2,545
2034	204	184	210	192	235	263	279	268	233	203	190	193	2,654
2035	212	192	219	201	245	274	291	280	243	212	198	202	2,767
2036	221	200	228	209	256	286	303	292	254	221	206	210	2,886
2037	231	209	238	218	267	298	316	305	265	230	215	219	3,011
2038	241	218	248	228	278	311	330	318	276	240	224	229	3,141
2039	251	227	259	238	290	324	344	331	288	251	234	239	3,277
2040	262	237	270	248	303	338	359	346	301	262	244	249	3,419
2041	270	244	279	256	312	349	370	357	310	270	252	257	3,527
2042	279	252	288	264	322	360	382	368	320	278	260	265	3,637
2043	288	260	297	272	332	371	394	380	330	287	268	273	3,752
2044	297	268	306	281	343	383	406	392	340	296	277	282	3,871
2045	306	277	316	290	354	395	419	404	351	305	285	291	3,993
2046	316	285	326	299	365	408	433	417	362	315	294	300	4,119
2047	326	294	336	308	376	421	446	430	374	325	304	310	4,250
2048	336	304	347	318	388	434	460	444	386	335	313	320	4,385
2049	347	313	358	328	401	448	475	458	398	346	323	330	4,524
2050	358	323	369	339	413	462	490	472	410	357	334	340	4,668
2051	366	331	377	346	423	472	501	483	420	365	341	348	4,772
2052	374	338	386	354	432	483	512	494	429	373	349	356	4,879
2053	383	345	394	362	442	494	524	505	439	381	356	364	4,988
2054	391	353	403	370	451	505	535	516	448	390	364	372	5,099
2055	400	361	412	378	462	516	547	527	458	399	373	380	5,213
2056	409	369	421	387	472	528	560	539	469	408	381	389	5,330
2057	418	377	431	395	482	539	572	551	479	417	389	397	5,449
2058	427	386	440	404	493	551	585	564	490	426	398	406	5,572
2059	437	395	450	413	504	564	598	576	501	436	407	415	5,697
2060	447	403	460	422	516	577	612	589	512	445	416	425	5,825
2061	456	411	470	431	526	588	624	601	522	454	425	433	5,940
2062	465	420	479	439	536	600	636	613	533	463	433	442	6,058
2063	474	428	488	448	547	612	649	625	543	473	442	450	6,178
2064	483	436	498	457	558	624	662	637	554	482	450	459	6,301
2065	493	445	508	466	569	636	675	650	565	491	459	468	6,426

Santaquin Table 14

Santaquin													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	59	187	294	390	363	278	81	0	0	1,652
2018	0	0	0	64	202	318	421	392	300	87	0	0	1,784
2019	0	0	0	68	213	335	444	414	316	92	0	0	1,882
2020	0	0	0	72	224	354	469	437	334	97	0	0	1,987
2021	0	0	0	73	230	363	481	448	342	100	0	0	2,037
2022	0	0	0	75	236	372	493	460	351	102	0	0	2,090
2023	0	0	0	77	242	382	506	472	360	105	0	0	2,144
2024	0	0	0	79	249	392	519	484	370	108	0	0	2,200
2025	0	0	0	81	255	402	533	497	379	111	0	0	2,257
2026	0	0	0	83	262	412	547	510	389	114	0	0	2,317
2027	0	0	0	86	269	423	561	523	400	117	0	0	2,378
2028	0	0	0	88	276	435	576	537	410	120	0	0	2,441
2029	0	0	0	90	283	446	592	551	421	123	0	0	2,507
2030	0	0	0	93	291	458	608	566	432	126	0	0	2,574
2031	0	0	0	96	303	477	632	589	450	131	0	0	2,678
2032	0	0	0	100	315	496	658	613	468	137	0	0	2,786
2033	0	0	0	104	328	516	684	638	487	142	0	0	2,900
2034	0	0	0	109	341	537	712	664	507	148	0	0	3,019
2035	0	0	0	113	355	560	742	692	528	154	0	0	3,144
2036	0	0	0	118	370	583	773	720	550	160	0	0	3,274
2037	0	0	0	123	385	607	805	751	573	167	0	0	3,412
2038	0	0	0	128	402	633	839	782	597	174	0	0	3,555
2039	0	0	0	133	419	660	874	815	623	182	0	0	3,705
2040	0	0	0	139	437	688	912	850	649	189	0	0	3,863
2041	0	0	0	143	450	709	940	877	669	195	0	0	3,984
2042	0	0	0	148	464	732	970	904	690	201	0	0	4,110
2043	0	0	0	153	479	755	1,000	933	712	208	0	0	4,239
2044	0	0	0	157	494	779	1,032	962	735	214	0	0	4,374
2045	0	0	0	162	510	803	1,065	993	758	221	0	0	4,513
2046	0	0	0	168	526	829	1,099	1,024	782	228	0	0	4,657
2047	0	0	0	173	543	855	1,134	1,057	807	235	0	0	4,806
2048	0	0	0	179	560	883	1,170	1,091	833	243	0	0	4,960
2049	0	0	0	184	578	911	1,208	1,126	860	251	0	0	5,119
2050	0	0	0	190	597	941	1,247	1,163	888	259	0	0	5,284
2051	0	0	0	195	611	962	1,276	1,189	908	265	0	0	5,407
2052	0	0	0	199	625	985	1,306	1,217	929	271	0	0	5,532
2053	0	0	0	204	640	1,008	1,336	1,245	951	277	0	0	5,661
2054	0	0	0	209	655	1,031	1,367	1,274	973	284	0	0	5,793
2055	0	0	0	213	670	1,055	1,399	1,304	996	290	0	0	5,928
2056	0	0	0	218	686	1,080	1,432	1,335	1,019	297	0	0	6,066
2057	0	0	0	224	702	1,105	1,465	1,366	1,043	304	0	0	6,208
2058	0	0	0	229	718	1,131	1,500	1,398	1,067	311	0	0	6,354
2059	0	0	0	234	735	1,158	1,535	1,431	1,093	319	0	0	6,503
2060	0	0	0	240	752	1,185	1,571	1,464	1,118	326	0	0	6,656
2061	0	0	0	245	770	1,213	1,608	1,499	1,145	334	0	0	6,813
2062	0	0	0	250	786	1,238	1,642	1,530	1,169	341	0	0	6,956
2063	0	0	0	256	803	1,264	1,676	1,562	1,193	348	0	0	7,102
2064	0	0	0	261	819	1,291	1,711	1,595	1,218	355	0	0	7,252
2065	0	0	0	267	837	1,318	1,747	1,629	1,244	363	0	0	7,405

Santaquin Table 15

Santaquin													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	107	96	110	160	310	432	536	504	400	187	100	102	3,045
2018	117	105	120	174	336	468	581	546	433	204	109	111	3,304
2019	124	112	128	185	356	495	614	577	458	216	115	118	3,495
2020	131	119	135	196	376	523	649	610	484	228	122	125	3,700
2021	135	122	139	201	386	537	666	626	497	234	126	128	3,797
2022	139	125	143	206	396	551	683	643	510	241	129	132	3,898
2023	142	129	147	212	407	565	701	660	523	247	133	135	4,001
2024	146	132	151	218	417	580	719	677	537	254	136	139	4,108
2025	150	136	155	223	429	596	739	695	552	261	140	143	4,217
2026	154	140	159	229	440	612	758	713	566	268	144	147	4,331
2027	159	143	164	236	452	628	779	733	581	275	148	151	4,448
2028	163	147	168	242	464	645	799	752	597	282	152	155	4,568
2029	168	151	173	249	477	663	821	773	613	290	156	159	4,693
2030	172	156	178	256	490	681	843	794	630	298	161	164	4,821
2031	180	162	185	266	510	708	878	826	656	310	167	171	5,019
2032	187	169	193	277	531	738	914	860	683	323	174	178	5,227
2033	195	176	201	289	553	768	952	895	711	337	182	186	5,445
2034	204	184	210	301	576	800	991	933	741	351	190	193	5,673
2035	212	192	219	314	600	834	1,033	972	771	366	198	202	5,911
2036	221	200	228	327	626	869	1,076	1,012	804	381	206	210	6,161
2037	231	209	238	341	652	905	1,121	1,055	838	397	215	219	6,422
2038	241	218	248	356	680	944	1,169	1,100	873	414	224	229	6,696
2039	251	227	259	371	709	984	1,219	1,147	911	432	234	239	6,982
2040	262	237	270	387	739	1,026	1,271	1,196	950	451	244	249	7,282
2041	270	244	279	399	762	1,058	1,311	1,233	979	465	252	257	7,511
2042	279	252	288	412	786	1,092	1,352	1,272	1,010	480	260	265	7,747
2043	288	260	297	425	811	1,126	1,394	1,312	1,042	495	268	273	7,992
2044	297	268	306	438	837	1,162	1,439	1,354	1,075	510	277	282	8,244
2045	306	277	316	452	863	1,198	1,484	1,397	1,109	527	285	291	8,506
2046	316	285	326	466	891	1,237	1,532	1,441	1,144	543	294	300	8,776
2047	326	294	336	481	919	1,276	1,580	1,487	1,181	561	304	310	9,055
2048	336	304	347	497	949	1,317	1,631	1,535	1,219	578	313	320	9,344
2049	347	313	358	512	979	1,359	1,683	1,584	1,258	597	323	330	9,643
2050	358	323	369	529	1,010	1,403	1,737	1,635	1,298	616	334	340	9,952
2051	366	331	377	541	1,033	1,435	1,777	1,672	1,328	630	341	348	10,179
2052	374	338	386	553	1,057	1,468	1,818	1,711	1,358	644	349	356	10,411
2053	383	345	394	566	1,081	1,501	1,860	1,750	1,390	659	356	364	10,649
2054	391	353	403	578	1,106	1,536	1,903	1,790	1,421	674	364	372	10,892
2055	400	361	412	592	1,131	1,571	1,946	1,831	1,454	689	373	380	11,141
2056	409	369	421	605	1,157	1,607	1,991	1,874	1,488	705	381	389	11,396
2057	418	377	431	619	1,184	1,644	2,037	1,917	1,522	721	389	397	11,658
2058	427	386	440	633	1,211	1,682	2,085	1,961	1,557	737	398	406	11,926
2059	437	395	450	647	1,239	1,721	2,133	2,007	1,593	754	407	415	12,200
2060	447	403	460	662	1,268	1,761	2,182	2,054	1,630	772	416	425	12,481
2061	456	411	470	676	1,296	1,801	2,232	2,100	1,667	788	425	433	12,753
2062	465	420	479	690	1,322	1,838	2,278	2,143	1,701	804	433	442	13,014
2063	474	428	488	704	1,350	1,876	2,325	2,187	1,736	821	442	450	13,280
2064	483	436	498	718	1,377	1,914	2,373	2,233	1,772	837	450	459	13,552
2065	493	445	508	733	1,406	1,954	2,422	2,279	1,809	854	459	468	13,831

Santaquin Table 16

Santaquin													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	107	96	110	101	123	138	146	141	122	107	100	102	1,393
2018	116	105	120	110	134	150	159	153	133	116	108	110	1,515
2019	123	111	127	116	142	159	168	162	141	123	115	117	1,603
2020	130	118	134	123	150	168	178	172	149	130	121	124	1,697
2021	133	120	137	126	154	172	182	176	153	133	124	126	1,735
2022	136	123	140	129	157	176	186	180	156	136	127	129	1,775
2023	139	126	143	132	161	180	191	184	160	139	130	132	1,815
2024	142	129	147	135	164	184	195	188	163	142	133	135	1,857
2025	146	132	150	138	168	188	199	192	167	145	136	138	1,899
2026	149	135	154	141	172	192	204	197	171	149	139	142	1,943
2027	153	138	157	144	176	197	209	201	175	152	142	145	1,988
2028	156	141	161	148	180	201	214	206	179	156	145	148	2,035
2029	160	144	165	151	184	206	219	211	183	159	149	152	2,082
2030	163	148	168	155	189	211	224	216	187	163	152	155	2,131
2031	170	154	175	161	196	219	233	224	195	169	158	162	2,216
2032	177	160	182	167	204	228	242	233	203	176	165	168	2,304
2033	184	166	189	174	212	237	252	242	211	183	171	175	2,397
2034	191	173	197	181	221	247	262	252	219	191	178	182	2,493
2035	199	180	205	188	230	257	272	262	228	198	185	189	2,593
2036	207	187	213	196	239	267	283	273	237	206	193	197	2,698
2037	215	194	222	204	249	278	295	284	247	215	201	205	2,808
2038	224	202	231	212	259	289	307	296	257	223	209	213	2,922
2039	233	211	240	221	269	301	319	308	267	233	217	222	3,041
2040	243	219	250	230	280	313	332	320	278	242	226	231	3,166
2041	250	226	258	237	289	323	343	330	287	249	233	238	3,262
2042	258	233	266	244	298	333	353	340	295	257	240	245	3,361
2043	266	240	274	251	307	343	364	350	305	265	248	252	3,463
2044	274	247	282	259	316	353	375	361	314	273	255	260	3,569
2045	282	255	291	267	326	364	386	372	323	281	263	268	3,678
2046	291	263	300	275	336	375	398	383	333	290	271	276	3,791
2047	300	271	309	283	346	387	410	395	343	299	279	285	3,907
2048	309	279	318	292	357	399	423	407	354	308	288	294	4,027
2049	318	288	328	301	367	411	436	420	365	317	297	303	4,150
2050	328	296	338	310	379	423	449	433	376	327	306	312	4,278
2051	335	303	345	317	387	432	459	442	384	334	312	318	4,369
2052	342	309	353	324	395	442	469	451	392	341	319	325	4,462
2053	350	316	360	330	403	451	478	461	401	349	326	332	4,557
2054	357	322	368	338	412	461	489	471	409	356	333	339	4,654
2055	365	329	376	345	421	470	499	481	418	364	340	346	4,753
2056	372	336	384	352	430	480	510	491	427	371	347	354	4,854
2057	380	343	392	360	439	491	521	501	436	379	354	361	4,958
2058	388	351	400	367	448	501	532	512	445	387	362	369	5,063
2059	397	358	409	375	458	512	543	523	455	396	370	377	5,172
2060	405	366	418	383	468	523	555	534	464	404	378	385	5,282
2061	413	373	425	390	476	532	565	544	473	411	384	392	5,379
2062	420	380	433	397	485	542	575	554	482	419	392	399	5,479
2063	428	387	441	405	494	552	586	564	491	427	399	407	5,580
2064	436	394	449	412	503	563	597	575	500	435	406	414	5,684
2065	444	401	458	420	513	573	608	586	509	443	414	422	5,789

Santaquin Table 17

Santaquin													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	59	187	294	390	363	278	81	0	0	1,652
2018	0	0	0	64	199	314	416	388	296	86	0	0	1,764
2019	0	0	0	66	208	328	434	405	309	90	0	0	1,841
2020	0	0	0	69	217	342	454	423	323	94	0	0	1,922
2021	0	0	0	70	219	345	458	427	326	95	0	0	1,940
2022	0	0	0	70	221	349	462	431	329	96	0	0	1,958
2023	0	0	0	71	223	352	466	435	332	97	0	0	1,976
2024	0	0	0	72	225	355	471	439	335	98	0	0	1,995
2025	0	0	0	73	228	359	475	443	338	99	0	0	2,014
2026	0	0	0	73	230	362	480	447	342	100	0	0	2,033
2027	0	0	0	74	232	365	485	452	345	101	0	0	2,053
2028	0	0	0	75	234	369	489	456	348	102	0	0	2,073
2029	0	0	0	75	236	373	494	460	352	103	0	0	2,093
2030	0	0	0	76	239	376	499	465	355	104	0	0	2,113
2031	0	0	0	78	246	387	513	479	365	107	0	0	2,175
2032	0	0	0	81	253	399	529	493	376	110	0	0	2,239
2033	0	0	0	83	261	410	544	507	387	113	0	0	2,306
2034	0	0	0	86	268	423	561	523	399	116	0	0	2,375
2035	0	0	0	88	277	436	578	538	411	120	0	0	2,447
2036	0	0	0	91	285	449	595	555	424	124	0	0	2,522
2037	0	0	0	94	294	463	613	572	437	127	0	0	2,599
2038	0	0	0	96	303	477	632	590	450	131	0	0	2,680
2039	0	0	0	99	312	492	652	608	464	135	0	0	2,763
2040	0	0	0	103	322	507	672	627	479	140	0	0	2,849
2041	0	0	0	105	331	521	690	644	491	143	0	0	2,925
2042	0	0	0	108	339	535	709	661	505	147	0	0	3,004
2043	0	0	0	111	349	549	728	679	518	151	0	0	3,084
2044	0	0	0	114	358	564	748	697	532	155	0	0	3,168
2045	0	0	0	117	368	579	768	716	547	159	0	0	3,254
2046	0	0	0	120	378	595	789	735	561	164	0	0	3,342
2047	0	0	0	124	388	611	810	755	577	168	0	0	3,433
2048	0	0	0	127	399	628	833	776	593	173	0	0	3,528
2049	0	0	0	130	410	645	855	797	609	178	0	0	3,625
2050	0	0	0	134	421	663	879	819	626	183	0	0	3,725
2051	0	0	0	137	429	675	895	835	637	186	0	0	3,794
2052	0	0	0	139	437	688	912	850	649	189	0	0	3,865
2053	0	0	0	142	445	701	929	866	661	193	0	0	3,937
2054	0	0	0	144	453	714	946	882	674	197	0	0	4,011
2055	0	0	0	147	462	727	964	899	686	200	0	0	4,086
2056	0	0	0	150	470	741	982	916	699	204	0	0	4,163
2057	0	0	0	153	479	755	1,001	933	713	208	0	0	4,241
2058	0	0	0	156	488	769	1,020	951	726	212	0	0	4,321
2059	0	0	0	159	498	784	1,039	969	740	216	0	0	4,403
2060	0	0	0	162	507	799	1,059	987	754	220	0	0	4,487
2061	0	0	0	164	516	813	1,078	1,005	768	224	0	0	4,569
2062	0	0	0	167	524	826	1,095	1,021	779	227	0	0	4,640
2063	0	0	0	170	532	839	1,112	1,037	792	231	0	0	4,712
2064	0	0	0	172	541	852	1,129	1,053	804	234	0	0	4,785
2065	0	0	0	175	549	865	1,147	1,069	816	238	0	0	4,859

Santaquin Table 18

Santaquin													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	107	96	110	160	310	432	536	504	400	187	100	102	3,045
2018	116	105	120	173	334	464	576	541	430	202	108	110	3,280
2019	123	111	127	183	350	486	603	567	450	213	115	117	3,444
2020	130	118	134	192	367	510	632	595	472	224	121	124	3,619
2021	133	120	137	196	373	517	640	602	478	228	124	126	3,675
2022	136	123	140	199	378	524	648	610	485	232	127	129	3,733
2023	139	126	143	203	384	531	657	618	492	236	130	132	3,792
2024	142	129	147	206	390	539	666	627	498	240	133	135	3,852
2025	146	132	150	210	396	547	675	635	505	244	136	138	3,914
2026	149	135	154	214	402	554	684	644	512	248	139	142	3,977
2027	153	138	157	218	408	562	693	653	520	253	142	145	4,041
2028	156	141	161	222	414	570	703	662	527	257	145	148	4,108
2029	160	144	165	226	421	579	713	671	535	262	149	152	4,175
2030	163	148	168	231	427	587	722	680	542	267	152	155	4,244
2031	170	154	175	239	442	607	746	703	560	276	158	162	4,391
2032	177	160	182	248	457	627	770	726	579	286	165	168	4,544
2033	184	166	189	257	473	648	796	750	598	296	171	175	4,703
2034	191	173	197	266	489	670	822	775	618	307	178	182	4,868
2035	199	180	205	276	506	692	850	801	639	318	185	189	5,041
2036	207	187	213	286	524	716	879	828	661	330	193	197	5,220
2037	215	194	222	297	542	741	908	856	684	342	201	205	5,407
2038	224	202	231	308	562	766	939	885	707	355	209	213	5,602
2039	233	211	240	320	581	793	971	915	732	368	217	222	5,804
2040	243	219	250	332	602	821	1,005	947	757	382	226	231	6,015
2041	250	226	258	342	619	844	1,033	974	778	393	233	238	6,187
2042	258	233	266	352	637	867	1,062	1,001	800	404	240	245	6,365
2043	266	240	274	362	655	892	1,092	1,029	823	416	248	252	6,548
2044	274	247	282	373	674	917	1,122	1,058	846	428	255	260	6,737
2045	282	255	291	384	693	943	1,154	1,088	870	441	263	268	6,932
2046	291	263	300	395	713	970	1,187	1,119	895	454	271	276	7,133
2047	300	271	309	407	734	998	1,221	1,151	920	467	279	285	7,340
2048	309	279	318	419	755	1,026	1,255	1,183	947	481	288	294	7,554
2049	318	288	328	432	777	1,056	1,291	1,217	974	495	297	303	7,775
2050	328	296	338	444	800	1,086	1,328	1,252	1,002	510	306	312	8,003
2051	335	303	345	453	816	1,108	1,354	1,277	1,022	520	312	318	8,163
2052	342	309	353	463	832	1,130	1,381	1,302	1,042	531	319	325	8,326
2053	350	316	360	472	848	1,152	1,408	1,327	1,062	541	326	332	8,494
2054	357	322	368	482	865	1,175	1,435	1,353	1,083	552	333	339	8,664
2055	365	329	376	492	883	1,198	1,463	1,380	1,104	564	340	346	8,839
2056	372	336	384	502	900	1,221	1,492	1,407	1,126	575	347	354	9,017
2057	380	343	392	512	918	1,246	1,521	1,435	1,148	587	354	361	9,199
2058	388	351	400	523	937	1,270	1,552	1,463	1,171	599	362	369	9,385
2059	397	358	409	534	955	1,296	1,582	1,492	1,194	611	370	377	9,575
2060	405	366	418	545	975	1,321	1,613	1,521	1,218	624	378	385	9,769
2061	413	373	425	555	993	1,346	1,643	1,549	1,241	635	384	392	9,948
2062	420	380	433	564	1,009	1,368	1,670	1,575	1,261	646	392	399	10,119
2063	428	387	441	574	1,026	1,391	1,698	1,601	1,282	658	399	407	10,292
2064	436	394	449	584	1,044	1,414	1,726	1,628	1,304	669	406	414	10,469
2065	444	401	458	595	1,062	1,438	1,755	1,655	1,325	681	414	422	10,648

Santaquin Table 19

Santaquin													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	191	173	194	183	204	211	221	217	200	191	182	187	2,354
2017	82	74	81	80	77	70	71	73	74	82	80	83	927
2018	78	71	77	76	73	65	66	68	70	78	77	80	879
2019	78	70	77	76	73	65	66	68	70	78	77	80	878
2020	78	70	77	76	73	65	66	68	70	78	76	79	877
2021	78	70	77	76	73	65	66	68	70	78	76	79	876
2022	78	70	77	76	73	65	66	68	70	78	76	79	875
2023	78	70	77	76	73	65	66	68	70	78	76	79	875
2024	78	70	77	76	73	65	66	67	69	78	76	79	874
2025	78	70	77	76	73	65	66	67	69	78	76	79	873
2026	78	70	77	76	73	65	66	67	69	78	76	79	873
2027	77	70	77	76	73	65	66	67	69	78	76	79	872
2028	77	70	76	76	72	65	66	67	69	78	76	79	871
2029	77	70	76	76	72	64	65	67	69	77	76	79	870
2030	77	70	76	76	72	64	65	67	69	77	76	79	870
2031	77	70	76	75	72	64	65	67	69	77	76	79	868
2032	77	70	76	75	72	64	65	67	69	77	76	79	867
2033	77	70	76	75	72	64	65	67	69	77	76	79	866
2034	77	69	76	75	72	64	65	66	69	77	76	79	864
2035	77	69	76	75	72	64	65	66	68	77	75	78	863
2036	77	69	76	75	72	64	65	66	68	77	75	78	861
2037	77	69	76	75	71	63	64	66	68	77	75	78	860
2038	76	69	75	75	71	63	64	66	68	77	75	78	858
2039	76	69	75	75	71	63	64	66	68	76	75	78	856
2040	76	69	75	74	71	63	64	65	68	76	75	78	854
2041	76	69	75	74	71	63	64	65	68	76	75	78	853
2042	76	69	75	74	71	63	63	65	67	76	75	78	851
2043	76	68	75	74	71	62	63	65	67	76	75	77	850
2044	76	68	75	74	70	62	63	65	67	76	74	77	848
2045	76	68	75	74	70	62	63	65	67	76	74	77	847
2046	75	68	74	74	70	62	63	65	67	76	74	77	845
2047	75	68	74	74	70	62	63	64	67	75	74	77	843
2048	75	68	74	73	70	62	62	64	67	75	74	77	841
2049	75	68	74	73	70	61	62	64	66	75	74	77	840
2050	75	68	74	73	70	61	62	64	66	75	74	77	838
2051	75	68	74	73	69	61	62	64	66	75	74	76	836
2052	75	67	74	73	69	61	62	64	66	75	74	76	835
2053	75	67	73	73	69	61	62	63	66	75	73	76	833
2054	74	67	73	73	69	61	61	63	66	75	73	76	832
2055	74	67	73	73	69	61	61	63	66	74	73	76	830
2056	74	67	73	73	69	60	61	63	65	74	73	76	829
2057	74	67	73	72	69	60	61	63	65	74	73	76	827
2058	74	67	73	72	68	60	61	63	65	74	73	76	826
2059	74	67	73	72	68	60	61	62	65	74	73	76	824
2060	74	67	73	72	68	60	60	62	65	74	73	75	822
2061	74	66	72	72	68	60	60	62	65	74	73	75	821
2062	73	66	72	72	68	59	60	62	65	74	72	75	819
2063	73	66	72	72	68	59	60	62	65	73	72	75	818
2064	73	66	72	72	68	59	60	62	64	73	72	75	816
2065	73	66	72	72	67	59	60	61	64	73	72	75	814

Santaquin Table 20

Santaquin													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	286	720	378	273	260	271	222	0	0	2,410
2017	0	0	0	232	549	108	-84	-73	17	148	0	0	898
2018	0	0	0	260	621	173	-38	-29	45	168	0	0	1,199
2019	0	0	0	292	703	250	21	27	83	192	0	0	1,569
2020	0	0	0	325	790	331	83	86	122	217	0	0	1,955
2021	0	0	0	344	838	381	129	129	153	232	0	0	2,206
2022	0	0	0	362	888	433	175	173	183	248	0	0	2,461
2023	0	0	0	381	938	485	221	216	214	264	0	0	2,719
2024	0	0	0	401	990	538	268	261	245	280	0	0	2,981
2025	0	0	0	453	1,143	749	525	501	425	339	0	0	4,135
2026	0	0	0	473	1,196	804	573	546	456	356	0	0	4,404
2027	0	0	0	494	1,251	859	621	591	488	373	0	0	4,676
2028	0	0	0	515	1,307	916	669	637	519	390	0	0	4,953
2029	0	0	0	537	1,364	973	718	683	551	407	0	0	5,233
2030	0	0	0	559	1,422	1,031	768	729	583	425	0	0	5,517
2031	0	0	0	591	1,505	1,108	827	786	621	449	0	0	5,886
2032	0	0	0	625	1,591	1,188	887	843	659	473	0	0	6,265
2033	0	0	0	659	1,680	1,270	948	901	697	499	0	0	6,654
2034	0	0	0	695	1,772	1,355	1,011	961	736	525	0	0	7,055
2035	0	0	0	732	1,868	1,442	1,075	1,021	776	552	0	0	7,467
2036	0	0	0	771	1,967	1,532	1,140	1,083	817	581	0	0	7,892
2037	0	0	0	812	2,070	1,625	1,207	1,147	858	610	0	0	8,329
2038	0	0	0	854	2,177	1,721	1,275	1,212	900	640	0	0	8,779
2039	0	0	0	897	2,289	1,821	1,345	1,278	943	671	0	0	9,243
2040	0	0	0	943	2,404	1,923	1,416	1,346	987	703	0	0	9,722
2041	0	0	0	978	2,495	2,006	1,477	1,404	1,025	729	0	0	10,114
2042	0	0	0	1,014	2,588	2,091	1,539	1,463	1,064	755	0	0	10,515
2043	0	0	0	1,021	2,606	2,105	1,547	1,470	1,068	760	0	0	10,577
2044	0	0	0	1,008	2,571	2,085	1,529	1,453	1,052	749	0	0	10,447
2045	0	0	0	987	2,518	2,055	1,506	1,431	1,030	732	0	0	10,260
2046	0	0	0	965	2,463	2,024	1,481	1,408	1,006	715	0	0	10,063
2047	0	0	0	943	2,406	1,990	1,454	1,382	981	697	0	0	9,854
2048	0	0	0	920	2,347	1,955	1,425	1,354	954	678	0	0	9,633
2049	0	0	0	895	2,285	1,917	1,393	1,324	926	659	0	0	9,399
2050	0	0	0	870	2,220	1,878	1,360	1,293	896	638	0	0	9,153
2051	0	0	0	853	2,177	1,855	1,343	1,277	879	625	0	0	9,010
2052	0	0	0	830	2,117	1,807	1,293	1,230	839	604	0	0	8,720
2053	0	0	0	807	2,055	1,757	1,241	1,181	797	583	0	0	8,422
2054	0	0	0	783	1,992	1,706	1,188	1,132	755	561	0	0	8,118
2055	0	0	0	759	1,928	1,654	1,134	1,081	711	539	0	0	7,806
2056	0	0	0	734	1,861	1,601	1,079	1,029	666	517	0	0	7,487
2057	0	0	0	709	1,794	1,546	1,022	975	620	494	0	0	7,160
2058	0	0	0	683	1,725	1,490	963	920	574	470	0	0	6,825
2059	0	0	0	656	1,654	1,433	904	864	526	446	0	0	6,482
2060	0	0	0	629	1,581	1,374	842	807	476	421	0	0	6,130
2061	0	0	0	603	1,513	1,316	781	749	428	397	0	0	5,788
2062	0	0	0	578	1,446	1,262	724	696	382	374	0	0	5,461
2063	0	0	0	552	1,377	1,206	666	641	335	350	0	0	5,127
2064	0	0	0	526	1,307	1,149	606	585	287	326	0	0	4,787
2065	0	0	0	499	1,236	1,091	545	528	238	302	0	0	4,438

Santaquin Table 21

Santaquin													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	191	173	194	469	923	589	494	477	471	413	182	187	4,764
2017	82	74	81	311	626	178	-13	0	91	230	80	83	1,825
2018	78	71	77	336	694	238	28	39	115	246	77	80	2,078
2019	78	70	77	368	776	315	88	95	153	270	77	80	2,447
2020	78	70	77	401	863	396	149	154	192	295	76	79	2,831
2021	78	70	77	420	911	447	195	197	222	310	76	79	3,082
2022	78	70	77	438	960	498	241	240	253	326	76	79	3,337
2023	78	70	77	457	1,011	550	287	284	283	341	76	79	3,594
2024	78	70	77	477	1,062	602	334	328	314	357	76	79	3,855
2025	78	70	77	529	1,215	814	591	568	494	417	76	79	5,009
2026	78	70	77	549	1,269	869	639	613	526	433	76	79	5,277
2027	77	70	77	570	1,324	924	687	658	557	450	76	79	5,548
2028	77	70	76	591	1,379	980	735	704	588	467	76	79	5,824
2029	77	70	76	612	1,437	1,037	784	750	620	484	76	79	6,103
2030	77	70	76	635	1,495	1,095	833	796	652	502	76	79	6,387
2031	77	70	76	667	1,577	1,172	892	852	690	526	76	79	6,754
2032	77	70	76	700	1,663	1,252	952	909	727	551	76	79	7,132
2033	77	70	76	734	1,752	1,334	1,013	968	766	576	76	79	7,520
2034	77	69	76	770	1,844	1,418	1,076	1,027	805	602	76	79	7,919
2035	77	69	76	807	1,940	1,506	1,140	1,088	845	629	75	78	8,330
2036	77	69	76	846	2,039	1,596	1,205	1,150	885	657	75	78	8,753
2037	77	69	76	886	2,142	1,689	1,271	1,213	926	686	75	78	9,188
2038	76	69	75	928	2,249	1,785	1,339	1,277	968	716	75	78	9,637
2039	76	69	75	972	2,360	1,884	1,409	1,344	1,011	747	75	78	10,099
2040	76	69	75	1,017	2,475	1,986	1,480	1,411	1,054	779	75	78	10,576
2041	76	69	75	1,052	2,566	2,069	1,541	1,469	1,092	805	75	78	10,967
2042	76	69	75	1,089	2,659	2,154	1,603	1,528	1,131	831	75	78	11,367
2043	76	68	75	1,096	2,676	2,168	1,610	1,535	1,135	836	75	77	11,426
2044	76	68	75	1,082	2,641	2,147	1,593	1,518	1,119	825	74	77	11,295
2045	76	68	75	1,061	2,588	2,117	1,569	1,496	1,097	808	74	77	11,107
2046	75	68	74	1,039	2,534	2,086	1,544	1,472	1,073	791	74	77	10,907
2047	75	68	74	1,017	2,476	2,052	1,516	1,446	1,048	773	74	77	10,697
2048	75	68	74	993	2,417	2,016	1,487	1,418	1,021	754	74	77	10,474
2049	75	68	74	969	2,354	1,979	1,455	1,388	992	734	74	77	10,239
2050	75	68	74	943	2,289	1,939	1,422	1,356	962	713	74	77	9,991
2051	75	68	74	926	2,246	1,917	1,405	1,341	946	699	74	76	9,846
2052	75	67	74	903	2,186	1,868	1,355	1,293	905	679	74	76	9,554
2053	75	67	73	880	2,124	1,818	1,303	1,245	863	658	73	76	9,256
2054	74	67	73	856	2,061	1,767	1,250	1,195	820	636	73	76	8,950
2055	74	67	73	832	1,996	1,715	1,196	1,144	777	614	73	76	8,637
2056	74	67	73	807	1,930	1,661	1,140	1,091	732	591	73	76	8,316
2057	74	67	73	781	1,862	1,606	1,083	1,038	686	568	73	76	7,987
2058	74	67	73	755	1,793	1,550	1,024	983	639	544	73	76	7,650
2059	74	67	73	728	1,722	1,493	964	927	591	519	73	76	7,306
2060	74	67	73	701	1,649	1,434	903	869	541	494	73	75	6,953
2061	74	66	72	675	1,581	1,376	842	812	492	471	73	75	6,609
2062	73	66	72	650	1,514	1,321	784	758	446	447	72	75	6,281
2063	73	66	72	624	1,445	1,265	726	703	399	424	72	75	5,945
2064	73	66	72	598	1,375	1,208	666	647	351	400	72	75	5,603
2065	73	66	72	571	1,303	1,150	605	589	302	375	72	75	5,253

Santaquin Table 22

Santaquin													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	191	173	194	183	204	211	221	217	200	191	182	187	2,354
2017	84	76	84	82	80	73	75	76	77	84	82	86	961
2018	82	74	81	80	78	71	72	74	75	82	81	84	934
2019	83	75	83	81	79	72	74	75	76	83	82	85	949
2020	85	76	84	82	81	74	75	77	77	85	83	86	964
2021	85	77	84	83	81	74	76	77	78	85	83	86	971
2022	86	77	85	83	82	75	77	78	79	86	84	87	978
2023	86	78	86	84	83	76	78	79	79	86	84	87	986
2024	87	78	86	85	83	77	78	80	80	87	85	88	994
2025	87	79	87	85	84	77	79	80	81	88	85	89	1,002
2026	88	80	87	86	85	78	80	81	81	88	86	89	1,010
2027	89	80	88	86	86	79	81	82	82	89	87	90	1,019
2028	89	81	89	87	86	80	82	83	83	89	87	90	1,027
2029	90	81	90	88	87	81	83	84	84	90	88	91	1,036
2030	91	82	90	88	88	82	84	85	85	91	89	92	1,046
2031	92	83	91	89	89	83	85	86	86	92	90	93	1,060
2032	93	84	93	90	91	85	87	88	87	93	91	94	1,076
2033	94	85	94	92	92	86	89	89	89	94	92	95	1,092
2034	96	86	95	93	93	88	90	91	90	96	93	96	1,108
2035	97	88	97	94	95	90	92	93	92	97	94	98	1,126
2036	98	89	98	95	97	92	94	95	93	98	96	99	1,144
2037	100	90	100	97	98	93	96	97	95	100	97	100	1,163
2038	101	92	101	98	100	95	98	99	97	101	98	102	1,183
2039	103	93	103	100	102	97	101	101	98	103	100	103	1,204
2040	105	95	104	101	104	100	103	103	100	105	101	105	1,226
2041	106	96	106	103	105	101	105	105	102	106	103	106	1,242
2042	107	97	107	104	107	103	106	106	103	107	104	107	1,259
2043	109	98	109	105	108	105	108	108	105	109	105	109	1,277
2044	110	99	110	106	110	107	110	110	106	110	106	110	1,295
2045	111	101	111	108	112	108	112	112	108	111	108	111	1,314
2046	113	102	113	109	113	110	114	114	110	113	109	113	1,333
2047	114	103	115	111	115	112	116	116	112	114	111	114	1,353
2048	116	105	116	112	117	114	118	118	113	116	112	116	1,374
2049	118	106	118	114	119	116	121	120	115	118	114	117	1,395
2050	119	108	120	115	121	119	123	122	117	119	115	119	1,417
2051	121	109	121	116	122	120	125	124	119	121	116	120	1,433
2052	122	110	122	118	124	122	126	126	120	122	117	121	1,450
2053	123	111	124	119	125	123	128	127	122	123	119	122	1,466
2054	124	112	125	120	127	125	130	129	123	124	120	124	1,484
2055	126	114	126	121	128	127	132	131	125	126	121	125	1,501
2056	127	115	128	123	130	129	134	133	126	127	122	126	1,519
2057	129	116	129	124	131	130	136	135	128	128	124	128	1,537
2058	130	117	131	125	133	132	137	136	129	130	125	129	1,556
2059	131	119	132	127	135	134	140	138	131	131	126	130	1,575
2060	133	120	134	128	137	136	142	140	133	133	128	132	1,595
2061	134	121	135	129	138	138	143	142	134	134	129	133	1,613
2062	136	123	136	131	140	140	145	144	136	136	130	134	1,631
2063	137	124	138	132	141	142	147	146	138	137	132	136	1,649
2064	139	125	139	133	143	143	149	148	139	138	133	137	1,668
2065	140	126	141	135	145	145	151	150	141	140	134	139	1,687

Santaquin Table 23

Santaquin													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	286	720	378	273	260	271	222	0	0	2,410
2017	0	0	0	232	549	108	-84	-73	17	148	0	0	898
2018	0	0	0	261	626	181	-28	-20	53	170	0	0	1,243
2019	0	0	0	294	711	264	40	44	96	196	0	0	1,646
2020	0	0	0	329	802	351	109	111	141	223	0	0	2,066
2021	0	0	0	348	853	404	159	157	174	239	0	0	2,335
2022	0	0	0	367	904	459	209	205	208	255	0	0	2,607
2023	0	0	0	387	957	514	260	252	241	272	0	0	2,883
2024	0	0	0	407	1,010	570	311	301	275	288	0	0	3,164
2025	0	0	0	460	1,165	785	573	545	459	349	0	0	4,337
2026	0	0	0	481	1,221	843	625	594	493	367	0	0	4,625
2027	0	0	0	503	1,278	902	678	644	528	384	0	0	4,918
2028	0	0	0	525	1,337	962	732	695	563	403	0	0	5,216
2029	0	0	0	547	1,396	1,023	786	746	599	421	0	0	5,518
2030	0	0	0	570	1,457	1,085	840	797	635	440	0	0	5,825
2031	0	0	0	604	1,544	1,169	907	861	678	465	0	0	6,228
2032	0	0	0	638	1,634	1,255	976	926	722	492	0	0	6,643
2033	0	0	0	674	1,727	1,344	1,047	993	767	519	0	0	7,070
2034	0	0	0	711	1,824	1,436	1,119	1,061	813	548	0	0	7,511
2035	0	0	0	750	1,924	1,530	1,192	1,131	860	577	0	0	7,965
2036	0	0	0	791	2,028	1,628	1,268	1,202	908	607	0	0	8,433
2037	0	0	0	833	2,137	1,730	1,345	1,276	957	638	0	0	8,915
2038	0	0	0	876	2,249	1,834	1,425	1,351	1,007	671	0	0	9,413
2039	0	0	0	922	2,366	1,943	1,506	1,428	1,058	704	0	0	9,928
2040	0	0	0	969	2,487	2,055	1,590	1,508	1,110	739	0	0	10,459
2041	0	0	0	1,006	2,583	2,145	1,661	1,575	1,156	767	0	0	10,892
2042	0	0	0	1,044	2,681	2,237	1,733	1,643	1,201	796	0	0	11,334
2043	0	0	0	1,052	2,703	2,259	1,750	1,660	1,212	802	0	0	11,439
2044	0	0	0	1,040	2,673	2,246	1,743	1,653	1,204	793	0	0	11,354
2045	0	0	0	1,021	2,626	2,225	1,731	1,641	1,190	779	0	0	11,214
2046	0	0	0	1,002	2,577	2,202	1,717	1,628	1,175	764	0	0	11,064
2047	0	0	0	981	2,525	2,177	1,702	1,613	1,158	749	0	0	10,905
2048	0	0	0	959	2,471	2,151	1,685	1,597	1,140	732	0	0	10,735
2049	0	0	0	937	2,415	2,123	1,666	1,579	1,120	715	0	0	10,555
2050	0	0	0	914	2,357	2,093	1,645	1,559	1,099	697	0	0	10,364
2051	0	0	0	898	2,318	2,078	1,639	1,553	1,090	686	0	0	10,261
2052	0	0	0	877	2,263	2,037	1,598	1,514	1,056	667	0	0	10,013
2053	0	0	0	855	2,206	1,995	1,557	1,475	1,022	648	0	0	9,759
2054	0	0	0	833	2,148	1,952	1,514	1,435	987	629	0	0	9,498
2055	0	0	0	810	2,089	1,908	1,471	1,394	950	609	0	0	9,231
2056	0	0	0	787	2,028	1,863	1,426	1,352	914	589	0	0	8,958
2057	0	0	0	763	1,965	1,816	1,380	1,309	876	568	0	0	8,678
2058	0	0	0	739	1,902	1,769	1,333	1,265	837	547	0	0	8,392
2059	0	0	0	714	1,836	1,721	1,285	1,220	797	525	0	0	8,099
2060	0	0	0	689	1,770	1,671	1,236	1,174	756	502	0	0	7,798
2061	0	0	0	665	1,707	1,623	1,187	1,128	717	481	0	0	7,508
2062	0	0	0	642	1,646	1,576	1,141	1,085	679	461	0	0	7,229
2063	0	0	0	618	1,582	1,529	1,095	1,041	640	439	0	0	6,944
2064	0	0	0	593	1,518	1,481	1,047	996	601	418	0	0	6,653
2065	0	0	0	568	1,452	1,432	998	950	560	396	0	0	6,356

Santaquin Table 24

Santaquin													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	191	173	194	469	923	589	494	477	471	413	182	187	4,764
2017	84	76	84	314	629	182	-9	4	94	232	82	86	1,859
2018	82	74	81	342	704	251	44	54	128	253	81	84	2,177
2019	83	75	83	376	791	336	113	119	172	279	82	85	2,594
2020	85	76	84	412	883	425	185	187	218	307	83	86	3,030
2021	85	77	84	431	934	479	235	235	252	324	83	86	3,306
2022	86	77	85	451	986	534	286	283	286	341	84	87	3,585
2023	86	78	86	471	1,039	590	338	331	321	358	84	87	3,869
2024	87	78	86	492	1,094	647	390	380	355	375	85	88	4,157
2025	87	79	87	545	1,249	863	652	626	540	437	85	89	5,339
2026	88	80	87	567	1,306	922	705	676	575	455	86	89	5,636
2027	89	80	88	589	1,364	982	759	726	610	473	87	90	5,937
2028	89	81	89	612	1,423	1,042	814	778	646	492	87	90	6,243
2029	90	81	90	635	1,483	1,104	868	829	683	511	88	91	6,554
2030	91	82	90	659	1,545	1,167	924	882	719	531	89	92	6,870
2031	92	83	91	693	1,633	1,252	993	947	764	557	90	93	7,288
2032	93	84	93	729	1,724	1,340	1,063	1,014	809	585	91	94	7,718
2033	94	85	94	766	1,819	1,430	1,135	1,082	856	614	92	95	8,162
2034	96	86	95	804	1,917	1,524	1,209	1,152	903	643	93	96	8,619
2035	97	88	97	844	2,019	1,620	1,285	1,224	951	674	94	98	9,090
2036	98	89	98	886	2,125	1,720	1,362	1,297	1,001	705	96	99	9,576
2037	100	90	100	930	2,235	1,823	1,442	1,372	1,052	738	97	100	10,078
2038	101	92	101	975	2,349	1,930	1,523	1,450	1,103	772	98	102	10,596
2039	103	93	103	1,022	2,468	2,040	1,607	1,529	1,156	807	100	103	11,131
2040	105	95	104	1,070	2,591	2,154	1,693	1,611	1,211	844	101	105	11,684
2041	106	96	106	1,109	2,688	2,246	1,765	1,680	1,257	873	103	106	12,134
2042	107	97	107	1,148	2,788	2,340	1,839	1,749	1,305	903	104	107	12,594
2043	109	98	109	1,158	2,811	2,364	1,858	1,768	1,317	911	105	109	12,716
2044	110	99	110	1,147	2,783	2,353	1,854	1,763	1,311	903	106	110	12,649
2045	111	101	111	1,129	2,738	2,333	1,843	1,753	1,298	891	108	111	12,527
2046	113	102	113	1,111	2,690	2,312	1,831	1,742	1,284	877	109	113	12,397
2047	114	103	115	1,091	2,640	2,290	1,818	1,729	1,269	863	111	114	12,258
2048	116	105	116	1,071	2,588	2,265	1,803	1,715	1,253	848	112	116	12,109
2049	118	106	118	1,051	2,534	2,240	1,787	1,699	1,235	833	114	117	11,950
2050	119	108	120	1,029	2,477	2,212	1,768	1,681	1,216	817	115	119	11,781
2051	121	109	121	1,014	2,441	2,198	1,763	1,677	1,208	806	116	120	11,695
2052	122	110	122	994	2,387	2,159	1,725	1,640	1,176	789	117	121	11,463
2053	123	111	124	974	2,331	2,119	1,685	1,603	1,143	771	119	122	11,225
2054	124	112	125	953	2,275	2,077	1,644	1,564	1,110	753	120	124	10,982
2055	126	114	126	932	2,217	2,035	1,602	1,525	1,075	735	121	125	10,732
2056	127	115	128	910	2,158	1,991	1,560	1,485	1,040	716	122	126	10,477
2057	129	116	129	887	2,097	1,947	1,516	1,444	1,003	696	124	128	10,216
2058	130	117	131	864	2,035	1,901	1,471	1,402	966	676	125	129	9,948
2059	131	119	132	841	1,971	1,855	1,425	1,358	928	656	126	130	9,674
2060	133	120	134	817	1,906	1,807	1,378	1,314	889	635	128	132	9,393
2061	134	121	135	795	1,845	1,761	1,331	1,270	851	616	129	133	9,121
2062	136	123	136	772	1,785	1,716	1,287	1,229	815	596	130	134	8,860
2063	137	124	138	750	1,724	1,671	1,242	1,187	778	576	132	136	8,593
2064	139	125	139	727	1,661	1,625	1,196	1,143	740	556	133	137	8,321
2065	140	126	141	703	1,597	1,577	1,149	1,099	701	536	134	139	8,043

Santaquin Table 25

Santaquin													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	191	173	194	183	204	211	221	217	200	191	182	187	2,354
2017	84	76	84	82	80	73	75	76	77	84	82	86	961
2018	83	75	82	81	78	71	73	74	75	83	81	84	939
2019	84	76	83	82	80	73	75	76	77	84	82	85	959
2020	86	77	85	84	82	75	77	78	79	86	84	87	980
2021	87	79	86	85	83	77	79	80	80	87	85	88	995
2022	88	80	88	86	85	78	80	81	82	88	86	89	1,011
2023	89	81	89	87	86	80	82	83	83	90	87	90	1,028
2024	91	82	90	88	88	82	84	85	84	91	89	92	1,045
2025	92	83	92	90	89	84	86	87	86	92	90	93	1,063
2026	94	84	93	91	91	85	88	88	88	94	91	94	1,081
2027	95	86	95	92	93	87	90	90	89	95	92	96	1,100
2028	96	87	96	94	94	89	92	92	91	97	94	97	1,119
2029	98	89	98	95	96	91	94	94	93	98	95	99	1,140
2030	100	90	99	97	98	93	96	97	95	100	97	100	1,161
2031	102	92	101	98	100	96	99	99	97	102	99	102	1,186
2032	104	94	103	100	103	98	101	102	99	104	100	104	1,212
2033	106	95	106	102	105	101	104	104	102	106	102	106	1,240
2034	108	98	108	105	108	104	107	107	104	108	105	108	1,269
2035	110	100	110	107	110	107	111	111	107	110	107	110	1,300
2036	113	102	113	109	113	110	114	114	110	113	109	113	1,332
2037	115	104	116	112	116	114	118	117	113	115	111	115	1,366
2038	118	107	118	114	119	117	121	121	116	118	114	118	1,402
2039	121	109	121	117	123	121	125	125	119	121	117	120	1,439
2040	124	112	125	120	126	125	129	129	123	124	120	123	1,479
2041	126	114	127	122	129	127	132	131	125	126	122	125	1,507
2042	128	116	129	124	131	130	135	134	128	128	124	127	1,536
2043	131	118	131	126	134	133	138	137	130	131	126	130	1,566
2044	133	120	134	128	137	136	142	141	133	133	128	132	1,596
2045	136	122	136	131	140	140	145	144	136	135	130	134	1,629
2046	138	125	139	133	142	143	149	147	139	138	133	137	1,662
2047	141	127	142	135	146	146	152	151	142	141	135	139	1,696
2048	143	130	144	138	149	150	156	154	145	143	138	142	1,732
2049	146	132	147	141	152	153	160	158	148	146	140	144	1,769
2050	149	135	150	144	155	157	164	162	151	149	143	147	1,807
2051	151	137	153	146	158	160	167	165	154	151	145	149	1,837
2052	154	139	155	148	161	163	170	168	157	154	147	152	1,867
2053	156	141	158	150	163	166	173	171	159	156	149	154	1,897
2054	159	143	160	152	166	169	177	174	162	158	152	156	1,929
2055	161	145	163	155	169	172	180	177	165	161	154	159	1,962
2056	164	148	165	157	172	176	184	181	168	163	156	161	1,995
2057	166	150	168	160	175	179	187	184	171	166	159	163	2,029
2058	169	153	171	162	178	183	191	188	174	169	161	166	2,064
2059	172	155	174	165	181	186	195	192	177	172	164	169	2,100
2060	175	158	177	167	185	190	199	195	181	174	167	171	2,137
2061	177	160	179	170	188	193	202	199	184	177	169	174	2,173
2062	180	163	182	173	191	197	206	203	187	180	172	177	2,210
2063	183	165	185	175	194	201	210	206	190	183	174	179	2,247
2064	186	168	188	178	198	204	214	210	193	186	177	182	2,285
2065	189	171	191	181	201	208	218	214	197	189	180	185	2,324

Santaquin Table 26

Santaquin													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	286	720	378	273	260	271	222	0	0	2,410
2017	0	0	0	232	549	108	-84	-73	17	148	0	0	898
2018	0	0	0	262	628	184	-23	-15	56	171	0	0	1,263
2019	0	0	0	296	716	271	49	53	103	198	0	0	1,687
2020	0	0	0	332	809	362	125	125	152	226	0	0	2,131
2021	0	0	0	352	864	422	182	179	191	243	0	0	2,432
2022	0	0	0	372	919	482	241	234	230	261	0	0	2,739
2023	0	0	0	393	975	544	300	289	269	280	0	0	3,051
2024	0	0	0	415	1,033	607	360	346	310	298	0	0	3,368
2025	0	0	0	469	1,193	829	630	599	500	361	0	0	4,580
2026	0	0	0	491	1,253	894	692	657	541	381	0	0	4,909
2027	0	0	0	514	1,315	960	755	716	583	400	0	0	5,244
2028	0	0	0	538	1,378	1,028	819	776	625	421	0	0	5,584
2029	0	0	0	562	1,443	1,097	883	837	669	441	0	0	5,932
2030	0	0	0	587	1,509	1,168	949	898	712	462	0	0	6,286
2031	0	0	0	622	1,601	1,258	1,026	971	762	490	0	0	6,731
2032	0	0	0	658	1,695	1,352	1,105	1,046	814	519	0	0	7,190
2033	0	0	0	695	1,794	1,450	1,187	1,123	867	548	0	0	7,664
2034	0	0	0	735	1,896	1,550	1,271	1,202	921	579	0	0	8,154
2035	0	0	0	775	2,003	1,654	1,357	1,284	977	611	0	0	8,661
2036	0	0	0	818	2,113	1,762	1,446	1,368	1,034	644	0	0	9,185
2037	0	0	0	862	2,228	1,874	1,537	1,454	1,093	678	0	0	9,727
2038	0	0	0	908	2,348	1,990	1,632	1,544	1,154	714	0	0	10,289
2039	0	0	0	956	2,472	2,110	1,729	1,636	1,216	751	0	0	10,870
2040	0	0	0	1,006	2,602	2,235	1,829	1,731	1,281	789	0	0	11,472
2041	0	0	0	1,044	2,702	2,333	1,911	1,808	1,333	819	0	0	11,951
2042	0	0	0	1,084	2,806	2,434	1,994	1,886	1,387	850	0	0	12,440
2043	0	0	0	1,094	2,834	2,464	2,023	1,914	1,406	859	0	0	12,594
2044	0	0	0	1,084	2,809	2,461	2,028	1,918	1,407	852	0	0	12,560
2045	0	0	0	1,067	2,768	2,449	2,028	1,918	1,402	841	0	0	12,473
2046	0	0	0	1,049	2,725	2,436	2,028	1,917	1,395	829	0	0	12,379
2047	0	0	0	1,030	2,680	2,422	2,026	1,915	1,388	816	0	0	12,277
2048	0	0	0	1,011	2,633	2,406	2,023	1,912	1,380	802	0	0	12,167
2049	0	0	0	991	2,584	2,389	2,019	1,907	1,371	788	0	0	12,049
2050	0	0	0	970	2,533	2,371	2,013	1,902	1,361	774	0	0	11,923
2051	0	0	0	956	2,500	2,365	2,019	1,907	1,361	765	0	0	11,874
2052	0	0	0	937	2,451	2,334	1,992	1,881	1,336	749	0	0	11,681
2053	0	0	0	917	2,401	2,302	1,964	1,855	1,311	733	0	0	11,483
2054	0	0	0	897	2,349	2,269	1,935	1,827	1,286	716	0	0	11,280
2055	0	0	0	877	2,297	2,236	1,905	1,800	1,260	699	0	0	11,073
2056	0	0	0	856	2,243	2,202	1,875	1,771	1,233	682	0	0	10,862
2057	0	0	0	834	2,188	2,167	1,844	1,742	1,206	664	0	0	10,646
2058	0	0	0	812	2,131	2,131	1,813	1,712	1,178	646	0	0	10,425
2059	0	0	0	790	2,074	2,094	1,781	1,682	1,150	628	0	0	10,199
2060	0	0	0	767	2,015	2,057	1,748	1,651	1,121	609	0	0	9,968
2061	0	0	0	746	1,961	2,022	1,717	1,621	1,094	591	0	0	9,752
2062	0	0	0	725	1,907	1,989	1,688	1,594	1,068	574	0	0	9,545
2063	0	0	0	704	1,853	1,955	1,659	1,567	1,042	557	0	0	9,335
2064	0	0	0	682	1,797	1,920	1,629	1,538	1,015	539	0	0	9,120
2065	0	0	0	660	1,740	1,885	1,599	1,510	988	521	0	0	8,902

Santaquin Table 27

Santaquin													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	191	173	194	469	923	589	494	477	471	413	182	187	4,764
2017	84	76	84	314	629	182	-9	4	94	232	82	86	1,859
2018	83	75	82	343	706	255	49	59	131	254	81	84	2,202
2019	84	76	83	378	796	344	124	129	180	282	82	85	2,645
2020	86	77	85	415	892	438	202	203	231	312	84	87	3,111
2021	87	79	86	436	947	499	261	259	271	331	85	88	3,428
2022	88	80	88	458	1,004	561	321	315	311	350	86	89	3,750
2023	89	81	89	480	1,062	624	382	372	352	369	87	90	4,079
2024	91	82	90	503	1,121	688	443	430	394	389	89	92	4,413
2025	92	83	92	558	1,282	912	716	685	586	453	90	93	5,643
2026	94	84	93	582	1,344	979	780	745	629	474	91	94	5,990
2027	95	86	95	606	1,408	1,047	844	806	672	495	92	96	6,343
2028	96	87	96	632	1,473	1,117	910	868	716	517	94	97	6,704
2029	98	89	98	657	1,539	1,188	977	931	761	539	95	99	7,072
2030	100	90	99	683	1,607	1,261	1,045	995	807	562	97	100	7,447
2031	102	92	101	720	1,701	1,354	1,125	1,070	859	592	99	102	7,916
2032	104	94	103	758	1,798	1,451	1,207	1,148	913	622	100	104	8,402
2033	106	95	106	798	1,899	1,551	1,291	1,228	968	654	102	106	8,904
2034	108	98	108	839	2,004	1,654	1,378	1,310	1,025	687	105	108	9,423
2035	110	100	110	882	2,113	1,761	1,467	1,394	1,084	721	107	110	9,961
2036	113	102	113	927	2,227	1,872	1,560	1,482	1,144	757	109	113	10,517
2037	115	104	116	974	2,345	1,988	1,655	1,572	1,206	794	111	115	11,093
2038	118	107	118	1,022	2,467	2,107	1,753	1,665	1,270	832	114	118	11,691
2039	121	109	121	1,073	2,595	2,231	1,854	1,760	1,336	872	117	120	12,310
2040	124	112	125	1,125	2,728	2,360	1,959	1,860	1,403	913	120	123	12,952
2041	126	114	127	1,166	2,831	2,461	2,043	1,939	1,459	945	122	125	13,458
2042	128	116	129	1,208	2,937	2,565	2,129	2,021	1,515	978	124	127	13,976
2043	131	118	131	1,220	2,968	2,598	2,161	2,051	1,537	989	126	130	14,159
2044	133	120	134	1,212	2,946	2,597	2,170	2,059	1,540	985	128	132	14,156
2045	136	122	136	1,197	2,908	2,588	2,173	2,062	1,537	976	130	134	14,101
2046	138	125	139	1,182	2,868	2,579	2,176	2,064	1,534	967	133	137	14,040
2047	141	127	142	1,166	2,826	2,568	2,178	2,066	1,530	957	135	139	13,973
2048	143	130	144	1,149	2,782	2,556	2,179	2,066	1,525	946	138	142	13,899
2049	146	132	147	1,131	2,736	2,543	2,178	2,065	1,519	935	140	144	13,818
2050	149	135	150	1,113	2,688	2,528	2,177	2,064	1,512	923	143	147	13,731
2051	151	137	153	1,102	2,658	2,525	2,186	2,072	1,515	916	145	149	13,711
2052	154	139	155	1,085	2,612	2,497	2,162	2,049	1,493	903	147	152	13,547
2053	156	141	158	1,067	2,564	2,468	2,137	2,026	1,471	889	149	154	13,380
2054	159	143	160	1,050	2,516	2,439	2,111	2,002	1,448	875	152	156	13,209
2055	161	145	163	1,031	2,466	2,408	2,085	1,977	1,425	860	154	159	13,035
2056	164	148	165	1,013	2,415	2,377	2,059	1,952	1,401	846	156	161	12,857
2057	166	150	168	994	2,363	2,346	2,032	1,926	1,377	830	159	163	12,675
2058	169	153	171	974	2,310	2,314	2,004	1,900	1,352	815	161	166	12,489
2059	172	155	174	955	2,255	2,281	1,976	1,874	1,327	799	164	169	12,299
2060	175	158	177	934	2,199	2,247	1,947	1,846	1,301	783	167	171	12,105
2061	177	160	179	916	2,149	2,215	1,919	1,820	1,277	768	169	174	11,925
2062	180	163	182	898	2,098	2,186	1,894	1,797	1,255	754	172	177	11,755
2063	183	165	185	879	2,047	2,156	1,869	1,773	1,232	739	174	179	11,582
2064	186	168	188	860	1,994	2,125	1,843	1,749	1,209	724	177	182	11,405
2065	189	171	191	841	1,941	2,093	1,817	1,724	1,185	709	180	185	11,225

SPANISH FORK

Explanation of Supply and Demand Tables – Spanish Fork City

Spanish Fork Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Spanish Fork Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Spanish Fork Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the City's existing corporate boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Spanish Fork Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Spanish Fork Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Spanish Fork Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Spanish Fork Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Spanish Fork Table 8: Spanish Fork River. The current available volume was estimated based on the allocation of river flows from the 1977 Spanish Fork River Commissioner Report. Spanish Fork River water rights held by the City and shares of Spanish Fork river companies currently owned by the City were also considered in the estimate. River companies share volumes were allocated to the City based on how the river companies' boundaries overlay the City. The 2065 volume was calculated based on anticipated future conversion of river companies shares from agricultural use to municipal use.

Spanish Fork Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. Spanish Fork River flows delivered from City -owned water rights and through the river companies are not included in these volumes but are included in Table 8. Irrigation share volumes were allocated to the City based on how the irrigation company boundaries overlay the City. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Spanish Fork Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Spanish Fork, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Spanish Fork Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Spanish Fork, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Spanish Fork Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Spanish Fork Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Spanish Fork Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Spanish Fork Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Spanish Fork Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Spanish Fork Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Spanish Fork Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Spanish Fork Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Spanish Fork Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Spanish Fork Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Spanish Fork Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Spanish Fork Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Spanish Fork Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Spanish Fork Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater

(Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Spanish Fork Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Spanish Fork Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Spanish Fork Table 1

Spanish Fork													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2017	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2018	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2019	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2020	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2021	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2022	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2023	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2024	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2025	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2026	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2027	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2028	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2029	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2030	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2031	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2032	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2033	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2034	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2035	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2036	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2037	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2038	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2039	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2040	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2041	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2042	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2043	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2044	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2045	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2046	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2047	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2048	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2049	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2050	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2051	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2052	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2053	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2054	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2055	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2056	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2057	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2058	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2059	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2060	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2061	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2062	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2063	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2064	825	745	825	798	825	798	825	825	798	825	798	825	9,710
2065	825	745	825	798	825	798	825	825	798	825	798	825	9,710

Spanish Fork Table 2

Spanish Fork													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2026	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2027	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2028	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2029	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2030	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2031	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2032	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2033	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2034	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2035	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2036	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2037	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2038	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2039	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2040	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2041	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2042	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2043	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2044	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2045	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2046	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2047	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2048	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2049	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2050	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2051	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2052	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2053	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2054	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2055	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2056	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2057	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2058	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2059	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2060	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2061	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2062	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2063	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2064	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820
2065	0	0	0	282	884	1,392	1,846	1,720	1,314	383	0	0	7,820

Spanish Fork Table 3

Spanish Fork													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	3	10	440	971	660	1,002	139	21	0	0	3,246
2017	0	0	3	10	440	971	660	1,002	139	21	0	0	3,246
2018	0	0	3	11	459	1,011	688	1,043	144	22	0	0	3,381
2019	0	0	3	11	478	1,053	716	1,087	150	23	0	0	3,522
2020	0	0	3	12	498	1,097	746	1,132	157	24	0	0	3,668
2021	0	0	4	12	511	1,126	766	1,162	161	25	0	0	3,765
2022	0	0	4	12	524	1,155	786	1,192	165	25	0	0	3,864
2023	0	0	4	13	538	1,186	807	1,224	169	26	0	0	3,966
2024	0	0	4	13	552	1,217	828	1,256	174	27	0	0	4,071
2025	0	0	4	13	567	1,249	850	1,289	178	27	0	0	4,178
2026	0	0	4	14	582	1,282	872	1,323	183	28	0	0	4,289
2027	0	0	4	14	597	1,316	896	1,358	188	29	0	0	4,402
2028	0	0	4	14	613	1,351	919	1,394	193	30	0	0	4,519
2029	0	0	4	15	629	1,387	944	1,431	198	30	0	0	4,639
2030	0	0	5	15	646	1,424	969	1,469	203	31	0	0	4,762
2031	0	0	5	15	665	1,467	998	1,513	209	32	0	0	4,905
2032	0	0	5	16	685	1,511	1,028	1,559	216	33	0	0	5,053
2033	0	0	5	16	706	1,556	1,059	1,606	222	34	0	0	5,205
2034	0	0	5	17	728	1,603	1,091	1,655	229	35	0	0	5,363
2035	0	0	5	17	750	1,652	1,124	1,705	236	36	0	0	5,525
2036	0	0	5	18	772	1,702	1,158	1,756	243	37	0	0	5,692
2037	0	0	6	18	796	1,753	1,193	1,809	250	38	0	0	5,864
2038	0	0	6	19	820	1,807	1,229	1,864	258	40	0	0	6,042
2039	0	0	6	20	845	1,861	1,266	1,921	266	41	0	0	6,225
2040	0	0	6	20	870	1,918	1,305	1,979	274	42	0	0	6,414
2041	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2042	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2043	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2044	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2045	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2046	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2047	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2048	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2049	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2050	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2051	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2052	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2053	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2054	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2055	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2056	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2057	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2058	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2059	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2060	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2061	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2062	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2063	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2064	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472
2065	0	0	6	20	878	1,935	1,317	1,997	276	42	0	0	6,472

Spanish Fork Table 4

Spanish Fork													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	22	95	72	80	68	41	36	10	0	0	425
2017	0	0	22	95	72	80	68	41	36	10	0	0	425
2018	0	0	31	132	100	111	94	57	50	14	0	0	588
2019	0	0	40	170	128	143	121	74	64	18	0	0	758
2020	0	0	49	210	158	176	149	91	79	23	0	0	935
2021	0	0	55	236	178	198	168	102	89	25	0	0	1,052
2022	0	0	61	263	199	221	187	114	99	28	0	0	1,172
2023	0	0	68	291	219	244	207	126	109	31	0	0	1,295
2024	0	0	74	319	241	268	227	138	120	34	0	0	1,422
2025	0	0	81	348	263	293	247	151	131	37	0	0	1,552
2026	0	0	88	378	285	318	269	164	142	41	0	0	1,685
2027	0	0	95	409	309	344	291	177	153	44	0	0	1,822
2028	0	0	103	440	333	370	313	191	165	47	0	0	1,963
2029	0	0	110	473	357	398	336	205	178	51	0	0	2,108
2030	0	0	118	506	382	426	360	220	190	54	0	0	2,257
2031	0	0	127	545	412	458	388	236	205	59	0	0	2,430
2032	0	0	137	585	442	492	416	254	220	63	0	0	2,609
2033	0	0	146	627	473	527	446	272	235	67	0	0	2,793
2034	0	0	156	669	505	563	476	290	251	72	0	0	2,983
2035	0	0	167	713	539	600	507	309	268	77	0	0	3,179
2036	0	0	177	759	573	638	539	329	285	82	0	0	3,381
2037	0	0	188	805	608	677	573	349	302	87	0	0	3,589
2038	0	0	199	853	644	718	607	370	320	92	0	0	3,804
2039	0	0	211	903	682	759	642	392	339	97	0	0	4,025
2040	0	0	223	954	721	802	678	414	358	103	0	0	4,254
2041	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2042	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2043	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2044	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2045	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2046	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2047	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2048	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2049	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2050	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2051	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2052	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2053	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2054	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2055	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2056	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2057	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2058	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2059	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2060	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2061	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2062	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2063	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2064	0	0	227	970	732	816	690	421	364	104	0	0	4,324
2065	0	0	227	970	732	816	690	421	364	104	0	0	4,324

Spanish Fork Table 5

Spanish Fork													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2017	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2018	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2019	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2020	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2021	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2022	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2023	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2024	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2025	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2026	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2027	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2028	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2029	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2030	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2031	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2032	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2033	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2034	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2035	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2036	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2037	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2038	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2039	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2040	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2041	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2042	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2043	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2044	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2045	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2046	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2047	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2048	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2049	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2050	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2051	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2052	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2053	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2054	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2055	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2056	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2057	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2058	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2059	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2060	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2061	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2062	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2063	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2064	111	100	115	105	128	143	152	147	127	111	104	106	1,449
2065	111	100	115	105	128	143	152	147	127	111	104	106	1,449

Spanish Fork Table 6

Spanish Fork													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Spanish Fork Table 7

Spanish Fork													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	16	15	17	15	19	21	22	22	19	16	15	16	214
2019	33	30	34	32	39	43	46	44	38	33	31	32	436
2020	51	46	53	49	59	66	70	68	59	51	48	49	669
2021	63	57	65	60	73	81	86	83	72	63	59	60	822
2022	75	68	77	71	87	97	103	99	86	75	70	71	979
2023	87	79	90	83	101	113	120	115	100	87	81	83	1,140
2024	100	90	103	95	116	129	137	132	115	100	93	95	1,306
2025	113	102	117	107	131	146	155	149	130	113	106	108	1,476
2026	127	114	131	120	146	163	173	167	145	126	118	120	1,651
2027	140	127	145	133	162	181	192	185	161	140	131	133	1,831
2028	155	140	159	146	178	199	212	204	177	154	144	147	2,015
2029	169	153	174	160	195	218	232	223	194	169	158	161	2,205
2030	184	166	190	174	212	238	252	243	211	184	172	175	2,400
2031	202	182	208	191	233	260	276	266	231	201	188	191	2,627
2032	219	198	226	208	253	283	300	289	252	219	205	209	2,861
2033	238	215	245	225	275	307	326	314	273	237	222	226	3,103
2034	257	232	265	243	297	332	352	339	295	256	240	244	3,352
2035	277	250	285	262	320	357	379	365	317	276	258	263	3,609
2036	297	268	306	281	343	383	407	392	341	296	277	282	3,873
2037	318	287	328	301	367	410	435	419	365	317	296	302	4,146
2038	340	307	350	321	392	438	465	448	389	339	316	323	4,427
2039	362	327	373	342	418	467	495	477	415	361	337	344	4,717
2040	385	347	397	364	444	497	527	507	441	384	359	366	5,017
2041	397	359	409	376	458	513	544	524	455	396	370	377	5,178
2042	410	370	422	387	473	529	561	540	470	409	382	389	5,343
2043	423	382	436	400	488	545	579	557	484	421	394	402	5,510
2044	436	393	449	412	503	562	596	575	499	434	406	414	5,680
2045	449	405	463	424	518	579	615	592	515	448	418	427	5,852
2046	462	418	476	437	534	597	633	610	530	461	431	439	6,028
2047	476	430	491	450	549	614	652	628	546	475	444	452	6,206
2048	490	442	505	463	566	632	671	646	562	489	457	466	6,387
2049	504	455	519	477	582	650	690	665	578	503	470	479	6,571
2050	518	468	534	490	598	669	710	684	594	517	483	493	6,758
2051	534	482	550	505	617	689	731	704	612	533	498	508	6,964
2052	550	497	567	520	635	710	753	726	631	549	513	523	7,172
2053	566	512	584	536	654	731	775	747	649	565	528	538	7,385
2054	583	527	601	551	673	752	798	769	668	581	543	554	7,601
2055	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2056	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2057	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2058	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2059	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2060	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2061	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2062	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2063	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2064	586	529	604	554	677	756	802	773	672	584	546	557	7,641
2065	586	529	604	554	677	756	802	773	672	584	546	557	7,641

Spanish Fork Table 8

Spanish Fork													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	22	95	72	80	68	41	36	10	0	0	425
2017	0	0	22	95	72	80	68	41	36	10	0	0	425
2018	0	0	28	118	89	100	84	51	44	13	0	0	528
2019	0	0	33	143	108	120	101	62	54	15	0	0	635
2020	0	0	39	168	127	141	119	73	63	18	0	0	747
2021	0	0	43	184	139	155	131	80	69	20	0	0	821
2022	0	0	47	201	152	169	143	87	76	22	0	0	897
2023	0	0	51	219	165	184	155	95	82	23	0	0	975
2024	0	0	55	237	179	199	168	103	89	25	0	0	1,055
2025	0	0	60	255	193	214	181	111	96	27	0	0	1,137
2026	0	0	64	274	207	230	195	119	103	29	0	0	1,221
2027	0	0	69	293	222	247	209	127	110	31	0	0	1,308
2028	0	0	73	313	237	263	223	136	118	34	0	0	1,397
2029	0	0	78	334	252	281	237	145	125	36	0	0	1,488
2030	0	0	83	355	268	298	252	154	133	38	0	0	1,582
2031	0	0	89	379	287	319	270	165	143	41	0	0	1,692
2032	0	0	95	405	306	340	288	176	152	43	0	0	1,805
2033	0	0	101	431	325	362	306	187	162	46	0	0	1,921
2034	0	0	107	458	346	385	325	199	172	49	0	0	2,041
2035	0	0	114	486	367	408	345	211	182	52	0	0	2,165
2036	0	0	120	514	388	432	366	223	193	55	0	0	2,292
2037	0	0	127	544	411	457	387	236	204	58	0	0	2,424
2038	0	0	134	574	434	483	408	249	216	62	0	0	2,560
2039	0	0	142	606	457	509	430	263	227	65	0	0	2,699
2040	0	0	149	638	482	536	453	277	240	68	0	0	2,843
2041	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2042	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2043	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2044	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2045	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2046	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2047	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2048	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2049	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2050	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2051	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2052	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2053	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2054	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2055	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2056	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2057	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2058	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2059	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2060	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2061	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2062	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2063	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2064	0	0	151	648	489	545	461	281	243	70	0	0	2,888
2065	0	0	151	648	489	545	461	281	243	70	0	0	2,888

Spanish Fork Table 9

Spanish Fork													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	3	13	10	11	10	6	5	1	0	0	60
2019	0	0	6	28	21	23	20	12	10	3	0	0	123
2020	0	0	10	42	32	35	30	18	16	5	0	0	188
2021	0	0	12	52	39	44	37	22	19	6	0	0	231
2022	0	0	14	62	47	52	44	27	23	7	0	0	275
2023	0	0	17	72	54	60	51	31	27	8	0	0	320
2024	0	0	19	82	62	69	59	36	31	9	0	0	367
2025	0	0	22	93	70	78	66	40	35	10	0	0	415
2026	0	0	24	104	79	88	74	45	39	11	0	0	464
2027	0	0	27	115	87	97	82	50	43	12	0	0	515
2028	0	0	30	127	96	107	90	55	48	14	0	0	567
2029	0	0	32	139	105	117	99	60	52	15	0	0	620
2030	0	0	35	151	114	127	108	66	57	16	0	0	675
2031	0	0	39	166	125	139	118	72	62	18	0	0	738
2032	0	0	42	180	136	152	128	78	68	19	0	0	804
2033	0	0	46	196	148	165	139	85	73	21	0	0	872
2034	0	0	49	211	160	178	150	92	79	23	0	0	942
2035	0	0	53	228	172	191	162	99	85	25	0	0	1,014
2036	0	0	57	244	184	205	174	106	92	26	0	0	1,089
2037	0	0	61	261	197	220	186	113	98	28	0	0	1,165
2038	0	0	65	279	211	235	199	121	105	30	0	0	1,244
2039	0	0	69	298	225	250	212	129	112	32	0	0	1,326
2040	0	0	74	316	239	266	225	137	119	34	0	0	1,410
2041	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2042	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2043	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2044	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2045	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2046	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2047	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2048	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2049	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2050	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2051	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2052	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2053	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2054	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2055	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2056	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2057	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2058	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2059	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2060	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2061	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2062	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2063	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2064	0	0	75	322	243	271	229	140	121	35	0	0	1,436
2065	0	0	75	322	243	271	229	140	121	35	0	0	1,436

Spanish Fork Table 10

Spanish Fork													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	426	385	439	403	492	550	584	562	489	425	397	405	5,557
2018	445	402	458	420	513	574	609	586	510	443	414	423	5,798
2019	464	419	478	439	536	599	635	612	532	463	432	441	6,049
2020	484	437	499	458	559	625	663	638	555	483	451	460	6,311
2021	497	449	512	470	574	642	681	656	570	496	463	473	6,483
2022	511	461	526	483	590	659	699	674	586	509	476	485	6,660
2023	525	474	541	496	606	677	718	692	602	523	489	499	6,842
2024	539	487	556	510	622	696	738	711	618	538	502	512	7,029
2025	554	500	571	524	639	715	758	730	635	552	516	526	7,221
2026	569	514	586	538	657	734	779	750	652	567	530	541	7,418
2027	585	528	602	553	675	754	800	771	670	583	545	555	7,620
2028	600	542	619	568	693	775	822	792	688	599	560	571	7,829
2029	617	557	636	583	712	796	844	814	707	615	575	586	8,042
2030	634	572	653	599	732	818	868	836	726	632	591	602	8,262
2031	653	590	673	618	754	843	894	862	749	651	609	621	8,518
2032	674	608	694	637	778	869	922	888	772	672	628	640	8,782
2033	694	627	716	657	802	896	951	916	796	693	647	660	9,054
2034	716	647	738	677	826	924	980	944	821	714	667	680	9,335
2035	738	667	761	698	852	953	1,011	974	846	736	688	702	9,624
2036	761	687	784	720	879	982	1,042	1,004	872	759	709	723	9,922
2037	785	709	809	742	906	1,013	1,074	1,035	899	782	731	746	10,230
2038	809	731	834	765	934	1,044	1,107	1,067	927	807	754	769	10,547
2039	834	753	860	789	963	1,076	1,142	1,100	956	832	777	793	10,874
2040	860	777	886	813	993	1,110	1,177	1,134	986	857	801	817	11,211
2041	874	789	901	826	1,009	1,128	1,196	1,153	1,002	871	814	830	11,393
2042	888	802	915	840	1,025	1,146	1,216	1,171	1,018	886	828	844	11,579
2043	903	815	930	853	1,042	1,165	1,236	1,190	1,035	900	841	858	11,767
2044	917	828	945	867	1,059	1,184	1,256	1,210	1,051	915	855	872	11,958
2045	932	842	961	881	1,076	1,203	1,276	1,229	1,068	930	869	886	12,153
2046	947	856	976	896	1,094	1,222	1,297	1,249	1,086	945	883	900	12,351
2047	963	869	992	910	1,111	1,242	1,318	1,270	1,104	960	897	915	12,551
2048	978	884	1,008	925	1,129	1,263	1,339	1,290	1,121	976	912	930	12,756
2049	994	898	1,025	940	1,148	1,283	1,361	1,311	1,140	991	927	945	12,963
2050	1,010	913	1,041	955	1,166	1,304	1,383	1,333	1,158	1,008	942	960	13,174
2051	1,028	929	1,060	972	1,187	1,327	1,408	1,356	1,179	1,025	958	977	13,405
2052	1,046	945	1,078	989	1,208	1,350	1,432	1,380	1,199	1,043	975	994	13,641
2053	1,065	962	1,097	1,007	1,229	1,374	1,458	1,404	1,220	1,062	992	1,012	13,880
2054	1,083	978	1,116	1,024	1,251	1,398	1,483	1,429	1,242	1,080	1,010	1,030	14,124
2055	1,102	996	1,136	1,042	1,272	1,423	1,509	1,454	1,264	1,099	1,027	1,048	14,372
2056	1,122	1,013	1,156	1,061	1,295	1,448	1,536	1,479	1,286	1,119	1,045	1,066	14,625
2057	1,141	1,031	1,176	1,079	1,318	1,473	1,563	1,505	1,308	1,138	1,064	1,085	14,881
2058	1,161	1,049	1,197	1,098	1,341	1,499	1,590	1,532	1,331	1,158	1,082	1,104	15,143
2059	1,182	1,067	1,218	1,118	1,364	1,525	1,618	1,559	1,355	1,179	1,101	1,123	15,409
2060	1,203	1,086	1,239	1,137	1,388	1,552	1,646	1,586	1,379	1,199	1,121	1,143	15,679
2061	1,217	1,099	1,255	1,151	1,405	1,571	1,667	1,606	1,395	1,214	1,134	1,157	15,872
2062	1,232	1,113	1,270	1,165	1,423	1,590	1,687	1,625	1,413	1,229	1,148	1,171	16,066
2063	1,247	1,127	1,286	1,180	1,440	1,610	1,708	1,645	1,430	1,244	1,162	1,185	16,263
2064	1,263	1,140	1,301	1,194	1,458	1,630	1,729	1,665	1,447	1,259	1,177	1,200	16,463
2065	1,278	1,154	1,317	1,209	1,476	1,650	1,750	1,686	1,465	1,275	1,191	1,215	16,665

Spanish Fork Table 11

Spanish Fork													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	188	590	929	1,232	1,148	877	256	0	0	5,220
2018	0	0	0	196	617	971	1,288	1,201	917	267	0	0	5,457
2019	0	0	0	205	645	1,016	1,347	1,255	959	280	0	0	5,706
2020	0	0	0	215	674	1,062	1,408	1,312	1,002	292	0	0	5,965
2021	0	0	0	221	694	1,093	1,449	1,351	1,032	301	0	0	6,141
2022	0	0	0	228	714	1,125	1,492	1,391	1,062	310	0	0	6,321
2023	0	0	0	234	735	1,158	1,536	1,432	1,093	319	0	0	6,507
2024	0	0	0	241	757	1,192	1,581	1,474	1,125	328	0	0	6,699
2025	0	0	0	248	779	1,227	1,627	1,517	1,159	338	0	0	6,896
2026	0	0	0	256	802	1,264	1,675	1,562	1,193	348	0	0	7,099
2027	0	0	0	263	826	1,301	1,725	1,608	1,228	358	0	0	7,308
2028	0	0	0	271	850	1,339	1,775	1,655	1,264	369	0	0	7,522
2029	0	0	0	279	875	1,378	1,827	1,704	1,301	379	0	0	7,744
2030	0	0	0	287	901	1,419	1,881	1,754	1,339	391	0	0	7,971
2031	0	0	0	296	931	1,466	1,943	1,812	1,383	404	0	0	8,235
2032	0	0	0	306	961	1,514	2,008	1,872	1,429	417	0	0	8,507
2033	0	0	0	316	993	1,564	2,074	1,934	1,477	431	0	0	8,789
2034	0	0	0	327	1,026	1,616	2,143	1,997	1,525	445	0	0	9,079
2035	0	0	0	338	1,060	1,670	2,214	2,064	1,576	460	0	0	9,380
2036	0	0	0	349	1,095	1,725	2,287	2,132	1,628	475	0	0	9,690
2037	0	0	0	360	1,131	1,782	2,362	2,202	1,682	490	0	0	10,010
2038	0	0	0	372	1,169	1,841	2,440	2,275	1,737	507	0	0	10,341
2039	0	0	0	385	1,207	1,902	2,521	2,350	1,795	523	0	0	10,683
2040	0	0	0	397	1,247	1,964	2,604	2,428	1,854	541	0	0	11,036
2041	0	0	0	405	1,270	2,000	2,652	2,472	1,888	551	0	0	11,238
2042	0	0	0	412	1,293	2,037	2,701	2,517	1,922	561	0	0	11,443
2043	0	0	0	419	1,317	2,074	2,750	2,564	1,958	571	0	0	11,652
2044	0	0	0	427	1,341	2,112	2,800	2,610	1,993	581	0	0	11,865
2045	0	0	0	435	1,365	2,151	2,851	2,658	2,030	592	0	0	12,082
2046	0	0	0	443	1,390	2,190	2,903	2,707	2,067	603	0	0	12,303
2047	0	0	0	451	1,416	2,230	2,956	2,756	2,105	614	0	0	12,527
2048	0	0	0	459	1,441	2,271	3,010	2,806	2,143	625	0	0	12,756
2049	0	0	0	468	1,468	2,312	3,065	2,858	2,182	636	0	0	12,989
2050	0	0	0	476	1,495	2,354	3,121	2,910	2,222	648	0	0	13,226
2051	0	0	0	485	1,524	2,400	3,182	2,967	2,265	661	0	0	13,485
2052	0	0	0	495	1,554	2,447	3,245	3,025	2,310	674	0	0	13,748
2053	0	0	0	505	1,584	2,495	3,308	3,084	2,355	687	0	0	14,017
2054	0	0	0	514	1,615	2,544	3,373	3,144	2,401	700	0	0	14,291
2055	0	0	0	525	1,646	2,593	3,438	3,205	2,448	714	0	0	14,570
2056	0	0	0	535	1,679	2,644	3,506	3,268	2,495	728	0	0	14,854
2057	0	0	0	545	1,711	2,696	3,574	3,332	2,544	742	0	0	15,144
2058	0	0	0	556	1,745	2,748	3,644	3,397	2,594	757	0	0	15,440
2059	0	0	0	567	1,779	2,802	3,715	3,463	2,644	771	0	0	15,741
2060	0	0	0	578	1,813	2,857	3,787	3,531	2,696	786	0	0	16,048
2061	0	0	0	586	1,839	2,897	3,841	3,581	2,734	798	0	0	16,276
2062	0	0	0	594	1,865	2,938	3,896	3,632	2,773	809	0	0	16,507
2063	0	0	0	603	1,892	2,980	3,951	3,683	2,813	820	0	0	16,742
2064	0	0	0	611	1,919	3,022	4,007	3,735	2,853	832	0	0	16,979
1905	0	0	0	620	1,946	3,065	4,064	3,788	2,893	844	0	0	17,220

Spanish Fork Table 12

Spanish Fork													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	426	385	439	591	1,082	1,479	1,815	1,711	1,366	681	397	405	10,777
2018	445	402	458	617	1,130	1,545	1,897	1,787	1,427	711	414	423	11,255
2019	464	419	478	644	1,180	1,614	1,982	1,867	1,490	742	432	441	11,754
2020	484	437	499	672	1,233	1,686	2,070	1,951	1,557	775	451	460	12,276
2021	497	449	512	691	1,268	1,735	2,130	2,007	1,602	797	463	473	12,624
2022	511	461	526	711	1,304	1,784	2,191	2,064	1,648	819	476	485	12,981
2023	525	474	541	730	1,341	1,836	2,254	2,124	1,695	842	489	499	13,349
2024	539	487	556	751	1,379	1,888	2,319	2,185	1,743	866	502	512	13,728
2025	554	500	571	772	1,419	1,942	2,386	2,248	1,793	890	516	526	14,117
2026	569	514	586	794	1,459	1,998	2,454	2,312	1,845	915	530	541	14,517
2027	585	528	602	816	1,500	2,055	2,525	2,379	1,898	941	545	555	14,928
2028	600	542	619	839	1,543	2,114	2,597	2,447	1,952	967	560	571	15,351
2029	617	557	636	862	1,587	2,174	2,672	2,517	2,008	995	575	586	15,786
2030	634	572	653	886	1,632	2,237	2,749	2,589	2,066	1,022	591	602	16,233
2031	653	590	673	914	1,685	2,309	2,838	2,673	2,132	1,055	609	621	16,753
2032	674	608	694	943	1,739	2,384	2,930	2,760	2,201	1,089	628	640	17,289
2033	694	627	716	973	1,795	2,461	3,025	2,849	2,273	1,123	647	660	17,843
2034	716	647	738	1,004	1,852	2,540	3,123	2,942	2,346	1,159	667	680	18,414
2035	738	667	761	1,036	1,912	2,622	3,224	3,037	2,422	1,196	688	702	19,004
2036	761	687	784	1,068	1,973	2,707	3,329	3,135	2,500	1,234	709	723	19,612
2037	785	709	809	1,102	2,037	2,794	3,437	3,237	2,581	1,273	731	746	20,240
2038	809	731	834	1,137	2,102	2,885	3,548	3,342	2,665	1,313	754	769	20,888
2039	834	753	860	1,173	2,170	2,978	3,663	3,450	2,751	1,355	777	793	21,557
2040	860	777	886	1,210	2,240	3,074	3,782	3,562	2,840	1,398	801	817	22,247
2041	874	789	901	1,231	2,279	3,128	3,848	3,625	2,890	1,422	814	830	22,631
2042	888	802	915	1,252	2,318	3,183	3,916	3,689	2,940	1,446	828	844	23,022
2043	903	815	930	1,273	2,359	3,239	3,986	3,754	2,992	1,471	841	858	23,419
2044	917	828	945	1,294	2,400	3,296	4,056	3,820	3,045	1,496	855	872	23,824
2045	932	842	961	1,316	2,441	3,354	4,127	3,887	3,098	1,522	869	886	24,235
2046	947	856	976	1,339	2,484	3,412	4,200	3,956	3,153	1,547	883	900	24,653
2047	963	869	992	1,361	2,527	3,472	4,274	4,026	3,208	1,574	897	915	25,079
2048	978	884	1,008	1,384	2,571	3,533	4,350	4,097	3,265	1,601	912	930	25,512
2049	994	898	1,025	1,408	2,616	3,595	4,427	4,169	3,322	1,628	927	945	25,952
2050	1,010	913	1,041	1,432	2,661	3,658	4,505	4,242	3,380	1,656	942	960	26,400
2051	1,028	929	1,060	1,458	2,711	3,727	4,590	4,323	3,444	1,686	958	977	26,890
2052	1,046	945	1,078	1,484	2,761	3,797	4,677	4,404	3,509	1,717	975	994	27,389
2053	1,065	962	1,097	1,511	2,813	3,869	4,765	4,488	3,575	1,748	992	1,012	27,897
2054	1,083	978	1,116	1,539	2,865	3,942	4,856	4,573	3,643	1,781	1,010	1,030	28,415
2055	1,102	996	1,136	1,567	2,919	4,016	4,948	4,659	3,711	1,813	1,027	1,048	28,942
2056	1,122	1,013	1,156	1,595	2,973	4,092	5,041	4,747	3,781	1,846	1,045	1,066	29,479
2057	1,141	1,031	1,176	1,625	3,029	4,169	5,137	4,837	3,853	1,880	1,064	1,085	30,025
2058	1,161	1,049	1,197	1,654	3,085	4,247	5,234	4,929	3,925	1,915	1,082	1,104	30,582
2059	1,182	1,067	1,218	1,684	3,143	4,327	5,333	5,022	3,999	1,950	1,101	1,123	31,150
2060	1,203	1,086	1,239	1,715	3,202	4,408	5,434	5,117	4,075	1,986	1,121	1,143	31,727
2061	1,217	1,099	1,255	1,737	3,244	4,468	5,508	5,186	4,130	2,011	1,134	1,157	32,148
2062	1,232	1,113	1,270	1,760	3,288	4,529	5,583	5,257	4,186	2,038	1,148	1,171	32,574
2063	1,247	1,127	1,286	1,782	3,332	4,590	5,659	5,328	4,242	2,064	1,162	1,185	33,005
2064	1,263	1,140	1,301	1,805	3,376	4,652	5,736	5,401	4,300	2,091	1,177	1,200	33,442
1905	1,278	1,154	1,317	1,829	3,421	4,715	5,814	5,474	4,358	2,118	1,191	1,215	33,885

Spanish Fork Table 13

Spanish Fork													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	394	356	406	373	455	508	539	520	452	393	367	374	5,136
2018	410	370	422	387	473	529	561	540	470	409	382	389	5,342
2019	426	385	439	403	492	550	584	562	489	425	397	405	5,558
2020	444	401	457	419	512	572	607	585	508	442	413	421	5,782
2021	455	411	469	430	525	587	623	600	521	454	424	432	5,930
2022	466	421	481	441	538	602	639	615	535	465	435	443	6,082
2023	478	432	493	452	552	617	655	631	548	477	446	455	6,237
2024	491	443	506	464	566	633	672	647	562	489	457	466	6,398
2025	503	455	519	476	581	650	689	664	577	502	469	478	6,562
2026	516	466	532	488	596	666	707	681	592	515	481	491	6,731
2027	530	478	546	501	611	683	725	698	607	528	494	503	6,905
2028	543	491	560	514	627	701	744	717	623	542	506	516	7,083
2029	557	503	574	527	643	719	763	735	639	556	519	530	7,266
2030	572	516	589	541	660	738	783	754	655	570	533	543	7,455
2031	589	532	607	557	679	760	806	776	675	587	549	559	7,674
2032	606	547	625	573	699	782	830	799	695	604	565	576	7,900
2033	624	563	643	590	720	805	854	823	715	622	581	593	8,134
2034	642	580	662	607	741	829	879	847	736	640	599	610	8,374
2035	661	597	682	625	763	853	905	872	758	659	616	628	8,622
2036	681	615	702	644	786	879	932	898	781	679	635	647	8,878
2037	701	633	723	663	809	905	960	925	804	699	653	666	9,142
2038	722	652	744	683	833	932	988	952	828	720	673	686	9,413
2039	744	671	766	703	858	959	1,018	981	852	741	693	707	9,693
2040	766	691	789	724	884	988	1,048	1,010	878	763	713	728	9,982
2041	778	702	801	735	898	1,004	1,065	1,026	891	775	725	739	10,139
2042	790	713	814	747	912	1,019	1,081	1,042	905	788	736	751	10,298
2043	802	725	827	759	926	1,035	1,098	1,058	920	800	748	762	10,459
2044	815	736	840	770	941	1,051	1,115	1,075	934	812	759	774	10,623
2045	828	747	853	783	955	1,068	1,133	1,091	949	825	771	786	10,790
2046	841	759	866	795	970	1,085	1,151	1,109	964	838	783	799	10,959
2047	854	771	880	807	986	1,102	1,169	1,126	979	851	796	811	11,131
2048	867	783	894	820	1,001	1,119	1,187	1,144	994	865	808	824	11,306
2049	881	796	908	833	1,017	1,137	1,206	1,162	1,010	878	821	837	11,484
2050	895	808	922	846	1,033	1,155	1,225	1,180	1,026	892	834	850	11,665
2051	910	822	938	860	1,050	1,174	1,246	1,200	1,043	907	848	865	11,863
2052	925	836	954	875	1,068	1,194	1,267	1,220	1,061	923	862	879	12,065
2053	941	850	970	890	1,086	1,215	1,288	1,241	1,079	938	877	894	12,270
2054	957	864	986	905	1,105	1,235	1,310	1,262	1,097	954	892	910	12,479
2055	974	879	1,003	921	1,124	1,256	1,333	1,284	1,116	971	907	925	12,692
2056	990	894	1,020	936	1,143	1,278	1,355	1,306	1,135	987	923	941	12,908
2057	1,007	909	1,038	952	1,162	1,299	1,379	1,328	1,154	1,004	938	957	13,128
2058	1,024	925	1,055	968	1,182	1,322	1,402	1,351	1,174	1,021	954	973	13,352
2059	1,042	941	1,073	985	1,202	1,344	1,426	1,374	1,194	1,039	971	990	13,580
2060	1,059	957	1,092	1,002	1,223	1,367	1,450	1,397	1,214	1,056	987	1,007	13,812
2061	1,072	968	1,105	1,014	1,238	1,383	1,468	1,414	1,229	1,069	999	1,019	13,977
2062	1,085	980	1,118	1,026	1,252	1,400	1,485	1,431	1,244	1,082	1,011	1,031	14,144
2063	1,098	991	1,131	1,038	1,267	1,417	1,503	1,448	1,258	1,095	1,023	1,043	14,313
2064	1,111	1,003	1,145	1,051	1,282	1,434	1,521	1,465	1,273	1,108	1,035	1,056	14,484
2065	1,124	1,015	1,159	1,063	1,298	1,451	1,539	1,483	1,289	1,121	1,048	1,068	14,657

Spanish Fork Table 14

Spanish Fork													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	188	590	929	1,232	1,148	877	256	0	0	5,220
2018	0	0	0	196	617	971	1,288	1,201	917	267	0	0	5,457
2019	0	0	0	205	645	1,016	1,347	1,255	959	280	0	0	5,706
2020	0	0	0	215	674	1,062	1,408	1,312	1,002	292	0	0	5,965
2021	0	0	0	221	694	1,093	1,449	1,351	1,032	301	0	0	6,141
2022	0	0	0	228	714	1,125	1,492	1,391	1,062	310	0	0	6,321
2023	0	0	0	234	735	1,158	1,536	1,432	1,093	319	0	0	6,507
2024	0	0	0	241	757	1,192	1,581	1,474	1,125	328	0	0	6,699
2025	0	0	0	248	779	1,227	1,627	1,517	1,159	338	0	0	6,896
2026	0	0	0	256	802	1,264	1,675	1,562	1,193	348	0	0	7,099
2027	0	0	0	263	826	1,301	1,725	1,608	1,228	358	0	0	7,308
2028	0	0	0	271	850	1,339	1,775	1,655	1,264	369	0	0	7,522
2029	0	0	0	279	875	1,378	1,827	1,704	1,301	379	0	0	7,744
2030	0	0	0	287	901	1,419	1,881	1,754	1,339	391	0	0	7,971
2031	0	0	0	296	931	1,466	1,943	1,812	1,383	404	0	0	8,235
2032	0	0	0	306	961	1,514	2,008	1,872	1,429	417	0	0	8,507
2033	0	0	0	316	993	1,564	2,074	1,934	1,477	431	0	0	8,789
2034	0	0	0	327	1,026	1,616	2,143	1,997	1,525	445	0	0	9,079
2035	0	0	0	338	1,060	1,670	2,214	2,064	1,576	460	0	0	9,380
2036	0	0	0	349	1,095	1,725	2,287	2,132	1,628	475	0	0	9,690
2037	0	0	0	360	1,131	1,782	2,362	2,202	1,682	490	0	0	10,010
2038	0	0	0	372	1,169	1,841	2,440	2,275	1,737	507	0	0	10,341
2039	0	0	0	385	1,207	1,902	2,521	2,350	1,795	523	0	0	10,683
2040	0	0	0	397	1,247	1,964	2,604	2,428	1,854	541	0	0	11,036
2041	0	0	0	405	1,270	2,000	2,652	2,472	1,888	551	0	0	11,238
2042	0	0	0	412	1,293	2,037	2,701	2,517	1,922	561	0	0	11,443
2043	0	0	0	419	1,317	2,074	2,750	2,564	1,958	571	0	0	11,652
2044	0	0	0	427	1,341	2,112	2,800	2,610	1,993	581	0	0	11,865
2045	0	0	0	435	1,365	2,151	2,851	2,658	2,030	592	0	0	12,082
2046	0	0	0	443	1,390	2,190	2,903	2,707	2,067	603	0	0	12,303
2047	0	0	0	451	1,416	2,230	2,956	2,756	2,105	614	0	0	12,527
2048	0	0	0	459	1,441	2,271	3,010	2,806	2,143	625	0	0	12,756
2049	0	0	0	468	1,468	2,312	3,065	2,858	2,182	636	0	0	12,989
2050	0	0	0	476	1,495	2,354	3,121	2,910	2,222	648	0	0	13,226
2051	0	0	0	485	1,524	2,400	3,182	2,967	2,265	661	0	0	13,485
2052	0	0	0	495	1,554	2,447	3,245	3,025	2,310	674	0	0	13,748
2053	0	0	0	505	1,584	2,495	3,308	3,084	2,355	687	0	0	14,017
2054	0	0	0	514	1,615	2,544	3,373	3,144	2,401	700	0	0	14,291
2055	0	0	0	525	1,646	2,593	3,438	3,205	2,448	714	0	0	14,570
2056	0	0	0	535	1,679	2,644	3,506	3,268	2,495	728	0	0	14,854
2057	0	0	0	545	1,711	2,696	3,574	3,332	2,544	742	0	0	15,144
2058	0	0	0	556	1,745	2,748	3,644	3,397	2,594	757	0	0	15,440
2059	0	0	0	567	1,779	2,802	3,715	3,463	2,644	771	0	0	15,741
2060	0	0	0	578	1,813	2,857	3,787	3,531	2,696	786	0	0	16,048
2061	0	0	0	586	1,839	2,897	3,841	3,581	2,734	798	0	0	16,276
2062	0	0	0	594	1,865	2,938	3,896	3,632	2,773	809	0	0	16,507
2063	0	0	0	603	1,892	2,980	3,951	3,683	2,813	820	0	0	16,742
2064	0	0	0	611	1,919	3,022	4,007	3,735	2,853	832	0	0	16,979
1905	0	0	0	620	1,946	3,065	4,064	3,788	2,893	844	0	0	17,220

Spanish Fork Table 15

Spanish Fork													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	394	356	406	560	1,045	1,438	1,771	1,668	1,329	649	367	374	10,356
2018	410	370	422	584	1,090	1,500	1,849	1,741	1,387	676	382	389	10,800
2019	426	385	439	608	1,137	1,566	1,930	1,817	1,447	705	397	405	11,263
2020	444	401	457	634	1,186	1,634	2,015	1,897	1,511	735	413	421	11,747
2021	455	411	469	651	1,219	1,680	2,072	1,951	1,553	754	424	432	12,071
2022	466	421	481	669	1,253	1,727	2,130	2,006	1,597	775	435	443	12,403
2023	478	432	493	687	1,288	1,776	2,191	2,063	1,642	796	446	455	12,745
2024	491	443	506	705	1,323	1,826	2,253	2,121	1,688	818	457	466	13,097
2025	503	455	519	724	1,360	1,877	2,317	2,181	1,735	840	469	478	13,458
2026	516	466	532	744	1,398	1,930	2,382	2,243	1,784	863	481	491	13,830
2027	530	478	546	764	1,437	1,984	2,450	2,306	1,835	886	494	503	14,212
2028	543	491	560	785	1,477	2,040	2,519	2,371	1,887	910	506	516	14,606
2029	557	503	574	806	1,518	2,098	2,590	2,439	1,940	935	519	530	15,010
2030	572	516	589	828	1,561	2,157	2,664	2,508	1,995	961	533	543	15,426
2031	589	532	607	853	1,610	2,225	2,749	2,588	2,058	990	549	559	15,909
2032	606	547	625	879	1,661	2,296	2,837	2,671	2,124	1,021	565	576	16,408
2033	624	563	643	906	1,713	2,369	2,928	2,756	2,192	1,053	581	593	16,922
2034	642	580	662	934	1,767	2,445	3,022	2,845	2,262	1,085	599	610	17,454
2035	661	597	682	963	1,823	2,523	3,119	2,936	2,334	1,119	616	628	18,002
2036	681	615	702	993	1,881	2,604	3,219	3,030	2,408	1,154	635	647	18,568
2037	701	633	723	1,023	1,941	2,687	3,322	3,127	2,485	1,190	653	666	19,152
2038	722	652	744	1,055	2,002	2,772	3,429	3,227	2,565	1,227	673	686	19,754
2039	744	671	766	1,088	2,065	2,861	3,539	3,331	2,647	1,265	693	707	20,376
2040	766	691	789	1,121	2,131	2,952	3,653	3,438	2,732	1,304	713	728	21,018
2041	778	702	801	1,140	2,168	3,004	3,717	3,498	2,779	1,326	725	739	21,376
2042	790	713	814	1,159	2,205	3,056	3,782	3,559	2,828	1,348	736	751	21,741
2043	802	725	827	1,178	2,243	3,109	3,848	3,622	2,877	1,371	748	762	22,111
2044	815	736	840	1,198	2,281	3,163	3,916	3,685	2,927	1,394	759	774	22,488
2045	828	747	853	1,218	2,321	3,219	3,984	3,750	2,978	1,417	771	786	22,872
2046	841	759	866	1,238	2,361	3,275	4,054	3,815	3,030	1,441	783	799	23,262
2047	854	771	880	1,258	2,401	3,332	4,125	3,882	3,083	1,465	796	811	23,659
2048	867	783	894	1,279	2,443	3,390	4,198	3,950	3,137	1,490	808	824	24,063
2049	881	796	908	1,301	2,485	3,449	4,271	4,019	3,192	1,515	821	837	24,473
2050	895	808	922	1,322	2,527	3,509	4,346	4,090	3,248	1,540	834	850	24,891
2051	910	822	938	1,346	2,574	3,574	4,428	4,167	3,308	1,568	848	865	25,348
2052	925	836	954	1,370	2,622	3,641	4,511	4,245	3,370	1,596	862	879	25,813
2053	941	850	970	1,395	2,670	3,710	4,596	4,325	3,434	1,625	877	894	26,287
2054	957	864	986	1,420	2,720	3,779	4,683	4,406	3,498	1,655	892	910	26,770
2055	974	879	1,003	1,445	2,770	3,850	4,771	4,489	3,564	1,685	907	925	27,262
2056	990	894	1,020	1,471	2,821	3,922	4,861	4,574	3,630	1,715	923	941	27,762
2057	1,007	909	1,038	1,497	2,874	3,995	4,953	4,660	3,698	1,746	938	957	28,273
2058	1,024	925	1,055	1,524	2,927	4,070	5,046	4,747	3,768	1,778	954	973	28,792
2059	1,042	941	1,073	1,552	2,981	4,146	5,141	4,837	3,838	1,810	971	990	29,321
2060	1,059	957	1,092	1,580	3,036	4,224	5,238	4,928	3,910	1,843	987	1,007	29,860
2061	1,072	968	1,105	1,600	3,077	4,281	5,309	4,995	3,963	1,867	999	1,019	30,253
2062	1,085	980	1,118	1,620	3,118	4,338	5,381	5,062	4,017	1,891	1,011	1,031	30,651
2063	1,098	991	1,131	1,641	3,159	4,397	5,454	5,131	4,071	1,915	1,023	1,043	31,055
2064	1,111	1,003	1,145	1,662	3,201	4,456	5,528	5,201	4,126	1,940	1,035	1,056	31,463
1905	1,124	1,015	1,159	1,683	3,244	4,516	5,603	5,271	4,182	1,965	1,048	1,068	31,877

Spanish Fork Table 16

Spanish Fork													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	394	356	406	373	455	508	539	520	452	393	367	374	5,136
2018	409	369	421	386	472	527	559	539	468	407	381	388	5,327
2019	424	383	437	401	489	547	580	559	486	423	395	403	5,525
2020	440	397	453	416	507	567	602	580	504	438	410	418	5,731
2021	449	405	463	424	518	579	615	592	515	448	418	427	5,853
2022	458	414	472	434	529	592	628	605	526	457	427	436	5,977
2023	468	423	483	443	541	604	641	618	537	467	436	445	6,105
2024	478	432	493	452	552	617	655	631	548	477	446	455	6,235
2025	489	441	503	462	564	630	669	644	560	487	455	464	6,369
2026	499	451	514	472	576	644	683	658	572	498	465	474	6,506
2027	510	460	525	482	588	658	698	672	584	508	475	484	6,646
2028	521	470	537	492	601	672	713	687	597	519	485	495	6,790
2029	532	481	548	503	614	687	728	702	610	531	496	506	6,937
2030	544	491	560	514	627	701	744	717	623	542	507	517	7,087
2031	558	504	575	528	644	720	764	736	640	557	520	530	7,277
2032	573	518	591	542	662	740	785	756	657	572	534	545	7,473
2033	589	532	607	557	679	760	806	776	675	587	548	559	7,674
2034	604	546	623	572	698	780	827	797	693	603	563	574	7,881
2035	621	561	640	587	717	801	850	819	712	619	578	590	8,093
2036	638	576	657	603	736	823	873	841	731	636	594	606	8,312
2037	655	591	675	619	756	845	896	864	751	653	610	622	8,537
2038	673	607	693	636	776	868	921	887	771	671	627	639	8,769
2039	691	624	712	653	797	891	946	911	792	689	644	657	9,007
2040	710	641	731	671	819	916	971	936	813	708	661	674	9,252
2041	720	650	742	681	831	929	986	949	825	718	671	684	9,386
2042	730	660	753	691	843	943	1,000	963	837	728	681	694	9,522
2043	741	669	764	701	855	956	1,014	977	849	739	690	704	9,661
2044	752	679	775	711	868	970	1,029	991	862	750	701	714	9,801
2045	763	689	786	721	880	984	1,044	1,006	874	761	711	725	9,944
2046	774	699	797	732	893	999	1,059	1,021	887	772	721	735	10,089
2047	785	709	809	742	906	1,013	1,075	1,035	900	783	732	746	10,235
2048	797	719	821	753	919	1,028	1,090	1,050	913	794	742	757	10,385
2049	808	730	833	764	933	1,043	1,106	1,066	926	806	753	768	10,536
2050	820	740	845	775	946	1,058	1,122	1,081	940	818	764	779	10,690
2051	833	752	858	788	961	1,075	1,140	1,098	955	831	776	792	10,859
2052	846	764	872	800	977	1,092	1,158	1,116	970	844	788	804	11,031
2053	860	776	886	813	992	1,109	1,177	1,134	985	857	801	817	11,206
2054	873	789	900	826	1,008	1,127	1,195	1,152	1,001	871	814	830	11,384
2055	887	801	914	839	1,024	1,145	1,214	1,170	1,017	884	827	843	11,564
2056	901	814	929	852	1,040	1,163	1,234	1,188	1,033	899	840	856	11,748
2057	915	827	943	866	1,057	1,181	1,253	1,207	1,049	913	853	870	11,935
2058	930	840	958	879	1,073	1,200	1,273	1,226	1,066	927	867	884	12,124
2059	945	853	974	893	1,091	1,219	1,293	1,246	1,083	942	880	898	12,317
2060	960	867	989	908	1,108	1,239	1,314	1,266	1,100	957	894	912	12,513
2061	970	876	1,000	917	1,120	1,252	1,328	1,279	1,112	967	904	922	12,645
2062	980	885	1,010	927	1,131	1,265	1,342	1,293	1,124	977	913	931	12,779
2063	991	895	1,021	937	1,143	1,278	1,356	1,306	1,135	988	923	941	12,914
2064	1,001	904	1,032	947	1,155	1,292	1,370	1,320	1,147	998	933	951	13,050
2065	1,012	914	1,042	957	1,168	1,305	1,385	1,334	1,160	1,009	943	961	13,188

Spanish Fork Table 17

Spanish Fork													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	188	590	929	1,232	1,148	877	256	0	0	5,220
2018	0	0	0	194	610	960	1,273	1,187	906	264	0	0	5,395
2019	0	0	0	201	630	992	1,316	1,226	937	273	0	0	5,575
2020	0	0	0	207	651	1,025	1,360	1,267	968	282	0	0	5,761
2021	0	0	0	210	659	1,038	1,376	1,283	980	286	0	0	5,833
2022	0	0	0	213	667	1,051	1,393	1,299	992	289	0	0	5,905
2023	0	0	0	215	675	1,064	1,411	1,315	1,004	293	0	0	5,977
2024	0	0	0	218	684	1,077	1,428	1,331	1,016	296	0	0	6,050
2025	0	0	0	220	692	1,090	1,445	1,347	1,029	300	0	0	6,124
2026	0	0	0	223	700	1,103	1,463	1,364	1,041	304	0	0	6,198
2027	0	0	0	226	709	1,117	1,480	1,380	1,054	307	0	0	6,273
2028	0	0	0	229	717	1,130	1,498	1,397	1,067	311	0	0	6,349
2029	0	0	0	231	726	1,144	1,516	1,413	1,079	315	0	0	6,424
2030	0	0	0	234	735	1,157	1,534	1,430	1,092	319	0	0	6,501
2031	0	0	0	239	751	1,183	1,569	1,462	1,117	326	0	0	6,647
2032	0	0	0	245	768	1,210	1,604	1,495	1,142	333	0	0	6,796
2033	0	0	0	250	785	1,237	1,640	1,529	1,167	340	0	0	6,949
2034	0	0	0	256	803	1,265	1,677	1,563	1,194	348	0	0	7,105
2035	0	0	0	261	821	1,293	1,714	1,598	1,220	356	0	0	7,264
2036	0	0	0	267	839	1,322	1,753	1,634	1,248	364	0	0	7,427
2037	0	0	0	273	858	1,352	1,792	1,670	1,276	372	0	0	7,593
2038	0	0	0	279	877	1,382	1,832	1,708	1,304	380	0	0	7,763
2039	0	0	0	286	897	1,413	1,873	1,746	1,333	389	0	0	7,936
2040	0	0	0	292	917	1,444	1,915	1,785	1,363	398	0	0	8,113
2041	0	0	0	296	930	1,464	1,942	1,810	1,382	403	0	0	8,227
2042	0	0	0	300	943	1,485	1,969	1,835	1,402	409	0	0	8,342
2043	0	0	0	305	956	1,506	1,996	1,861	1,421	415	0	0	8,459
2044	0	0	0	309	969	1,527	2,024	1,887	1,441	420	0	0	8,578
2045	0	0	0	313	983	1,548	2,053	1,914	1,461	426	0	0	8,698
2046	0	0	0	318	997	1,570	2,082	1,940	1,482	432	0	0	8,820
2047	0	0	0	322	1,011	1,592	2,111	1,968	1,503	438	0	0	8,944
2048	0	0	0	326	1,025	1,614	2,140	1,995	1,524	444	0	0	9,069
2049	0	0	0	331	1,039	1,637	2,170	2,023	1,545	451	0	0	9,196
2050	0	0	0	336	1,054	1,660	2,201	2,052	1,567	457	0	0	9,325
2051	0	0	0	341	1,070	1,685	2,234	2,083	1,591	464	0	0	9,468
2052	0	0	0	346	1,086	1,711	2,268	2,115	1,615	471	0	0	9,612
2053	0	0	0	351	1,103	1,737	2,303	2,147	1,639	478	0	0	9,759
2054	0	0	0	357	1,120	1,764	2,338	2,180	1,665	485	0	0	9,908
2055	0	0	0	362	1,137	1,791	2,374	2,213	1,690	493	0	0	10,059
2056	0	0	0	368	1,154	1,818	2,410	2,247	1,716	500	0	0	10,213
2057	0	0	0	373	1,172	1,846	2,447	2,281	1,742	508	0	0	10,369
2058	0	0	0	379	1,190	1,874	2,484	2,316	1,769	516	0	0	10,527
2059	0	0	0	385	1,208	1,902	2,522	2,351	1,796	524	0	0	10,688
2060	0	0	0	391	1,226	1,931	2,561	2,387	1,823	532	0	0	10,851
2061	0	0	0	394	1,237	1,949	2,584	2,408	1,839	536	0	0	10,948
2062	0	0	0	398	1,248	1,966	2,607	2,430	1,856	541	0	0	11,045
2063	0	0	0	401	1,259	1,984	2,630	2,452	1,872	546	0	0	11,144
2064	0	0	0	405	1,270	2,001	2,653	2,473	1,889	551	0	0	11,243
1905	0	0	0	408	1,282	2,019	2,677	2,496	1,906	556	0	0	11,343

Spanish Fork Table 18

Spanish Fork													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	394	356	406	560	1,045	1,438	1,771	1,668	1,329	649	367	374	10,356
2018	409	369	421	581	1,081	1,487	1,832	1,726	1,375	672	381	388	10,721
2019	424	383	437	601	1,119	1,539	1,896	1,785	1,422	696	395	403	11,100
2020	440	397	453	623	1,158	1,593	1,961	1,847	1,472	721	410	418	11,492
2021	449	405	463	634	1,177	1,618	1,991	1,875	1,494	733	418	427	11,685
2022	458	414	472	646	1,196	1,643	2,021	1,904	1,517	746	427	436	11,882
2023	468	423	483	658	1,216	1,668	2,052	1,933	1,541	760	436	445	12,082
2024	478	432	493	670	1,236	1,694	2,083	1,962	1,565	773	446	455	12,286
2025	489	441	503	682	1,256	1,721	2,114	1,992	1,589	787	455	464	12,493
2026	499	451	514	695	1,276	1,747	2,146	2,022	1,613	801	465	474	12,704
2027	510	460	525	708	1,297	1,774	2,178	2,052	1,638	816	475	484	12,919
2028	521	470	537	721	1,319	1,802	2,211	2,084	1,664	830	485	495	13,138
2029	532	481	548	734	1,340	1,830	2,245	2,115	1,689	845	496	506	13,361
2030	544	491	560	748	1,362	1,859	2,278	2,147	1,715	861	507	517	13,588
2031	558	504	575	767	1,395	1,903	2,333	2,198	1,756	882	520	530	13,924
2032	573	518	591	787	1,430	1,949	2,389	2,251	1,799	905	534	545	14,269
2033	589	532	607	807	1,465	1,996	2,446	2,305	1,842	927	548	559	14,622
2034	604	546	623	827	1,501	2,045	2,504	2,360	1,886	951	563	574	14,985
2035	621	561	640	848	1,537	2,094	2,564	2,417	1,932	975	578	590	15,357
2036	638	576	657	870	1,575	2,145	2,625	2,475	1,978	1,000	594	606	15,739
2037	655	591	675	893	1,614	2,197	2,688	2,534	2,026	1,025	610	622	16,130
2038	673	607	693	915	1,654	2,250	2,753	2,595	2,075	1,051	627	639	16,531
2039	691	624	712	939	1,694	2,304	2,819	2,657	2,125	1,078	644	657	16,943
2040	710	641	731	963	1,736	2,360	2,886	2,721	2,176	1,105	661	674	17,365
2041	720	650	742	977	1,761	2,393	2,927	2,759	2,207	1,121	671	684	17,613
2042	730	660	753	991	1,786	2,427	2,969	2,799	2,239	1,137	681	694	17,865
2043	741	669	764	1,005	1,811	2,462	3,011	2,838	2,271	1,153	690	704	18,120
2044	752	679	775	1,020	1,837	2,497	3,054	2,879	2,303	1,170	701	714	18,379
2045	763	689	786	1,034	1,863	2,533	3,097	2,919	2,336	1,187	711	725	18,642
2046	774	699	797	1,049	1,890	2,569	3,141	2,961	2,369	1,204	721	735	18,909
2047	785	709	809	1,064	1,917	2,605	3,186	3,003	2,402	1,221	732	746	19,179
2048	797	719	821	1,080	1,944	2,642	3,231	3,046	2,437	1,239	742	757	19,454
2049	808	730	833	1,095	1,972	2,680	3,277	3,089	2,471	1,256	753	768	19,732
2050	820	740	845	1,111	2,000	2,718	3,323	3,133	2,506	1,275	764	779	20,015
2051	833	752	858	1,128	2,031	2,760	3,375	3,181	2,545	1,294	776	792	20,327
2052	846	764	872	1,146	2,063	2,803	3,427	3,231	2,585	1,315	788	804	20,643
2053	860	776	886	1,164	2,095	2,846	3,480	3,281	2,625	1,335	801	817	20,965
2054	873	789	900	1,182	2,127	2,890	3,534	3,331	2,665	1,356	814	830	21,292
2055	887	801	914	1,201	2,161	2,935	3,588	3,383	2,707	1,377	827	843	21,624
2056	901	814	929	1,220	2,194	2,981	3,644	3,435	2,749	1,399	840	856	21,961
2057	915	827	943	1,239	2,228	3,027	3,700	3,488	2,791	1,421	853	870	22,303
2058	930	840	958	1,258	2,263	3,074	3,757	3,542	2,834	1,443	867	884	22,651
2059	945	853	974	1,278	2,298	3,122	3,816	3,597	2,878	1,466	880	898	23,005
2060	960	867	989	1,298	2,334	3,170	3,875	3,653	2,923	1,489	894	912	23,364
2061	970	876	1,000	1,311	2,357	3,200	3,911	3,688	2,951	1,504	904	922	23,593
2062	980	885	1,010	1,324	2,380	3,231	3,949	3,723	2,979	1,519	913	931	23,824
2063	991	895	1,021	1,338	2,403	3,262	3,986	3,758	3,008	1,534	923	941	24,057
2064	1,001	904	1,032	1,351	2,426	3,293	4,024	3,794	3,036	1,549	933	951	24,293
1905	1,012	914	1,042	1,365	2,449	3,324	4,062	3,830	3,065	1,565	943	961	24,532

Spanish Fork Table 19

Spanish Fork													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	936	845	939	903	953	942	977	971	925	936	902	930	11,159
2017	510	460	500	500	461	391	393	409	437	511	504	525	5,602
2018	508	458	498	498	459	389	390	406	435	508	503	523	5,575
2019	505	456	496	496	456	386	388	404	432	506	501	521	5,547
2020	503	454	493	494	453	383	384	401	429	504	498	519	5,517
2021	502	453	492	493	452	381	382	399	428	503	497	518	5,498
2022	500	452	490	491	450	379	380	397	426	501	496	516	5,478
2023	498	450	489	490	448	377	378	394	424	499	494	515	5,457
2024	497	449	487	488	446	375	376	392	422	498	493	513	5,436
2025	495	447	485	487	444	373	374	390	420	496	491	512	5,415
2026	494	446	483	485	442	371	371	388	418	494	489	510	5,392
2027	492	444	482	483	440	368	369	386	416	493	488	508	5,369
2028	490	443	480	482	438	366	366	383	414	491	486	507	5,346
2029	488	441	478	480	436	364	364	381	412	489	484	505	5,322
2030	486	439	476	478	434	361	361	378	410	487	483	503	5,297
2031	484	437	474	476	431	358	358	375	408	485	481	501	5,268
2032	482	435	471	474	429	355	355	372	405	483	478	499	5,239
2033	479	433	469	472	426	352	352	369	402	480	476	497	5,208
2034	477	431	466	469	423	349	349	366	399	478	474	494	5,176
2035	474	429	464	467	420	346	345	363	397	475	472	492	5,144
2036	472	426	461	464	417	343	342	359	394	473	469	489	5,110
2037	469	424	458	462	414	339	338	356	391	470	467	487	5,075
2038	466	421	455	459	411	336	334	352	387	467	464	484	5,040
2039	464	419	453	457	408	332	330	348	384	465	462	482	5,003
2040	461	416	450	454	405	328	326	345	381	462	459	479	4,965
2041	459	415	448	452	403	326	324	343	379	460	457	477	4,944
2042	458	413	446	451	401	324	322	340	377	459	456	476	4,923
2043	456	412	445	449	399	322	320	338	375	457	454	474	4,902
2044	454	410	443	448	397	320	318	336	373	455	453	473	4,880
2045	453	409	441	446	395	318	315	334	372	454	451	471	4,858
2046	451	407	439	445	393	316	313	332	370	452	450	469	4,836
2047	449	406	438	443	391	313	311	329	368	450	448	468	4,813
2048	447	404	436	441	389	311	308	327	366	448	446	466	4,790
2049	446	402	434	440	387	309	306	325	363	447	445	464	4,767
2050	444	401	432	438	385	306	303	322	361	445	443	463	4,743
2051	442	399	430	436	383	304	300	320	359	443	441	461	4,717
2052	440	397	428	434	380	301	298	317	357	441	439	459	4,691
2053	438	395	426	432	378	299	295	314	354	439	437	457	4,664
2054	436	393	424	430	375	296	292	311	352	437	435	455	4,636
2055	420	379	407	415	357	275	270	290	334	421	421	440	4,428
2056	400	362	387	397	335	250	244	265	311	401	403	421	4,176
2057	380	344	367	378	312	225	217	239	289	382	384	403	3,919
2058	360	326	346	359	289	199	189	212	266	362	365	384	3,657
2059	340	307	325	340	265	173	161	186	243	341	346	364	3,391
2060	319	288	304	320	241	146	133	158	219	321	327	344	3,121
2061	305	275	289	306	224	127	113	139	202	306	313	330	2,928
2062	290	262	273	292	207	108	92	119	185	291	299	316	2,734
2063	274	248	258	278	190	88	71	99	167	276	285	302	2,537
2064	259	234	242	263	172	68	50	79	150	261	271	287	2,337
2065	244	220	226	249	154	48	29	58	132	245	257	273	2,135

Spanish Fork Table 20

Spanish Fork													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	25	106	512	1,051	728	1,043	174	31	0	0	3,671
2017	0	0	25	-82	-77	122	-504	-106	-703	-224	0	0	-1,549
2018	0	0	34	-54	-58	150	-506	-100	-723	-231	0	0	-1,489
2019	0	0	43	-24	-39	180	-509	-95	-744	-238	0	0	-1,426
2020	0	0	53	7	-18	211	-512	-89	-767	-246	0	0	-1,361
2021	0	0	59	27	-5	231	-516	-87	-782	-251	0	0	-1,324
2022	0	0	65	48	8	251	-519	-84	-798	-256	0	0	-1,285
2023	0	0	72	69	22	272	-522	-82	-815	-262	0	0	-1,246
2024	0	0	78	91	36	293	-526	-79	-832	-267	0	0	-1,207
2025	0	0	85	395	934	1,706	1,316	1,643	464	110	0	0	6,654
2026	0	0	92	418	949	1,729	1,311	1,646	446	104	0	0	6,695
2027	0	0	100	441	964	1,751	1,307	1,648	428	98	0	0	6,737
2028	0	0	107	465	979	1,774	1,303	1,651	408	92	0	0	6,780
2029	0	0	115	490	995	1,798	1,298	1,653	388	85	0	0	6,823
2030	0	0	123	516	1,011	1,822	1,293	1,655	368	78	0	0	6,867
2031	0	0	132	546	1,030	1,851	1,288	1,659	344	70	0	0	6,920
2032	0	0	141	576	1,050	1,881	1,282	1,662	320	62	0	0	6,974
2033	0	0	151	608	1,070	1,911	1,276	1,665	295	54	0	0	7,030
2034	0	0	161	641	1,091	1,942	1,270	1,668	269	45	0	0	7,086
2035	0	0	172	674	1,112	1,974	1,263	1,671	242	36	0	0	7,144
2036	0	0	183	709	1,134	2,007	1,256	1,674	214	27	0	0	7,203
2037	0	0	194	745	1,156	2,041	1,249	1,677	185	18	0	0	7,263
2038	0	0	205	782	1,179	2,075	1,241	1,680	155	8	0	0	7,325
2039	0	0	217	820	1,203	2,111	1,233	1,683	124	-2	0	0	7,388
2040	0	0	229	859	1,227	2,148	1,224	1,685	92	-13	0	0	7,452
2041	0	0	233	867	1,224	2,142	1,200	1,666	66	-21	0	0	7,379
2042	0	0	233	860	1,201	2,106	1,151	1,621	32	-31	0	0	7,173
2043	0	0	233	853	1,177	2,069	1,102	1,575	-3	-41	0	0	6,964
2044	0	0	233	845	1,153	2,031	1,052	1,528	-39	-51	0	0	6,751
2045	0	0	233	837	1,129	1,992	1,001	1,480	-75	-62	0	0	6,534
2046	0	0	233	829	1,104	1,953	948	1,431	-113	-73	0	0	6,313
2047	0	0	233	821	1,079	1,913	895	1,382	-150	-84	0	0	6,089
2048	0	0	233	813	1,053	1,872	841	1,332	-189	-95	0	0	5,860
2049	0	0	233	804	1,026	1,831	787	1,281	-228	-107	0	0	5,627
2050	0	0	233	796	1,000	1,789	731	1,228	-268	-118	0	0	5,390
2051	0	0	233	787	970	1,742	670	1,171	-311	-131	0	0	5,132
2052	0	0	233	777	941	1,696	607	1,114	-355	-144	0	0	4,868
2053	0	0	233	767	910	1,648	544	1,054	-401	-157	0	0	4,599
2054	0	0	233	758	879	1,599	479	994	-447	-170	0	0	4,326
2055	0	0	233	748	848	1,549	413	933	-493	-184	0	0	4,047
2056	0	0	233	737	816	1,499	346	870	-541	-198	0	0	3,762
2057	0	0	233	727	783	1,447	278	806	-590	-212	0	0	3,472
2058	0	0	233	716	749	1,395	208	741	-640	-227	0	0	3,177
2059	0	0	233	705	715	1,341	137	675	-690	-241	0	0	2,875
2060	0	0	233	694	681	1,286	65	608	-742	-256	0	0	2,568
2061	0	0	233	686	655	1,246	11	557	-780	-268	0	0	2,340
2062	0	0	233	678	629	1,204	-44	507	-819	-279	0	0	2,109
2063	0	0	233	669	602	1,163	-99	455	-858	-290	0	0	1,875
2064	0	0	233	661	576	1,120	-155	403	-898	-302	0	0	1,637
2065	0	0	233	652	548	1,078	-212	350	-939	-314	0	0	1,396

Spanish Fork Table 21

Spanish Fork													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	936	845	965	1,009	1,465	1,992	1,705	2,014	1,100	967	902	930	14,830
2017	510	460	525	418	383	513	-110	304	-266	286	504	525	4,053
2018	508	458	532	444	400	539	-116	306	-288	277	503	523	4,086
2019	505	456	539	472	417	566	-122	309	-312	268	501	521	4,121
2020	503	454	546	501	436	595	-128	311	-337	258	498	519	4,156
2021	502	453	550	519	447	612	-133	312	-355	252	497	518	4,174
2022	500	452	555	539	458	630	-139	312	-372	245	496	516	4,192
2023	498	450	560	558	470	649	-144	313	-391	238	494	515	4,211
2024	497	449	565	579	482	668	-150	313	-410	231	493	513	4,230
2025	495	447	570	881	1,378	2,079	1,689	2,034	885	606	491	512	12,068
2026	494	446	576	902	1,391	2,099	1,683	2,034	865	599	489	510	12,087
2027	492	444	581	924	1,404	2,120	1,676	2,034	844	591	488	508	12,106
2028	490	443	587	947	1,418	2,140	1,669	2,034	823	582	486	507	12,126
2029	488	441	593	970	1,431	2,162	1,662	2,034	801	574	484	505	12,145
2030	486	439	599	994	1,445	2,184	1,654	2,034	778	565	483	503	12,164
2031	484	437	606	1,022	1,462	2,210	1,646	2,034	752	555	481	501	12,188
2032	482	435	613	1,050	1,479	2,236	1,637	2,034	725	545	478	499	12,213
2033	479	433	620	1,080	1,496	2,263	1,628	2,034	697	534	476	497	12,238
2034	477	431	628	1,110	1,514	2,291	1,618	2,034	668	523	474	494	12,263
2035	474	429	636	1,141	1,532	2,320	1,608	2,034	638	512	472	492	12,288
2036	472	426	644	1,174	1,551	2,350	1,598	2,033	607	500	469	489	12,313
2037	469	424	652	1,207	1,570	2,380	1,587	2,033	575	488	467	487	12,339
2038	466	421	661	1,241	1,590	2,411	1,575	2,032	542	475	464	484	12,364
2039	464	419	669	1,276	1,611	2,443	1,563	2,031	508	462	462	482	12,390
2040	461	416	679	1,313	1,632	2,476	1,551	2,030	473	449	459	479	12,416
2041	459	415	681	1,320	1,627	2,469	1,524	2,008	445	439	457	477	12,323
2042	458	413	679	1,311	1,602	2,430	1,473	1,961	409	428	456	476	12,096
2043	456	412	677	1,302	1,576	2,391	1,422	1,913	372	416	454	474	11,866
2044	454	410	676	1,293	1,550	2,351	1,369	1,864	334	404	453	473	11,631
2045	453	409	674	1,283	1,524	2,310	1,316	1,814	296	392	451	471	11,393
2046	451	407	672	1,274	1,497	2,269	1,261	1,763	257	379	450	469	11,150
2047	449	406	670	1,264	1,470	2,226	1,206	1,711	217	366	448	468	10,902
2048	447	404	668	1,254	1,442	2,183	1,150	1,659	177	353	446	466	10,650
2049	446	402	667	1,244	1,413	2,140	1,092	1,605	136	340	445	464	10,394
2050	444	401	665	1,234	1,385	2,095	1,034	1,551	94	327	443	463	10,133
2051	442	399	663	1,223	1,353	2,046	970	1,491	48	312	441	461	9,849
2052	440	397	661	1,211	1,321	1,997	905	1,430	1	297	439	459	9,559
2053	438	395	658	1,200	1,288	1,946	839	1,369	-46	282	437	457	9,263
2054	436	393	656	1,188	1,255	1,895	771	1,306	-95	266	435	455	8,962
2055	420	379	640	1,163	1,205	1,825	684	1,223	-160	237	421	440	8,475
2056	400	362	620	1,134	1,150	1,749	590	1,135	-230	203	403	421	7,938
2057	380	344	600	1,105	1,095	1,672	494	1,045	-301	170	384	403	7,391
2058	360	326	579	1,075	1,038	1,593	397	954	-374	135	365	384	6,834
2059	340	307	558	1,045	981	1,514	298	861	-448	100	346	364	6,267
2060	319	288	537	1,014	922	1,432	197	766	-523	64	327	344	5,689
2061	305	275	521	992	879	1,372	123	696	-578	38	313	330	5,269
2062	290	262	506	970	836	1,312	48	625	-634	12	299	316	4,843
2063	274	248	490	947	792	1,251	-28	554	-691	-14	285	302	4,411
2064	259	234	475	924	747	1,189	-105	482	-748	-41	271	287	3,974
2065	244	220	459	901	702	1,126	-183	408	-807	-69	257	273	3,531

Spanish Fork Table 22

Spanish Fork													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	936	845	939	903	953	942	977	971	925	936	902	930	11,159
2017	542	489	533	531	498	433	438	452	474	543	535	556	6,023
2018	542	490	534	531	499	434	438	452	475	543	535	556	6,030
2019	543	491	534	532	500	435	439	453	475	544	536	557	6,038
2020	544	491	535	532	500	435	440	454	476	544	536	558	6,046
2021	544	491	535	533	501	436	440	455	476	545	537	558	6,051
2022	544	492	536	533	501	436	441	455	477	545	537	558	6,056
2023	545	492	536	533	502	437	442	456	477	546	537	559	6,062
2024	545	493	537	534	502	438	442	456	478	546	538	559	6,067
2025	546	493	537	534	503	438	443	457	478	547	538	560	6,073
2026	546	493	538	535	503	439	443	457	479	547	539	560	6,079
2027	547	494	538	535	504	439	444	458	479	547	539	560	6,085
2028	547	494	539	536	504	440	445	459	480	548	539	561	6,091
2029	548	495	539	536	505	441	445	459	480	548	540	561	6,098
2030	548	495	540	537	505	441	446	460	481	549	540	562	6,104
2031	549	496	540	537	506	442	447	461	482	550	541	562	6,112
2032	549	496	541	538	507	443	448	462	482	550	541	563	6,120
2033	550	497	542	538	508	444	449	462	483	551	542	564	6,128
2034	551	497	542	539	508	444	449	463	484	551	543	564	6,137
2035	551	498	543	540	509	445	450	464	485	552	543	565	6,145
2036	552	499	544	540	510	446	451	465	485	553	544	566	6,154
2037	553	499	544	541	511	447	452	466	486	553	545	566	6,164
2038	553	500	545	542	512	448	453	467	487	554	545	567	6,173
2039	554	501	546	542	512	449	454	468	488	555	546	568	6,183
2040	555	501	547	543	513	450	455	469	489	556	547	568	6,193
2041	555	502	547	543	514	451	456	469	489	556	547	569	6,199
2042	556	502	548	544	514	451	457	470	490	557	548	569	6,204
2043	556	502	548	544	515	452	457	471	490	557	548	570	6,210
2044	557	503	548	545	515	452	458	471	491	557	548	570	6,216
2045	557	503	549	545	516	453	458	472	491	558	549	570	6,222
2046	558	504	549	546	516	453	459	472	492	558	549	571	6,228
2047	558	504	550	546	517	454	460	473	492	559	550	571	6,234
2048	559	504	550	546	517	455	460	474	493	559	550	572	6,240
2049	559	505	551	547	518	455	461	474	494	560	550	572	6,246
2050	559	505	551	547	519	456	462	475	494	560	551	573	6,252
2051	560	506	552	548	519	457	462	476	495	561	551	573	6,259
2052	561	506	552	548	520	457	463	476	495	561	552	574	6,266
2053	561	507	553	549	520	458	464	477	496	562	552	574	6,274
2054	562	507	554	549	521	459	465	478	497	562	553	575	6,281
2055	548	495	540	537	506	442	446	460	481	549	541	562	6,108
2056	532	480	523	521	487	420	424	438	462	533	525	546	5,892
2057	515	465	505	505	467	398	401	416	443	516	509	530	5,672
2058	498	450	488	489	447	376	377	394	423	499	493	514	5,448
2059	480	434	470	472	427	354	353	370	403	481	477	497	5,220
2060	462	418	451	456	407	331	329	347	383	464	461	480	4,988
2061	450	406	438	444	392	314	312	330	368	451	449	468	4,823
2062	437	395	425	432	377	298	294	313	354	438	437	456	4,656
2063	424	383	412	419	362	281	276	296	339	425	425	444	4,487
2064	411	371	398	407	347	264	258	279	324	412	413	432	4,316
2065	398	359	385	394	332	247	240	262	309	399	400	419	4,143

Spanish Fork Table 23

Spanish Fork													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	25	106	512	1,051	728	1,043	174	31	0	0	3,671
2017	0	0	25	-82	-77	122	-504	-106	-703	-224	0	0	-1,549
2018	0	0	34	-54	-58	150	-506	-100	-723	-231	0	0	-1,489
2019	0	0	43	-24	-39	180	-509	-95	-744	-238	0	0	-1,426
2020	0	0	53	7	-18	211	-512	-89	-767	-246	0	0	-1,361
2021	0	0	59	27	-5	231	-516	-87	-782	-251	0	0	-1,324
2022	0	0	65	48	8	251	-519	-84	-798	-256	0	0	-1,285
2023	0	0	72	69	22	272	-522	-82	-815	-262	0	0	-1,246
2024	0	0	78	91	36	293	-526	-79	-832	-267	0	0	-1,207
2025	0	0	85	395	934	1,706	1,316	1,643	464	110	0	0	6,654
2026	0	0	92	418	949	1,729	1,311	1,646	446	104	0	0	6,695
2027	0	0	100	441	964	1,751	1,307	1,648	428	98	0	0	6,737
2028	0	0	107	465	979	1,774	1,303	1,651	408	92	0	0	6,780
2029	0	0	115	490	995	1,798	1,298	1,653	388	85	0	0	6,823
2030	0	0	123	516	1,011	1,822	1,293	1,655	368	78	0	0	6,867
2031	0	0	132	546	1,030	1,851	1,288	1,659	344	70	0	0	6,920
2032	0	0	141	576	1,050	1,881	1,282	1,662	320	62	0	0	6,974
2033	0	0	151	608	1,070	1,911	1,276	1,665	295	54	0	0	7,030
2034	0	0	161	641	1,091	1,942	1,270	1,668	269	45	0	0	7,086
2035	0	0	172	674	1,112	1,974	1,263	1,671	242	36	0	0	7,144
2036	0	0	183	709	1,134	2,007	1,256	1,674	214	27	0	0	7,203
2037	0	0	194	745	1,156	2,041	1,249	1,677	185	18	0	0	7,263
2038	0	0	205	782	1,179	2,075	1,241	1,680	155	8	0	0	7,325
2039	0	0	217	820	1,203	2,111	1,233	1,683	124	-2	0	0	7,388
2040	0	0	229	859	1,227	2,148	1,224	1,685	92	-13	0	0	7,452
2041	0	0	233	867	1,224	2,142	1,200	1,666	66	-21	0	0	7,379
2042	0	0	233	860	1,201	2,106	1,151	1,621	32	-31	0	0	7,173
2043	0	0	233	853	1,177	2,069	1,102	1,575	-3	-41	0	0	6,964
2044	0	0	233	845	1,153	2,031	1,052	1,528	-39	-51	0	0	6,751
2045	0	0	233	837	1,129	1,992	1,001	1,480	-75	-62	0	0	6,534
2046	0	0	233	829	1,104	1,953	948	1,431	-113	-73	0	0	6,313
2047	0	0	233	821	1,079	1,913	895	1,382	-150	-84	0	0	6,089
2048	0	0	233	813	1,053	1,872	841	1,332	-189	-95	0	0	5,860
2049	0	0	233	804	1,026	1,831	787	1,281	-228	-107	0	0	5,627
2050	0	0	233	796	1,000	1,789	731	1,228	-268	-118	0	0	5,390
2051	0	0	233	787	970	1,742	670	1,171	-311	-131	0	0	5,132
2052	0	0	233	777	941	1,696	607	1,114	-355	-144	0	0	4,868
2053	0	0	233	767	910	1,648	544	1,054	-401	-157	0	0	4,599
2054	0	0	233	758	879	1,599	479	994	-447	-170	0	0	4,326
2055	0	0	233	748	848	1,549	413	933	-493	-184	0	0	4,047
2056	0	0	233	737	816	1,499	346	870	-541	-198	0	0	3,762
2057	0	0	233	727	783	1,447	278	806	-590	-212	0	0	3,472
2058	0	0	233	716	749	1,395	208	741	-640	-227	0	0	3,177
2059	0	0	233	705	715	1,341	137	675	-690	-241	0	0	2,875
2060	0	0	233	694	681	1,286	65	608	-742	-256	0	0	2,568
2061	0	0	233	686	655	1,246	11	557	-780	-268	0	0	2,340
2062	0	0	233	678	629	1,204	-44	507	-819	-279	0	0	2,109
2063	0	0	233	669	602	1,163	-99	455	-858	-290	0	0	1,875
2064	0	0	233	661	576	1,120	-155	403	-898	-302	0	0	1,637
2065	0	0	233	652	548	1,078	-212	350	-939	-314	0	0	1,396

Spanish Fork Table 24

Spanish Fork													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	936	845	965	1,009	1,465	1,992	1,705	2,014	1,100	967	902	930	14,830
2017	542	489	559	448	421	555	-66	346	-229	318	535	556	4,474
2018	542	490	568	477	440	584	-68	352	-248	312	535	556	4,542
2019	543	491	577	508	461	615	-70	358	-269	306	536	557	4,612
2020	544	491	588	539	482	647	-72	365	-291	299	536	558	4,684
2021	544	491	594	560	496	667	-75	368	-306	294	537	558	4,727
2022	544	492	601	581	510	688	-78	371	-321	289	537	558	4,771
2023	545	492	608	602	524	709	-81	374	-337	284	537	559	4,815
2024	545	493	615	625	538	730	-84	377	-354	279	538	559	4,861
2025	546	493	622	929	1,437	2,145	1,758	2,100	943	657	538	560	12,727
2026	546	493	630	952	1,452	2,167	1,755	2,103	925	651	539	560	12,774
2027	547	494	638	976	1,468	2,190	1,751	2,106	907	645	539	560	12,822
2028	547	494	646	1,001	1,484	2,214	1,747	2,109	888	639	539	561	12,871
2029	548	495	654	1,026	1,500	2,239	1,743	2,112	869	633	540	561	12,921
2030	548	495	662	1,052	1,517	2,264	1,739	2,115	849	627	540	562	12,971
2031	549	496	672	1,083	1,536	2,293	1,734	2,119	826	620	541	562	13,032
2032	549	496	682	1,114	1,557	2,323	1,730	2,123	802	612	541	563	13,095
2033	550	497	693	1,146	1,577	2,354	1,724	2,127	778	605	542	564	13,158
2034	551	497	704	1,180	1,599	2,386	1,719	2,131	753	597	543	564	13,223
2035	551	498	715	1,214	1,621	2,419	1,713	2,135	726	589	543	565	13,290
2036	552	499	726	1,249	1,644	2,453	1,707	2,139	699	580	544	566	13,358
2037	553	499	738	1,286	1,667	2,488	1,701	2,143	671	571	545	566	13,427
2038	553	500	750	1,323	1,691	2,523	1,694	2,147	642	562	545	567	13,498
2039	554	501	763	1,362	1,715	2,560	1,687	2,150	612	553	546	568	13,571
2040	555	501	776	1,402	1,741	2,598	1,680	2,154	581	543	547	568	13,645
2041	555	502	780	1,411	1,738	2,593	1,656	2,135	556	535	547	569	13,577
2042	556	502	780	1,404	1,715	2,557	1,608	2,091	522	526	548	569	13,377
2043	556	502	781	1,397	1,692	2,520	1,559	2,045	487	516	548	570	13,174
2044	557	503	781	1,390	1,669	2,483	1,509	1,999	452	506	548	570	12,967
2045	557	503	782	1,382	1,645	2,445	1,459	1,952	416	496	549	570	12,756
2046	558	504	782	1,375	1,620	2,406	1,407	1,904	379	485	549	571	12,541
2047	558	504	783	1,367	1,595	2,367	1,355	1,855	342	475	550	571	12,322
2048	559	504	783	1,359	1,570	2,327	1,302	1,805	304	464	550	572	12,100
2049	559	505	784	1,351	1,544	2,286	1,247	1,755	266	453	550	572	11,873
2050	559	505	784	1,343	1,518	2,244	1,192	1,703	226	442	551	573	11,642
2051	560	506	785	1,334	1,490	2,199	1,132	1,647	184	430	551	573	11,391
2052	561	506	785	1,325	1,460	2,153	1,070	1,590	140	418	552	574	11,134
2053	561	507	786	1,316	1,431	2,106	1,008	1,531	95	405	552	574	10,873
2054	562	507	786	1,307	1,400	2,058	944	1,472	50	392	553	575	10,607
2055	548	495	773	1,284	1,354	1,991	860	1,393	-12	365	541	562	10,155
2056	532	480	756	1,258	1,302	1,919	770	1,309	-79	335	525	546	9,654
2057	515	465	738	1,232	1,250	1,845	679	1,223	-147	304	509	530	9,144
2058	498	450	720	1,205	1,197	1,771	585	1,135	-216	272	493	514	8,624
2059	480	434	702	1,178	1,143	1,694	490	1,046	-287	240	477	497	8,095
2060	462	418	684	1,150	1,087	1,617	393	955	-359	207	461	480	7,556
2061	450	406	671	1,130	1,047	1,560	322	888	-412	183	449	468	7,163
2062	437	395	658	1,109	1,006	1,502	250	820	-465	159	437	456	6,765
2063	424	383	645	1,089	965	1,444	177	751	-519	135	425	444	6,362
2064	411	371	631	1,068	923	1,385	103	682	-574	110	413	432	5,953
2065	398	359	617	1,046	880	1,325	28	611	-630	85	400	419	5,539

Spanish Fork Table 25

Spanish Fork													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	936	845	939	903	953	942	977	971	925	936	902	930	11,159
2017	542	489	533	531	498	433	438	452	474	543	535	556	6,023
2018	544	491	535	532	500	435	440	454	476	544	536	558	6,046
2019	546	493	537	534	502	438	443	457	478	546	538	559	6,070
2020	548	495	539	536	505	440	445	459	480	548	540	561	6,097
2021	550	497	542	538	508	444	449	462	483	551	542	564	6,128
2022	552	499	544	541	510	447	452	466	486	553	544	566	6,160
2023	555	501	547	543	513	450	456	469	489	556	547	568	6,194
2024	558	504	550	546	517	454	459	473	492	558	549	571	6,229
2025	561	506	552	548	520	457	463	476	495	561	552	574	6,266
2026	563	509	555	551	523	461	467	480	499	564	555	576	6,304
2027	566	512	559	554	527	465	471	484	502	567	557	579	6,344
2028	570	515	562	557	530	469	476	488	506	570	560	582	6,385
2029	573	518	565	560	534	473	480	493	509	574	563	585	6,428
2030	576	521	569	563	538	478	485	497	513	577	567	589	6,472
2031	579	523	572	566	541	481	489	501	517	580	569	591	6,509
2032	582	526	575	569	545	485	493	505	520	583	572	594	6,548
2033	585	529	578	572	548	489	497	509	524	586	575	597	6,588
2034	588	532	581	575	552	493	501	513	527	589	578	600	6,630
2035	592	535	585	578	556	498	506	518	531	593	581	603	6,674
2036	595	538	588	581	560	502	511	522	535	596	584	607	6,720
2037	599	541	592	585	564	507	516	527	539	600	588	610	6,768
2038	603	545	596	588	569	512	521	532	544	603	591	614	6,818
2039	607	548	600	592	573	517	526	537	548	607	595	618	6,870
2040	611	552	604	596	578	522	532	543	553	612	599	622	6,924
2041	613	554	607	598	580	525	535	546	556	614	601	624	6,951
2042	615	556	609	600	583	528	538	548	558	616	603	626	6,979
2043	617	558	611	602	585	531	541	551	561	618	605	628	7,008
2044	620	560	613	604	588	534	544	554	563	620	607	630	7,038
2045	622	562	616	606	591	537	547	557	566	623	609	632	7,068
2046	624	564	618	609	593	540	550	560	568	625	611	634	7,098
2047	627	566	621	611	596	543	554	564	571	627	614	637	7,129
2048	629	568	623	613	599	546	557	567	574	630	616	639	7,161
2049	632	571	626	616	602	549	561	570	577	632	618	641	7,194
2050	634	573	628	618	605	552	564	574	580	635	621	644	7,228
2051	637	575	631	621	608	556	568	577	583	638	623	646	7,264
2052	640	578	634	623	611	560	572	581	586	640	626	649	7,300
2053	643	581	637	626	615	563	576	585	590	643	629	652	7,338
2054	646	583	640	629	618	567	580	589	593	646	631	655	7,377
2055	635	573	629	619	606	553	565	574	581	635	621	644	7,236
2056	621	561	615	605	589	535	546	556	564	621	608	631	7,052
2057	607	548	600	592	573	517	526	537	548	607	595	617	6,865
2058	592	535	585	578	556	498	506	518	531	593	581	604	6,676
2059	577	521	570	564	539	479	486	498	514	578	567	589	6,483
2060	562	508	554	550	522	459	465	478	497	563	553	575	6,287
2061	552	499	544	540	510	446	451	465	486	553	544	566	6,155
2062	542	489	533	531	498	433	437	452	474	543	534	556	6,021
2063	531	480	522	521	486	420	423	438	462	532	525	546	5,886
2064	521	471	512	511	474	406	409	424	450	522	515	536	5,750
2065	510	461	501	501	462	392	394	410	438	511	505	526	5,612

Spanish Fork Table 26

Spanish Fork													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	25	106	512	1,051	728	1,043	174	31	0	0	3,671
2017	0	0	25	-82	-77	122	-504	-106	-703	-224	0	0	-1,549
2018	0	0	34	-52	-51	162	-492	-86	-712	-228	0	0	-1,426
2019	0	0	43	-20	-24	204	-478	-66	-722	-232	0	0	-1,295
2020	0	0	53	14	5	248	-464	-45	-732	-236	0	0	-1,157
2021	0	0	59	38	30	286	-443	-19	-730	-236	0	0	-1,016
2022	0	0	65	63	56	325	-420	7	-728	-236	0	0	-869
2023	0	0	72	88	82	366	-397	35	-726	-236	0	0	-716
2024	0	0	78	114	109	408	-373	63	-723	-236	0	0	-558
2025	0	0	85	422	1,021	1,844	1,498	1,813	594	148	0	0	7,426
2026	0	0	92	450	1,051	1,889	1,524	1,844	598	148	0	0	7,595
2027	0	0	100	478	1,081	1,935	1,551	1,876	601	149	0	0	7,771
2028	0	0	107	508	1,112	1,983	1,580	1,909	606	149	0	0	7,953
2029	0	0	115	538	1,144	2,033	1,609	1,943	610	150	0	0	8,142
2030	0	0	123	569	1,177	2,084	1,640	1,979	615	150	0	0	8,337
2031	0	0	132	603	1,210	2,134	1,662	2,008	611	148	0	0	8,508
2032	0	0	141	638	1,243	2,185	1,686	2,038	607	146	0	0	8,686
2033	0	0	151	674	1,278	2,238	1,710	2,070	604	144	0	0	8,870
2034	0	0	161	712	1,314	2,293	1,736	2,102	600	142	0	0	9,061
2035	0	0	172	751	1,351	2,351	1,762	2,136	597	140	0	0	9,260
2036	0	0	183	791	1,389	2,410	1,790	2,172	594	138	0	0	9,466
2037	0	0	194	832	1,429	2,471	1,819	2,209	591	136	0	0	9,681
2038	0	0	205	875	1,471	2,534	1,849	2,247	588	134	0	0	9,903
2039	0	0	217	919	1,513	2,600	1,881	2,287	585	132	0	0	10,134
2040	0	0	229	964	1,558	2,668	1,914	2,328	583	130	0	0	10,374
2041	0	0	233	976	1,565	2,678	1,910	2,328	572	127	0	0	10,389
2042	0	0	233	972	1,551	2,658	1,883	2,303	553	121	0	0	10,274
2043	0	0	233	967	1,538	2,637	1,856	2,277	533	115	0	0	10,157
2044	0	0	233	963	1,525	2,616	1,828	2,251	513	110	0	0	10,038
2045	0	0	233	959	1,511	2,594	1,799	2,225	493	104	0	0	9,918
2046	0	0	233	954	1,497	2,573	1,770	2,198	473	98	0	0	9,796
2047	0	0	233	950	1,484	2,551	1,741	2,170	452	92	0	0	9,672
2048	0	0	233	946	1,469	2,528	1,712	2,143	431	86	0	0	9,547
2049	0	0	233	941	1,455	2,506	1,682	2,115	409	79	0	0	9,420
2050	0	0	233	936	1,440	2,483	1,651	2,087	388	73	0	0	9,291
2051	0	0	233	931	1,424	2,458	1,618	2,055	364	66	0	0	9,149
2052	0	0	233	926	1,408	2,432	1,583	2,023	339	59	0	0	9,004
2053	0	0	233	921	1,391	2,406	1,549	1,991	315	52	0	0	8,857
2054	0	0	233	915	1,375	2,379	1,514	1,958	290	44	0	0	8,708
2055	0	0	233	910	1,357	2,352	1,478	1,925	264	37	0	0	8,557
2056	0	0	233	904	1,340	2,325	1,442	1,891	239	29	0	0	8,403
2057	0	0	233	899	1,323	2,297	1,405	1,857	212	22	0	0	8,248
2058	0	0	233	893	1,305	2,269	1,368	1,822	186	14	0	0	8,089
2059	0	0	233	887	1,286	2,240	1,330	1,787	159	6	0	0	7,929
2060	0	0	233	881	1,268	2,211	1,291	1,751	131	-2	0	0	7,765
2061	0	0	233	878	1,257	2,194	1,268	1,730	115	-7	0	0	7,669
2062	0	0	233	874	1,246	2,177	1,245	1,708	99	-11	0	0	7,571
2063	0	0	233	871	1,235	2,159	1,222	1,686	82	-16	0	0	7,472
2064	0	0	233	867	1,224	2,141	1,199	1,665	65	-21	0	0	7,373
2065	0	0	233	864	1,212	2,124	1,175	1,643	49	-26	0	0	7,273

Spanish Fork Table 27

Spanish Fork													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	936	845	965	1,009	1,465	1,992	1,705	2,014	1,100	967	902	930	14,830
2017	542	489	559	448	421	555	-66	346	-229	318	535	556	4,474
2018	544	491	569	481	449	597	-52	368	-236	316	536	558	4,620
2019	546	493	580	515	479	641	-36	390	-244	314	538	559	4,775
2020	548	495	592	550	510	688	-19	415	-252	313	540	561	4,939
2021	550	497	600	576	537	729	6	443	-247	315	542	564	5,112
2022	552	499	609	603	566	772	31	473	-242	317	544	566	5,292
2023	555	501	618	631	595	816	58	504	-237	320	547	568	5,478
2024	558	504	628	660	626	862	86	536	-231	323	549	571	5,671
2025	561	506	638	971	1,541	2,301	1,961	2,290	1,089	709	552	574	13,692
2026	563	509	648	1,001	1,574	2,350	1,991	2,324	1,096	712	555	576	13,900
2027	566	512	658	1,032	1,607	2,400	2,022	2,360	1,103	716	557	579	14,115
2028	570	515	669	1,065	1,642	2,452	2,055	2,397	1,111	719	560	582	14,338
2029	573	518	680	1,098	1,678	2,506	2,089	2,436	1,120	723	563	585	14,570
2030	576	521	691	1,132	1,715	2,562	2,125	2,476	1,128	727	567	589	14,809
2031	579	523	704	1,169	1,751	2,615	2,151	2,509	1,128	728	569	591	15,017
2032	582	526	716	1,207	1,788	2,670	2,178	2,543	1,128	729	572	594	15,233
2033	585	529	729	1,246	1,826	2,727	2,207	2,578	1,128	730	575	597	15,458
2034	588	532	743	1,287	1,866	2,787	2,237	2,615	1,128	731	578	600	15,692
2035	592	535	757	1,329	1,907	2,848	2,268	2,654	1,128	733	581	603	15,934
2036	595	538	771	1,372	1,949	2,912	2,301	2,694	1,129	734	584	607	16,187
2037	599	541	786	1,417	1,993	2,978	2,335	2,736	1,130	736	588	610	16,449
2038	603	545	801	1,463	2,039	3,046	2,370	2,779	1,132	738	591	614	16,721
2039	607	548	817	1,511	2,086	3,117	2,408	2,824	1,134	740	595	618	17,004
2040	611	552	833	1,560	2,136	3,190	2,446	2,871	1,136	742	599	622	17,298
2041	613	554	839	1,574	2,145	3,203	2,445	2,874	1,128	740	601	624	17,341
2042	615	556	842	1,572	2,134	3,186	2,421	2,851	1,111	737	603	626	17,253
2043	617	558	844	1,570	2,124	3,168	2,397	2,828	1,094	733	605	628	17,165
2044	620	560	846	1,567	2,113	3,149	2,372	2,805	1,076	730	607	630	17,076
2045	622	562	848	1,565	2,102	3,131	2,346	2,782	1,059	726	609	632	16,986
2046	624	564	851	1,563	2,091	3,112	2,321	2,758	1,041	723	611	634	16,894
2047	627	566	853	1,561	2,080	3,093	2,295	2,734	1,023	719	614	637	16,802
2048	629	568	856	1,559	2,068	3,074	2,269	2,710	1,005	715	616	639	16,709
2049	632	571	858	1,557	2,057	3,055	2,242	2,685	986	712	618	641	16,614
2050	634	573	861	1,554	2,045	3,035	2,215	2,660	967	708	621	644	16,519
2051	637	575	864	1,552	2,032	3,013	2,185	2,632	947	704	623	646	16,412
2052	640	578	867	1,549	2,019	2,991	2,155	2,604	926	699	626	649	16,304
2053	643	581	870	1,547	2,006	2,969	2,124	2,576	904	695	629	652	16,195
2054	646	583	873	1,544	1,993	2,946	2,093	2,547	883	691	631	655	16,085
2055	635	573	862	1,529	1,963	2,905	2,043	2,499	845	672	621	644	15,793
2056	621	561	847	1,510	1,929	2,860	1,987	2,447	803	651	608	631	15,456
2057	607	548	833	1,491	1,895	2,814	1,931	2,394	760	629	595	617	15,113
2058	592	535	818	1,471	1,861	2,767	1,874	2,340	717	607	581	604	14,765
2059	577	521	802	1,451	1,825	2,719	1,815	2,285	673	584	567	589	14,412
2060	562	508	787	1,431	1,790	2,671	1,756	2,229	629	561	553	575	14,052
2061	552	499	776	1,418	1,767	2,640	1,720	2,195	601	546	544	566	13,824
2062	542	489	766	1,405	1,744	2,610	1,683	2,160	572	531	534	556	13,592
2063	531	480	755	1,392	1,721	2,579	1,645	2,124	544	516	525	546	13,359
2064	521	471	744	1,378	1,698	2,548	1,607	2,089	515	501	515	536	13,123
2065	510	461	733	1,365	1,674	2,516	1,569	2,053	486	485	505	526	12,885

SPRINGVILLE

Explanation of Supply and Demand Tables – Springville City

Springville Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Springville Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Springville Table 3: Strawberry Valley Project. The initial volume is based on the current number of SVP shares within the City's existing corporate boundary. The 2065 SVP volume was allocated based on the percent of the subarea as compared with the total SVP acres and what percent of the subarea developed for urban use. The delivery pattern of SVP water was based on the 1977 Spanish Fork River Commissioner's annual report, but the volume was slightly adjusted to provide a total SVP delivery of 61,000 acre-feet.

Springville Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Springville Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Springville Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Springville Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Springville Table 8: Spanish Fork River. The current available volume was estimated based on the allocation of river flows from the 1977 Spanish Fork River Commissioner Report. Spanish Fork River water rights held by the City and shares of Spanish Fork river companies currently owned by the City were also considered in the estimate. River companies share volumes were allocated to the City based on how the river companies' boundaries overlay the City. The 2065 volume was calculated based on anticipated future conversion of river companies shares from agricultural use to municipal use.

Springville Table 9: Irrigation Shares. The 25-year low from all sources that are owned by local irrigation companies including local streams, springs, and wells as calculated from stream gages and flow records. Spanish Fork River flows delivered from City -owned water rights and through the river companies are not included in these volumes but are included in Table 8. Irrigation share volumes were allocated to the City based on how the irrigation company boundaries overlay the City. The distribution was assumed to follow the 25-year low flow distribution. Non-irrigation season water was not included. Irrigation shares are assumed to be available for outdoor use except in certain cases when shares are moved into wells by change application for indoor use.

Springville Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Springville, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Springville Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Springville, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Springville Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Springville Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Springville Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Springville Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Springville Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Springville Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Springville Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to 0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Springville Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Springville Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Springville Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Springville Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Springville Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Springville Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Springville Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater

(Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Springville Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Springville Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Springville Table 1

Springville													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2017	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2018	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2019	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2020	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2021	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2022	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2023	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2024	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2025	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2026	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2027	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2028	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2029	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2030	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2031	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2032	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2033	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2034	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2035	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2036	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2037	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2038	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2039	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2040	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2041	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2042	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2043	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2044	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2045	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2046	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2047	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2048	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2049	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2050	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2051	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2052	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2053	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2054	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2055	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2056	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2057	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2058	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2059	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2060	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2061	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2062	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2063	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2064	461	416	461	446	461	446	461	461	446	461	446	461	5,428
2065	461	416	461	446	461	446	461	461	446	461	446	461	5,428

Springville Table 2

Springville													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2026	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2027	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2028	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2029	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2030	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2031	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2032	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2033	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2034	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2035	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2036	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2037	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2038	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2039	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2040	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2041	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2042	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2043	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2044	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2045	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2046	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2047	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2048	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2049	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2050	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2051	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2052	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2053	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2054	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2055	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2056	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2057	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2058	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2059	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2060	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2061	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2062	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2063	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2064	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448
2065	0	0	0	196	616	970	1,286	1,199	915	267	0	0	5,448

Springville Table 3

Springville													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	25	144	642	512	506	136	5	0	0	1,970
2017	0	0	0	25	144	642	512	506	136	5	0	0	1,970
2018	0	0	0	25	144	642	512	506	136	5	0	0	1,970
2019	0	0	0	25	144	642	512	506	136	5	0	0	1,970
2020	0	0	0	28	163	727	580	573	154	6	0	0	2,232
2021	0	0	0	30	175	780	622	615	165	7	0	0	2,394
2022	0	0	0	32	187	834	665	657	177	7	0	0	2,560
2023	0	0	0	34	200	890	710	701	188	8	0	0	2,731
2024	0	0	0	36	213	947	755	746	201	8	0	0	2,906
2025	0	0	0	38	226	1,006	802	792	213	9	0	0	3,086
2026	0	0	0	41	239	1,066	850	840	226	9	0	0	3,270
2027	0	0	0	43	253	1,127	899	888	239	10	0	0	3,458
2028	0	0	0	45	267	1,190	949	938	252	10	0	0	3,652
2029	0	0	0	48	282	1,255	1,001	989	266	11	0	0	3,850
2030	0	0	0	50	297	1,321	1,053	1,041	280	11	0	0	4,054
2031	0	0	0	52	308	1,370	1,092	1,079	290	12	0	0	4,203
2032	0	0	0	54	319	1,419	1,132	1,118	301	12	0	0	4,355
2033	0	0	0	56	330	1,470	1,172	1,158	311	12	0	0	4,510
2034	0	0	0	58	342	1,521	1,213	1,199	322	13	0	0	4,668
2035	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2036	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2037	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2038	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2039	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2040	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2041	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2042	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2043	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2044	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2045	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2046	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2047	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2048	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2049	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2050	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2051	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2052	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2053	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2054	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2055	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2056	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2057	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2058	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2059	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2060	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2061	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2062	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2063	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2064	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702
2065	0	0	0	59	344	1,533	1,222	1,207	324	13	0	0	4,702

Springville Table 4

Springville													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2017	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2018	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2019	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2020	0	0	1	580	589	311	238	257	260	293	0	0	2,531
2021	0	0	2	781	792	419	321	345	350	394	0	0	3,402
2022	0	0	2	986	999	529	405	435	442	496	0	0	4,295
2023	0	0	3	1,196	1,212	642	492	528	536	602	0	0	5,211
2024	0	0	4	1,412	1,430	757	581	623	632	710	0	0	6,150
2025	0	0	4	1,633	1,654	876	672	721	731	821	0	0	7,113
2026	0	0	5	1,860	1,884	998	765	821	833	935	0	0	8,101
2027	0	0	6	2,093	2,119	1,123	861	924	937	1,052	0	0	9,114
2028	0	0	7	2,331	2,361	1,251	959	1,029	1,043	1,171	0	0	10,153
2029	0	0	7	2,576	2,608	1,383	1,060	1,137	1,153	1,294	0	0	11,218
2030	0	0	8	2,827	2,862	1,517	1,163	1,248	1,265	1,420	0	0	12,310
2031	0	0	9	3,011	3,048	1,616	1,239	1,329	1,347	1,512	0	0	13,111
2032	0	0	9	3,198	3,238	1,717	1,316	1,411	1,431	1,606	0	0	13,927
2033	0	0	10	3,389	3,431	1,819	1,394	1,495	1,516	1,702	0	0	14,757
2034	0	0	11	3,583	3,628	1,923	1,474	1,581	1,603	1,799	0	0	15,603
2035	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2036	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2037	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2038	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2039	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2040	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2041	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2042	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2043	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2044	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2045	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2046	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2047	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2048	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2049	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2050	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2051	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2052	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2053	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2054	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2055	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2056	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2057	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2058	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2059	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2060	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2061	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2062	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2063	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2064	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789
2065	0	0	11	3,626	3,671	1,946	1,492	1,600	1,622	1,821	0	0	15,789

Springville Table 5

Springville													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2017	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2018	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2019	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2020	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2021	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2022	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2023	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2024	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2025	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2026	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2027	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2028	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2029	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2030	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2031	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2032	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2033	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2034	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2035	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2036	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2037	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2038	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2039	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2040	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2041	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2042	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2043	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2044	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2045	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2046	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2047	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2048	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2049	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2050	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2051	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2052	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2053	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2054	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2055	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2056	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2057	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2058	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2059	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2060	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2061	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2062	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2063	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2064	370	334	381	349	427	477	506	487	424	369	344	351	4,819
2065	370	334	381	349	427	477	506	487	424	369	344	351	4,819

Springville Table 6

Springville													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Springville Table 7

Springville													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	14	12	14	13	16	18	19	18	16	14	13	13	178
2019	28	25	29	26	32	36	38	37	32	28	26	27	364
2020	43	39	44	40	49	55	59	56	49	43	40	41	558
2021	52	47	54	49	60	67	71	69	60	52	48	49	678
2022	61	56	63	58	71	79	84	81	70	61	57	58	802
2023	71	64	73	67	82	92	97	94	82	71	66	68	928
2024	81	73	84	77	94	105	111	107	93	81	76	77	1,058
2025	91	82	94	86	105	118	125	120	105	91	85	87	1,191
2026	102	92	105	96	118	131	139	134	117	102	95	97	1,327
2027	113	102	116	106	130	145	154	148	129	112	105	107	1,467
2028	124	112	127	117	143	159	169	163	142	123	115	117	1,611
2029	135	122	139	127	156	174	185	178	155	134	126	128	1,758
2030	146	132	151	138	169	189	200	193	168	146	136	139	1,909
2031	155	140	160	146	179	200	212	204	178	154	144	147	2,019
2032	164	148	169	155	189	211	224	216	187	163	152	155	2,132
2033	172	156	178	163	199	222	236	227	198	172	161	164	2,246
2034	181	164	187	171	209	234	248	239	208	181	169	172	2,363
2035	190	172	196	180	220	246	261	251	218	190	177	181	2,482
2036	200	180	206	189	230	258	273	263	229	199	186	190	2,603
2037	209	189	216	198	241	270	286	276	240	209	195	199	2,727
2038	219	198	225	207	253	282	299	289	251	218	204	208	2,852
2039	229	206	236	216	264	295	313	301	262	228	213	217	2,980
2040	239	215	246	226	275	308	327	315	273	238	222	227	3,110
2041	242	219	249	229	279	312	331	319	277	241	226	230	3,156
2042	246	222	253	232	284	317	336	324	282	245	229	233	3,202
2043	249	225	257	236	288	322	341	329	286	249	232	237	3,249
2044	253	228	261	239	292	326	346	333	290	252	236	240	3,296
2045	256	232	264	242	296	331	351	338	294	256	239	244	3,343
2046	260	235	268	246	300	336	356	343	298	259	242	247	3,391
2047	264	238	272	249	304	340	361	348	302	263	246	251	3,439
2048	267	242	276	253	309	345	366	353	307	267	249	254	3,487
2049	271	245	279	256	313	350	371	358	311	270	253	258	3,536
2050	275	248	283	260	317	355	376	363	315	274	256	261	3,584
2051	281	254	290	266	325	363	385	371	323	281	262	267	3,670
2052	288	260	297	272	333	372	394	380	330	287	268	274	3,756
2053	295	266	304	279	340	380	404	389	338	294	275	280	3,843
2054	302	272	311	285	348	389	413	398	346	301	281	287	3,931
2055	308	278	318	292	356	398	422	407	353	307	287	293	4,020
2056	315	285	325	298	364	407	432	416	361	314	294	300	4,110
2057	322	291	332	305	372	416	441	425	369	321	300	306	4,201
2058	329	297	339	311	380	425	451	434	377	328	307	313	4,293
2059	336	304	347	318	388	434	461	444	386	335	313	320	4,386
2060	344	310	354	325	397	443	470	453	394	343	320	327	4,480
2061	347	314	358	329	401	448	476	458	398	346	324	330	4,530
2062	351	317	362	332	405	453	481	463	403	350	327	334	4,579
2063	355	321	366	336	410	458	486	468	407	354	331	337	4,629
2064	359	324	370	339	414	463	491	473	411	358	334	341	4,680
2065	363	328	374	343	419	468	497	479	416	362	338	345	4,731

Springvville Table 8

Springville													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	1	6	4	4	3	2	2	0	0	0	21
2021	0	0	2	10	6	6	5	3	3	1	0	0	35
2022	0	0	2	14	8	9	7	4	4	1	0	0	48
2023	0	0	3	18	11	11	9	5	5	1	0	0	62
2024	0	0	4	22	13	14	11	6	6	2	0	0	77
2025	0	0	4	26	16	17	13	7	7	2	0	0	91
2026	0	0	5	30	18	19	15	8	8	2	0	0	107
2027	0	0	6	34	21	22	17	10	9	2	0	0	122
2028	0	0	7	39	24	25	19	11	11	3	0	0	138
2029	0	0	7	44	27	28	21	12	12	3	0	0	154
2030	0	0	8	48	29	31	23	14	13	3	0	0	171
2031	0	0	9	52	32	33	25	15	14	4	0	0	183
2032	0	0	9	55	34	36	27	15	15	4	0	0	196
2033	0	0	10	59	36	38	29	17	16	4	0	0	208
2034	0	0	11	62	38	40	30	18	17	5	0	0	221
2035	0	0	11	63	39	41	31	18	17	5	0	0	224
2036	0	0	11	63	39	41	31	18	17	5	0	0	224
2037	0	0	11	63	39	41	31	18	17	5	0	0	224
2038	0	0	11	63	39	41	31	18	17	5	0	0	224
2039	0	0	11	63	39	41	31	18	17	5	0	0	224
2040	0	0	11	63	39	41	31	18	17	5	0	0	224
2041	0	0	11	63	39	41	31	18	17	5	0	0	224
2042	0	0	11	63	39	41	31	18	17	5	0	0	224
2043	0	0	11	63	39	41	31	18	17	5	0	0	224
2044	0	0	11	63	39	41	31	18	17	5	0	0	224
2045	0	0	11	63	39	41	31	18	17	5	0	0	224
2046	0	0	11	63	39	41	31	18	17	5	0	0	224
2047	0	0	11	63	39	41	31	18	17	5	0	0	224
2048	0	0	11	63	39	41	31	18	17	5	0	0	224
2049	0	0	11	63	39	41	31	18	17	5	0	0	224
2050	0	0	11	63	39	41	31	18	17	5	0	0	224
2051	0	0	11	63	39	41	31	18	17	5	0	0	224
2052	0	0	11	63	39	41	31	18	17	5	0	0	224
2053	0	0	11	63	39	41	31	18	17	5	0	0	224
2054	0	0	11	63	39	41	31	18	17	5	0	0	224
2055	0	0	11	63	39	41	31	18	17	5	0	0	224
2056	0	0	11	63	39	41	31	18	17	5	0	0	224
2057	0	0	11	63	39	41	31	18	17	5	0	0	224
2058	0	0	11	63	39	41	31	18	17	5	0	0	224
2059	0	0	11	63	39	41	31	18	17	5	0	0	224
2060	0	0	11	63	39	41	31	18	17	5	0	0	224
2061	0	0	11	63	39	41	31	18	17	5	0	0	224
2062	0	0	11	63	39	41	31	18	17	5	0	0	224
2063	0	0	11	63	39	41	31	18	17	5	0	0	224
2064	0	0	11	63	39	41	31	18	17	5	0	0	224
2065	0	0	11	63	39	41	31	18	17	5	0	0	224

Springville Table 9

Springville													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2017	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2018	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2019	0	0	0	258	263	138	106	115	116	131	0	0	1,127
2020	0	0	0	574	586	307	236	255	259	293	0	0	2,509
2021	0	0	0	771	786	412	316	342	347	393	0	0	3,367
2022	0	0	0	972	991	520	399	432	438	495	0	0	4,246
2023	0	0	0	1,178	1,201	630	483	523	531	601	0	0	5,148
2024	0	0	0	1,390	1,417	744	570	617	626	709	0	0	6,073
2025	0	0	0	1,607	1,639	860	659	714	724	819	0	0	7,022
2026	0	0	0	1,830	1,866	979	750	813	825	933	0	0	7,994
2027	0	0	0	2,058	2,098	1,101	844	914	927	1,049	0	0	8,992
2028	0	0	0	2,292	2,337	1,226	940	1,018	1,033	1,168	0	0	10,015
2029	0	0	0	2,532	2,582	1,354	1,038	1,125	1,141	1,291	0	0	11,064
2030	0	0	0	2,779	2,833	1,486	1,139	1,234	1,252	1,416	0	0	12,139
2031	0	0	0	2,959	3,017	1,583	1,213	1,314	1,333	1,508	0	0	12,928
2032	0	0	0	3,143	3,204	1,681	1,289	1,396	1,416	1,602	0	0	13,731
2033	0	0	0	3,330	3,395	1,781	1,366	1,479	1,501	1,698	0	0	14,549
2034	0	0	0	3,521	3,589	1,883	1,444	1,564	1,586	1,795	0	0	15,382
2035	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2036	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2037	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2038	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2039	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2040	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2041	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2042	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2043	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2044	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2045	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2046	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2047	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2048	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2049	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2050	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2051	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2052	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2053	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2054	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2055	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2056	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2057	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2058	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2059	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2060	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2061	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2062	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2063	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2064	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565
2065	0	0	0	3,563	3,632	1,906	1,461	1,582	1,605	1,816	0	0	15,565

Springville Table 10

Springville													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	387	349	398	366	446	499	529	510	443	386	360	367	5,041
2018	403	364	416	381	465	520	552	532	462	402	376	383	5,257
2019	420	380	433	398	485	543	576	555	482	419	392	400	5,482
2020	438	396	452	415	506	566	600	578	503	437	409	417	5,717
2021	450	406	463	425	519	580	616	593	515	448	419	427	5,863
2022	461	416	475	436	532	595	631	608	529	460	430	438	6,012
2023	473	427	487	447	546	610	647	624	542	472	441	449	6,165
2024	485	438	500	459	560	626	664	640	556	484	452	461	6,322
2025	497	449	512	470	574	642	681	656	570	496	463	473	6,483
2026	510	461	526	482	589	658	698	673	585	509	475	485	6,649
2027	523	472	539	494	604	675	716	690	599	521	487	497	6,818
2028	536	484	553	507	619	692	734	707	615	535	500	510	6,992
2029	550	497	567	520	635	710	753	725	630	548	512	523	7,170
2030	564	509	581	533	651	728	772	744	646	562	526	536	7,353
2031	574	519	592	543	663	741	786	757	658	573	535	546	7,487
2032	585	528	603	553	675	755	800	771	670	583	545	556	7,623
2033	595	538	614	563	687	768	815	785	682	594	555	566	7,762
2034	606	547	625	573	700	782	830	799	695	604	565	576	7,903
2035	617	557	636	584	713	797	845	814	708	616	575	587	8,047
2036	629	568	648	594	726	811	860	829	720	627	586	597	8,194
2037	640	578	660	605	739	826	876	844	734	638	596	608	8,343
2038	652	588	672	616	752	841	892	859	747	650	607	619	8,495
2039	664	599	684	627	766	856	908	875	761	662	618	631	8,650
2040	676	610	696	639	780	872	925	891	774	674	630	642	8,808
2041	680	614	701	643	785	877	931	897	779	678	634	646	8,864
2042	684	618	705	647	790	883	937	902	784	682	638	650	8,920
2043	689	622	710	651	795	888	943	908	789	687	642	654	8,977
2044	693	626	714	655	800	894	949	914	794	691	646	658	9,033
2045	697	630	719	659	805	900	955	920	799	695	650	663	9,091
2046	702	634	723	664	810	906	961	925	804	700	654	667	9,148
2047	706	638	728	668	815	911	967	931	809	704	658	671	9,206
2048	711	642	732	672	820	917	973	937	815	709	662	675	9,265
2049	715	646	737	676	825	923	979	943	820	713	666	680	9,323
2050	720	650	742	680	831	929	985	949	825	718	671	684	9,383
2051	728	657	750	688	840	939	996	960	834	726	678	691	9,486
2052	736	664	758	696	849	949	1,007	970	843	733	685	699	9,590
2053	744	672	766	703	858	960	1,018	981	852	742	693	707	9,696
2054	752	679	775	711	868	970	1,029	992	862	750	701	714	9,802
2055	760	686	783	719	877	981	1,041	1,002	871	758	708	722	9,910
2056	768	694	792	727	887	992	1,052	1,014	881	766	716	730	10,019
2057	777	702	801	735	897	1,003	1,064	1,025	891	775	724	738	10,129
2058	785	709	810	743	907	1,014	1,075	1,036	900	783	732	746	10,241
2059	794	717	818	751	917	1,025	1,087	1,047	910	792	740	755	10,353
2060	803	725	827	759	927	1,036	1,099	1,059	920	801	748	763	10,467
2061	807	729	832	764	932	1,042	1,105	1,065	926	805	752	767	10,527
2062	812	733	837	768	937	1,048	1,112	1,071	931	810	757	772	10,588
2063	817	738	842	772	943	1,054	1,118	1,077	936	814	761	776	10,648
2064	821	742	847	777	948	1,060	1,125	1,083	942	819	765	781	10,709
2065	826	746	851	781	954	1,066	1,131	1,090	947	824	770	785	10,771

Springville Table 11

Springville													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	171	536	845	1,120	1,044	797	233	0	0	4,745
2018	0	0	0	179	560	883	1,170	1,091	833	243	0	0	4,959
2019	0	0	0	187	586	922	1,223	1,140	871	254	0	0	5,182
2020	0	0	0	195	612	964	1,278	1,191	910	265	0	0	5,415
2021	0	0	0	200	629	990	1,313	1,224	935	273	0	0	5,565
2022	0	0	0	206	646	1,018	1,349	1,258	961	280	0	0	5,718
2023	0	0	0	212	664	1,046	1,387	1,293	987	288	0	0	5,876
2024	0	0	0	217	682	1,075	1,425	1,328	1,014	296	0	0	6,038
2025	0	0	0	223	701	1,104	1,464	1,365	1,042	304	0	0	6,205
2026	0	0	0	230	720	1,135	1,505	1,403	1,071	312	0	0	6,376
2027	0	0	0	236	740	1,166	1,546	1,441	1,101	321	0	0	6,552
2028	0	0	0	242	761	1,198	1,589	1,481	1,131	330	0	0	6,732
2029	0	0	0	249	782	1,231	1,633	1,522	1,162	339	0	0	6,918
2030	0	0	0	256	803	1,265	1,678	1,564	1,194	348	0	0	7,109
2031	0	0	0	261	820	1,291	1,712	1,596	1,218	355	0	0	7,253
2032	0	0	0	266	836	1,317	1,746	1,628	1,243	363	0	0	7,400
2033	0	0	0	272	853	1,344	1,782	1,661	1,268	370	0	0	7,550
2034	0	0	0	277	870	1,371	1,818	1,695	1,294	377	0	0	7,703
2035	0	0	0	283	888	1,399	1,855	1,729	1,320	385	0	0	7,859
2036	0	0	0	289	906	1,427	1,892	1,764	1,347	393	0	0	8,019
2037	0	0	0	295	924	1,456	1,931	1,800	1,374	401	0	0	8,181
2038	0	0	0	300	943	1,486	1,970	1,836	1,402	409	0	0	8,347
2039	0	0	0	307	962	1,516	2,010	1,874	1,431	417	0	0	8,516
2040	0	0	0	313	982	1,547	2,050	1,911	1,460	426	0	0	8,688
2041	0	0	0	315	990	1,559	2,068	1,927	1,472	429	0	0	8,761
2042	0	0	0	318	998	1,572	2,085	1,943	1,484	433	0	0	8,834
2043	0	0	0	321	1,007	1,586	2,102	1,960	1,496	436	0	0	8,908
2044	0	0	0	323	1,015	1,599	2,120	1,976	1,509	440	0	0	8,982
2045	0	0	0	326	1,023	1,612	2,137	1,992	1,521	444	0	0	9,056
2046	0	0	0	329	1,032	1,625	2,155	2,009	1,534	447	0	0	9,132
2047	0	0	0	331	1,040	1,639	2,173	2,026	1,547	451	0	0	9,208
2048	0	0	0	334	1,049	1,653	2,191	2,043	1,560	455	0	0	9,284
2049	0	0	0	337	1,058	1,666	2,209	2,060	1,573	459	0	0	9,361
2050	0	0	0	340	1,067	1,680	2,228	2,077	1,586	463	0	0	9,439
2051	0	0	0	344	1,080	1,702	2,257	2,104	1,606	469	0	0	9,562
2052	0	0	0	349	1,094	1,724	2,286	2,131	1,627	475	0	0	9,686
2053	0	0	0	353	1,109	1,746	2,315	2,158	1,648	481	0	0	9,811
2054	0	0	0	358	1,123	1,769	2,345	2,186	1,670	487	0	0	9,938
2055	0	0	0	362	1,138	1,792	2,376	2,215	1,691	493	0	0	10,067
2056	0	0	0	367	1,152	1,815	2,407	2,243	1,713	500	0	0	10,198
2057	0	0	0	372	1,167	1,839	2,438	2,273	1,735	506	0	0	10,330
2058	0	0	0	377	1,182	1,862	2,469	2,302	1,758	513	0	0	10,463
2059	0	0	0	382	1,198	1,887	2,501	2,332	1,781	519	0	0	10,599
2060	0	0	0	386	1,213	1,911	2,534	2,362	1,804	526	0	0	10,736
2061	0	0	0	389	1,222	1,926	2,553	2,380	1,817	530	0	0	10,818
2062	0	0	0	392	1,232	1,940	2,573	2,398	1,831	534	0	0	10,901
2063	0	0	0	395	1,241	1,955	2,592	2,417	1,845	538	0	0	10,984
2064	0	0	0	398	1,251	1,970	2,612	2,435	1,859	542	0	0	11,068
1905	0	0	0	401	1,260	1,985	2,632	2,454	1,874	546	0	0	11,153

Springville Table 12

Springville													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	387	349	398	536	983	1,344	1,649	1,554	1,240	618	360	367	9,786
2018	403	364	416	560	1,026	1,403	1,722	1,623	1,295	645	376	383	10,216
2019	420	380	433	584	1,071	1,465	1,799	1,695	1,353	673	392	400	10,664
2020	438	396	452	610	1,118	1,530	1,878	1,770	1,412	703	409	417	11,132
2021	450	406	463	626	1,148	1,571	1,929	1,817	1,450	721	419	427	11,427
2022	461	416	475	642	1,178	1,613	1,981	1,866	1,489	740	430	438	11,730
2023	473	427	487	659	1,210	1,656	2,034	1,916	1,529	759	441	449	12,041
2024	485	438	500	676	1,242	1,701	2,089	1,968	1,570	779	452	461	12,360
2025	497	449	512	694	1,275	1,746	2,145	2,021	1,612	800	463	473	12,688
2026	510	461	526	712	1,309	1,793	2,203	2,075	1,656	821	475	485	13,024
2027	523	472	539	730	1,344	1,841	2,262	2,131	1,700	842	487	497	13,370
2028	536	484	553	749	1,380	1,890	2,323	2,188	1,746	865	500	510	13,724
2029	550	497	567	769	1,417	1,941	2,386	2,247	1,793	887	512	523	14,088
2030	564	509	581	789	1,454	1,993	2,450	2,308	1,841	911	526	536	14,461
2031	574	519	592	804	1,482	2,032	2,498	2,353	1,877	928	535	546	14,740
2032	585	528	603	819	1,511	2,072	2,547	2,399	1,913	946	545	556	15,023
2033	595	538	614	835	1,540	2,112	2,597	2,446	1,951	964	555	566	15,312
2034	606	547	625	851	1,570	2,153	2,648	2,494	1,989	982	565	576	15,607
2035	617	557	636	867	1,601	2,196	2,700	2,543	2,028	1,001	575	587	15,907
2036	629	568	648	883	1,632	2,238	2,753	2,593	2,068	1,020	586	597	16,213
2037	640	578	660	900	1,663	2,282	2,807	2,644	2,108	1,039	596	608	16,525
2038	652	588	672	917	1,695	2,327	2,862	2,696	2,149	1,059	607	619	16,842
2039	664	599	684	934	1,728	2,372	2,918	2,749	2,191	1,079	618	631	17,166
2040	676	610	696	952	1,762	2,418	2,975	2,802	2,234	1,099	630	642	17,496
2041	680	614	701	958	1,775	2,437	2,998	2,824	2,251	1,107	634	646	17,625
2042	684	618	705	965	1,788	2,455	3,021	2,846	2,268	1,115	638	650	17,754
2043	689	622	710	972	1,801	2,474	3,045	2,868	2,286	1,123	642	654	17,884
2044	693	626	714	979	1,815	2,493	3,068	2,890	2,303	1,131	646	658	18,015
2045	697	630	719	985	1,828	2,512	3,092	2,912	2,321	1,139	650	663	18,147
2046	702	634	723	992	1,842	2,531	3,116	2,934	2,338	1,147	654	667	18,280
2047	706	638	728	999	1,856	2,550	3,140	2,957	2,356	1,155	658	671	18,414
2048	711	642	732	1,006	1,869	2,570	3,164	2,980	2,374	1,164	662	675	18,549
2049	715	646	737	1,013	1,883	2,589	3,188	3,003	2,392	1,172	666	680	18,685
2050	720	650	742	1,020	1,897	2,609	3,213	3,026	2,411	1,180	671	684	18,822
2051	728	657	750	1,032	1,920	2,641	3,253	3,063	2,440	1,194	678	691	19,047
2052	736	664	758	1,044	1,944	2,673	3,293	3,101	2,470	1,208	685	699	19,276
2053	744	672	766	1,056	1,967	2,706	3,334	3,139	2,501	1,222	693	707	19,507
2054	752	679	775	1,069	1,991	2,739	3,375	3,178	2,531	1,237	701	714	19,741
2055	760	686	783	1,081	2,015	2,773	3,416	3,217	2,563	1,251	708	722	19,977
2056	768	694	792	1,094	2,039	2,807	3,459	3,257	2,594	1,266	716	730	20,217
2057	777	702	801	1,107	2,064	2,841	3,501	3,297	2,626	1,281	724	738	20,459
2058	785	709	810	1,119	2,089	2,876	3,545	3,338	2,658	1,296	732	746	20,704
2059	794	717	818	1,132	2,114	2,911	3,588	3,379	2,691	1,311	740	755	20,952
2060	803	725	827	1,146	2,140	2,947	3,633	3,421	2,724	1,327	748	763	21,203
2061	807	729	832	1,153	2,155	2,968	3,658	3,445	2,743	1,335	752	767	21,345
2062	812	733	837	1,160	2,169	2,988	3,684	3,469	2,762	1,344	757	772	21,489
2063	817	738	842	1,168	2,184	3,009	3,710	3,494	2,782	1,353	761	776	21,633
2064	821	742	847	1,175	2,199	3,030	3,737	3,518	2,801	1,361	765	781	21,778
1905	826	746	851	1,183	2,214	3,051	3,763	3,543	2,821	1,370	770	785	21,923

Springville Table 13

Springville													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	371	335	382	351	428	479	508	489	425	370	346	353	4,837
2018	385	348	397	364	445	497	527	508	442	384	359	366	5,022
2019	400	361	412	378	462	516	548	528	458	399	373	380	5,215
2020	415	375	428	393	480	536	569	548	476	414	387	395	5,416
2021	425	384	438	402	491	548	582	561	487	424	396	404	5,541
2022	435	393	448	411	502	561	595	573	498	434	405	413	5,669
2023	445	402	459	421	514	574	609	587	510	444	415	423	5,800
2024	455	411	469	430	525	587	623	600	522	454	424	433	5,935
2025	466	421	480	440	538	601	638	614	534	464	434	443	6,073
2026	477	431	491	451	550	615	653	629	546	475	444	453	6,215
2027	488	441	503	461	563	630	668	643	559	486	455	464	6,360
2028	499	451	515	472	576	644	683	658	572	498	465	474	6,509
2029	511	461	527	483	590	659	700	674	586	510	476	486	6,662
2030	523	472	539	495	604	675	716	690	599	521	487	497	6,818
2031	532	480	548	503	614	686	728	701	610	530	496	505	6,933
2032	541	488	557	511	624	698	740	713	620	539	504	514	7,050
2033	550	497	567	520	635	710	753	725	630	548	512	523	7,169
2034	559	505	576	529	645	722	766	737	641	558	521	531	7,290
2035	569	514	586	538	656	734	778	750	652	567	530	540	7,414
2036	578	522	596	547	668	746	792	763	663	577	539	550	7,540
2037	588	531	606	556	679	759	805	776	674	586	548	559	7,668
2038	598	540	616	566	690	772	819	789	686	596	557	568	7,798
2039	608	549	627	575	702	785	833	802	697	607	567	578	7,931
2040	619	559	638	585	714	798	847	816	709	617	576	588	8,066
2041	622	562	641	588	718	803	852	821	713	621	580	591	8,114
2042	626	565	645	592	723	808	857	826	718	624	583	595	8,162
2043	630	569	649	595	727	813	862	831	722	628	587	598	8,210
2044	633	572	653	599	731	817	867	835	726	632	590	602	8,259
2045	637	576	657	603	736	822	872	840	730	635	594	606	8,308
2046	641	579	661	606	740	827	878	845	735	639	597	609	8,357
2047	645	582	665	610	744	832	883	850	739	643	601	613	8,407
2048	649	586	669	613	749	837	888	856	744	647	604	616	8,457
2049	653	589	672	617	753	842	893	861	748	651	608	620	8,508
2050	656	593	676	621	758	847	899	866	752	655	612	624	8,558
2051	663	599	683	627	766	856	908	875	760	661	618	630	8,647
2052	670	605	691	634	773	865	917	884	768	668	624	637	8,736
2053	677	611	698	640	781	874	927	893	776	675	631	643	8,827
2054	684	618	705	647	790	883	936	902	784	682	637	650	8,918
2055	691	624	712	654	798	892	946	911	792	689	644	657	9,010
2056	698	631	720	660	806	901	956	921	800	696	651	664	9,104
2057	706	637	727	667	814	910	966	930	809	704	657	670	9,198
2058	713	644	735	674	823	920	976	940	817	711	664	677	9,294
2059	720	650	742	681	831	929	986	950	826	718	671	684	9,390
2060	728	657	750	688	840	939	996	960	834	726	678	692	9,488
2061	732	661	754	692	845	944	1,002	965	839	730	682	695	9,539
2062	736	664	758	696	849	949	1,007	970	843	734	686	699	9,591
2063	740	668	762	699	854	954	1,013	975	848	738	689	703	9,643
2064	744	672	766	703	858	960	1,018	981	852	742	693	707	9,695
2065	748	675	771	707	863	965	1,024	986	857	746	697	711	9,748

Springville Table 14

Springville													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	171	536	845	1,120	1,044	797	233	0	0	4,745
2018	0	0	0	179	560	883	1,170	1,091	833	243	0	0	4,959
2019	0	0	0	187	586	922	1,223	1,140	871	254	0	0	5,182
2020	0	0	0	195	612	964	1,278	1,191	910	265	0	0	5,415
2021	0	0	0	200	629	990	1,313	1,224	935	273	0	0	5,565
2022	0	0	0	206	646	1,018	1,349	1,258	961	280	0	0	5,718
2023	0	0	0	212	664	1,046	1,387	1,293	987	288	0	0	5,876
2024	0	0	0	217	682	1,075	1,425	1,328	1,014	296	0	0	6,038
2025	0	0	0	223	701	1,104	1,464	1,365	1,042	304	0	0	6,205
2026	0	0	0	230	720	1,135	1,505	1,403	1,071	312	0	0	6,376
2027	0	0	0	236	740	1,166	1,546	1,441	1,101	321	0	0	6,552
2028	0	0	0	242	761	1,198	1,589	1,481	1,131	330	0	0	6,732
2029	0	0	0	249	782	1,231	1,633	1,522	1,162	339	0	0	6,918
2030	0	0	0	256	803	1,265	1,678	1,564	1,194	348	0	0	7,109
2031	0	0	0	261	820	1,291	1,712	1,596	1,218	355	0	0	7,253
2032	0	0	0	266	836	1,317	1,746	1,628	1,243	363	0	0	7,400
2033	0	0	0	272	853	1,344	1,782	1,661	1,268	370	0	0	7,550
2034	0	0	0	277	870	1,371	1,818	1,695	1,294	377	0	0	7,703
2035	0	0	0	283	888	1,399	1,855	1,729	1,320	385	0	0	7,859
2036	0	0	0	289	906	1,427	1,892	1,764	1,347	393	0	0	8,019
2037	0	0	0	295	924	1,456	1,931	1,800	1,374	401	0	0	8,181
2038	0	0	0	300	943	1,486	1,970	1,836	1,402	409	0	0	8,347
2039	0	0	0	307	962	1,516	2,010	1,874	1,431	417	0	0	8,516
2040	0	0	0	313	982	1,547	2,050	1,911	1,460	426	0	0	8,688
2041	0	0	0	315	990	1,559	2,068	1,927	1,472	429	0	0	8,761
2042	0	0	0	318	998	1,572	2,085	1,943	1,484	433	0	0	8,834
2043	0	0	0	321	1,007	1,586	2,102	1,960	1,496	436	0	0	8,908
2044	0	0	0	323	1,015	1,599	2,120	1,976	1,509	440	0	0	8,982
2045	0	0	0	326	1,023	1,612	2,137	1,992	1,521	444	0	0	9,056
2046	0	0	0	329	1,032	1,625	2,155	2,009	1,534	447	0	0	9,132
2047	0	0	0	331	1,040	1,639	2,173	2,026	1,547	451	0	0	9,208
2048	0	0	0	334	1,049	1,653	2,191	2,043	1,560	455	0	0	9,284
2049	0	0	0	337	1,058	1,666	2,209	2,060	1,573	459	0	0	9,361
2050	0	0	0	340	1,067	1,680	2,228	2,077	1,586	463	0	0	9,439
2051	0	0	0	344	1,080	1,702	2,257	2,104	1,606	469	0	0	9,562
2052	0	0	0	349	1,094	1,724	2,286	2,131	1,627	475	0	0	9,686
2053	0	0	0	353	1,109	1,746	2,315	2,158	1,648	481	0	0	9,811
2054	0	0	0	358	1,123	1,769	2,345	2,186	1,670	487	0	0	9,938
2055	0	0	0	362	1,138	1,792	2,376	2,215	1,691	493	0	0	10,067
2056	0	0	0	367	1,152	1,815	2,407	2,243	1,713	500	0	0	10,198
2057	0	0	0	372	1,167	1,839	2,438	2,273	1,735	506	0	0	10,330
2058	0	0	0	377	1,182	1,862	2,469	2,302	1,758	513	0	0	10,463
2059	0	0	0	382	1,198	1,887	2,501	2,332	1,781	519	0	0	10,599
2060	0	0	0	386	1,213	1,911	2,534	2,362	1,804	526	0	0	10,736
2061	0	0	0	389	1,222	1,926	2,553	2,380	1,817	530	0	0	10,818
2062	0	0	0	392	1,232	1,940	2,573	2,398	1,831	534	0	0	10,901
2063	0	0	0	395	1,241	1,955	2,592	2,417	1,845	538	0	0	10,984
2064	0	0	0	398	1,251	1,970	2,612	2,435	1,859	542	0	0	11,068
2065	0	0	0	401	1,260	1,985	2,632	2,454	1,874	546	0	0	11,153

Springville Table 15

Springville													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	371	335	382	522	964	1,323	1,628	1,533	1,222	602	346	353	9,582
2018	385	348	397	543	1,005	1,380	1,698	1,599	1,275	627	359	366	9,981
2019	400	361	412	565	1,047	1,439	1,771	1,668	1,329	653	373	380	10,397
2020	415	375	428	588	1,091	1,500	1,847	1,739	1,386	680	387	395	10,831
2021	425	384	438	602	1,119	1,539	1,895	1,785	1,422	696	396	404	11,106
2022	435	393	448	617	1,148	1,579	1,945	1,831	1,459	714	405	413	11,387
2023	445	402	459	632	1,178	1,620	1,996	1,879	1,497	732	415	423	11,676
2024	455	411	469	648	1,208	1,662	2,048	1,929	1,536	750	424	433	11,973
2025	466	421	480	664	1,239	1,706	2,102	1,979	1,576	769	434	443	12,278
2026	477	431	491	680	1,271	1,750	2,157	2,031	1,618	788	444	453	12,591
2027	488	441	503	697	1,303	1,796	2,214	2,085	1,660	807	455	464	12,912
2028	499	451	515	714	1,337	1,843	2,272	2,140	1,703	828	465	474	13,241
2029	511	461	527	732	1,372	1,891	2,332	2,196	1,748	848	476	486	13,580
2030	523	472	539	750	1,407	1,940	2,394	2,254	1,794	870	487	497	13,927
2031	532	480	548	764	1,433	1,977	2,440	2,297	1,828	886	496	505	14,186
2032	541	488	557	778	1,460	2,015	2,487	2,341	1,863	902	504	514	14,450
2033	550	497	567	792	1,488	2,054	2,535	2,386	1,899	918	512	523	14,719
2034	559	505	576	806	1,516	2,093	2,583	2,432	1,935	935	521	531	14,994
2035	569	514	586	821	1,545	2,133	2,633	2,479	1,972	952	530	540	15,273
2036	578	522	596	835	1,574	2,174	2,684	2,527	2,010	970	539	550	15,558
2037	588	531	606	851	1,603	2,215	2,736	2,575	2,049	987	548	559	15,849
2038	598	540	616	866	1,634	2,258	2,789	2,625	2,088	1,005	557	568	16,145
2039	608	549	627	882	1,664	2,301	2,843	2,676	2,128	1,024	567	578	16,447
2040	619	559	638	898	1,696	2,345	2,897	2,727	2,169	1,043	576	588	16,754
2041	622	562	641	904	1,708	2,363	2,920	2,748	2,185	1,050	580	591	16,874
2042	626	565	645	910	1,721	2,380	2,942	2,769	2,202	1,057	583	595	16,996
2043	630	569	649	916	1,733	2,398	2,964	2,790	2,218	1,064	587	598	17,118
2044	633	572	653	922	1,746	2,416	2,987	2,811	2,235	1,072	590	602	17,241
2045	637	576	657	929	1,759	2,434	3,010	2,833	2,252	1,079	594	606	17,365
2046	641	579	661	935	1,772	2,453	3,033	2,854	2,269	1,087	597	609	17,489
2047	645	582	665	941	1,785	2,471	3,056	2,876	2,286	1,094	601	613	17,615
2048	649	586	669	948	1,798	2,490	3,079	2,898	2,303	1,102	604	616	17,741
2049	653	589	672	954	1,811	2,508	3,103	2,920	2,321	1,109	608	620	17,869
2050	656	593	676	961	1,824	2,527	3,126	2,942	2,338	1,117	612	624	17,997
2051	663	599	683	971	1,846	2,558	3,164	2,978	2,367	1,130	618	630	18,208
2052	670	605	691	982	1,868	2,589	3,203	3,015	2,395	1,143	624	637	18,422
2053	677	611	698	993	1,890	2,620	3,242	3,051	2,424	1,156	631	643	18,638
2054	684	618	705	1,005	1,913	2,652	3,282	3,089	2,454	1,169	637	650	18,856
2055	691	624	712	1,016	1,935	2,684	3,322	3,126	2,483	1,182	644	657	19,078
2056	698	631	720	1,027	1,958	2,716	3,363	3,164	2,514	1,196	651	664	19,301
2057	706	637	727	1,039	1,982	2,749	3,404	3,203	2,544	1,210	657	670	19,528
2058	713	644	735	1,051	2,005	2,782	3,445	3,242	2,575	1,224	664	677	19,757
2059	720	650	742	1,063	2,029	2,816	3,487	3,282	2,606	1,238	671	684	19,989
2060	728	657	750	1,075	2,053	2,850	3,530	3,322	2,638	1,252	678	692	20,224
2061	732	661	754	1,081	2,067	2,870	3,555	3,345	2,656	1,260	682	695	20,358
2062	736	664	758	1,088	2,081	2,890	3,580	3,368	2,675	1,268	686	699	20,492
2063	740	668	762	1,095	2,095	2,910	3,605	3,392	2,693	1,276	689	703	20,627
2064	744	672	766	1,102	2,109	2,930	3,630	3,416	2,712	1,284	693	707	20,764
2065	748	675	771	1,109	2,123	2,950	3,656	3,440	2,731	1,292	697	711	20,901

Springville Table 16

Springville													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	371	335	382	351	428	479	508	489	425	370	346	353	4,837
2018	384	347	396	363	443	496	526	507	440	383	358	365	5,007
2019	398	359	410	376	459	513	544	524	456	397	371	378	5,185
2020	412	372	424	389	475	531	564	543	472	411	384	391	5,369
2021	420	379	432	397	484	541	574	553	481	418	391	399	5,470
2022	428	386	441	404	493	552	585	564	490	426	398	406	5,574
2023	436	393	449	412	503	562	596	574	499	434	406	414	5,679
2024	444	401	457	420	512	573	608	585	509	443	414	422	5,787
2025	452	409	466	428	522	584	619	597	518	451	422	430	5,897
2026	461	416	475	436	532	595	631	608	528	460	430	438	6,010
2027	470	424	484	444	542	606	643	620	539	468	438	446	6,125
2028	479	432	494	453	553	618	656	632	549	478	446	455	6,243
2029	488	441	503	462	563	630	668	644	559	487	455	464	6,364
2030	498	449	513	470	574	642	681	656	570	496	464	473	6,487
2031	505	456	520	477	583	651	691	666	578	503	470	480	6,580
2032	512	462	528	484	591	661	701	675	587	510	477	486	6,674
2033	519	469	535	491	599	670	711	685	595	518	484	493	6,770
2034	527	476	543	498	608	680	721	695	604	525	491	501	6,867
2035	534	483	551	505	617	689	731	705	612	533	498	508	6,966
2036	542	489	559	512	626	699	742	715	621	540	505	515	7,066
2037	550	497	567	520	635	709	753	725	630	548	512	522	7,168
2038	558	504	575	527	644	720	764	736	639	556	520	530	7,272
2039	566	511	583	535	653	730	775	746	649	564	527	538	7,377
2040	574	518	592	543	663	741	786	757	658	572	535	546	7,484
2041	577	521	594	545	666	744	790	761	661	575	538	548	7,520
2042	580	523	597	548	669	748	793	764	664	578	540	551	7,557
2043	582	526	600	551	672	752	797	768	668	581	543	553	7,593
2044	585	529	603	553	676	755	801	772	671	584	545	556	7,630
2045	588	531	606	556	679	759	805	776	674	586	548	559	7,667
2046	591	534	609	559	682	763	809	779	677	589	551	562	7,704
2047	594	536	612	561	685	766	813	783	681	592	553	564	7,741
2048	597	539	615	564	689	770	817	787	684	595	556	567	7,779
2049	600	541	618	567	692	774	821	791	687	598	559	570	7,816
2050	602	544	621	570	695	777	825	795	691	601	561	573	7,854
2051	608	549	627	575	702	785	832	802	697	606	567	578	7,927
2052	614	554	632	580	708	792	840	809	703	612	572	583	8,000
2053	619	559	638	586	715	799	848	817	710	617	577	588	8,073
2054	625	564	644	591	721	806	856	824	716	623	582	594	8,148
2055	631	570	650	596	728	814	863	832	723	629	588	599	8,223
2056	637	575	656	602	735	821	871	839	730	635	593	605	8,299
2057	642	580	662	607	742	829	879	847	736	641	599	610	8,375
2058	648	586	668	613	748	837	888	855	743	647	604	616	8,453
2059	654	591	674	619	755	844	896	863	750	652	610	622	8,531
2060	660	596	681	624	762	852	904	871	757	659	615	628	8,610
2061	663	599	683	627	765	856	908	874	760	661	618	630	8,645
2062	666	601	686	630	769	859	911	878	763	664	620	633	8,680
2063	669	604	689	632	772	863	915	882	766	667	623	635	8,716
2064	671	606	692	635	775	866	919	885	769	669	625	638	8,751
2065	674	609	695	637	778	870	923	889	773	672	628	640	8,787

Springville Table 17

Springville													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	171	536	845	1,120	1,044	797	233	0	0	4,745
2018	0	0	0	176	554	872	1,157	1,078	823	240	0	0	4,901
2019	0	0	0	182	572	901	1,194	1,114	850	248	0	0	5,061
2020	0	0	0	188	591	930	1,234	1,150	878	256	0	0	5,227
2021	0	0	0	190	597	940	1,246	1,162	887	259	0	0	5,282
2022	0	0	0	192	603	950	1,259	1,174	896	261	0	0	5,336
2023	0	0	0	194	609	960	1,272	1,186	906	264	0	0	5,391
2024	0	0	0	196	615	969	1,285	1,198	915	267	0	0	5,446
2025	0	0	0	198	622	979	1,298	1,210	924	270	0	0	5,501
2026	0	0	0	200	628	989	1,312	1,223	934	272	0	0	5,557
2027	0	0	0	202	634	999	1,325	1,235	943	275	0	0	5,613
2028	0	0	0	204	641	1,009	1,338	1,247	952	278	0	0	5,670
2029	0	0	0	206	647	1,019	1,351	1,260	962	281	0	0	5,726
2030	0	0	0	208	653	1,029	1,365	1,272	972	283	0	0	5,783
2031	0	0	0	210	660	1,039	1,378	1,285	981	286	0	0	5,839
2032	0	0	0	212	666	1,049	1,391	1,297	990	289	0	0	5,895
2033	0	0	0	214	673	1,059	1,405	1,309	1,000	292	0	0	5,952
2034	0	0	0	216	679	1,070	1,418	1,322	1,010	294	0	0	6,009
2035	0	0	0	218	686	1,080	1,432	1,335	1,019	297	0	0	6,067
2036	0	0	0	220	692	1,090	1,445	1,347	1,029	300	0	0	6,125
2037	0	0	0	223	699	1,101	1,459	1,360	1,039	303	0	0	6,183
2038	0	0	0	225	705	1,111	1,473	1,373	1,049	306	0	0	6,243
2039	0	0	0	227	712	1,122	1,487	1,386	1,059	309	0	0	6,302
2040	0	0	0	229	719	1,132	1,501	1,400	1,069	312	0	0	6,362
2041	0	0	0	230	722	1,137	1,508	1,405	1,073	313	0	0	6,388
2042	0	0	0	231	725	1,142	1,514	1,411	1,077	314	0	0	6,414
2043	0	0	0	232	728	1,146	1,520	1,417	1,082	316	0	0	6,440
2044	0	0	0	233	731	1,151	1,526	1,422	1,086	317	0	0	6,466
2045	0	0	0	234	734	1,156	1,532	1,428	1,091	318	0	0	6,492
2046	0	0	0	235	737	1,160	1,538	1,434	1,095	319	0	0	6,518
2047	0	0	0	236	740	1,165	1,544	1,440	1,099	321	0	0	6,544
2048	0	0	0	237	742	1,170	1,551	1,446	1,104	322	0	0	6,571
2049	0	0	0	238	745	1,174	1,557	1,451	1,108	323	0	0	6,597
2050	0	0	0	238	749	1,179	1,563	1,457	1,113	325	0	0	6,624
2051	0	0	0	241	755	1,189	1,577	1,470	1,123	327	0	0	6,682
2052	0	0	0	243	762	1,200	1,591	1,483	1,132	330	0	0	6,740
2053	0	0	0	245	768	1,210	1,604	1,496	1,142	333	0	0	6,798
2054	0	0	0	247	775	1,221	1,618	1,509	1,152	336	0	0	6,857
2055	0	0	0	249	782	1,231	1,632	1,522	1,162	339	0	0	6,917
2056	0	0	0	251	788	1,242	1,647	1,535	1,172	342	0	0	6,977
2057	0	0	0	253	795	1,253	1,661	1,548	1,182	345	0	0	7,038
2058	0	0	0	256	802	1,264	1,675	1,562	1,193	348	0	0	7,099
2059	0	0	0	258	809	1,275	1,690	1,575	1,203	351	0	0	7,161
2060	0	0	0	260	816	1,286	1,705	1,589	1,213	354	0	0	7,223
2061	0	0	0	261	818	1,289	1,709	1,593	1,216	355	0	0	7,240
2062	0	0	0	261	820	1,292	1,713	1,596	1,219	356	0	0	7,257
2063	0	0	0	262	822	1,295	1,717	1,600	1,222	356	0	0	7,274
2064	0	0	0	262	824	1,298	1,721	1,604	1,225	357	0	0	7,291
2065	0	0	0	263	826	1,301	1,725	1,608	1,228	358	0	0	7,308

Springville Table 18

Springville													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	371	335	382	522	964	1,323	1,628	1,533	1,222	602	346	353	9,582
2018	384	347	396	540	997	1,368	1,682	1,585	1,264	623	358	365	9,908
2019	398	359	410	558	1,031	1,414	1,739	1,638	1,306	645	371	378	10,246
2020	412	372	424	578	1,066	1,462	1,797	1,693	1,350	667	384	391	10,597
2021	420	379	432	587	1,081	1,482	1,821	1,715	1,368	677	391	399	10,752
2022	428	386	441	596	1,096	1,501	1,845	1,738	1,386	688	398	406	10,910
2023	436	393	449	606	1,112	1,522	1,869	1,760	1,405	699	406	414	11,070
2024	444	401	457	616	1,128	1,542	1,893	1,784	1,424	709	414	422	11,233
2025	452	409	466	626	1,144	1,563	1,918	1,807	1,443	721	422	430	11,399
2026	461	416	475	636	1,160	1,584	1,943	1,831	1,462	732	430	438	11,567
2027	470	424	484	646	1,177	1,605	1,968	1,855	1,482	744	438	446	11,739
2028	479	432	494	657	1,193	1,627	1,994	1,879	1,501	755	446	455	11,913
2029	488	441	503	668	1,210	1,649	2,020	1,903	1,521	767	455	464	12,090
2030	498	449	513	679	1,228	1,671	2,046	1,928	1,542	779	464	473	12,270
2031	505	456	520	687	1,242	1,691	2,069	1,950	1,559	789	470	480	12,418
2032	512	462	528	696	1,257	1,710	2,092	1,972	1,577	799	477	486	12,569
2033	519	469	535	705	1,272	1,729	2,115	1,994	1,595	809	484	493	12,721
2034	527	476	543	714	1,287	1,749	2,139	2,017	1,613	820	491	501	12,876
2035	534	483	551	724	1,302	1,769	2,163	2,039	1,632	830	498	508	13,032
2036	542	489	559	733	1,318	1,790	2,187	2,062	1,650	841	505	515	13,191
2037	550	497	567	742	1,333	1,810	2,212	2,085	1,669	851	512	522	13,352
2038	558	504	575	752	1,349	1,831	2,237	2,109	1,688	862	520	530	13,514
2039	566	511	583	762	1,365	1,852	2,262	2,133	1,707	873	527	538	13,679
2040	574	518	592	772	1,382	1,873	2,287	2,157	1,727	884	535	546	13,846
2041	577	521	594	775	1,388	1,881	2,297	2,166	1,734	888	538	548	13,908
2042	580	523	597	779	1,394	1,890	2,307	2,175	1,742	892	540	551	13,970
2043	582	526	600	783	1,400	1,898	2,317	2,185	1,749	896	543	553	14,033
2044	585	529	603	786	1,406	1,906	2,327	2,194	1,757	900	545	556	14,095
2045	588	531	606	790	1,412	1,914	2,337	2,204	1,765	904	548	559	14,159
2046	591	534	609	793	1,419	1,923	2,347	2,213	1,772	909	551	562	14,222
2047	594	536	612	797	1,425	1,931	2,357	2,223	1,780	913	553	564	14,286
2048	597	539	615	801	1,431	1,940	2,368	2,232	1,788	917	556	567	14,350
2049	600	541	618	804	1,438	1,948	2,378	2,242	1,796	921	559	570	14,414
2050	602	544	621	808	1,444	1,956	2,388	2,252	1,803	925	561	573	14,478
2051	608	549	627	815	1,457	1,974	2,409	2,272	1,819	934	567	578	14,608
2052	614	554	632	823	1,470	1,991	2,431	2,292	1,836	942	572	583	14,739
2053	619	559	638	830	1,483	2,009	2,452	2,312	1,852	951	577	588	14,872
2054	625	564	644	838	1,496	2,027	2,474	2,333	1,868	959	582	594	15,005
2055	631	570	650	845	1,510	2,045	2,496	2,354	1,885	968	588	599	15,140
2056	637	575	656	853	1,523	2,063	2,518	2,374	1,902	977	593	605	15,276
2057	642	580	662	861	1,537	2,082	2,540	2,396	1,919	985	599	610	15,413
2058	648	586	668	869	1,551	2,100	2,563	2,417	1,936	994	604	616	15,552
2059	654	591	674	877	1,564	2,119	2,586	2,438	1,953	1,003	610	622	15,692
2060	660	596	681	884	1,579	2,138	2,609	2,460	1,970	1,012	615	628	15,833
2061	663	599	683	888	1,584	2,144	2,616	2,467	1,976	1,016	618	630	15,885
2062	666	601	686	891	1,589	2,151	2,624	2,475	1,982	1,019	620	633	15,937
2063	669	604	689	894	1,594	2,157	2,632	2,482	1,988	1,023	623	635	15,989
2064	671	606	692	897	1,599	2,164	2,640	2,489	1,994	1,027	625	638	16,042
2065	674	609	695	900	1,604	2,170	2,647	2,497	2,000	1,030	628	640	16,095

Springville Table 19

Springville													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	831	750	842	796	888	923	967	948	870	830	791	812	10,247
2017	444	401	443	430	441	424	438	439	427	444	430	445	5,206
2018	441	398	440	427	438	420	434	435	423	441	428	442	5,168
2019	438	396	437	424	435	417	430	431	420	438	425	439	5,129
2020	435	393	434	421	431	412	425	427	416	435	422	436	5,088
2021	433	391	432	420	429	410	423	424	414	433	420	434	5,062
2022	431	389	430	418	426	407	420	421	412	431	418	432	5,036
2023	429	387	428	416	424	405	417	419	409	429	416	431	5,010
2024	427	386	426	414	422	402	414	416	407	427	414	429	4,982
2025	425	384	424	412	419	399	411	413	404	425	412	426	4,954
2026	422	382	421	410	416	396	408	410	402	423	410	424	4,925
2027	420	380	419	408	414	393	405	407	399	420	408	422	4,896
2028	418	377	417	405	411	390	402	404	397	418	406	420	4,865
2029	415	375	414	403	408	387	399	401	394	416	404	418	4,834
2030	413	373	412	401	406	384	395	398	391	413	401	415	4,802
2031	411	371	410	399	404	382	393	395	389	411	400	414	4,779
2032	409	370	408	397	401	380	390	393	387	410	398	412	4,755
2033	408	368	406	396	399	377	388	391	385	408	396	410	4,731
2034	406	366	404	394	397	375	385	388	383	406	395	408	4,706
2035	404	365	402	392	395	372	383	385	380	404	393	407	4,681
2036	402	363	400	390	393	370	380	383	378	402	391	405	4,656
2037	400	361	398	388	390	367	377	380	376	400	389	403	4,630
2038	398	359	396	386	388	364	374	378	374	398	387	401	4,603
2039	396	357	394	384	386	362	372	375	371	396	385	399	4,576
2040	394	355	391	382	383	359	369	372	369	394	383	397	4,549
2041	393	355	391	382	382	358	368	371	368	393	383	396	4,539
2042	392	354	390	381	381	357	367	370	367	392	382	395	4,529
2043	391	353	389	380	381	356	366	369	366	392	381	395	4,519
2044	391	353	388	380	380	355	365	368	365	391	380	394	4,509
2045	390	352	388	379	379	354	363	367	364	390	380	393	4,499
2046	389	351	387	378	378	353	362	366	364	389	379	393	4,489
2047	388	351	386	377	377	352	361	365	363	388	378	392	4,479
2048	387	350	385	377	376	351	360	364	362	388	378	391	4,469
2049	387	349	384	376	375	350	359	363	361	387	377	390	4,459
2050	386	349	384	375	374	349	358	362	360	386	376	390	4,448
2051	384	347	382	374	373	347	356	360	358	385	375	388	4,430
2052	383	346	381	372	371	346	354	358	357	383	374	387	4,412
2053	382	345	379	371	369	344	352	356	355	382	372	386	4,394
2054	380	343	378	370	368	342	350	355	354	380	371	384	4,375
2055	379	342	376	368	366	340	348	353	352	379	370	383	4,356
2056	377	341	375	367	364	338	346	351	350	378	368	382	4,337
2057	376	340	373	366	363	336	344	349	349	376	367	380	4,318
2058	374	338	372	364	361	334	342	347	347	375	365	379	4,299
2059	373	337	370	363	359	332	340	345	345	373	364	377	4,279
2060	371	335	369	361	358	330	338	343	343	372	363	376	4,259
2061	371	335	368	361	357	329	337	342	342	371	362	375	4,249
2062	370	334	367	360	356	328	336	341	342	370	361	374	4,238
2063	369	333	366	359	355	327	335	340	341	369	360	374	4,228
2064	368	333	365	358	354	326	334	339	340	368	360	373	4,217
2065	367	332	364	358	353	325	333	337	339	368	359	372	4,206

Springville Table 20

Springville													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	282	407	780	618	620	252	137	0	0	3,097
2017	0	0	0	112	-129	-65	-502	-424	-545	-96	0	0	-1,648
2018	0	0	0	104	-153	-103	-553	-471	-581	-106	0	0	-1,862
2019	0	0	0	96	-178	-142	-605	-520	-618	-117	0	0	-2,085
2020	0	0	1	413	141	75	-460	-362	-495	34	0	0	-653
2021	0	0	2	610	338	208	-370	-264	-420	128	0	0	231
2022	0	0	2	812	541	345	-279	-165	-342	223	0	0	1,137
2023	0	0	3	1,019	748	486	-185	-63	-263	322	0	0	2,066
2024	0	0	4	1,231	961	630	-89	41	-182	422	0	0	3,018
2025	0	0	4	1,644	1,795	1,747	1,295	1,347	817	793	0	0	9,442
2026	0	0	5	1,867	2,018	1,899	1,396	1,457	902	899	0	0	10,443
2027	0	0	6	2,096	2,248	2,054	1,499	1,569	990	1,007	0	0	11,469
2028	0	0	7	2,331	2,483	2,213	1,605	1,684	1,080	1,118	0	0	12,520
2029	0	0	7	2,571	2,724	2,376	1,713	1,802	1,172	1,233	0	0	13,598
2030	0	0	8	2,818	2,971	2,543	1,824	1,923	1,266	1,350	0	0	14,704
2031	0	0	9	2,998	3,152	2,665	1,905	2,011	1,334	1,435	0	0	15,510
2032	0	0	9	3,182	3,336	2,789	1,987	2,100	1,404	1,523	0	0	16,330
2033	0	0	10	3,370	3,524	2,915	2,070	2,191	1,475	1,611	0	0	17,165
2034	0	0	11	3,560	3,714	3,043	2,155	2,284	1,547	1,702	0	0	18,016
2035	0	0	11	3,598	3,743	3,050	2,145	2,277	1,542	1,715	0	0	18,080
2036	0	0	11	3,592	3,725	3,021	2,107	2,242	1,515	1,708	0	0	17,921
2037	0	0	11	3,586	3,706	2,992	2,069	2,206	1,488	1,700	0	0	17,758
2038	0	0	11	3,580	3,688	2,963	2,029	2,170	1,460	1,692	0	0	17,593
2039	0	0	11	3,574	3,668	2,933	1,990	2,132	1,432	1,683	0	0	17,423
2040	0	0	11	3,568	3,649	2,902	1,949	2,095	1,403	1,675	0	0	17,251
2041	0	0	11	3,565	3,641	2,889	1,932	2,079	1,390	1,671	0	0	17,179
2042	0	0	11	3,563	3,632	2,876	1,915	2,063	1,378	1,668	0	0	17,105
2043	0	0	11	3,560	3,624	2,863	1,897	2,046	1,366	1,664	0	0	17,032
2044	0	0	11	3,557	3,616	2,850	1,880	2,030	1,353	1,661	0	0	16,958
2045	0	0	11	3,555	3,607	2,837	1,862	2,014	1,341	1,657	0	0	16,883
2046	0	0	11	3,552	3,599	2,823	1,844	1,997	1,328	1,653	0	0	16,808
2047	0	0	11	3,549	3,590	2,810	1,826	1,980	1,315	1,649	0	0	16,732
2048	0	0	11	3,547	3,582	2,796	1,808	1,963	1,302	1,646	0	0	16,655
2049	0	0	11	3,544	3,573	2,782	1,790	1,946	1,290	1,642	0	0	16,578
2050	0	0	11	3,541	3,564	2,768	1,772	1,929	1,276	1,638	0	0	16,500
2051	0	0	11	3,537	3,550	2,747	1,743	1,902	1,256	1,632	0	0	16,378
2052	0	0	11	3,532	3,536	2,725	1,714	1,875	1,235	1,626	0	0	16,254
2053	0	0	11	3,528	3,522	2,702	1,684	1,847	1,214	1,620	0	0	16,128
2054	0	0	11	3,523	3,508	2,680	1,654	1,820	1,193	1,614	0	0	16,001
2055	0	0	11	3,518	3,493	2,657	1,623	1,791	1,171	1,607	0	0	15,872
2056	0	0	11	3,514	3,478	2,634	1,593	1,763	1,149	1,601	0	0	15,742
2057	0	0	11	3,509	3,463	2,610	1,562	1,733	1,127	1,594	0	0	15,610
2058	0	0	11	3,504	3,448	2,586	1,530	1,704	1,104	1,588	0	0	15,476
2059	0	0	11	3,499	3,433	2,562	1,498	1,674	1,082	1,581	0	0	15,341
2060	0	0	11	3,494	3,418	2,538	1,466	1,644	1,059	1,575	0	0	15,204
2061	0	0	11	3,491	3,408	2,523	1,446	1,626	1,045	1,571	0	0	15,121
2062	0	0	11	3,488	3,399	2,508	1,427	1,608	1,031	1,566	0	0	15,039
2063	0	0	11	3,485	3,390	2,493	1,407	1,589	1,017	1,562	0	0	14,955
2064	0	0	11	3,482	3,380	2,479	1,387	1,571	1,003	1,558	0	0	14,871
2065	0	0	11	3,479	3,370	2,463	1,367	1,552	989	1,554	0	0	14,787

Springville Table 21

Springville													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	831	750	842	1,078	1,295	1,703	1,585	1,569	1,122	966	791	812	13,344
2017	444	401	443	542	312	360	-64	15	-118	348	430	445	3,557
2018	441	398	440	531	285	318	-119	-36	-158	335	428	442	3,306
2019	438	396	437	520	256	274	-176	-89	-199	321	425	439	3,044
2020	435	393	435	835	572	487	-34	65	-79	469	422	436	4,435
2021	433	391	434	1,030	767	618	52	160	-6	561	420	434	5,293
2022	431	389	432	1,229	967	753	141	256	69	654	418	432	6,173
2023	429	387	431	1,434	1,172	891	232	356	146	751	416	431	7,075
2024	427	386	429	1,644	1,382	1,032	325	457	225	849	414	429	8,000
2025	425	384	428	2,056	2,214	2,146	1,706	1,760	1,221	1,217	412	426	14,396
2026	422	382	426	2,277	2,435	2,295	1,804	1,867	1,304	1,321	410	424	15,368
2027	420	380	425	2,504	2,662	2,447	1,904	1,976	1,389	1,427	408	422	16,364
2028	418	377	423	2,736	2,894	2,603	2,007	2,088	1,476	1,536	406	420	17,386
2029	415	375	421	2,974	3,133	2,763	2,112	2,203	1,566	1,648	404	418	18,433
2030	413	373	420	3,218	3,377	2,927	2,220	2,321	1,657	1,763	401	415	19,506
2031	411	371	419	3,397	3,556	3,047	2,298	2,406	1,723	1,847	400	414	20,289
2032	409	370	417	3,580	3,738	3,168	2,377	2,493	1,791	1,932	398	412	21,085
2033	408	368	416	3,765	3,923	3,292	2,458	2,582	1,859	2,019	396	410	21,896
2034	406	366	415	3,954	4,112	3,418	2,540	2,672	1,929	2,107	395	408	22,722
2035	404	365	413	3,990	4,138	3,422	2,527	2,662	1,922	2,119	393	407	22,761
2036	402	363	411	3,982	4,117	3,391	2,487	2,625	1,893	2,110	391	405	22,576
2037	400	361	409	3,974	4,097	3,360	2,446	2,586	1,864	2,100	389	403	22,388
2038	398	359	407	3,967	4,076	3,327	2,404	2,547	1,834	2,090	387	401	22,196
2039	396	357	404	3,959	4,054	3,295	2,361	2,507	1,803	2,079	385	399	22,000
2040	394	355	402	3,950	4,032	3,261	2,318	2,467	1,771	2,069	383	397	21,800
2041	393	355	401	3,947	4,023	3,247	2,299	2,450	1,758	2,064	383	396	21,717
2042	392	354	401	3,944	4,014	3,233	2,281	2,433	1,745	2,060	382	395	21,635
2043	391	353	400	3,940	4,005	3,219	2,263	2,415	1,732	2,056	381	395	21,551
2044	391	353	399	3,937	3,995	3,205	2,244	2,398	1,719	2,051	380	394	21,467
2045	390	352	398	3,934	3,986	3,191	2,225	2,381	1,705	2,047	380	393	21,382
2046	389	351	398	3,930	3,977	3,176	2,207	2,363	1,692	2,042	379	393	21,297
2047	388	351	397	3,927	3,967	3,162	2,188	2,345	1,678	2,038	378	392	21,211
2048	387	350	396	3,923	3,958	3,147	2,169	2,327	1,664	2,033	378	391	21,124
2049	387	349	395	3,920	3,948	3,133	2,149	2,309	1,650	2,029	377	390	21,037
2050	386	349	394	3,916	3,938	3,118	2,130	2,291	1,636	2,024	376	390	20,949
2051	384	347	393	3,910	3,923	3,094	2,099	2,263	1,614	2,017	375	388	20,808
2052	383	346	391	3,905	3,907	3,070	2,068	2,233	1,592	2,009	374	387	20,666
2053	382	345	390	3,899	3,891	3,046	2,036	2,204	1,569	2,002	372	386	20,522
2054	380	343	389	3,893	3,875	3,022	2,004	2,174	1,546	1,994	371	384	20,376
2055	379	342	387	3,887	3,859	2,997	1,972	2,144	1,523	1,986	370	383	20,229
2056	377	341	386	3,881	3,843	2,972	1,939	2,113	1,499	1,979	368	382	20,079
2057	376	340	384	3,875	3,826	2,946	1,906	2,082	1,475	1,971	367	380	19,928
2058	374	338	383	3,868	3,809	2,921	1,872	2,051	1,451	1,963	365	379	19,775
2059	373	337	381	3,862	3,792	2,895	1,838	2,019	1,427	1,954	364	377	19,620
2060	371	335	379	3,856	3,775	2,868	1,804	1,987	1,402	1,946	363	376	19,463
2061	371	335	379	3,852	3,765	2,852	1,783	1,968	1,387	1,941	362	375	19,370
2062	370	334	378	3,848	3,755	2,837	1,763	1,948	1,372	1,936	361	374	19,277
2063	369	333	377	3,844	3,744	2,821	1,742	1,929	1,357	1,932	360	374	19,183
2064	368	333	376	3,841	3,734	2,805	1,721	1,909	1,342	1,927	360	373	19,088
2065	367	332	375	3,837	3,723	2,789	1,700	1,890	1,327	1,922	359	372	18,993

Springville Table 22

Springville													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	831	750	842	796	888	923	967	948	870	830	791	812	10,247
2017	460	415	460	445	459	444	459	459	445	460	445	460	5,410
2018	459	415	459	444	459	444	458	458	444	459	444	459	5,403
2019	459	414	458	444	458	443	458	458	443	459	444	459	5,396
2020	458	414	458	443	458	442	457	457	443	458	443	458	5,388
2021	458	413	458	443	457	442	456	457	442	458	443	458	5,384
2022	457	413	457	443	457	441	456	456	442	457	443	457	5,379
2023	457	413	457	442	456	441	455	456	441	457	442	457	5,374
2024	457	412	456	442	456	440	455	455	441	457	442	457	5,369
2025	456	412	456	442	455	440	454	455	441	456	442	456	5,364
2026	456	412	456	441	455	439	454	454	440	456	441	456	5,359
2027	455	411	455	441	454	439	453	453	440	455	441	456	5,354
2028	455	411	455	440	454	438	453	453	439	455	440	455	5,348
2029	454	410	454	440	453	438	452	452	439	454	440	455	5,343
2030	454	410	454	440	453	437	451	452	438	454	440	454	5,337
2031	454	410	453	439	453	437	451	451	438	454	439	454	5,333
2032	453	409	453	439	452	436	451	451	437	453	439	454	5,328
2033	453	409	453	439	452	436	450	450	437	453	439	453	5,324
2034	453	409	452	438	451	435	450	450	437	453	438	453	5,319
2035	452	409	452	438	451	435	449	450	436	452	438	453	5,315
2036	452	408	452	438	451	434	449	449	436	452	438	452	5,310
2037	452	408	451	437	450	434	448	449	435	452	437	452	5,306
2038	451	408	451	437	450	434	448	448	435	451	437	452	5,301
2039	451	407	451	437	449	433	447	448	435	451	437	451	5,296
2040	450	407	450	436	449	433	447	447	434	451	436	451	5,291
2041	450	407	450	436	449	432	446	447	434	450	436	451	5,289
2042	450	407	450	436	449	432	446	447	434	450	436	451	5,287
2043	450	407	450	436	448	432	446	447	434	450	436	451	5,286
2044	450	406	450	436	448	432	446	446	433	450	436	450	5,284
2045	450	406	449	436	448	432	446	446	433	450	436	450	5,282
2046	450	406	449	435	448	432	445	446	433	450	436	450	5,280
2047	450	406	449	435	448	431	445	446	433	450	435	450	5,278
2048	449	406	449	435	448	431	445	446	433	449	435	450	5,277
2049	449	406	449	435	447	431	445	445	433	449	435	450	5,275
2050	449	406	449	435	447	431	445	445	432	449	435	450	5,273
2051	449	405	448	435	447	430	444	445	432	449	435	449	5,270
2052	449	405	448	434	447	430	444	445	432	449	435	449	5,266
2053	448	405	448	434	446	430	444	444	432	448	434	449	5,263
2054	448	405	448	434	446	429	443	444	431	448	434	449	5,260
2055	448	404	447	434	446	429	443	444	431	448	434	448	5,256
2056	448	404	447	433	445	429	443	443	431	448	434	448	5,253
2057	447	404	447	433	445	428	442	443	430	447	433	448	5,249
2058	447	404	447	433	445	428	442	443	430	447	433	448	5,246
2059	447	404	446	433	445	428	441	442	430	447	433	447	5,242
2060	446	403	446	432	444	427	441	442	429	447	433	447	5,239
2061	446	403	446	432	444	427	441	442	429	446	432	447	5,237
2062	446	403	446	432	444	427	441	441	429	446	432	447	5,235
2063	446	403	446	432	444	427	441	441	429	446	432	447	5,233
2064	446	403	445	432	444	427	440	441	429	446	432	447	5,231
2065	446	403	445	432	443	426	440	441	429	446	432	447	5,229

Springville Table 23

Springville													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	282	407	780	618	620	252	137	0	0	3,097
2017	0	0	0	112	-129	-65	-502	-424	-545	-96	0	0	-1,648
2018	0	0	0	104	-153	-103	-553	-471	-581	-106	0	0	-1,862
2019	0	0	0	96	-178	-142	-605	-520	-618	-117	0	0	-2,085
2020	0	0	1	413	141	75	-460	-362	-495	34	0	0	-653
2021	0	0	2	610	338	208	-370	-264	-420	128	0	0	231
2022	0	0	2	812	541	345	-279	-165	-342	223	0	0	1,137
2023	0	0	3	1,019	748	486	-185	-63	-263	322	0	0	2,066
2024	0	0	4	1,231	961	630	-89	41	-182	422	0	0	3,018
2025	0	0	4	1,644	1,795	1,747	1,295	1,347	817	793	0	0	9,442
2026	0	0	5	1,867	2,018	1,899	1,396	1,457	902	899	0	0	10,443
2027	0	0	6	2,096	2,248	2,054	1,499	1,569	990	1,007	0	0	11,469
2028	0	0	7	2,331	2,483	2,213	1,605	1,684	1,080	1,118	0	0	12,520
2029	0	0	7	2,571	2,724	2,376	1,713	1,802	1,172	1,233	0	0	13,598
2030	0	0	8	2,818	2,971	2,543	1,824	1,923	1,266	1,350	0	0	14,704
2031	0	0	9	2,998	3,152	2,665	1,905	2,011	1,334	1,435	0	0	15,510
2032	0	0	9	3,182	3,336	2,789	1,987	2,100	1,404	1,523	0	0	16,330
2033	0	0	10	3,370	3,524	2,915	2,070	2,191	1,475	1,611	0	0	17,165
2034	0	0	11	3,560	3,714	3,043	2,155	2,284	1,547	1,702	0	0	18,016
2035	0	0	11	3,598	3,743	3,050	2,145	2,277	1,542	1,715	0	0	18,080
2036	0	0	11	3,592	3,725	3,021	2,107	2,242	1,515	1,708	0	0	17,921
2037	0	0	11	3,586	3,706	2,992	2,069	2,206	1,488	1,700	0	0	17,758
2038	0	0	11	3,580	3,688	2,963	2,029	2,170	1,460	1,692	0	0	17,593
2039	0	0	11	3,574	3,668	2,933	1,990	2,132	1,432	1,683	0	0	17,423
2040	0	0	11	3,568	3,649	2,902	1,949	2,095	1,403	1,675	0	0	17,251
2041	0	0	11	3,565	3,641	2,889	1,932	2,079	1,390	1,671	0	0	17,179
2042	0	0	11	3,563	3,632	2,876	1,915	2,063	1,378	1,668	0	0	17,105
2043	0	0	11	3,560	3,624	2,863	1,897	2,046	1,366	1,664	0	0	17,032
2044	0	0	11	3,557	3,616	2,850	1,880	2,030	1,353	1,661	0	0	16,958
2045	0	0	11	3,555	3,607	2,837	1,862	2,014	1,341	1,657	0	0	16,883
2046	0	0	11	3,552	3,599	2,823	1,844	1,997	1,328	1,653	0	0	16,808
2047	0	0	11	3,549	3,590	2,810	1,826	1,980	1,315	1,649	0	0	16,732
2048	0	0	11	3,547	3,582	2,796	1,808	1,963	1,302	1,646	0	0	16,655
2049	0	0	11	3,544	3,573	2,782	1,790	1,946	1,290	1,642	0	0	16,578
2050	0	0	11	3,541	3,564	2,768	1,772	1,929	1,276	1,638	0	0	16,500
2051	0	0	11	3,537	3,550	2,747	1,743	1,902	1,256	1,632	0	0	16,378
2052	0	0	11	3,532	3,536	2,725	1,714	1,875	1,235	1,626	0	0	16,254
2053	0	0	11	3,528	3,522	2,702	1,684	1,847	1,214	1,620	0	0	16,128
2054	0	0	11	3,523	3,508	2,680	1,654	1,820	1,193	1,614	0	0	16,001
2055	0	0	11	3,518	3,493	2,657	1,623	1,791	1,171	1,607	0	0	15,872
2056	0	0	11	3,514	3,478	2,634	1,593	1,763	1,149	1,601	0	0	15,742
2057	0	0	11	3,509	3,463	2,610	1,562	1,733	1,127	1,594	0	0	15,610
2058	0	0	11	3,504	3,448	2,586	1,530	1,704	1,104	1,588	0	0	15,476
2059	0	0	11	3,499	3,433	2,562	1,498	1,674	1,082	1,581	0	0	15,341
2060	0	0	11	3,494	3,418	2,538	1,466	1,644	1,059	1,575	0	0	15,204
2061	0	0	11	3,491	3,408	2,523	1,446	1,626	1,045	1,571	0	0	15,121
2062	0	0	11	3,488	3,399	2,508	1,427	1,608	1,031	1,566	0	0	15,039
2063	0	0	11	3,485	3,390	2,493	1,407	1,589	1,017	1,562	0	0	14,955
2064	0	0	11	3,482	3,380	2,479	1,387	1,571	1,003	1,558	0	0	14,871
2065	0	0	11	3,479	3,370	2,463	1,367	1,552	989	1,554	0	0	14,787

Springville Table 24

Springville													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	831	750	842	1,078	1,295	1,703	1,585	1,569	1,122	966	791	812	13,344
2017	460	415	460	556	330	380	-43	36	-100	364	445	460	3,762
2018	459	415	459	548	306	341	-94	-12	-137	353	444	459	3,541
2019	459	414	458	540	280	301	-148	-62	-175	342	444	459	3,311
2020	458	414	459	857	598	517	-3	96	-53	492	443	458	4,736
2021	458	413	459	1,053	795	650	86	192	23	585	443	458	5,615
2022	457	413	459	1,254	997	787	177	291	100	681	443	457	6,516
2023	457	413	460	1,461	1,204	927	270	392	178	779	442	457	7,440
2024	457	412	460	1,673	1,417	1,070	366	496	259	879	442	457	8,387
2025	456	412	460	2,086	2,250	2,187	1,749	1,801	1,258	1,249	442	456	14,806
2026	456	412	461	2,308	2,473	2,338	1,849	1,911	1,343	1,354	441	456	15,802
2027	455	411	461	2,537	2,702	2,493	1,952	2,022	1,430	1,462	441	456	16,822
2028	455	411	461	2,771	2,937	2,651	2,057	2,137	1,519	1,573	440	455	17,869
2029	454	410	462	3,011	3,178	2,814	2,165	2,255	1,610	1,687	440	455	18,941
2030	454	410	462	3,257	3,424	2,980	2,276	2,375	1,704	1,804	440	454	20,040
2031	454	410	462	3,438	3,605	3,101	2,356	2,462	1,772	1,889	439	454	20,842
2032	453	409	463	3,621	3,788	3,225	2,437	2,551	1,841	1,976	439	454	21,658
2033	453	409	463	3,808	3,975	3,351	2,520	2,642	1,912	2,064	439	453	22,489
2034	453	409	463	3,999	4,166	3,479	2,604	2,734	1,983	2,154	438	453	23,335
2035	452	409	463	4,036	4,194	3,485	2,594	2,726	1,978	2,168	438	453	23,395
2036	452	408	462	4,030	4,175	3,456	2,556	2,691	1,951	2,160	438	452	23,231
2037	452	408	462	4,024	4,156	3,426	2,517	2,655	1,923	2,151	437	452	23,064
2038	451	408	462	4,017	4,137	3,396	2,477	2,618	1,895	2,143	437	452	22,893
2039	451	407	461	4,011	4,118	3,366	2,437	2,580	1,866	2,134	437	451	22,719
2040	450	407	461	4,004	4,098	3,335	2,395	2,542	1,837	2,125	436	451	22,542
2041	450	407	461	4,001	4,089	3,322	2,378	2,526	1,824	2,122	436	451	22,468
2042	450	407	461	3,999	4,081	3,308	2,361	2,509	1,812	2,118	436	451	22,393
2043	450	407	461	3,996	4,073	3,295	2,343	2,493	1,799	2,114	436	451	22,318
2044	450	406	460	3,993	4,064	3,282	2,326	2,476	1,787	2,110	436	450	22,242
2045	450	406	460	3,990	4,055	3,268	2,308	2,460	1,774	2,107	436	450	22,165
2046	450	406	460	3,987	4,047	3,255	2,290	2,443	1,761	2,103	436	450	22,088
2047	450	406	460	3,985	4,038	3,241	2,272	2,426	1,748	2,099	435	450	22,010
2048	449	406	460	3,982	4,029	3,227	2,253	2,409	1,735	2,095	435	450	21,932
2049	449	406	460	3,979	4,020	3,213	2,235	2,392	1,722	2,091	435	450	21,853
2050	449	406	460	3,976	4,011	3,199	2,216	2,375	1,709	2,087	435	450	21,773
2051	449	405	459	3,971	3,997	3,177	2,187	2,347	1,688	2,081	435	449	21,647
2052	449	405	459	3,966	3,983	3,155	2,158	2,320	1,667	2,075	435	449	21,520
2053	448	405	459	3,962	3,968	3,132	2,128	2,292	1,646	2,068	434	449	21,391
2054	448	405	458	3,957	3,954	3,109	2,097	2,263	1,624	2,062	434	449	21,261
2055	448	404	458	3,952	3,939	3,086	2,066	2,235	1,602	2,055	434	448	21,128
2056	448	404	458	3,947	3,924	3,062	2,035	2,206	1,580	2,049	434	448	20,995
2057	447	404	458	3,942	3,909	3,038	2,004	2,176	1,557	2,042	433	448	20,859
2058	447	404	457	3,937	3,893	3,014	1,972	2,147	1,535	2,035	433	448	20,722
2059	447	404	457	3,932	3,878	2,990	1,940	2,116	1,511	2,028	433	447	20,583
2060	446	403	457	3,927	3,862	2,965	1,907	2,086	1,488	2,021	433	447	20,442
2061	446	403	457	3,924	3,852	2,950	1,887	2,068	1,474	2,017	432	447	20,358
2062	446	403	457	3,920	3,843	2,935	1,867	2,049	1,460	2,013	432	447	20,273
2063	446	403	456	3,917	3,833	2,920	1,848	2,031	1,446	2,008	432	447	20,188
2064	446	403	456	3,914	3,824	2,905	1,828	2,012	1,432	2,004	432	447	20,102
2065	446	403	456	3,911	3,814	2,890	1,807	1,993	1,417	2,000	432	447	20,016

Springville Table 25

Springville													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	831	750	842	796	888	923	967	948	870	830	791	812	10,247
2017	460	415	460	445	459	444	459	459	445	460	445	460	5,410
2018	460	416	460	445	460	445	460	460	445	460	445	460	5,417
2019	461	416	461	446	461	446	461	461	446	461	446	461	5,426
2020	462	417	462	447	462	447	462	462	447	462	447	462	5,435
2021	463	418	463	448	463	449	464	464	448	463	448	463	5,455
2022	465	420	465	450	465	451	466	466	450	465	449	464	5,475
2023	466	421	466	451	467	453	468	468	452	466	451	466	5,496
2024	468	423	468	453	469	455	470	470	454	468	453	468	5,517
2025	470	424	470	454	471	457	473	472	456	470	454	469	5,540
2026	471	426	472	456	473	460	475	475	458	471	456	471	5,564
2027	473	428	474	458	475	462	478	477	460	473	458	473	5,588
2028	475	429	476	460	477	465	481	480	462	475	459	475	5,614
2029	477	431	478	462	480	467	483	483	465	477	461	477	5,641
2030	479	433	480	464	482	470	486	485	467	479	463	479	5,668
2031	481	434	481	465	484	472	488	487	469	481	465	480	5,686
2032	482	436	483	466	485	474	490	489	470	482	466	481	5,705
2033	484	437	484	468	487	475	492	491	472	484	467	483	5,724
2034	485	438	486	469	489	477	494	493	474	485	469	484	5,743
2035	487	440	487	470	491	479	496	495	476	487	470	485	5,763
2036	488	441	489	472	493	481	498	497	477	488	472	487	5,784
2037	490	443	491	473	494	483	501	499	479	490	473	488	5,805
2038	492	444	493	475	496	486	503	501	481	492	475	490	5,827
2039	493	446	494	477	498	488	505	504	483	493	476	492	5,849
2040	495	447	496	478	500	490	508	506	485	495	478	493	5,873
2041	496	448	497	479	501	491	509	507	486	496	479	494	5,882
2042	497	449	498	480	502	492	510	508	487	497	479	495	5,892
2043	497	449	499	481	503	493	511	509	488	497	480	496	5,903
2044	498	450	499	481	504	494	512	510	489	498	481	496	5,913
2045	499	451	500	482	505	495	513	511	490	499	482	497	5,923
2046	500	451	501	483	506	496	514	512	491	500	482	498	5,934
2047	501	452	502	484	507	497	515	513	492	500	483	499	5,944
2048	501	453	503	484	508	498	516	514	492	501	484	499	5,955
2049	502	454	504	485	509	499	517	515	493	502	485	500	5,966
2050	503	454	504	486	510	500	519	517	494	503	485	501	5,977
2051	504	455	505	487	511	502	520	518	496	504	486	502	5,990
2052	505	456	506	488	512	503	521	519	497	505	487	503	6,003
2053	506	457	508	489	513	504	523	521	498	506	488	504	6,016
2054	507	458	509	490	514	506	524	522	499	507	489	505	6,030
2055	508	459	510	491	516	507	526	523	500	508	490	506	6,044
2056	509	460	511	492	517	508	527	525	502	509	491	507	6,058
2057	510	461	512	493	518	510	529	526	503	510	492	508	6,072
2058	512	462	513	494	519	511	530	528	504	511	493	509	6,087
2059	513	463	514	495	521	513	532	529	505	513	494	510	6,102
2060	514	464	515	496	522	514	533	531	507	514	495	511	6,117
2061	515	465	517	497	523	516	535	532	508	515	496	512	6,131
2062	516	466	518	498	525	517	536	534	509	516	497	513	6,146
2063	517	467	519	499	526	519	538	535	511	517	498	514	6,160
2064	518	468	520	500	527	520	539	537	512	518	500	515	6,175
2065	519	469	521	501	528	522	541	538	513	519	501	517	6,190

Springville Table 26

Springville													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	282	407	780	618	620	252	137	0	0	3,097
2017	0	0	0	112	-129	-65	-502	-424	-545	-96	0	0	-1,648
2018	0	0	0	106	-147	-92	-539	-458	-571	-103	0	0	-1,804
2019	0	0	0	100	-165	-121	-577	-493	-598	-111	0	0	-1,964
2020	0	0	1	420	162	108	-415	-320	-464	43	0	0	-465
2021	0	0	2	620	370	259	-304	-202	-372	141	0	0	514
2022	0	0	2	825	584	413	-189	-81	-278	242	0	0	1,519
2023	0	0	3	1,036	803	572	-71	44	-181	345	0	0	2,551
2024	0	0	4	1,252	1,028	735	50	172	-82	451	0	0	3,610
2025	0	0	4	1,670	1,874	1,872	1,461	1,502	935	827	0	0	10,145
2026	0	0	5	1,897	2,111	2,044	1,589	1,637	1,040	939	0	0	11,261
2027	0	0	6	2,130	2,354	2,221	1,720	1,775	1,148	1,053	0	0	12,407
2028	0	0	7	2,369	2,603	2,402	1,856	1,918	1,258	1,171	0	0	13,583
2029	0	0	7	2,614	2,859	2,588	1,995	2,064	1,372	1,291	0	0	14,790
2030	0	0	8	2,865	3,121	2,779	2,137	2,215	1,489	1,415	0	0	16,029
2031	0	0	9	3,049	3,312	2,916	2,239	2,322	1,572	1,505	0	0	16,924
2032	0	0	9	3,236	3,506	3,057	2,342	2,431	1,657	1,596	0	0	17,835
2033	0	0	10	3,427	3,704	3,199	2,447	2,543	1,743	1,690	0	0	18,764
2034	0	0	11	3,621	3,906	3,345	2,555	2,656	1,831	1,785	0	0	19,710
2035	0	0	11	3,662	3,945	3,369	2,568	2,671	1,843	1,803	0	0	19,873
2036	0	0	11	3,660	3,939	3,358	2,554	2,659	1,833	1,800	0	0	19,815
2037	0	0	11	3,658	3,932	3,348	2,540	2,646	1,823	1,798	0	0	19,756
2038	0	0	11	3,656	3,925	3,337	2,526	2,633	1,813	1,795	0	0	19,697
2039	0	0	11	3,654	3,919	3,327	2,512	2,620	1,803	1,792	0	0	19,637
2040	0	0	11	3,652	3,912	3,316	2,498	2,606	1,793	1,789	0	0	19,577
2041	0	0	11	3,651	3,909	3,312	2,492	2,601	1,789	1,788	0	0	19,552
2042	0	0	11	3,650	3,906	3,307	2,486	2,595	1,785	1,786	0	0	19,526
2043	0	0	11	3,649	3,903	3,302	2,480	2,589	1,780	1,785	0	0	19,500
2044	0	0	11	3,648	3,900	3,298	2,473	2,584	1,776	1,784	0	0	19,474
2045	0	0	11	3,647	3,897	3,293	2,467	2,578	1,772	1,783	0	0	19,448
2046	0	0	11	3,646	3,894	3,288	2,461	2,572	1,767	1,781	0	0	19,421
2047	0	0	11	3,645	3,891	3,284	2,455	2,566	1,763	1,780	0	0	19,395
2048	0	0	11	3,644	3,888	3,279	2,449	2,560	1,758	1,779	0	0	19,369
2049	0	0	11	3,643	3,885	3,274	2,442	2,555	1,754	1,777	0	0	19,342
2050	0	0	11	3,642	3,882	3,270	2,436	2,549	1,749	1,776	0	0	19,315
2051	0	0	11	3,640	3,876	3,259	2,422	2,536	1,740	1,773	0	0	19,258
2052	0	0	11	3,638	3,869	3,249	2,409	2,523	1,730	1,770	0	0	19,200
2053	0	0	11	3,636	3,863	3,239	2,395	2,510	1,720	1,767	0	0	19,141
2054	0	0	11	3,634	3,856	3,228	2,381	2,497	1,710	1,765	0	0	19,082
2055	0	0	11	3,632	3,849	3,217	2,367	2,484	1,700	1,762	0	0	19,022
2056	0	0	11	3,630	3,842	3,207	2,353	2,471	1,690	1,759	0	0	18,962
2057	0	0	11	3,627	3,835	3,196	2,338	2,458	1,680	1,756	0	0	18,902
2058	0	0	11	3,625	3,829	3,185	2,324	2,444	1,670	1,753	0	0	18,840
2059	0	0	11	3,623	3,822	3,174	2,309	2,431	1,659	1,750	0	0	18,779
2060	0	0	11	3,621	3,815	3,163	2,295	2,417	1,649	1,747	0	0	18,716
2061	0	0	11	3,620	3,813	3,160	2,291	2,413	1,646	1,746	0	0	18,700
2062	0	0	11	3,620	3,811	3,157	2,287	2,409	1,643	1,745	0	0	18,683
2063	0	0	11	3,619	3,809	3,154	2,283	2,406	1,640	1,744	0	0	18,666
2064	0	0	11	3,618	3,807	3,151	2,279	2,402	1,637	1,743	0	0	18,649
2065	0	0	11	3,618	3,805	3,148	2,275	2,398	1,635	1,743	0	0	18,632

Springville Table 27

Springville													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	831	750	842	1,078	1,295	1,703	1,585	1,569	1,122	966	791	812	13,344
2017	460	415	460	556	330	380	-43	36	-100	364	445	460	3,762
2018	460	416	460	551	314	353	-79	2	-126	357	445	460	3,614
2019	461	416	461	546	296	325	-116	-32	-152	350	446	461	3,462
2020	462	417	463	867	624	555	46	142	-17	505	447	462	4,970
2021	463	418	465	1,068	834	707	160	261	76	604	448	463	5,969
2022	465	420	467	1,275	1,049	864	277	385	172	707	449	464	6,994
2023	466	421	469	1,487	1,270	1,025	397	511	271	812	451	466	8,047
2024	468	423	472	1,705	1,497	1,190	521	642	372	919	453	468	9,127
2025	470	424	474	2,124	2,345	2,330	1,934	1,974	1,391	1,297	454	469	15,685
2026	471	426	477	2,353	2,584	2,504	2,064	2,111	1,498	1,410	456	471	16,825
2027	473	428	480	2,588	2,829	2,683	2,198	2,253	1,608	1,526	458	473	17,995
2028	475	429	482	2,828	3,081	2,867	2,336	2,398	1,721	1,646	459	475	19,197
2029	477	431	485	3,075	3,339	3,055	2,478	2,547	1,837	1,768	461	477	20,431
2030	479	433	488	3,329	3,603	3,249	2,624	2,700	1,956	1,894	463	479	21,698
2031	481	434	490	3,514	3,796	3,388	2,727	2,809	2,041	1,985	465	480	22,610
2032	482	436	492	3,703	3,992	3,530	2,832	2,920	2,127	2,078	466	481	23,540
2033	484	437	494	3,895	4,191	3,675	2,939	3,034	2,215	2,173	467	483	24,487
2034	485	438	497	4,090	4,395	3,822	3,049	3,149	2,305	2,270	469	484	25,453
2035	487	440	498	4,133	4,436	3,848	3,064	3,166	2,319	2,290	470	485	25,636
2036	488	441	500	4,132	4,431	3,840	3,052	3,155	2,311	2,289	472	487	25,598
2037	490	443	502	4,132	4,426	3,831	3,041	3,145	2,303	2,287	473	488	25,561
2038	492	444	503	4,131	4,422	3,823	3,029	3,134	2,295	2,286	475	490	25,524
2039	493	446	505	4,131	4,417	3,815	3,017	3,123	2,287	2,285	476	492	25,487
2040	495	447	507	4,130	4,412	3,806	3,006	3,112	2,279	2,284	478	493	25,450
2041	496	448	508	4,130	4,410	3,803	3,001	3,108	2,275	2,283	479	494	25,434
2042	497	449	508	4,130	4,408	3,799	2,995	3,103	2,272	2,283	479	495	25,418
2043	497	449	509	4,130	4,406	3,796	2,990	3,098	2,268	2,282	480	496	25,402
2044	498	450	510	4,129	4,404	3,792	2,985	3,094	2,265	2,282	481	496	25,387
2045	499	451	511	4,129	4,402	3,788	2,980	3,089	2,261	2,281	482	497	25,371
2046	500	451	512	4,129	4,400	3,785	2,975	3,084	2,258	2,281	482	498	25,355
2047	501	452	513	4,129	4,398	3,781	2,970	3,079	2,254	2,280	483	499	25,339
2048	501	453	513	4,129	4,396	3,777	2,965	3,075	2,251	2,280	484	499	25,324
2049	502	454	514	4,128	4,394	3,774	2,960	3,070	2,247	2,279	485	500	25,308
2050	503	454	515	4,128	4,392	3,770	2,955	3,065	2,244	2,279	485	501	25,292
2051	504	455	516	4,127	4,386	3,761	2,942	3,054	2,235	2,277	486	502	25,247
2052	505	456	517	4,126	4,381	3,752	2,930	3,042	2,227	2,275	487	503	25,203
2053	506	457	518	4,125	4,376	3,743	2,918	3,031	2,218	2,273	488	504	25,157
2054	507	458	519	4,124	4,370	3,734	2,905	3,019	2,209	2,272	489	505	25,112
2055	508	459	520	4,123	4,365	3,725	2,893	3,008	2,200	2,270	490	506	25,066
2056	509	460	522	4,121	4,359	3,715	2,880	2,996	2,192	2,268	491	507	25,020
2057	510	461	523	4,120	4,353	3,706	2,867	2,984	2,183	2,266	492	508	24,974
2058	512	462	524	4,119	4,348	3,696	2,854	2,972	2,174	2,264	493	509	24,927
2059	513	463	525	4,118	4,342	3,687	2,841	2,960	2,165	2,262	494	510	24,880
2060	514	464	526	4,117	4,337	3,677	2,828	2,948	2,155	2,260	495	511	24,833
2061	515	465	527	4,117	4,336	3,676	2,826	2,945	2,154	2,261	496	512	24,831
2062	516	466	529	4,118	4,335	3,674	2,823	2,943	2,152	2,261	497	513	24,828
2063	517	467	530	4,118	4,335	3,673	2,821	2,941	2,151	2,261	498	514	24,826
2064	518	468	531	4,119	4,334	3,671	2,818	2,939	2,149	2,262	500	515	24,824
2065	519	469	532	4,119	4,333	3,669	2,816	2,936	2,148	2,262	501	517	24,822

WOODLAND HILLS

Explanation of Supply and Demand Tables – Woodland Hills (unincorporated

Woodland Hills Table 1: Springs. Reports dependable flow (in gpm) determined from City Master Plan or conversations with City personnel. The dependable flow for springs is generally the observed flow during dry years. The flow was converted to an annual volume and distributed evenly by month, as a constant flow was assumed.

Woodland Hills Table 2: ULS. Totals are based on agreements through the South Utah Valley Municipal Water Association (SUVMWA) and include the reductions associated with water conservation grants. It is assumed that ULS water will be available beginning in 2025. The annual volume was distributed by month based on a typical irrigation pattern.

Woodland Hills Table 3: Strawberry Valley Project. Woodland Hills has no SVP water, therefore this table contains all zeros.

Woodland Hills Table 4: Streams + irr shares. Equal to the sum of Tables 8 and 9.

Woodland Hills Table 5: Groundwater. The initial groundwater supply is based on the annual amount pumped in 2018 as reported to DWRi by the City. The annual volume is distributed on a monthly basis according to a typical M&I pattern.

Woodland Hills Table 6: Reuse. The City currently has no approved reuse application. Therefore, this table consists of all zeros. These numbers will need to be revised when the City files and receives approval of reuse applications.

Woodland Hills Table 7: Additional Groundwater. This is additional groundwater that is available for pumping from wells beyond the historical usage in 2018. There is no direct correlation to installed pumping capacity or water rights. It is assumed that the City will construct additional well capacity as needed to provide the required volumes. Additional and 2018 pumped volumes from wells were compared against existing groundwater rights. When existing water rights are exceeded, new water rights are assumed to come from change applications associated with conversion of agricultural water to municipal use. The additional groundwater was assumed to grow at a rate of 0.125 AF/capita of new population until the remaining safe yield is reached. Monthly volumes are distributed according to a typical M&I demand pattern.

Woodland Hills Table 8: Spanish Fork River. Woodland Hills receives no Spanish Fork River water, therefore this table contains all zeros.

Woodland Hills Table 9: Irrigation Shares. Woodland Hills has no irrigation shares, therefore this table contains all zeros.

Woodland Hills Table 10: Current Use – Indoor. This table contains indoor water demands under the current water use scenario. Current use is based on the number of domestic culinary water connections, the total annual culinary use, and the annual residential culinary use as reported by the City to UDWRi. The number of current indoor ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total culinary water use by the number of indoor ERCs. Future indoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Woodland Hills, the current indoor use per ERC was calculated to be 0.392 acre-feet per ERC (350 gallons/ERC/day). Monthly values were estimated based on the typical M&I demand pattern.

Woodland Hills Table 11: Current Use – Outdoor. This table contains outdoor water demands under the current water use scenario. Current use is based on the number of domestic secondary water connections, the total secondary water use, and the annual residential secondary use as reported by the City to UDWRi. The number of current secondary ERCs was estimated using the DWRi Water Reporting Equation as follows:

ERCs = (TU - RU) x RCON ÷ RU + RCON

where TU = total use, RU = residential use, and RCON = residential connections

The use per ERC is estimated by dividing the total secondary water use by the number of outdoor ERCs. Future outdoor ERCs are estimated proportionately to the projected population growth. Future use is based on future ERCs multiplied by the current use per ERC. For Benjamin, the current outdoor use per ERC was calculated to be 0.45 acre-feet per ERC (3.0 acre-feet/irrigated acre/year). Monthly values were estimated based on the typical irrigation demand pattern.

Woodland Hills Table 12: Current Use – Total. Equal to the sum of Tables 10 and 11.

Woodland Hills Table 13: Conservation – Indoor. This table contains indoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 10. However, the indoor water use per ERC is reduced to 300 gpd. This use rate is held constant throughout the period of study.

Woodland Hills Table 14: Conservation – Outdoor. This table contains outdoor water demands under the conservation water use scenario. Values in the table are based on same number of ERCs used in Table 11. However, the outdoor water use per ERC is assumed to be 0.45 AF/yr (0.15 irrigated acres per ERC times 3 acre-feet per acre). This use rate is held constant throughout the period of study.

Woodland Hills Table 15: Conservation – Total. Equal to the sum of Tables 13 and 14.

Woodland Hills Table 16: Growing Conservation – Indoor. This table contains indoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 20 percent of the reduced total demand to indoor use (Table 13 minus 0.2 x (Table 15 minus Table 18).

Woodland Hills Table 17: Growing Conservation – Outdoor. This table contains outdoor water demands under the growing conservation water use scenario. Values in the table Were generated by assigning 80 percent of the reduced total demand to indoor use (Table 13 minus 0.8 x (Table 15 minus Table 18).

Woodland Hills Table 18: Growing Conservation – Total. This table contains total water demands under the growing conservation water use scenario. Values in the table are based on the total water use shown in Table 15 multiplied by a factor this case assumes a multiplier ranging from 1.0 at present to

0.81 in 2065. The varying factor represents increased water conservation activities which decrease total demand over time.

Woodland Hills Table 19: Remaining Available Supply – Current Use – Indoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Woodland Hills Table 20: Remaining Available Supply – Current Use – Outdoor. Equal to Supply minus Demand (Current Use Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Woodland Hills Table 21: Remaining Available Supply – Current Use – Total. Sum of Tables 19 and 20. Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Woodland Hills Table 22: Remaining Available Supply – Conservation – Indoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Woodland Hills Table 23: Remaining Available Supply – Conservation – Outdoor. Equal to Supply minus Demand (Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Woodland Hills Table 24: Remaining Available Supply – Conservation – Total. Sum of Tables 22 and 23.

Woodland Hills Table 25: Remaining Available Supply – Growing Conservation – Indoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: Springs (Table 1), Groundwater (Table 5), and Additional Groundwater (Table 7). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Woodland Hills Table 26: Remaining Available Supply – Growing Conservation – Outdoor. Equal to Supply minus Demand (Growing Conservation Scenario). Supplies include: ULS (Table 2), SVP (Table 3), Spanish Fork River (Table 8), and Irrigation shares (Table 4). Numbers in black indicate a surplus. Numbers in red indicate a shortage.

Woodland Hills Table 27: Remaining Available Supply – Growing Conservation – Total. Sum of Tables 25 and 26.

Woodland Hills Table 1

Woodland Hills													
Springs													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Woodland Hills Table 2

Woodland Hills													
ULS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	15	46	73	97	90	69	20	0	0	410
2026	0	0	0	15	46	73	97	90	69	20	0	0	410
2027	0	0	0	15	46	73	97	90	69	20	0	0	410
2028	0	0	0	15	46	73	97	90	69	20	0	0	410
2029	0	0	0	15	46	73	97	90	69	20	0	0	410
2030	0	0	0	15	46	73	97	90	69	20	0	0	410
2031	0	0	0	15	46	73	97	90	69	20	0	0	410
2032	0	0	0	15	46	73	97	90	69	20	0	0	410
2033	0	0	0	15	46	73	97	90	69	20	0	0	410
2034	0	0	0	15	46	73	97	90	69	20	0	0	410
2035	0	0	0	15	46	73	97	90	69	20	0	0	410
2036	0	0	0	15	46	73	97	90	69	20	0	0	410
2037	0	0	0	15	46	73	97	90	69	20	0	0	410
2038	0	0	0	15	46	73	97	90	69	20	0	0	410
2039	0	0	0	15	46	73	97	90	69	20	0	0	410
2040	0	0	0	15	46	73	97	90	69	20	0	0	410
2041	0	0	0	15	46	73	97	90	69	20	0	0	410
2042	0	0	0	15	46	73	97	90	69	20	0	0	410
2043	0	0	0	15	46	73	97	90	69	20	0	0	410
2044	0	0	0	15	46	73	97	90	69	20	0	0	410
2045	0	0	0	15	46	73	97	90	69	20	0	0	410
2046	0	0	0	15	46	73	97	90	69	20	0	0	410
2047	0	0	0	15	46	73	97	90	69	20	0	0	410
2048	0	0	0	15	46	73	97	90	69	20	0	0	410
2049	0	0	0	15	46	73	97	90	69	20	0	0	410
2050	0	0	0	15	46	73	97	90	69	20	0	0	410
2051	0	0	0	15	46	73	97	90	69	20	0	0	410
2052	0	0	0	15	46	73	97	90	69	20	0	0	410
2053	0	0	0	15	46	73	97	90	69	20	0	0	410
2054	0	0	0	15	46	73	97	90	69	20	0	0	410
2055	0	0	0	15	46	73	97	90	69	20	0	0	410
2056	0	0	0	15	46	73	97	90	69	20	0	0	410
2057	0	0	0	15	46	73	97	90	69	20	0	0	410
2058	0	0	0	15	46	73	97	90	69	20	0	0	410
2059	0	0	0	15	46	73	97	90	69	20	0	0	410
2060	0	0	0	15	46	73	97	90	69	20	0	0	410
2061	0	0	0	15	46	73	97	90	69	20	0	0	410
2062	0	0	0	15	46	73	97	90	69	20	0	0	410
2063	0	0	0	15	46	73	97	90	69	20	0	0	410
2064	0	0	0	15	46	73	97	90	69	20	0	0	410
2065	0	0	0	15	46	73	97	90	69	20	0	0	410

Woodland Hills Table 3

Woodland Hills													
Strawberry													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Woodland Hills Table 4

Woodland Hills													
Streams + Irr shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Woodland Hills Table 5

Woodland Hills													
Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	24	22	25	23	28	31	33	32	28	24	23	23	317
2017	24	22	25	23	28	31	33	32	28	24	23	23	317
2018	24	22	25	23	28	31	33	32	28	24	23	23	317
2019	24	22	25	23	28	31	33	32	28	24	23	23	317
2020	24	22	25	23	28	31	33	32	28	24	23	23	317
2021	24	22	25	23	28	31	33	32	28	24	23	23	317
2022	24	22	25	23	28	31	33	32	28	24	23	23	317
2023	24	22	25	23	28	31	33	32	28	24	23	23	317
2024	24	22	25	23	28	31	33	32	28	24	23	23	317
2025	24	22	25	23	28	31	33	32	28	24	23	23	317
2026	24	22	25	23	28	31	33	32	28	24	23	23	317
2027	24	22	25	23	28	31	33	32	28	24	23	23	317
2028	24	22	25	23	28	31	33	32	28	24	23	23	317
2029	24	22	25	23	28	31	33	32	28	24	23	23	317
2030	24	22	25	23	28	31	33	32	28	24	23	23	317
2031	24	22	25	23	28	31	33	32	28	24	23	23	317
2032	24	22	25	23	28	31	33	32	28	24	23	23	317
2033	24	22	25	23	28	31	33	32	28	24	23	23	317
2034	24	22	25	23	28	31	33	32	28	24	23	23	317
2035	24	22	25	23	28	31	33	32	28	24	23	23	317
2036	24	22	25	23	28	31	33	32	28	24	23	23	317
2037	24	22	25	23	28	31	33	32	28	24	23	23	317
2038	24	22	25	23	28	31	33	32	28	24	23	23	317
2039	24	22	25	23	28	31	33	32	28	24	23	23	317
2040	24	22	25	23	28	31	33	32	28	24	23	23	317
2041	24	22	25	23	28	31	33	32	28	24	23	23	317
2042	24	22	25	23	28	31	33	32	28	24	23	23	317
2043	24	22	25	23	28	31	33	32	28	24	23	23	317
2044	24	22	25	23	28	31	33	32	28	24	23	23	317
2045	24	22	25	23	28	31	33	32	28	24	23	23	317
2046	24	22	25	23	28	31	33	32	28	24	23	23	317
2047	24	22	25	23	28	31	33	32	28	24	23	23	317
2048	24	22	25	23	28	31	33	32	28	24	23	23	317
2049	24	22	25	23	28	31	33	32	28	24	23	23	317
2050	24	22	25	23	28	31	33	32	28	24	23	23	317
2051	24	22	25	23	28	31	33	32	28	24	23	23	317
2052	24	22	25	23	28	31	33	32	28	24	23	23	317
2053	24	22	25	23	28	31	33	32	28	24	23	23	317
2054	24	22	25	23	28	31	33	32	28	24	23	23	317
2055	24	22	25	23	28	31	33	32	28	24	23	23	317
2056	24	22	25	23	28	31	33	32	28	24	23	23	317
2057	24	22	25	23	28	31	33	32	28	24	23	23	317
2058	24	22	25	23	28	31	33	32	28	24	23	23	317
2059	24	22	25	23	28	31	33	32	28	24	23	23	317
2060	24	22	25	23	28	31	33	32	28	24	23	23	317
2061	24	22	25	23	28	31	33	32	28	24	23	23	317
2062	24	22	25	23	28	31	33	32	28	24	23	23	317
2063	24	22	25	23	28	31	33	32	28	24	23	23	317
2064	24	22	25	23	28	31	33	32	28	24	23	23	317
2065	24	22	25	23	28	31	33	32	28	24	23	23	317

Woodland Hills													
Reuse													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Woodland Hills Table 7

Woodland Hills													
Additional Groundwater													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	1	1	1	1	1	0	0	0	6
2019	1	1	1	1	1	1	1	1	1	1	1	1	12
2020	1	1	1	1	2	2	2	2	2	1	1	1	18
2021	2	1	2	1	2	2	2	2	2	2	1	1	20
2022	2	1	2	2	2	2	2	2	2	2	2	2	21
2023	2	2	2	2	2	2	2	2	2	2	2	2	23
2024	2	2	2	2	2	2	3	2	2	2	2	2	25
2025	2	2	2	2	2	3	3	3	2	2	2	2	26
2026	2	2	2	2	2	3	3	3	2	2	2	2	28
2027	2	2	2	2	3	3	3	3	3	2	2	2	29
2028	2	2	2	2	3	3	3	3	3	2	2	2	31
2029	3	2	3	2	3	3	3	3	3	3	2	2	33
2030	3	2	3	3	3	3	4	3	3	3	2	3	35
2031	3	3	3	3	3	4	4	4	3	3	3	3	37
2032	3	3	3	3	3	4	4	4	3	3	3	3	39
2033	3	3	3	3	4	4	4	4	4	3	3	3	42
2034	3	3	3	3	4	4	5	4	4	3	3	3	44
2035	4	3	4	3	4	5	5	5	4	4	3	3	46
2036	4	3	4	4	4	5	5	5	4	4	3	4	49
2037	4	4	4	4	5	5	5	5	5	4	4	4	51
2038	4	4	4	4	5	5	6	5	5	4	4	4	54
2039	4	4	4	4	5	6	6	6	5	4	4	4	56
2040	5	4	5	4	5	6	6	6	5	4	4	4	59
2041	5	4	5	4	5	6	6	6	5	5	4	4	61
2042	5	4	5	5	6	6	7	6	6	5	5	5	63
2043	5	5	5	5	6	6	7	7	6	5	5	5	65
2044	5	5	5	5	6	7	7	7	6	5	5	5	68
2045	5	5	6	5	6	7	7	7	6	5	5	5	70
2046	6	5	6	5	6	7	8	7	6	6	5	5	72
2047	6	5	6	5	7	7	8	8	7	6	5	5	74
2048	6	5	6	6	7	8	8	8	7	6	5	6	77
2049	6	5	6	6	7	8	8	8	7	6	6	6	79
2050	6	6	6	6	7	8	9	8	7	6	6	6	82
2051	6	6	7	6	7	8	9	8	7	6	6	6	84
2052	7	6	7	6	8	8	9	9	8	7	6	6	86
2053	7	6	7	6	8	9	9	9	8	7	6	6	88
2054	7	6	7	7	8	9	9	9	8	7	6	7	90
2055	7	6	7	7	8	9	10	9	8	7	7	7	92
2056	7	7	7	7	8	9	10	10	8	7	7	7	94
2057	7	7	8	7	9	10	10	10	8	7	7	7	96
2058	8	7	8	7	9	10	10	10	9	8	7	7	99
2059	8	7	8	7	9	10	11	10	9	8	7	7	101
2060	8	7	8	7	9	10	11	10	9	8	7	8	103
2061	8	7	8	8	9	10	11	11	9	8	8	8	105
2062	8	7	8	8	9	11	11	11	9	8	8	8	107
2063	8	8	9	8	10	11	11	11	10	8	8	8	109
2064	9	8	9	8	10	11	12	11	10	9	8	8	111
2065	9	8	9	8	10	11	12	11	10	9	8	8	114

Woodland Hills Table 8

Woodland Hills													
Spanish Fork River													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Woodland Hills Table 9

Woodland Hills													
Irrigation Shares													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0	0	0	0	0
2060	0	0	0	0	0	0	0	0	0	0	0	0	0
2061	0	0	0	0	0	0	0	0	0	0	0	0	0
2062	0	0	0	0	0	0	0	0	0	0	0	0	0
2063	0	0	0	0	0	0	0	0	0	0	0	0	0
2064	0	0	0	0	0	0	0	0	0	0	0	0	0
2065	0	0	0	0	0	0	0	0	0	0	0	0	0

Woodland Hills Table 10

Woodland Hills													
Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	13	11	13	12	15	16	17	17	15	13	12	12	166
2018	13	12	13	12	15	17	18	17	15	13	12	12	171
2019	13	12	14	13	16	17	18	18	15	13	13	13	176
2020	14	13	14	13	16	18	19	18	16	14	13	13	181
2021	14	13	14	13	16	18	19	18	16	14	13	13	183
2022	14	13	15	13	16	18	19	19	16	14	13	13	184
2023	14	13	15	13	16	18	19	19	16	14	13	14	185
2024	14	13	15	14	17	18	20	19	16	14	13	14	187
2025	14	13	15	14	17	19	20	19	17	14	13	14	188
2026	15	13	15	14	17	19	20	19	17	14	14	14	189
2027	15	13	15	14	17	19	20	19	17	15	14	14	191
2028	15	13	15	14	17	19	20	19	17	15	14	14	192
2029	15	13	15	14	17	19	20	20	17	15	14	14	194
2030	15	14	15	14	17	19	20	20	17	15	14	14	195
2031	15	14	16	14	17	20	21	20	17	15	14	14	197
2032	15	14	16	14	18	20	21	20	18	15	14	15	199
2033	15	14	16	15	18	20	21	20	18	15	14	15	201
2034	16	14	16	15	18	20	21	21	18	16	15	15	203
2035	16	14	16	15	18	20	22	21	18	16	15	15	205
2036	16	14	16	15	18	21	22	21	18	16	15	15	207
2037	16	15	17	15	19	21	22	21	18	16	15	15	209
2038	16	15	17	15	19	21	22	21	19	16	15	15	212
2039	16	15	17	16	19	21	22	22	19	16	15	16	214
2040	17	15	17	16	19	21	23	22	19	17	15	16	216
2041	17	15	17	16	19	22	23	22	19	17	16	16	218
2042	17	15	17	16	19	22	23	22	19	17	16	16	220
2043	17	15	18	16	20	22	23	22	19	17	16	16	222
2044	17	15	18	16	20	22	23	23	20	17	16	16	223
2045	17	16	18	16	20	22	24	23	20	17	16	16	225
2046	17	16	18	16	20	23	24	23	20	17	16	17	227
2047	18	16	18	17	20	23	24	23	20	18	16	17	229
2048	18	16	18	17	20	23	24	23	20	18	17	17	231
2049	18	16	18	17	21	23	25	24	21	18	17	17	233
2050	18	16	19	17	21	23	25	24	21	18	17	17	235
2051	18	16	19	17	21	23	25	24	21	18	17	17	237
2052	18	17	19	17	21	24	25	24	21	18	17	17	239
2053	18	17	19	17	21	24	25	24	21	18	17	18	241
2054	19	17	19	18	21	24	25	25	21	19	17	18	243
2055	19	17	19	18	22	24	26	25	21	19	17	18	244
2056	19	17	19	18	22	24	26	25	22	19	18	18	246
2057	19	17	20	18	22	25	26	25	22	19	18	18	248
2058	19	17	20	18	22	25	26	25	22	19	18	18	250
2059	19	17	20	18	22	25	26	25	22	19	18	18	252
2060	19	18	20	18	22	25	27	26	22	19	18	19	254
2061	20	18	20	19	23	25	27	26	22	20	18	19	256
2062	20	18	20	19	23	25	27	26	23	20	18	19	257
2063	20	18	20	19	23	26	27	26	23	20	19	19	259
2064	20	18	21	19	23	26	27	26	23	20	19	19	261
2065	20	18	21	19	23	26	28	27	23	20	19	19	263

Woodland Hills Table 11

Woodland Hills													
Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	6	18	28	38	35	27	8	0	0	159
2018	0	0	0	6	19	29	39	36	28	8	0	0	164
2019	0	0	0	6	19	30	40	37	29	8	0	0	170
2020	0	0	0	6	20	31	41	39	29	9	0	0	175
2021	0	0	0	6	20	32	42	39	30	9	0	0	177
2022	0	0	0	6	20	32	42	39	30	9	0	0	179
2023	0	0	0	6	20	32	43	40	30	9	0	0	180
2024	0	0	0	7	21	32	43	40	31	9	0	0	182
2025	0	0	0	7	21	33	43	40	31	9	0	0	184
2026	0	0	0	7	21	33	44	41	31	9	0	0	186
2027	0	0	0	7	21	33	44	41	31	9	0	0	187
2028	0	0	0	7	21	34	45	42	32	9	0	0	189
2029	0	0	0	7	22	34	45	42	32	9	0	0	191
2030	0	0	0	7	22	34	45	42	32	9	0	0	193
2031	0	0	0	7	22	35	46	43	33	10	0	0	195
2032	0	0	0	7	22	35	47	43	33	10	0	0	197
2033	0	0	0	7	23	36	47	44	34	10	0	0	200
2034	0	0	0	7	23	36	48	44	34	10	0	0	202
2035	0	0	0	7	23	36	48	45	34	10	0	0	205
2036	0	0	0	7	23	37	49	46	35	10	0	0	207
2037	0	0	0	8	24	37	49	46	35	10	0	0	210
2038	0	0	0	8	24	38	50	47	36	10	0	0	212
2039	0	0	0	8	24	38	51	47	36	11	0	0	215
2040	0	0	0	8	25	39	51	48	37	11	0	0	217
2041	0	0	0	8	25	39	52	48	37	11	0	0	220
2042	0	0	0	8	25	40	52	49	37	11	0	0	222
2043	0	0	0	8	25	40	53	49	38	11	0	0	225
2044	0	0	0	8	26	40	54	50	38	11	0	0	227
2045	0	0	0	8	26	41	54	50	39	11	0	0	229
2046	0	0	0	8	26	41	55	51	39	11	0	0	232
2047	0	0	0	8	26	42	55	52	39	11	0	0	234
2048	0	0	0	9	27	42	56	52	40	12	0	0	237
2049	0	0	0	9	27	43	56	53	40	12	0	0	239
2050	0	0	0	9	27	43	57	53	41	12	0	0	242
2051	0	0	0	9	28	43	58	54	41	12	0	0	244
2052	0	0	0	9	28	44	58	54	41	12	0	0	246
2053	0	0	0	9	28	44	59	55	42	12	0	0	249
2054	0	0	0	9	28	45	59	55	42	12	0	0	251
2055	0	0	0	9	29	45	60	56	43	12	0	0	254
2056	0	0	0	9	29	46	60	56	43	13	0	0	256
2057	0	0	0	9	29	46	61	57	43	13	0	0	258
2058	0	0	0	9	29	46	62	57	44	13	0	0	261
2059	0	0	0	9	30	47	62	58	44	13	0	0	263
2060	0	0	0	10	30	47	63	58	45	13	0	0	266
2061	0	0	0	10	30	48	63	59	45	13	0	0	268
2062	0	0	0	10	31	48	64	60	45	13	0	0	271
2063	0	0	0	10	31	49	64	60	46	13	0	0	273
2064	0	0	0	10	31	49	65	61	46	13	0	0	276
1905	0	0	0	10	31	49	66	61	47	14	0	0	278

Woodland Hills Table 12

Woodland Hills													
Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	13	11	13	18	33	45	55	52	41	20	12	12	325
2018	13	12	13	18	34	46	57	53	43	21	12	12	335
2019	13	12	14	19	35	48	59	55	44	22	13	13	346
2020	14	13	14	19	36	49	60	57	45	22	13	13	357
2021	14	13	14	20	36	50	61	57	46	23	13	13	360
2022	14	13	15	20	36	50	61	58	46	23	13	13	363
2023	14	13	15	20	37	50	62	58	47	23	13	14	366
2024	14	13	15	20	37	51	63	59	47	23	13	14	369
2025	14	13	15	20	37	51	63	59	47	23	13	14	372
2026	15	13	15	20	38	52	64	60	48	24	14	14	375
2027	15	13	15	21	38	52	64	61	48	24	14	14	378
2028	15	13	15	21	38	53	65	61	49	24	14	14	381
2029	15	13	15	21	39	53	65	62	49	24	14	14	385
2030	15	14	15	21	39	54	66	62	50	24	14	14	388
2031	15	14	16	21	39	54	67	63	50	25	14	14	392
2032	15	14	16	22	40	55	67	64	51	25	14	15	397
2033	15	14	16	22	40	55	68	64	51	25	14	15	401
2034	16	14	16	22	41	56	69	65	52	25	15	15	405
2035	16	14	16	22	41	57	70	66	52	26	15	15	410
2036	16	14	16	22	42	57	71	67	53	26	15	15	415
2037	16	15	17	23	42	58	71	67	54	26	15	15	419
2038	16	15	17	23	43	59	72	68	54	27	15	15	424
2039	16	15	17	23	43	59	73	69	55	27	15	16	429
2040	17	15	17	23	44	60	74	70	56	27	15	16	433
2041	17	15	17	24	44	61	75	70	56	27	16	16	438
2042	17	15	17	24	45	61	75	71	57	28	16	16	442
2043	17	15	18	24	45	62	76	72	57	28	16	16	446
2044	17	15	18	24	45	63	77	73	58	28	16	16	450
2045	17	16	18	25	46	63	78	73	58	28	16	16	455
2046	17	16	18	25	46	64	79	74	59	29	16	17	459
2047	18	16	18	25	47	64	79	75	60	29	16	17	464
2048	18	16	18	25	47	65	80	75	60	29	17	17	468
2049	18	16	18	26	48	66	81	76	61	30	17	17	473
2050	18	16	19	26	48	66	82	77	61	30	17	17	477
2051	18	16	19	26	49	67	83	78	62	30	17	17	481
2052	18	17	19	26	49	68	83	78	62	30	17	17	485
2053	18	17	19	26	49	68	84	79	63	31	17	18	490
2054	19	17	19	27	50	69	85	80	64	31	17	18	494
2055	19	17	19	27	50	69	86	81	64	31	17	18	498
2056	19	17	19	27	51	70	86	81	65	31	18	18	502
2057	19	17	20	27	51	71	87	82	65	32	18	18	507
2058	19	17	20	28	52	71	88	83	66	32	18	18	511
2059	19	17	20	28	52	72	89	83	66	32	18	18	515
2060	19	18	20	28	53	72	89	84	67	32	18	19	520
2061	20	18	20	28	53	73	90	85	68	33	18	19	524
2062	20	18	20	28	53	74	91	86	68	33	18	19	528
2063	20	18	20	29	54	74	92	86	69	33	19	19	532
2064	20	18	21	29	54	75	92	87	69	33	19	19	537
1905	20	18	21	29	55	75	93	88	70	34	19	19	541

Woodland Hills Table 13

Woodland Hills													
Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	12	11	14	15	16	15	13	12	11	11	153
2018	12	11	12	11	14	16	17	16	14	12	11	11	157
2019	12	11	13	12	14	16	17	16	14	12	12	12	162
2020	13	12	13	12	15	16	17	17	15	13	12	12	166
2021	13	12	13	12	15	17	18	17	15	13	12	12	167
2022	13	12	13	12	15	17	18	17	15	13	12	12	169
2023	13	12	13	12	15	17	18	17	15	13	12	12	170
2024	13	12	14	12	15	17	18	17	15	13	12	12	171
2025	13	12	14	12	15	17	18	17	15	13	12	13	172
2026	13	12	14	13	15	17	18	18	15	13	12	13	173
2027	13	12	14	13	15	17	18	18	15	13	12	13	175
2028	13	12	14	13	16	17	18	18	15	13	13	13	176
2029	14	12	14	13	16	18	19	18	16	14	13	13	177
2030	14	12	14	13	16	18	19	18	16	14	13	13	178
2031	14	12	14	13	16	18	19	18	16	14	13	13	180
2032	14	13	14	13	16	18	19	18	16	14	13	13	182
2033	14	13	14	13	16	18	19	19	16	14	13	13	183
2034	14	13	15	13	16	18	19	19	16	14	13	13	185
2035	14	13	15	14	17	19	20	19	16	14	13	14	187
2036	14	13	15	14	17	19	20	19	17	14	13	14	189
2037	15	13	15	14	17	19	20	19	17	15	14	14	191
2038	15	13	15	14	17	19	20	19	17	15	14	14	192
2039	15	13	15	14	17	19	20	20	17	15	14	14	194
2040	15	14	15	14	17	19	21	20	17	15	14	14	196
2041	15	14	16	14	18	20	21	20	17	15	14	14	198
2042	15	14	16	14	18	20	21	20	18	15	14	15	199
2043	15	14	16	15	18	20	21	20	18	15	14	15	201
2044	16	14	16	15	18	20	21	20	18	15	14	15	203
2045	16	14	16	15	18	20	21	21	18	16	15	15	204
2046	16	14	16	15	18	20	22	21	18	16	15	15	206
2047	16	14	16	15	18	21	22	21	18	16	15	15	208
2048	16	14	17	15	19	21	22	21	18	16	15	15	209
2049	16	15	17	15	19	21	22	21	19	16	15	15	211
2050	16	15	17	15	19	21	22	22	19	16	15	16	213
2051	16	15	17	16	19	21	23	22	19	16	15	16	214
2052	17	15	17	16	19	21	23	22	19	17	15	16	216
2053	17	15	17	16	19	22	23	22	19	17	16	16	217
2054	17	15	17	16	19	22	23	22	19	17	16	16	219
2055	17	15	17	16	20	22	23	22	19	17	16	16	221
2056	17	15	18	16	20	22	23	22	20	17	16	16	222
2057	17	15	18	16	20	22	23	23	20	17	16	16	224
2058	17	16	18	16	20	22	24	23	20	17	16	16	225
2059	17	16	18	16	20	22	24	23	20	17	16	17	227
2060	18	16	18	17	20	23	24	23	20	17	16	17	229
2061	18	16	18	17	20	23	24	23	20	18	16	17	230
2062	18	16	18	17	21	23	24	23	20	18	17	17	232
2063	18	16	18	17	21	23	24	24	21	18	17	17	233
2064	18	16	19	17	21	23	25	24	21	18	17	17	235
2065	18	16	19	17	21	23	25	24	21	18	17	17	236

Woodland Hills Table 14

Woodland Hills													
Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	6	18	28	38	35	27	8	0	0	159
2018	0	0	0	6	19	29	39	36	28	8	0	0	164
2019	0	0	0	6	19	30	40	37	29	8	0	0	170
2020	0	0	0	6	20	31	41	39	29	9	0	0	175
2021	0	0	0	6	20	32	42	39	30	9	0	0	177
2022	0	0	0	6	20	32	42	39	30	9	0	0	179
2023	0	0	0	6	20	32	43	40	30	9	0	0	180
2024	0	0	0	7	21	32	43	40	31	9	0	0	182
2025	0	0	0	7	21	33	43	40	31	9	0	0	184
2026	0	0	0	7	21	33	44	41	31	9	0	0	186
2027	0	0	0	7	21	33	44	41	31	9	0	0	187
2028	0	0	0	7	21	34	45	42	32	9	0	0	189
2029	0	0	0	7	22	34	45	42	32	9	0	0	191
2030	0	0	0	7	22	34	45	42	32	9	0	0	193
2031	0	0	0	7	22	35	46	43	33	10	0	0	195
2032	0	0	0	7	22	35	47	43	33	10	0	0	197
2033	0	0	0	7	23	36	47	44	34	10	0	0	200
2034	0	0	0	7	23	36	48	44	34	10	0	0	202
2035	0	0	0	7	23	36	48	45	34	10	0	0	205
2036	0	0	0	7	23	37	49	46	35	10	0	0	207
2037	0	0	0	8	24	37	49	46	35	10	0	0	210
2038	0	0	0	8	24	38	50	47	36	10	0	0	212
2039	0	0	0	8	24	38	51	47	36	11	0	0	215
2040	0	0	0	8	25	39	51	48	37	11	0	0	217
2041	0	0	0	8	25	39	52	48	37	11	0	0	220
2042	0	0	0	8	25	40	52	49	37	11	0	0	222
2043	0	0	0	8	25	40	53	49	38	11	0	0	225
2044	0	0	0	8	26	40	54	50	38	11	0	0	227
2045	0	0	0	8	26	41	54	50	39	11	0	0	229
2046	0	0	0	8	26	41	55	51	39	11	0	0	232
2047	0	0	0	8	26	42	55	52	39	11	0	0	234
2048	0	0	0	9	27	42	56	52	40	12	0	0	237
2049	0	0	0	9	27	43	56	53	40	12	0	0	239
2050	0	0	0	9	27	43	57	53	41	12	0	0	242
2051	0	0	0	9	28	43	58	54	41	12	0	0	244
2052	0	0	0	9	28	44	58	54	41	12	0	0	246
2053	0	0	0	9	28	44	59	55	42	12	0	0	249
2054	0	0	0	9	28	45	59	55	42	12	0	0	251
2055	0	0	0	9	29	45	60	56	43	12	0	0	254
2056	0	0	0	9	29	46	60	56	43	13	0	0	256
2057	0	0	0	9	29	46	61	57	43	13	0	0	258
2058	0	0	0	9	29	46	62	57	44	13	0	0	261
2059	0	0	0	9	30	47	62	58	44	13	0	0	263
2060	0	0	0	10	30	47	63	58	45	13	0	0	266
2061	0	0	0	10	30	48	63	59	45	13	0	0	268
2062	0	0	0	10	31	48	64	60	45	13	0	0	271
2063	0	0	0	10	31	49	64	60	46	13	0	0	273
2064	0	0	0	10	31	49	65	61	46	13	0	0	276
1905	0	0	0	10	31	49	66	61	47	14	0	0	278

Woodland Hills Table 15

Woodland Hills													
Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	12	17	32	43	54	50	40	19	11	11	312
2018	12	11	12	17	33	45	55	52	41	20	11	11	322
2019	12	11	13	18	34	46	57	54	43	21	12	12	332
2020	13	12	13	18	35	48	59	55	44	21	12	12	342
2021	13	12	13	19	35	48	59	56	44	21	12	12	344
2022	13	12	13	19	35	48	60	56	45	22	12	12	347
2023	13	12	13	19	35	49	60	57	45	22	12	12	350
2024	13	12	14	19	36	49	61	57	46	22	12	12	353
2025	13	12	14	19	36	50	61	58	46	22	12	13	356
2026	13	12	14	19	36	50	62	58	46	22	12	13	359
2027	13	12	14	19	37	51	63	59	47	23	12	13	362
2028	13	12	14	20	37	51	63	59	47	23	13	13	365
2029	14	12	14	20	37	51	64	60	48	23	13	13	368
2030	14	12	14	20	38	52	64	60	48	23	13	13	371
2031	14	12	14	20	38	53	65	61	49	23	13	13	375
2032	14	13	14	20	38	53	66	62	49	24	13	13	379
2033	14	13	14	20	39	54	66	63	50	24	13	13	383
2034	14	13	15	21	39	54	67	63	50	24	13	13	387
2035	14	13	15	21	40	55	68	64	51	24	13	14	392
2036	14	13	15	21	40	56	69	65	51	25	13	14	396
2037	15	13	15	21	41	56	70	65	52	25	14	14	400
2038	15	13	15	22	41	57	70	66	53	25	14	14	405
2039	15	13	15	22	41	57	71	67	53	25	14	14	409
2040	15	14	15	22	42	58	72	68	54	26	14	14	414
2041	15	14	16	22	42	59	73	68	54	26	14	14	417
2042	15	14	16	22	43	59	73	69	55	26	14	15	421
2043	15	14	16	23	43	60	74	70	55	26	14	15	425
2044	16	14	16	23	44	60	75	70	56	27	14	15	429
2045	16	14	16	23	44	61	76	71	56	27	15	15	434
2046	16	14	16	23	44	62	76	72	57	27	15	15	438
2047	16	14	16	23	45	62	77	73	58	27	15	15	442
2048	16	14	17	24	45	63	78	73	58	28	15	15	446
2049	16	15	17	24	46	63	79	74	59	28	15	15	450
2050	16	15	17	24	46	64	79	75	59	28	15	16	455
2051	16	15	17	24	47	65	80	75	60	28	15	16	458
2052	17	15	17	25	47	65	81	76	60	29	15	16	462
2053	17	15	17	25	47	66	82	77	61	29	16	16	466
2054	17	15	17	25	48	66	82	77	61	29	16	16	470
2055	17	15	17	25	48	67	83	78	62	29	16	16	474
2056	17	15	18	25	49	68	84	79	63	30	16	16	478
2057	17	15	18	26	49	68	84	79	63	30	16	16	482
2058	17	16	18	26	49	69	85	80	64	30	16	16	486
2059	17	16	18	26	50	69	86	81	64	30	16	17	490
2060	18	16	18	26	50	70	87	82	65	31	16	17	495
2061	18	16	18	26	51	71	87	82	65	31	16	17	498
2062	18	16	18	27	51	71	88	83	66	31	17	17	502
2063	18	16	18	27	52	72	89	84	66	31	17	17	506
2064	18	16	19	27	52	72	90	84	67	31	17	17	510
1905	18	16	19	27	52	73	90	85	67	32	17	17	514

Woodland Hills Table 16

Woodland Hills													
GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	12	11	14	15	16	15	13	12	11	11	153
2018	12	11	12	11	14	16	16	16	14	12	11	11	157
2019	12	11	13	12	14	16	17	16	14	12	11	12	161
2020	13	11	13	12	15	16	17	17	14	13	12	12	165
2021	13	11	13	12	15	16	17	17	15	13	12	12	165
2022	13	11	13	12	15	16	17	17	15	13	12	12	166
2023	13	12	13	12	15	16	17	17	15	13	12	12	166
2024	13	12	13	12	15	16	17	17	15	13	12	12	167
2025	13	12	13	12	15	17	18	17	15	13	12	12	167
2026	13	12	13	12	15	17	18	17	15	13	12	12	168
2027	13	12	13	12	15	17	18	17	15	13	12	12	168
2028	13	12	13	12	15	17	18	17	15	13	12	12	168
2029	13	12	13	12	15	17	18	17	15	13	12	12	169
2030	13	12	13	12	15	17	18	17	15	13	12	12	169
2031	13	12	13	12	15	17	18	17	15	13	12	12	171
2032	13	12	14	12	15	17	18	17	15	13	12	13	172
2033	13	12	14	13	15	17	18	17	15	13	12	13	173
2034	13	12	14	13	15	17	18	18	15	13	12	13	174
2035	13	12	14	13	16	17	18	18	15	13	13	13	175
2036	14	12	14	13	16	17	19	18	16	14	13	13	177
2037	14	12	14	13	16	18	19	18	16	14	13	13	178
2038	14	12	14	13	16	18	19	18	16	14	13	13	179
2039	14	12	14	13	16	18	19	18	16	14	13	13	180
2040	14	13	14	13	16	18	19	18	16	14	13	13	182
2041	14	13	14	13	16	18	19	19	16	14	13	13	183
2042	14	13	15	13	16	18	19	19	16	14	13	13	184
2043	14	13	15	13	16	18	19	19	16	14	13	14	186
2044	14	13	15	14	17	18	20	19	16	14	13	14	187
2045	14	13	15	14	17	19	20	19	17	14	13	14	188
2046	15	13	15	14	17	19	20	19	17	14	14	14	190
2047	15	13	15	14	17	19	20	19	17	15	14	14	191
2048	15	13	15	14	17	19	20	19	17	15	14	14	192
2049	15	13	15	14	17	19	20	20	17	15	14	14	194
2050	15	14	15	14	17	19	20	20	17	15	14	14	195
2051	15	14	16	14	17	19	21	20	17	15	14	14	196
2052	15	14	16	14	17	20	21	20	17	15	14	14	197
2053	15	14	16	14	18	20	21	20	17	15	14	14	199
2054	15	14	16	14	18	20	21	20	18	15	14	15	200
2055	15	14	16	15	18	20	21	20	18	15	14	15	201
2056	16	14	16	15	18	20	21	20	18	15	14	15	202
2057	16	14	16	15	18	20	21	21	18	16	15	15	203
2058	16	14	16	15	18	20	21	21	18	16	15	15	205
2059	16	14	16	15	18	20	22	21	18	16	15	15	206
2060	16	14	16	15	18	20	22	21	18	16	15	15	207
2061	16	14	16	15	18	21	22	21	18	16	15	15	208
2062	16	14	17	15	19	21	22	21	18	16	15	15	209
2063	16	15	17	15	19	21	22	21	18	16	15	15	210
2064	16	15	17	15	19	21	22	21	19	16	15	15	211
2065	16	15	17	15	19	21	22	21	19	16	15	15	211

Woodland Hills Table 17

Woodland Hills													
GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	6	18	28	38	35	27	8	0	0	159
2018	0	0	0	6	18	29	38	36	27	8	0	0	163
2019	0	0	0	6	19	30	39	36	28	8	0	0	166
2020	0	0	0	6	19	30	40	37	28	8	0	0	169
2021	0	0	0	6	19	30	40	37	28	8	0	0	168
2022	0	0	0	6	19	30	39	37	28	8	0	0	167
2023	0	0	0	6	19	30	39	36	28	8	0	0	166
2024	0	0	0	6	19	29	39	36	28	8	0	0	165
2025	0	0	0	6	18	29	39	36	27	8	0	0	163
2026	0	0	0	6	18	29	38	36	27	8	0	0	162
2027	0	0	0	6	18	29	38	35	27	8	0	0	161
2028	0	0	0	6	18	28	38	35	27	8	0	0	160
2029	0	0	0	6	18	28	37	35	27	8	0	0	159
2030	0	0	0	6	18	28	37	35	26	8	0	0	157
2031	0	0	0	6	18	28	37	35	26	8	0	0	158
2032	0	0	0	6	18	28	37	35	27	8	0	0	158
2033	0	0	0	6	18	28	37	35	27	8	0	0	158
2034	0	0	0	6	18	28	37	35	27	8	0	0	158
2035	0	0	0	6	18	28	37	35	27	8	0	0	159
2036	0	0	0	6	18	28	38	35	27	8	0	0	159
2037	0	0	0	6	18	28	38	35	27	8	0	0	159
2038	0	0	0	6	18	28	38	35	27	8	0	0	159
2039	0	0	0	6	18	28	38	35	27	8	0	0	160
2040	0	0	0	6	18	28	38	35	27	8	0	0	160
2041	0	0	0	6	18	29	38	35	27	8	0	0	161
2042	0	0	0	6	18	29	38	36	27	8	0	0	162
2043	0	0	0	6	18	29	38	36	27	8	0	0	163
2044	0	0	0	6	19	29	39	36	28	8	0	0	164
2045	0	0	0	6	19	29	39	36	28	8	0	0	165
2046	0	0	0	6	19	30	39	37	28	8	0	0	166
2047	0	0	0	6	19	30	39	37	28	8	0	0	167
2048	0	0	0	6	19	30	40	37	28	8	0	0	168
2049	0	0	0	6	19	30	40	37	28	8	0	0	169
2050	0	0	0	6	19	30	40	38	29	8	0	0	171
2051	0	0	0	6	19	31	40	38	29	8	0	0	171
2052	0	0	0	6	19	31	41	38	29	8	0	0	172
2053	0	0	0	6	20	31	41	38	29	8	0	0	173
2054	0	0	0	6	20	31	41	38	29	9	0	0	174
2055	0	0	0	6	20	31	41	39	29	9	0	0	175
2056	0	0	0	6	20	31	42	39	30	9	0	0	176
2057	0	0	0	6	20	32	42	39	30	9	0	0	177
2058	0	0	0	6	20	32	42	39	30	9	0	0	178
2059	0	0	0	6	20	32	42	39	30	9	0	0	179
2060	0	0	0	6	20	32	42	40	30	9	0	0	180
2061	0	0	0	6	20	32	43	40	30	9	0	0	180
2062	0	0	0	6	20	32	42	40	30	9	0	0	180
2063	0	0	0	6	20	32	42	39	30	9	0	0	179
2064	0	0	0	6	20	32	42	39	30	9	0	0	179
1905	0	0	0	6	20	32	42	39	30	9	0	0	178

Woodland Hills Table 18

Woodland Hills													
GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	12	11	12	17	32	43	54	50	40	19	11	11	312
2018	12	11	12	17	32	44	55	52	41	20	11	11	319
2019	12	11	13	18	33	45	56	53	42	20	11	12	327
2020	13	11	13	18	34	46	57	54	43	21	12	12	334
2021	13	11	13	18	34	46	57	54	43	21	12	12	333
2022	13	11	13	18	34	46	57	53	43	21	12	12	333
2023	13	12	13	18	33	46	57	53	42	21	12	12	332
2024	13	12	13	18	33	46	56	53	42	21	12	12	331
2025	13	12	13	18	33	46	56	53	42	21	12	12	330
2026	13	12	13	18	33	45	56	53	42	21	12	12	330
2027	13	12	13	18	33	45	56	52	42	21	12	12	329
2028	13	12	13	18	33	45	55	52	42	21	12	12	328
2029	13	12	13	18	33	45	55	52	41	21	12	12	327
2030	13	12	13	18	33	45	55	52	41	21	12	12	327
2031	13	12	13	18	33	45	55	52	41	21	12	12	328
2032	13	12	14	18	33	45	55	52	42	21	12	13	330
2033	13	12	14	18	33	45	55	52	42	21	12	13	331
2034	13	12	14	18	33	45	56	52	42	21	12	13	333
2035	13	12	14	18	33	46	56	53	42	21	13	13	334
2036	14	12	14	19	34	46	56	53	42	21	13	13	336
2037	14	12	14	19	34	46	56	53	42	21	13	13	337
2038	14	12	14	19	34	46	56	53	43	22	13	13	339
2039	14	12	14	19	34	46	57	53	43	22	13	13	340
2040	14	13	14	19	34	46	57	54	43	22	13	13	342
2041	14	13	14	19	34	47	57	54	43	22	13	13	344
2042	14	13	15	19	35	47	58	54	43	22	13	13	346
2043	14	13	15	19	35	47	58	55	44	22	13	14	349
2044	14	13	15	19	35	48	58	55	44	22	13	14	351
2045	14	13	15	20	35	48	59	55	44	22	13	14	353
2046	15	13	15	20	36	48	59	56	45	23	14	14	356
2047	15	13	15	20	36	49	60	56	45	23	14	14	358
2048	15	13	15	20	36	49	60	56	45	23	14	14	361
2049	15	13	15	20	36	49	60	57	45	23	14	14	363
2050	15	14	15	20	37	50	61	57	46	23	14	14	365
2051	15	14	16	20	37	50	61	58	46	23	14	14	368
2052	15	14	16	21	37	50	61	58	46	24	14	14	370
2053	15	14	16	21	37	50	62	58	47	24	14	14	372
2054	15	14	16	21	37	51	62	59	47	24	14	15	374
2055	15	14	16	21	38	51	62	59	47	24	14	15	376
2056	16	14	16	21	38	51	63	59	47	24	14	15	378
2057	16	14	16	21	38	52	63	60	48	24	15	15	380
2058	16	14	16	21	38	52	63	60	48	24	15	15	383
2059	16	14	16	21	38	52	64	60	48	25	15	15	385
2060	16	14	16	21	39	53	64	61	48	25	15	15	387
2061	16	14	16	22	39	53	64	61	49	25	15	15	389
2062	16	14	17	22	39	53	64	61	49	25	15	15	389
2063	16	15	17	22	39	53	64	61	49	25	15	15	389
2064	16	15	17	22	39	53	64	61	49	25	15	15	389
1905	16	15	17	22	39	53	64	61	49	25	15	15	390

Woodland Hills Table 19

Woodland Hills													
Remaining Available Supply - Current Use - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	24	22	25	23	28	31	33	32	28	24	23	23	317
2017	12	10	12	11	13	15	16	15	13	12	11	11	151
2018	12	11	12	11	13	15	16	15	13	12	11	11	152
2019	12	11	12	11	14	15	16	15	13	12	11	11	153
2020	12	11	12	11	14	15	16	16	14	12	11	11	154
2021	12	11	12	11	14	15	16	16	14	12	11	11	154
2022	12	11	12	11	14	15	16	16	14	12	11	11	154
2023	12	11	12	11	14	15	16	16	14	12	11	11	154
2024	12	11	12	11	14	15	16	16	14	12	11	11	155
2025	12	11	12	11	14	15	16	16	14	12	11	11	155
2026	12	11	12	11	14	15	16	16	14	12	11	11	155
2027	12	11	12	11	14	15	16	16	14	12	11	11	155
2028	12	11	12	11	14	15	16	16	14	12	11	11	156
2029	12	11	12	11	14	15	16	16	14	12	11	11	156
2030	12	11	12	11	14	15	16	16	14	12	11	11	156
2031	12	11	12	11	14	15	16	16	14	12	11	11	156
2032	12	11	12	11	14	16	16	16	14	12	11	11	157
2033	12	11	12	11	14	16	16	16	14	12	11	11	157
2034	12	11	12	11	14	16	17	16	14	12	11	11	157
2035	12	11	12	11	14	16	17	16	14	12	11	11	158
2036	12	11	12	11	14	16	17	16	14	12	11	12	158
2037	12	11	13	11	14	16	17	16	14	12	11	12	158
2038	12	11	13	12	14	16	17	16	14	12	11	12	159
2039	12	11	13	12	14	16	17	16	14	12	11	12	159
2040	12	11	13	12	14	16	17	16	14	12	11	12	160
2041	12	11	13	12	14	16	17	16	14	12	11	12	160
2042	12	11	13	12	14	16	17	16	14	12	11	12	160
2043	12	11	13	12	14	16	17	16	14	12	11	12	161
2044	12	11	13	12	14	16	17	16	14	12	11	12	161
2045	12	11	13	12	14	16	17	16	14	12	12	12	161
2046	12	11	13	12	14	16	17	16	14	12	12	12	161
2047	12	11	13	12	14	16	17	16	14	12	12	12	162
2048	12	11	13	12	14	16	17	16	14	12	12	12	162
2049	12	11	13	12	14	16	17	16	14	12	12	12	162
2050	12	11	13	12	14	16	17	16	14	12	12	12	163
2051	13	11	13	12	14	16	17	17	14	12	12	12	163
2052	13	11	13	12	14	16	17	17	14	12	12	12	163
2053	13	11	13	12	14	16	17	17	14	13	12	12	164
2054	13	11	13	12	15	16	17	17	14	13	12	12	164
2055	13	11	13	12	15	16	17	17	14	13	12	12	164
2056	13	11	13	12	15	16	17	17	14	13	12	12	165
2057	13	11	13	12	15	16	17	17	15	13	12	12	165
2058	13	11	13	12	15	16	17	17	15	13	12	12	165
2059	13	11	13	12	15	16	17	17	15	13	12	12	166
2060	13	11	13	12	15	16	17	17	15	13	12	12	166
2061	13	12	13	12	15	16	17	17	15	13	12	12	166
2062	13	12	13	12	15	16	17	17	15	13	12	12	167
2063	13	12	13	12	15	17	18	17	15	13	12	12	167
2064	13	12	13	12	15	17	18	17	15	13	12	12	167
2065	13	12	13	12	15	17	18	17	15	13	12	12	167

Woodland Hills Table 20

Woodland Hills													
Remaining Available Supply - Current Use - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-6	-18	-28	-38	-35	-27	-8	0	0	-159
2018	0	0	0	-6	-19	-29	-39	-36	-28	-8	0	0	-164
2019	0	0	0	-6	-19	-30	-40	-37	-29	-8	0	0	-170
2020	0	0	0	-6	-20	-31	-41	-39	-29	-9	0	0	-175
2021	0	0	0	-6	-20	-32	-42	-39	-30	-9	0	0	-177
2022	0	0	0	-6	-20	-32	-42	-39	-30	-9	0	0	-179
2023	0	0	0	-6	-20	-32	-43	-40	-30	-9	0	0	-180
2024	0	0	0	-7	-21	-32	-43	-40	-31	-9	0	0	-182
2025	0	0	0	8	26	40	53	50	38	11	0	0	226
2026	0	0	0	8	25	40	53	49	38	11	0	0	224
2027	0	0	0	8	25	40	53	49	37	11	0	0	223
2028	0	0	0	8	25	39	52	49	37	11	0	0	221
2029	0	0	0	8	25	39	52	48	37	11	0	0	219
2030	0	0	0	8	25	39	51	48	37	11	0	0	217
2031	0	0	0	8	24	38	51	47	36	11	0	0	215
2032	0	0	0	8	24	38	50	47	36	10	0	0	213
2033	0	0	0	8	24	37	50	46	35	10	0	0	210
2034	0	0	0	7	23	37	49	46	35	10	0	0	208
2035	0	0	0	7	23	37	48	45	34	10	0	0	205
2036	0	0	0	7	23	36	48	45	34	10	0	0	203
2037	0	0	0	7	23	36	47	44	34	10	0	0	200
2038	0	0	0	7	22	35	47	43	33	10	0	0	198
2039	0	0	0	7	22	35	46	43	33	10	0	0	195
2040	0	0	0	7	22	34	45	42	32	9	0	0	193
2041	0	0	0	7	21	34	45	42	32	9	0	0	190
2042	0	0	0	7	21	33	44	41	32	9	0	0	188
2043	0	0	0	7	21	33	44	41	31	9	0	0	185
2044	0	0	0	7	21	33	43	40	31	9	0	0	183
2045	0	0	0	7	20	32	43	40	30	9	0	0	181
2046	0	0	0	6	20	32	42	39	30	9	0	0	178
2047	0	0	0	6	20	31	41	39	30	9	0	0	176
2048	0	0	0	6	20	31	41	38	29	8	0	0	173
2049	0	0	0	6	19	30	40	38	29	8	0	0	171
2050	0	0	0	6	19	30	40	37	28	8	0	0	168
2051	0	0	0	6	19	30	39	36	28	8	0	0	166
2052	0	0	0	6	18	29	39	36	27	8	0	0	164
2053	0	0	0	6	18	29	38	35	27	8	0	0	161
2054	0	0	0	6	18	28	37	35	27	8	0	0	159
2055	0	0	0	6	18	28	37	34	26	8	0	0	156
2056	0	0	0	6	17	27	36	34	26	8	0	0	154
2057	0	0	0	5	17	27	36	33	25	7	0	0	152
2058	0	0	0	5	17	27	35	33	25	7	0	0	149
2059	0	0	0	5	17	26	35	32	25	7	0	0	147
2060	0	0	0	5	16	26	34	32	24	7	0	0	144
2061	0	0	0	5	16	25	33	31	24	7	0	0	142
2062	0	0	0	5	16	25	33	31	23	7	0	0	139
2063	0	0	0	5	15	24	32	30	23	7	0	0	137
2064	0	0	0	5	15	24	32	30	23	7	0	0	134
2065	0	0	0	5	15	24	31	29	22	6	0	0	132

Woodland Hills Table 21

Woodland Hills													
Remaining Available Supply - Current Use - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	24	22	25	23	28	31	33	32	28	24	23	23	317
2017	12	10	12	5	-5	-13	-22	-20	-13	4	11	11	-8
2018	12	11	12	5	-5	-14	-23	-21	-14	4	11	11	-12
2019	12	11	12	5	-6	-15	-24	-22	-15	3	11	11	-17
2020	12	11	12	5	-6	-16	-25	-23	-16	3	11	11	-22
2021	12	11	12	5	-6	-16	-26	-23	-16	3	11	11	-23
2022	12	11	12	5	-7	-17	-26	-24	-16	3	11	11	-24
2023	12	11	12	5	-7	-17	-26	-24	-17	3	11	11	-26
2024	12	11	12	5	-7	-17	-27	-24	-17	3	11	11	-27
2025	12	11	12	19	39	56	70	65	52	23	11	11	381
2026	12	11	12	19	39	55	69	65	51	23	11	11	380
2027	12	11	12	19	39	55	69	65	51	23	11	11	378
2028	12	11	12	19	39	55	68	64	51	23	11	11	377
2029	12	11	12	19	39	54	68	64	51	23	11	11	375
2030	12	11	12	19	38	54	68	64	50	23	11	11	373
2031	12	11	12	19	38	54	67	63	50	22	11	11	371
2032	12	11	12	19	38	53	67	63	49	22	11	11	369
2033	12	11	12	19	38	53	66	62	49	22	11	11	367
2034	12	11	12	19	37	53	66	62	49	22	11	11	365
2035	12	11	12	19	37	52	65	61	48	22	11	11	363
2036	12	11	12	19	37	52	64	61	48	22	11	12	361
2037	12	11	13	19	37	51	64	60	48	22	11	12	359
2038	12	11	13	19	36	51	63	60	47	22	11	12	357
2039	12	11	13	19	36	50	63	59	47	22	11	12	354
2040	12	11	13	19	36	50	62	58	46	22	11	12	352
2041	12	11	13	18	36	50	62	58	46	22	11	12	350
2042	12	11	13	18	35	49	61	58	46	21	11	12	348
2043	12	11	13	18	35	49	61	57	45	21	11	12	346
2044	12	11	13	18	35	49	60	57	45	21	11	12	344
2045	12	11	13	18	35	48	60	56	45	21	12	12	342
2046	12	11	13	18	34	48	59	56	44	21	12	12	340
2047	12	11	13	18	34	47	58	55	44	21	12	12	338
2048	12	11	13	18	34	47	58	55	43	21	12	12	335
2049	12	11	13	18	34	46	57	54	43	21	12	12	333
2050	12	11	13	18	33	46	57	53	43	21	12	12	331
2051	13	11	13	18	33	46	56	53	42	21	12	12	329
2052	13	11	13	18	33	45	56	53	42	21	12	12	327
2053	13	11	13	18	33	45	55	52	41	20	12	12	325
2054	13	11	13	18	32	45	55	52	41	20	12	12	323
2055	13	11	13	18	32	44	54	51	41	20	12	12	321
2056	13	11	13	17	32	44	54	51	40	20	12	12	319
2057	13	11	13	17	32	43	53	50	40	20	12	12	317
2058	13	11	13	17	31	43	53	50	40	20	12	12	314
2059	13	11	13	17	31	42	52	49	39	20	12	12	312
2060	13	11	13	17	31	42	51	48	39	20	12	12	310
2061	13	12	13	17	31	42	51	48	38	20	12	12	308
2062	13	12	13	17	30	41	50	48	38	20	12	12	306
2063	13	12	13	17	30	41	50	47	38	19	12	12	304
2064	13	12	13	17	30	40	49	46	37	19	12	12	302
2065	13	12	13	17	30	40	49	46	37	19	12	12	300

Woodland Hills Table 22

Woodland Hills													
Remaining Available Supply - Conservation - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	24	22	25	23	28	31	33	32	28	24	23	23	317
2017	13	11	13	12	14	16	17	17	14	13	12	12	164
2018	13	11	13	12	15	16	17	17	15	13	12	12	165
2019	13	12	13	12	15	17	18	17	15	13	12	12	167
2020	13	12	13	12	15	17	18	17	15	13	12	12	169
2021	13	12	13	12	15	17	18	17	15	13	12	12	169
2022	13	12	13	12	15	17	18	17	15	13	12	12	169
2023	13	12	13	12	15	17	18	17	15	13	12	12	170
2024	13	12	13	12	15	17	18	17	15	13	12	12	170
2025	13	12	13	12	15	17	18	17	15	13	12	12	171
2026	13	12	14	12	15	17	18	17	15	13	12	12	171
2027	13	12	14	12	15	17	18	17	15	13	12	13	172
2028	13	12	14	12	15	17	18	17	15	13	12	13	172
2029	13	12	14	13	15	17	18	17	15	13	12	13	172
2030	13	12	14	13	15	17	18	17	15	13	12	13	173
2031	13	12	14	13	15	17	18	18	15	13	12	13	174
2032	13	12	14	13	15	17	18	18	15	13	12	13	174
2033	13	12	14	13	15	17	18	18	15	13	12	13	175
2034	13	12	14	13	16	17	18	18	15	13	13	13	175
2035	14	12	14	13	16	17	18	18	15	13	13	13	176
2036	14	12	14	13	16	17	19	18	16	14	13	13	177
2037	14	12	14	13	16	18	19	18	16	14	13	13	177
2038	14	12	14	13	16	18	19	18	16	14	13	13	178
2039	14	12	14	13	16	18	19	18	16	14	13	13	179
2040	14	12	14	13	16	18	19	18	16	14	13	13	179
2041	14	12	14	13	16	18	19	18	16	14	13	13	180
2042	14	13	14	13	16	18	19	18	16	14	13	13	181
2043	14	13	14	13	16	18	19	18	16	14	13	13	181
2044	14	13	14	13	16	18	19	18	16	14	13	13	182
2045	14	13	14	13	16	18	19	18	16	14	13	13	182
2046	14	13	14	13	16	18	19	19	16	14	13	13	183
2047	14	13	15	13	16	18	19	19	16	14	13	13	184
2048	14	13	15	13	16	18	19	19	16	14	13	13	184
2049	14	13	15	13	16	18	19	19	16	14	13	13	185
2050	14	13	15	13	16	18	19	19	16	14	13	14	185
2051	14	13	15	13	16	18	20	19	16	14	13	14	186
2052	14	13	15	14	17	18	20	19	16	14	13	14	187
2053	14	13	15	14	17	19	20	19	16	14	13	14	187
2054	14	13	15	14	17	19	20	19	17	14	13	14	188
2055	14	13	15	14	17	19	20	19	17	14	13	14	188
2056	14	13	15	14	17	19	20	19	17	14	13	14	189
2057	15	13	15	14	17	19	20	19	17	14	14	14	189
2058	15	13	15	14	17	19	20	19	17	15	14	14	190
2059	15	13	15	14	17	19	20	19	17	15	14	14	191
2060	15	13	15	14	17	19	20	19	17	15	14	14	191
2061	15	13	15	14	17	19	20	19	17	15	14	14	192
2062	15	13	15	14	17	19	20	19	17	15	14	14	192
2063	15	13	15	14	17	19	20	20	17	15	14	14	193
2064	15	13	15	14	17	19	20	20	17	15	14	14	193
2065	15	13	15	14	17	19	20	20	17	15	14	14	194

Woodland Hills Table 23

Woodland Hills													
Remaining Available Supply - Conservation - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-6	-18	-28	-38	-35	-27	-8	0	0	-159
2018	0	0	0	-6	-19	-29	-39	-36	-28	-8	0	0	-164
2019	0	0	0	-6	-19	-30	-40	-37	-29	-8	0	0	-170
2020	0	0	0	-6	-20	-31	-41	-39	-29	-9	0	0	-175
2021	0	0	0	-6	-20	-32	-42	-39	-30	-9	0	0	-177
2022	0	0	0	-6	-20	-32	-42	-39	-30	-9	0	0	-179
2023	0	0	0	-6	-20	-32	-43	-40	-30	-9	0	0	-180
2024	0	0	0	-7	-21	-32	-43	-40	-31	-9	0	0	-182
2025	0	0	0	8	26	40	53	50	38	11	0	0	226
2026	0	0	0	8	25	40	53	49	38	11	0	0	224
2027	0	0	0	8	25	40	53	49	37	11	0	0	223
2028	0	0	0	8	25	39	52	49	37	11	0	0	221
2029	0	0	0	8	25	39	52	48	37	11	0	0	219
2030	0	0	0	8	25	39	51	48	37	11	0	0	217
2031	0	0	0	8	24	38	51	47	36	11	0	0	215
2032	0	0	0	8	24	38	50	47	36	10	0	0	213
2033	0	0	0	8	24	37	50	46	35	10	0	0	210
2034	0	0	0	7	23	37	49	46	35	10	0	0	208
2035	0	0	0	7	23	37	48	45	34	10	0	0	205
2036	0	0	0	7	23	36	48	45	34	10	0	0	203
2037	0	0	0	7	23	36	47	44	34	10	0	0	200
2038	0	0	0	7	22	35	47	43	33	10	0	0	198
2039	0	0	0	7	22	35	46	43	33	10	0	0	195
2040	0	0	0	7	22	34	45	42	32	9	0	0	193
2041	0	0	0	7	21	34	45	42	32	9	0	0	190
2042	0	0	0	7	21	33	44	41	32	9	0	0	188
2043	0	0	0	7	21	33	44	41	31	9	0	0	185
2044	0	0	0	7	21	33	43	40	31	9	0	0	183
2045	0	0	0	7	20	32	43	40	30	9	0	0	181
2046	0	0	0	6	20	32	42	39	30	9	0	0	178
2047	0	0	0	6	20	31	41	39	30	9	0	0	176
2048	0	0	0	6	20	31	41	38	29	8	0	0	173
2049	0	0	0	6	19	30	40	38	29	8	0	0	171
2050	0	0	0	6	19	30	40	37	28	8	0	0	168
2051	0	0	0	6	19	30	39	36	28	8	0	0	166
2052	0	0	0	6	18	29	39	36	27	8	0	0	164
2053	0	0	0	6	18	29	38	35	27	8	0	0	161
2054	0	0	0	6	18	28	37	35	27	8	0	0	159
2055	0	0	0	6	18	28	37	34	26	8	0	0	156
2056	0	0	0	6	17	27	36	34	26	8	0	0	154
2057	0	0	0	5	17	27	36	33	25	7	0	0	152
2058	0	0	0	5	17	27	35	33	25	7	0	0	149
2059	0	0	0	5	17	26	35	32	25	7	0	0	147
2060	0	0	0	5	16	26	34	32	24	7	0	0	144
2061	0	0	0	5	16	25	33	31	24	7	0	0	142
2062	0	0	0	5	16	25	33	31	23	7	0	0	139
2063	0	0	0	5	15	24	32	30	23	7	0	0	137
2064	0	0	0	5	15	24	32	30	23	7	0	0	134
2065	0	0	0	5	15	24	31	29	22	6	0	0	132

Woodland Hills Table 24

Woodland Hills													
Remaining Available Supply - Conservation - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	24	22	25	23	28	31	33	32	28	24	23	23	317
2017	13	11	13	6	-3	-12	-20	-18	-12	5	12	12	5
2018	13	11	13	6	-4	-13	-21	-19	-13	5	12	12	1
2019	13	12	13	6	-4	-14	-23	-20	-14	4	12	12	-3
2020	13	12	13	6	-5	-15	-24	-22	-15	4	12	12	-7
2021	13	12	13	6	-5	-15	-24	-22	-15	4	12	12	-8
2022	13	12	13	6	-5	-15	-24	-22	-15	4	12	12	-9
2023	13	12	13	6	-5	-15	-25	-22	-15	4	12	12	-10
2024	13	12	13	6	-5	-16	-25	-23	-16	4	12	12	-12
2025	13	12	13	21	41	57	71	67	53	24	12	12	397
2026	13	12	14	20	41	57	71	67	53	24	12	12	396
2027	13	12	14	20	40	57	71	66	53	24	12	13	394
2028	13	12	14	20	40	56	70	66	52	24	12	13	393
2029	13	12	14	20	40	56	70	66	52	24	12	13	392
2030	13	12	14	20	40	56	69	65	52	24	12	13	390
2031	13	12	14	20	40	55	69	65	51	24	12	13	389
2032	13	12	14	20	39	55	68	64	51	24	12	13	387
2033	13	12	14	20	39	55	68	64	51	24	12	13	385
2034	13	12	14	20	39	54	67	63	50	24	13	13	383
2035	14	12	14	20	39	54	67	63	50	24	13	13	381
2036	14	12	14	20	39	54	66	62	50	23	13	13	380
2037	14	12	14	20	38	53	66	62	49	23	13	13	378
2038	14	12	14	20	38	53	65	62	49	23	13	13	376
2039	14	12	14	20	38	52	65	61	48	23	13	13	374
2040	14	12	14	20	38	52	64	61	48	23	13	13	372
2041	14	12	14	20	37	52	64	60	48	23	13	13	370
2042	14	13	14	20	37	51	63	60	47	23	13	13	368
2043	14	13	14	20	37	51	63	59	47	23	13	13	367
2044	14	13	14	20	37	51	62	59	47	23	13	13	365
2045	14	13	14	20	37	50	62	58	46	23	13	13	363
2046	14	13	14	20	36	50	61	58	46	23	13	13	361
2047	14	13	15	20	36	49	61	57	46	23	13	13	359
2048	14	13	15	20	36	49	60	57	45	23	13	13	357
2049	14	13	15	20	36	49	60	56	45	23	13	13	356
2050	14	13	15	20	35	48	59	56	45	22	13	14	354
2051	14	13	15	19	35	48	59	55	44	22	13	14	352
2052	14	13	15	19	35	48	58	55	44	22	13	14	350
2053	14	13	15	19	35	47	58	54	44	22	13	14	348
2054	14	13	15	19	35	47	57	54	43	22	13	14	347
2055	14	13	15	19	34	46	57	53	43	22	13	14	345
2056	14	13	15	19	34	46	56	53	42	22	13	14	343
2057	15	13	15	19	34	46	56	53	42	22	14	14	341
2058	15	13	15	19	34	45	55	52	42	22	14	14	339
2059	15	13	15	19	33	45	55	52	41	22	14	14	337
2060	15	13	15	19	33	45	54	51	41	22	14	14	335
2061	15	13	15	19	33	44	54	51	41	22	14	14	333
2062	15	13	15	19	33	44	53	50	40	22	14	14	332
2063	15	13	15	19	33	43	53	50	40	21	14	14	330
2064	15	13	15	19	32	43	52	49	40	21	14	14	328
2065	15	13	15	19	32	43	52	49	39	21	14	14	326

Woodland Hills Table 25

Woodland Hills													
Remaining Available Supply - GC - Indoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	24	22	25	23	28	31	33	32	28	24	23	23	317
2017	13	11	13	12	14	16	17	17	14	13	12	12	164
2018	13	11	13	12	15	16	17	17	15	13	12	12	166
2019	13	12	13	12	15	17	18	17	15	13	12	12	168
2020	13	12	13	12	15	17	18	17	15	13	12	12	170
2021	13	12	14	12	15	17	18	17	15	13	12	12	171
2022	13	12	14	13	15	17	18	17	15	13	12	13	172
2023	13	12	14	13	15	17	18	18	15	13	12	13	174
2024	13	12	14	13	15	17	18	18	15	13	12	13	175
2025	13	12	14	13	16	17	18	18	15	13	13	13	176
2026	14	12	14	13	16	18	19	18	16	14	13	13	177
2027	14	12	14	13	16	18	19	18	16	14	13	13	178
2028	14	12	14	13	16	18	19	18	16	14	13	13	179
2029	14	13	14	13	16	18	19	18	16	14	13	13	181
2030	14	13	14	13	16	18	19	18	16	14	13	13	182
2031	14	13	14	13	16	18	19	19	16	14	13	13	183
2032	14	13	15	13	16	18	19	19	16	14	13	13	184
2033	14	13	15	13	16	18	19	19	16	14	13	14	185
2034	14	13	15	14	17	18	20	19	16	14	13	14	186
2035	14	13	15	14	17	19	20	19	16	14	13	14	188
2036	14	13	15	14	17	19	20	19	17	14	13	14	189
2037	15	13	15	14	17	19	20	19	17	15	14	14	190
2038	15	13	15	14	17	19	20	19	17	15	14	14	191
2039	15	13	15	14	17	19	20	19	17	15	14	14	193
2040	15	13	15	14	17	19	20	20	17	15	14	14	194
2041	15	13	15	14	17	19	20	20	17	15	14	14	195
2042	15	14	15	14	17	19	21	20	17	15	14	14	196
2043	15	14	16	14	17	19	21	20	17	15	14	14	197
2044	15	14	16	14	17	20	21	20	17	15	14	14	197
2045	15	14	16	14	18	20	21	20	17	15	14	14	198
2046	15	14	16	14	18	20	21	20	18	15	14	15	199
2047	15	14	16	15	18	20	21	20	18	15	14	15	200
2048	15	14	16	15	18	20	21	20	18	15	14	15	201
2049	16	14	16	15	18	20	21	20	18	15	14	15	202
2050	16	14	16	15	18	20	21	21	18	16	15	15	203
2051	16	14	16	15	18	20	21	21	18	16	15	15	204
2052	16	14	16	15	18	20	22	21	18	16	15	15	205
2053	16	14	16	15	18	20	22	21	18	16	15	15	206
2054	16	14	16	15	18	20	22	21	18	16	15	15	207
2055	16	14	16	15	18	21	22	21	18	16	15	15	208
2056	16	14	17	15	18	21	22	21	18	16	15	15	209
2057	16	15	17	15	19	21	22	21	18	16	15	15	210
2058	16	15	17	15	19	21	22	21	19	16	15	15	211
2059	16	15	17	15	19	21	22	21	19	16	15	15	212
2060	16	15	17	15	19	21	22	22	19	16	15	16	213
2061	16	15	17	16	19	21	22	22	19	16	15	16	214
2062	16	15	17	16	19	21	23	22	19	16	15	16	215
2063	17	15	17	16	19	21	23	22	19	17	15	16	216
2064	17	15	17	16	19	22	23	22	19	17	16	16	218
2065	17	15	17	16	19	22	23	22	19	17	16	16	219

Woodland Hills Table 26

Woodland Hills													
Remaining Available Supply - GC - Outdoor													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	-6	-18	-28	-38	-35	-27	-8	0	0	-159
2018	0	0	0	-6	-18	-29	-38	-36	-27	-8	0	0	-163
2019	0	0	0	-6	-19	-30	-39	-36	-28	-8	0	0	-166
2020	0	0	0	-6	-19	-30	-40	-37	-28	-8	0	0	-169
2021	0	0	0	-6	-19	-30	-40	-37	-28	-8	0	0	-168
2022	0	0	0	-6	-19	-30	-39	-37	-28	-8	0	0	-167
2023	0	0	0	-6	-19	-30	-39	-36	-28	-8	0	0	-166
2024	0	0	0	-6	-19	-29	-39	-36	-28	-8	0	0	-165
2025	0	0	0	9	28	44	58	54	41	12	0	0	247
2026	0	0	0	9	28	44	58	55	42	12	0	0	248
2027	0	0	0	9	28	44	59	55	42	12	0	0	249
2028	0	0	0	9	28	45	59	55	42	12	0	0	250
2029	0	0	0	9	28	45	59	55	42	12	0	0	251
2030	0	0	0	9	29	45	60	56	42	12	0	0	253
2031	0	0	0	9	29	45	60	56	42	12	0	0	252
2032	0	0	0	9	28	45	60	55	42	12	0	0	252
2033	0	0	0	9	28	45	59	55	42	12	0	0	252
2034	0	0	0	9	28	45	59	55	42	12	0	0	252
2035	0	0	0	9	28	45	59	55	42	12	0	0	251
2036	0	0	0	9	28	45	59	55	42	12	0	0	251
2037	0	0	0	9	28	45	59	55	42	12	0	0	251
2038	0	0	0	9	28	45	59	55	42	12	0	0	251
2039	0	0	0	9	28	45	59	55	42	12	0	0	250
2040	0	0	0	9	28	45	59	55	42	12	0	0	250
2041	0	0	0	9	28	44	59	55	42	12	0	0	249
2042	0	0	0	9	28	44	59	55	42	12	0	0	248
2043	0	0	0	9	28	44	58	54	41	12	0	0	247
2044	0	0	0	9	28	44	58	54	41	12	0	0	246
2045	0	0	0	9	28	44	58	54	41	12	0	0	245
2046	0	0	0	9	28	43	58	54	41	12	0	0	244
2047	0	0	0	9	27	43	57	53	41	12	0	0	243
2048	0	0	0	9	27	43	57	53	41	12	0	0	242
2049	0	0	0	9	27	43	57	53	40	12	0	0	241
2050	0	0	0	9	27	43	57	53	40	12	0	0	239
2051	0	0	0	9	27	42	56	52	40	12	0	0	239
2052	0	0	0	9	27	42	56	52	40	12	0	0	238
2053	0	0	0	9	27	42	56	52	40	12	0	0	237
2054	0	0	0	8	27	42	56	52	40	12	0	0	236
2055	0	0	0	8	27	42	55	52	39	12	0	0	235
2056	0	0	0	8	26	42	55	51	39	11	0	0	234
2057	0	0	0	8	26	41	55	51	39	11	0	0	233
2058	0	0	0	8	26	41	55	51	39	11	0	0	232
2059	0	0	0	8	26	41	55	51	39	11	0	0	231
2060	0	0	0	8	26	41	54	51	39	11	0	0	230
2061	0	0	0	8	26	41	54	50	39	11	0	0	230
2062	0	0	0	8	26	41	54	51	39	11	0	0	230
2063	0	0	0	8	26	41	54	51	39	11	0	0	231
2064	0	0	0	8	26	41	55	51	39	11	0	0	231
2065	0	0	0	8	26	41	55	51	39	11	0	0	232

Woodland Hills Table 27

Woodland Hills													
Remaining Available Supply - GC - Total													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2016	24	22	25	23	28	31	33	32	28	24	23	23	317
2017	13	11	13	6	-3	-12	-20	-18	-12	5	12	12	5
2018	13	11	13	6	-4	-13	-21	-19	-13	5	12	12	3
2019	13	12	13	6	-4	-13	-22	-20	-13	5	12	12	2
2020	13	12	13	6	-4	-13	-22	-20	-13	5	12	12	1
2021	13	12	14	6	-4	-13	-22	-20	-13	5	12	12	3
2022	13	12	14	6	-4	-13	-21	-19	-13	5	12	13	5
2023	13	12	14	7	-3	-12	-21	-19	-13	5	12	13	8
2024	13	12	14	7	-3	-12	-20	-19	-12	5	12	13	10
2025	13	12	14	22	43	61	77	72	57	26	13	13	422
2026	14	12	14	22	44	62	77	72	57	26	13	13	425
2027	14	12	14	22	44	62	77	73	58	26	13	13	427
2028	14	12	14	22	44	62	78	73	58	26	13	13	430
2029	14	13	14	22	44	63	78	74	58	26	13	13	432
2030	14	13	14	22	45	63	79	74	58	26	13	13	434
2031	14	13	14	22	45	63	79	74	58	26	13	13	435
2032	14	13	15	22	45	63	79	74	59	26	13	13	436
2033	14	13	15	23	45	63	79	74	59	27	13	14	437
2034	14	13	15	23	45	63	79	74	59	27	13	14	438
2035	14	13	15	23	45	63	79	74	59	27	13	14	439
2036	14	13	15	23	45	63	79	74	59	27	13	14	440
2037	15	13	15	23	45	63	79	74	59	27	14	14	441
2038	15	13	15	23	45	64	79	74	59	27	14	14	442
2039	15	13	15	23	45	64	79	75	59	27	14	14	443
2040	15	13	15	23	45	64	79	75	59	27	14	14	444
2041	15	13	15	23	45	64	79	74	59	27	14	14	444
2042	15	14	15	23	45	63	79	74	59	27	14	14	444
2043	15	14	16	23	45	63	79	74	59	27	14	14	443
2044	15	14	16	23	45	63	79	74	59	27	14	14	443
2045	15	14	16	23	45	63	79	74	59	27	14	14	443
2046	15	14	16	23	45	63	78	74	58	27	14	15	443
2047	15	14	16	23	45	63	78	74	58	27	14	15	443
2048	15	14	16	23	45	63	78	74	58	27	14	15	443
2049	16	14	16	23	45	63	78	73	58	27	14	15	443
2050	16	14	16	23	45	63	78	73	58	27	15	15	443
2051	16	14	16	23	45	63	78	73	58	27	15	15	443
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2060	16	15	17	24	45	62	77	72	57	28	15	16	443
2061	16	15	17	24	45	62	77	72	57	28	15	16	443
2062	16	15	17	24	45	62	77	72	58	28	15	16	445
2063	17	15	17	24	45	62	77	73	58	28	15	16	447
2064	17	15	17	24	45	63	77	73	58	28	16	16	449
2065	17	15	17	24	46	63	78	73	58	28	16	16	451

Appendix B
Groundwater Remaining Safe Yield Report

CENTRAL UTAH WATER
CONSERVANCY DISTRICT

REMAINING SAFE YIELD REPORT

(HAL Project No.: 078.06.100)

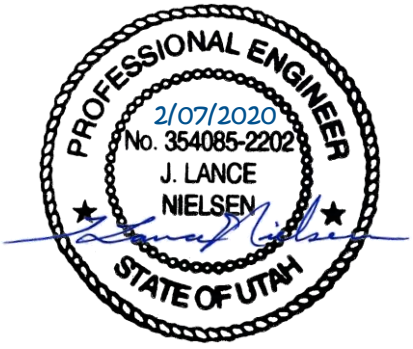
February 2020

HANSEN ALLEN & LUCE INC
ENGINEERS

CENTRAL UTAH WATER CONSERVANCY DISTRICT

REMAINING SAFE YIELD REPORT

(HAL Project No.: 078.06.100)



J. Lance Nielsen, P.E.
Principal, Project Engineer

HANSEN ALLEN & LUCE inc
ENGINEERS

February 2020

TABLE OF CONTENTS

TABLE OF CONTENTS ..... **i**
LIST OF TABLES ..... **iii**
LIST OF FIGURES ..... **iii**

CHAPTER 1 – INTRODUCTION **1-1**
STUDY AREA 1-1
DATA SOURCES 1-1
Technical Publication 111, Southern Utah and Goshen Valleys 1-1
Open-File Report 2013-1171 1-1
Technical Publication 114, Juab Valley 1-1
Groundwater Conditions in Utah Reports 1-2
PRISM Annual Precipitation 1-2
Water Use Data 1-2
Well Logs 1-2
Water Rights 1-2
SAFE YIELD DEFINITION 1-2

CHAPTER 2 – UTAH COUNTY **2-1**
SUBAREAS 2-1
SUMMARY OF EXISTING MODEL 2-1
Groundwater Hydrologic Components 2-1
MODEL UPDATE THROUGH 2018 2-3
Surface Recharge 2-3
Bedrock Recharge 2-4
Well Withdrawals 2-4
MODEL UPDATE THROUGH SAFE YIELD SCENARIO 2-5
Model Extension and Total Well Withdrawals 2-5
Recharge Projections 2-6
Well Withdrawals 2-6
RESULTS 2-7
CAUTIONS, RECOMMENDATIONS, AND CONCLUSIONS 2-7

CHAPTER 3 - JUAB COUNTY **3-1**
SUBAREAS 3-1
SUMMARY OF EXISTING MODEL 3-1
Groundwater Hydrologic Components 3-1
MODEL UPDATE THROUGH 2018 3-2
Surface Recharge 3-2
Bedrock Recharge 3-3
Well Withdrawals 3-4
MODEL UPDATE THROUGH SAFE YIELD SCENARIO 3-5
Model Extension and Total Well Withdrawals 3-5
Recharge Projections 3-5
Well Withdrawals 3-5
RESULTS 3-6
CAUTIONS, RECOMMENDATIONS, AND CONCLUSIONS 3-7
REFERENCES **R-1**

APPENDIX A
MODEL RESULT MAPS
Utah County – Model Groundwater Levels – 2011 ..... A-1
Utah County – Model Groundwater Levels – 2018 ..... A-2
Utah County – Model Groundwater Levels – Safe Yield A-3
Utah County – Groundwater Level Impact – 2018 vs 2011 ..... A-4
Utah County – Groundwater Level Impact – Safe Yield vs 2018 ..... A-5
Juab County – Model Groundwater Levels – 1992 ..... A-6
Juab County – Model Groundwater Levels – 2018 ..... A-7
Juab County – Model Groundwater Levels – Safe Yield A-8
Juab County – Groundwater Level Impact – 2018 vs 1992 ..... A-9
Juab County – Groundwater Level Impact – Safe Yield vs 2018 ..... A-10

APPENDIX B
TABULAR RESULTS
Annual Withdrawals by Subarea – Utah County B-1
Annual Withdrawals by Subarea – Juab County B-2

APPENDIX C
DIGITAL GROUNDWATER MODELS

APPENDIX D
Water Level Graphs

LIST OF TABLES

Table 2-1 2018 Pumping vs Safe Yield – Utah County 2-6
Table 3-1 2018 Pumping vs Safe Yield – Juab County 3-5

LIST OF FIGURES

Figure 1-1 Study Area ..... after 1-1
Figure 2-1 Utah County Subareas ..... after 2-1
Figure 2-2 UC – Surface and Bedrock Recharge Totals 2-2
Figure 2-3 UC – Modeled Utah Lake Levels (NGVD 1929) 2-3
Figure 2-4 UC – Precipitation vs Surface Recharge (excludes streams) 2-4
Figure 2-5 UC – Surface Recharge Volumes (excluding streams) through 2018 2-4
Figure 2-6 UC – Municipal and Total Well Withdrawals through 2018 2-5
Figure 2-7 UC – Total Well Withdrawals through Safe Yield 2-7
Figure 3-1 Juab County County Subareas ..... after 3-1
Figure 3-2 JC – Surface and Bedrock Recharge Totals 3-2
Figure 3-3 JC – Precipitation vs Surface Recharge 3-3
Figure 3-4 JC – Surface Recharge Volumes through 2018 3-3
Figure 3-5 JC – Precipitation vs Bedrock Recharge 3-4
Figure 3-6 JC – Municipal and Total Well Withdrawals through 2018 3-4
Figure 3-7 JC – Total Well Withdrawals through Safe Yield 3-6

EXECUTIVE SUMMARY

BACKGROUND AND PURPOSE OF STUDY

Central Utah Water Conservancy District (CUWCD) commissioned a study with the objectives of estimating current water sources and current and future water needs in order to plan water development projects to meet projected shortages. In the course of this study, it became evident that, from a supply perspective, the largest unknown is long-term groundwater reliability. The purpose of this report is to provide an estimate for how much additional groundwater can be responsibly withdrawn from the aquifer.

Study Area

The study area for this study is as shown in Figure 1-1 (after page 1-1). The study area is modeled by two groundwater models which were obtained from the USGS: one models Southern Utah and Goshen Valleys and the other models Juab Valley.

Model Update through 2018

The two models were updated through 2018 using data sources including Technical Publications, Groundwater Conditions in Utah Reports, gridded annual precipitation, water use data, well logs, and water rights. Model surface and bedrock recharge was updated using correlations to annual precipitation dating back to 1981. For Southern Utah and Goshen Valleys, bedrock recharge was maintained at the constant value.

Available historical groundwater use data was applied to the model. Total groundwater use was estimated using the Groundwater Conditions in Utah Reports. The remaining withdrawals (those which were a portion of the total estimated withdrawals but which were not accounted for by available historical groundwater use data) were distributed based on relative historic use to the remaining model wells. Figures ES-1 and ES-2 show the total well withdrawals through 2018 by user type for Southern Utah, Goshen and Juab Valleys.

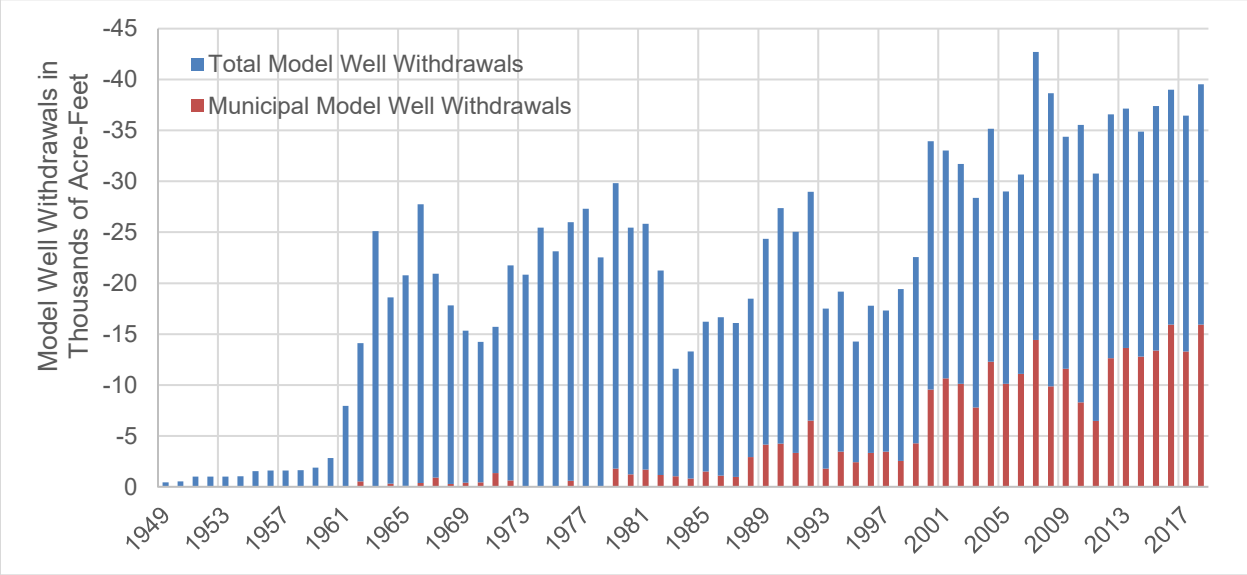


Figure ES-1: Southern Utah and Goshen Valleys Municipal and Total Well Withdrawals

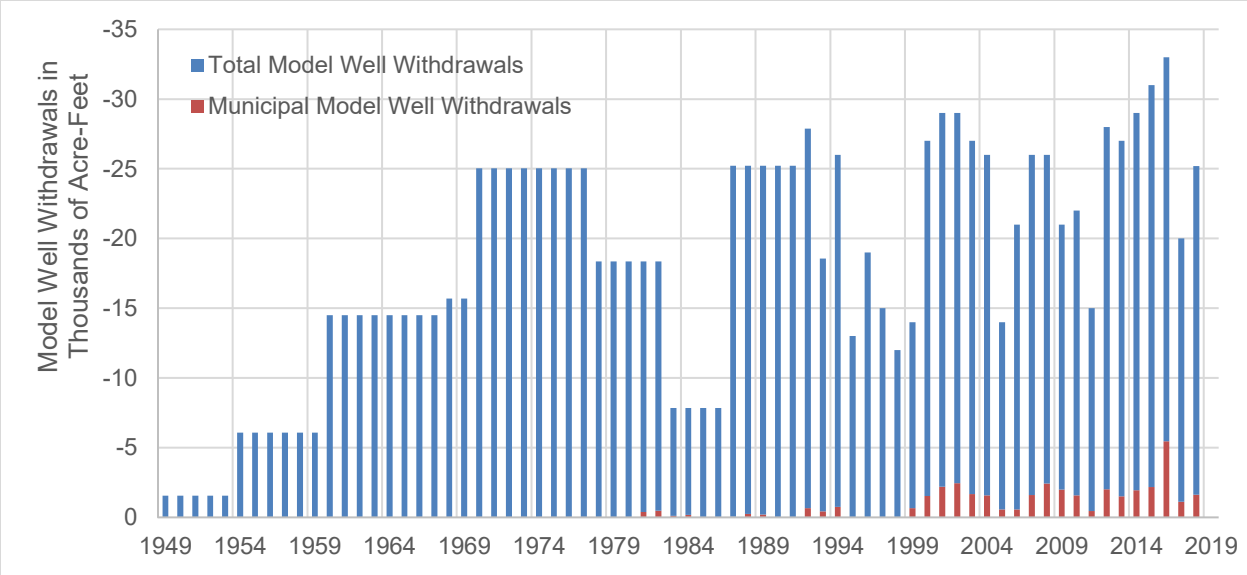


Figure ES-2: Juab Valley Municipal and Total Well Withdrawals

Model Update through Safe Yield Scenario

The model was extended through model year 2039 to model steady well withdrawal increase and a stabilization period. Well withdrawals were increased up to the safe yield which was estimated to be 50% of the total recharge. Surface and bedrock recharge were assumed to remain at the average value. Total recharge, estimated safe yield, 2018 pumping withdrawals and modeled withdrawals at safe yield scenario for Southern Utah, Goshen, and Juab Valleys can be seen in Tables ES-1 and ES-2. Total recharge for Southern Utah, Goshen, and Juab Valleys through safe yield scenario can be seen in Figures ES-3 and ES-4.

Table ES-2
2018 Pumping vs Safe Yield (in Acre-Feet)

Subarea	Total Available Recharge	Estimated Safe Yield (50% of Total)	2018 Pumping Withdrawals	Modeled Withdrawals at Safe Yield Scenario
Benjamin/Lakeshore	5,480	2,740	36	2,740
Elk Ridge	6,660	3,330	927	3,330
Genola	4,210	2,100	0	2,100
Goshen	2,400	1,200	996	1,200
Goshen Valley/Elberta*	18,870	9,430	16,933	16,933
Mapleton	9,400	4,700	5,231	5,231
Payson	15,870	7,930	2,900	7,930
Salem	13,800	6,900	2,008	6,900
Santaquin	16,460	8,230	1,488	8,230
Spanish Fork	20,410	10,200	2,564	10,200
Springville	31,900	15,950	5,452	15,950
Wetlands	2,520	1,260	1,016	1,260
Woodland Hills	4,330	2,160	0	2,160
Total	152,310	76,130	39,550	84,164

*Goshen Valley/Elberta includes 4,500 AF/year of subsurface inflow from Mosida Hills.

Table ES-2
2018 Pumping vs Safe Yield (in Acre-Feet)

Subarea	Total Available Recharge	Estimated Safe Yield (50% of Total)	2018 Pumping Withdrawals	Modeled Withdrawals at Safe Yield Scenario
Levan	11,400	5,700	8,980	8,980
Mona	15,000	7,500	5,225	7,500
Nephi	29,900	14,950	10,910	14,950
Rocky Ridge	1,800	250	85	250
Total	58,100	28,400	25,200	31,680

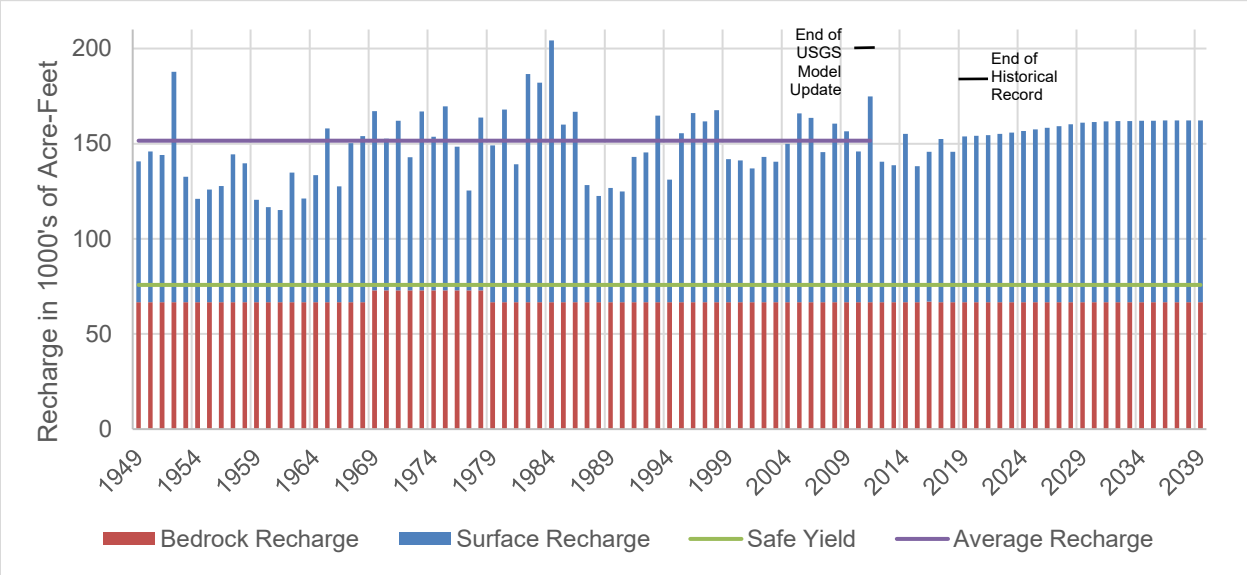


Figure ES-3: Southern Utah and Goshen Valleys Surface and Bedrock Recharge Totals

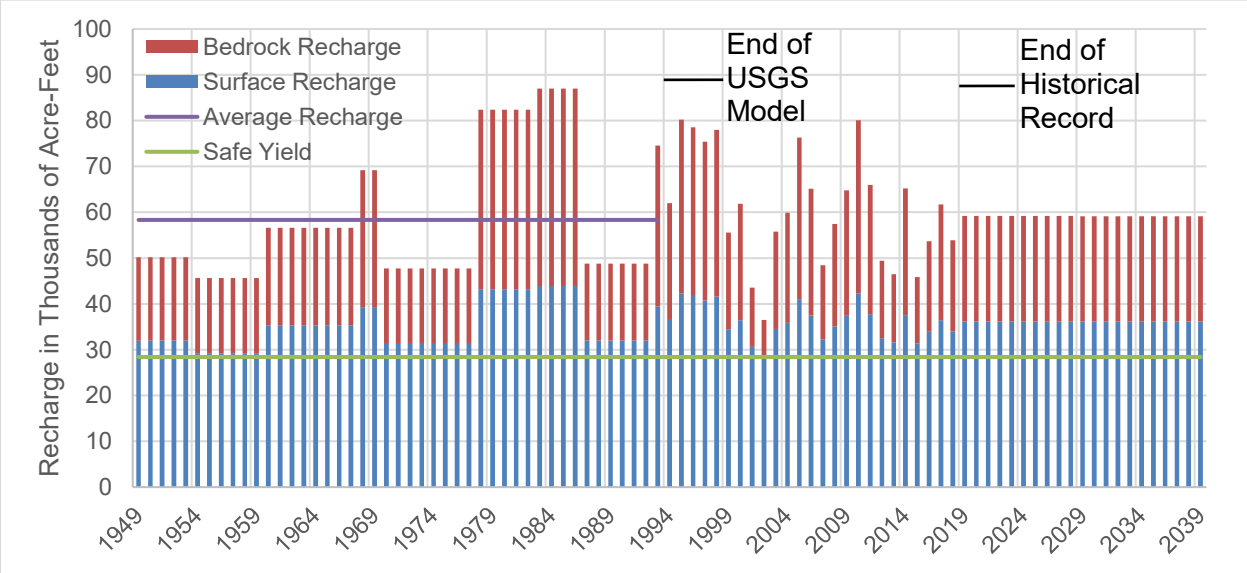


Figure ES-4: Juab Valley Surface and Bedrock Recharge Totals

Conclusions and Recommendations

Model (and real-world) groundwater levels demonstrate that water levels have declined since 1949 and over recent years. Due to projected increasing future withdrawals, water levels will continue to decline.

It is recommended that:

1) Impacted communities identify the consequences which are unacceptable when considering the amount of water they withdraw from the aquifer.
2) A safety factor be considered to safeguard against model imprecision.
3) The aquifer be managed cooperatively. Such management should provide sustainable, long-term water supply.
4) This study be reviewed and updated every 5-10 years to reevaluate groundwater conditions, or more frequently if assumptions included in this effort change significantly.
5) No additional well withdrawals be allowed within the Goshen Valley/Elberta, Mapleton, or Levan subareas, as these subareas are currently withdrawing more than 50% of the total subarea's recharge, unless a managed aquifer recharge project be implemented to mitigate aquifer impacts.
6) As agricultural land converts to municipal development, that the cities obtain the rights to this water to accommodate future growth.
7) Continued monitoring of groundwater withdrawals and levels occur along with estimates of recharge (% of normal)

The results of this study are limited by the accuracy of the historic estimates and future projections. This study contains a number of uncertainties, including: location and magnitude of historic withdrawals and recharge, climate change, and changes in future precipitation and pumping. In light of this, it is recommended that a safety factor be considered. It is expected that this study will be reviewed and updated every 5-10 years, or more frequently if the assumptions included in this effort change significantly.

CHAPTER 1 – INTRODUCTION

STUDY AREA

The study area includes communities in Utah County and Juab County along the I-15 corridor, ranging from Springville to Levan. The study area is bounded longitudinally by the Wasatch and East Tintic Mountain Ranges. A map of the study area can be seen in Figure 1-1.

DATA SOURCES

Two groundwater models were obtained from the USGS: one which models Southern Utah and Goshen Valleys (approximately Springville to Elberta), and the other which models Juab Valley (approximately Rocky Ridge to Levan). A variety of data sources were used to update the two models through 2018. A summary of the data sources can be found below.

Technical Publication 111, Hydrology and Simulation of Ground Water Flow in Southern Utah and Goshen Valleys, published 1995

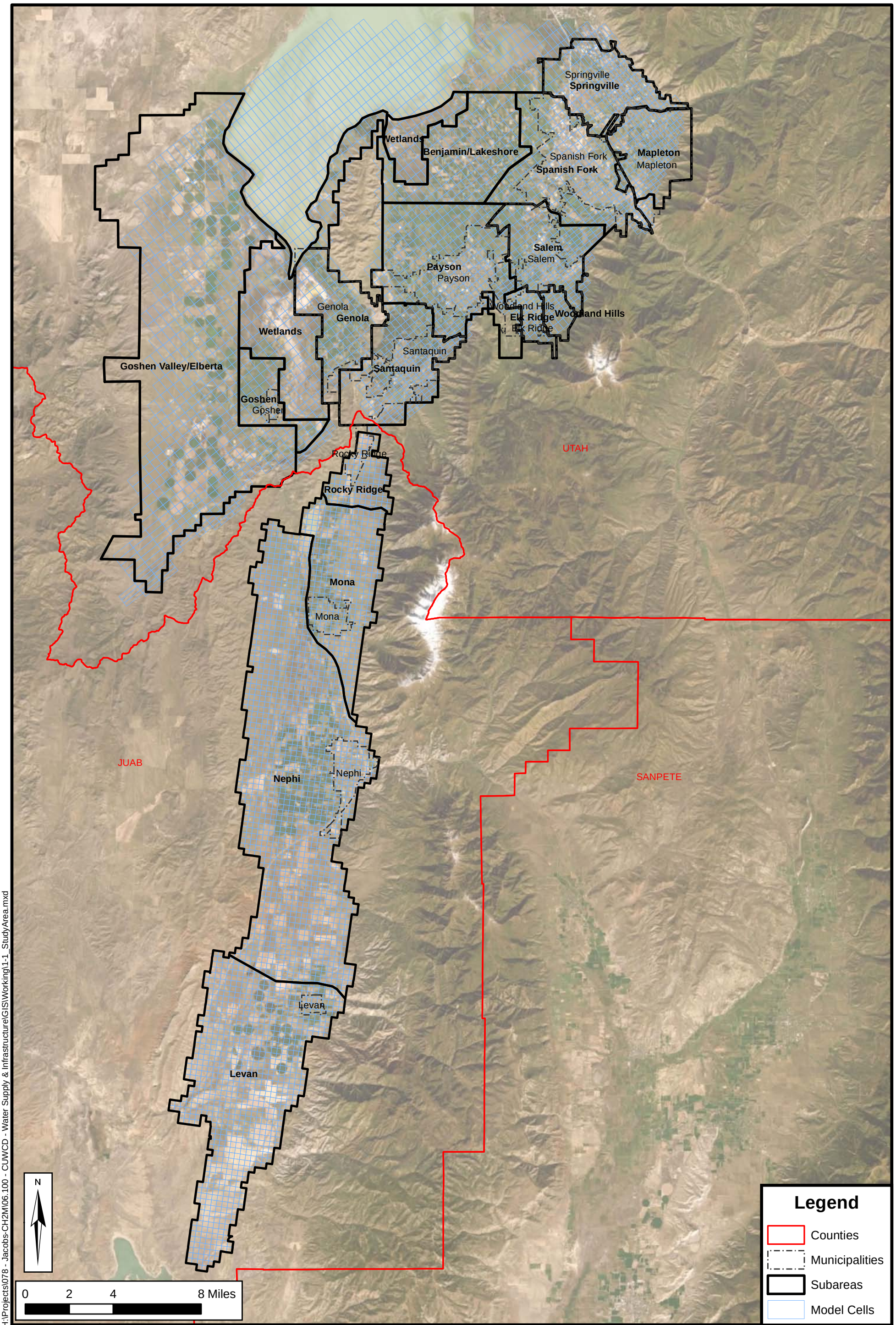
This report describes the groundwater system of southern Utah and Goshen Valleys in Utah County. The report emphasizes the recharge, discharge, and movement of groundwater, and also describes water level fluctuations, aquifer properties, groundwater quality, and possible effects of further groundwater withdrawal. Surface water hydrology is described as it relates to the groundwater system. Specific items discussed include recharge to the groundwater system from streams, canals, irrigation, precipitation, and subsurface inflow from consolidated rock, and discharge from the ground-water system to springs and drains, by evapotranspiration, to wells, and by seepage to Utah Lake. A three-dimensional ground-water flow model used to simulate the ground-water system in southern Utah and Goshen Valleys is described.

Open-File Report 2013-1171, Evaluation of the groundwater flow model for southern Utah and Goshen Valleys, Utah, updated to conditions through 2011, with new projections and groundwater management simulations, published 2013

This report describes the update to the groundwater flow model described in Technical Publication (TP) 111. It also describes the hydrology of Southern Utah and Goshen Valleys, documents the numerical model that simulates ground-water flow in the valleys, and estimates the effects of changes in water availability and water-management practices on the ground-water flow system. Reported hydrology aspects include descriptions of surface and groundwater budget components, ground-water flow, ground-water system properties, and chemical characteristics of ground water in the valley.

Technical Publication 114, Hydrology and Simulation of Ground Water Flow in Juab Valley, published 1996

This report describes the hydrology of Juab Valley, documents the numerical model that simulates ground-water flow in the valley, and estimates the effects of changes in water availability and water-management practices on the ground-water flow system. Reported hydrology aspects include descriptions of surface and groundwater budget components, ground-water flow, ground-water hydrologic properties, and chemical characteristics of ground water in the valley.



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UTAH AND JUAB COUNTIES STUDY AREA

FIGURE 1-1

Groundwater Conditions in Utah Reports

Groundwater Conditions in Utah Reports were obtained from 2018 back to 1964. These reports contain information on well construction, groundwater withdrawals from wells, water-level changes, precipitation, streamflow, and chemical quality of water for individual hydrologic areas throughout the State of Utah. An evaluation was made comparing well discharges in the model to the well discharges reported in this series which was then used to help estimate total groundwater withdrawals for each county.

PRISM Annual Precipitation

Mean annual gridded precipitation data was collected from the PRISM Climate Group for the years 1981 through 2018. These 30-arcsec (~800-m) grids are the official spatial climate data sets of the U.S. Department of Agriculture. The PRISM Climate Group gathers climate observations from a wide range of monitoring networks to develop spatial climate datasets. The PRISM (Parameter-elevation Relationships on Independent Slopes Model) interpolation method calculates a climate–elevation regression for each DEM grid cell, and stations entering the regression are assigned weights based primarily on the physiographic similarity of the station to the grid cell. Factors considered are location, elevation, coastal proximity, topographic facet orientation, vertical atmospheric layer, topographic position, and orographic effectiveness of the terrain.

Water Use Data

Water use data was obtained from the Utah Division of Water Rights (DWRi) website. DWRi maintains water records on public and industrial water suppliers as part of a cooperative program with the Utah Division of Water Resources (DWRe) and the Utah Division of Drinking Water (DDW). Private use is not recorded in the database. The water use data is collected by DWRi through an annual survey. Response to this survey is required under Rule R309-105-15 of the Utah Administrative Code for public water suppliers.

Well Logs

Well logs available on the DWRi website were examined to estimate relative significance of wells for which water use data was not available. Significant variables included casing diameter, reported well yield, and year of construction.

Water Rights

Water rights data were examined to estimate relative significance of wells for which water use data was not available. Significant variables included water right status and volume of beneficial use.

SAFE YIELD DEFINITION

Safe yield is a concept based on determination of the fraction of the natural groundwater recharge that is sustainable. Some groundwater must be maintained through the groundwater system to sustain existing springs and to maintain stable groundwater levels within the aquifer. It should not be assumed that the entire volume is available for discharge to wells.

According to Sophocleous (2000), “the sustainable yield of an aquifer must be considerably less than recharge if adequate amounts of water are to be available to sustain both the quantity and

quality of streams, springs, wetlands, and groundwater-dependent ecosystems". Alley et. al. (1999) of the USGS define safe yield as

> *"…the amount of ground water that can be safely withdrawn from a groundwater basin annually, without producing an undesirable result. Undesirable results include but are not limited to depletion of groundwater storage, the intrusion of water of undesirable quality, the contravention of existing water rights, the deterioration of the economic advantages of pumping (such as the excessively lowered water levels and the attendant increased pumping lifts and associated energy costs), excessive depletion of streamflow by induced infiltration, and land subsidence"*

For the MNWA study (2019), the safe yield was estimated as 50% of the average annual recharge. This study applies the same estimate. For some communities in the study area, their current well withdrawals exceed 50% of the average annual recharge. For these communities, it was assumed that they will not increase future pumping as compared with current average withdrawals.

CHAPTER 2 – UTAH COUNTY

SUBAREAS

The MNWA Study identified 11 subareas based on individual communities located within Southern Utah and Goshen valleys. These subareas, along with the addition of the Springville and Mapleton subareas, were evaluated for safe yield in this study for a total of 13 subareas in Southern Utah County. The 13 subareas are shown on Figure 2-1.

SUMMARY OF EXISTING MODEL

The 3-dimensional groundwater MODFLOW model for Southern Utah and Goshen Valleys was obtained from United State Geological Survey (Brooks, 2013). The original USGS groundwater model simulated aquifer levels from 1949 to 1991. In 2013, USGS updated the original MODFLOW model through 2011 by extending well withdrawals and model recharge through this time period. This analysis extends the updated model. The potentiometric head contours from the end of 2011 are shown in Map A-1 in Appendix A.

Groundwater Hydrologic Components

Groundwater flow and levels are a direct result of groundwater system balance, which is determined by aquifer recharge and discharge. When discharge differs from recharge (which occurs nearly all the time), a change in aquifer storage occurs which causes a change in water levels. Groundwater generally flows from areas with high recharge (typically in the higher elevations) to discharge areas lower in the valley. This section describes the recharge and discharge of the existing model.

Recharge

Recharge to the groundwater model may be categorized into surface recharge and bedrock recharge. Surface recharge includes infiltration of precipitation over the unconsolidated aquifer and infiltration from streams, canals, and irrigation. Surface recharge sources were primarily simulated in the MODFLOW recharge package as a specified depth per year applied aerially across the top layer in the model. The exception to this is infiltration from streams, which were simulated using the MODFLOW stream package. This package calculates infiltration based on depth in the stream, stream bed hydraulic conductivity, and the calculated elevation of the groundwater in the cell where a stream is simulated.

Bedrock recharge to the groundwater model is from infiltration of groundwater from the fractured bedrock aquifers in the mountains. Bedrock recharge is simulated in the model as a specified flow using the MODFLOW well package (wells with a positive flow value or injection wells). Injection wells were entered at the perimeter of the model adjacent to the mountains in all model layers.

Total model recharge is divided approximately equally between surface recharge and bedrock recharge, with nearly all the annual variability accounted for by surface recharge. A breakdown of the total recharge by year and type (bedrock recharge, surface recharge) is shown below in Figure 2-2. The average annual total recharge from 1949 through 2011 approximately 152,000 acre-feet.

Springville
Springville

Mapleton
Mapleton

Spanish Fork
Spanish Fork

Benjamin/Lakeshore

Salem
Salem

Wetlands

Woodland Hills

Elk Ridge
Elk Ridge

Payson
Payson

Santaquin
Santaquin

Genola
Genola

Wetlands

Goshen
Goshen

Goshen Valley/Elberta

N

0 5 Miles

Legend

- Municipalities
- Subareas
- Groundwater Flow Areas

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UTAH COUNTY

SUBAREAS

FIGURE 2-1

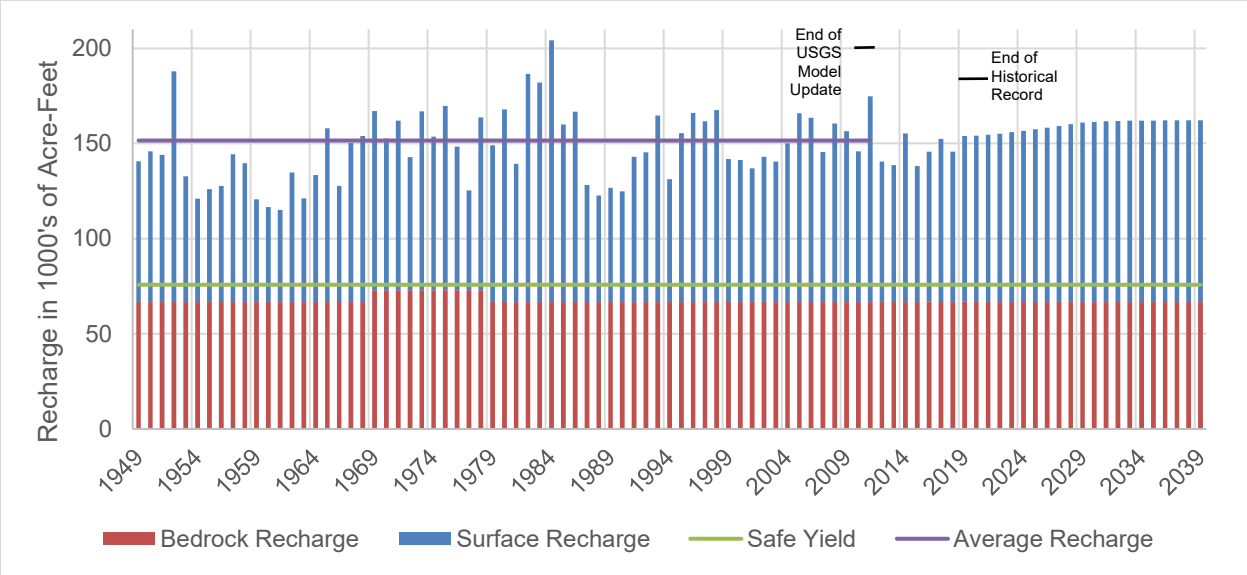


Figure 2-2: Surface and Bedrock Recharge Totals

Discharge

Groundwater discharges from the groundwater system to springs and drains, evapotranspiration, wells, streams, and seepage to Utah Lake. With the exception of discharge to wells, each of these variables is dependent on the calculated groundwater elevation relative to the discharge elevation. Discharge to springs and drains are simulated in the MODFLOW drain package. Evapotranspiration is simulated in the MODFLOW ET package. Discharge to streams is simulated in the MODFLOW stream package. Utah Lake is simulated in MODFLOW as a general head boundary where the discharge to the lake is determined based on the computed elevation of the groundwater in each cell simulating the lake. Well withdrawals are simulated in the MODFLOW well package and fluctuate annually based on estimated withdrawals. Annual well withdrawals simulated in the MODFLOW model are shown in Figure 2-6.

Utah Lake

The elevation of Utah Lake affects the modeled groundwater discharge in Southern Utah and Goshen Valleys. As shown below in Figure 2-3, the modeled lake elevations ranged as low as 4482.87’ (in 1961) to as high as 4492.62’ (in 1983). Utah Lake levels after 2011 were modeled as 4488.9’, based on this elevation being near the average lake level and upon it being just below the compromise level of 4489.0’.

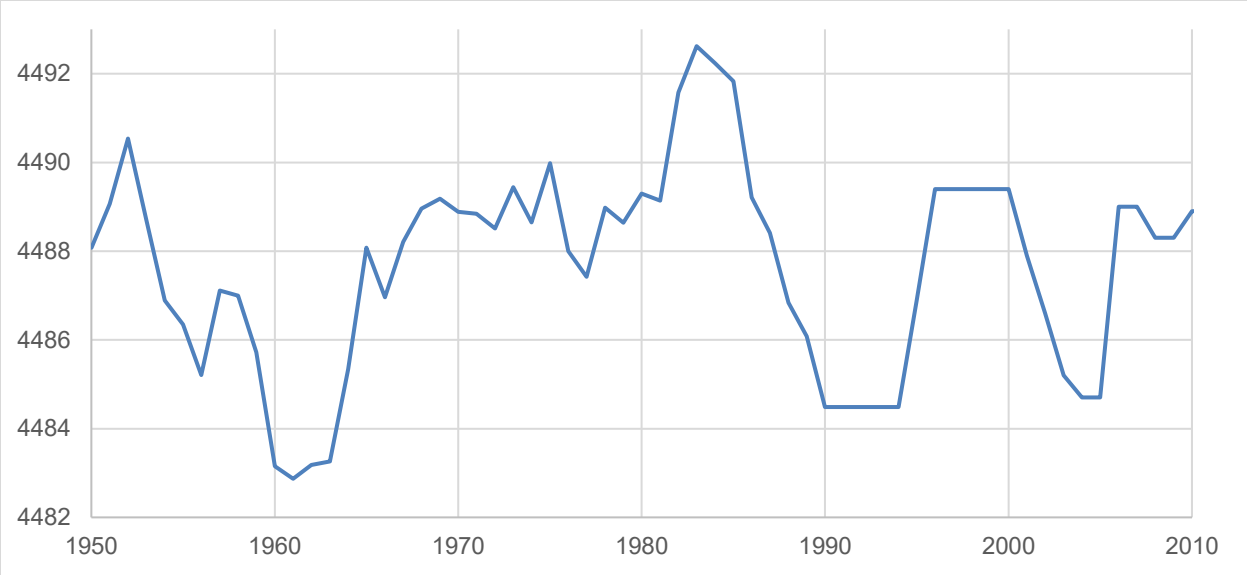


Figure 2-3: Modeled Utah Lake Levels (NGVD 1929)

Drains, Evapotranspiration, and Streams

The volume of water discharged to drains, evapotranspiration, and streams and canals is dependent on computed groundwater elevation. Evapotranspiration is removed only from the top model layer and is based on vegetative cover and how close the groundwater elevation is to the surface. Drains discharge only when the head in a drain cell is above the specified drain elevation. Streams may be losing or gaining based on whether the water level in the ground is less than or greater than the water in the stream. Parameters governing these head dependent processes remain the same for the model period.

MODEL UPDATE THROUGH 2018

Surface Recharge

To update the surface recharge (excluding recharge from streams) through 2018, the model surface recharge volumes were compared to the precipitation for the study area. A best-fit line was computed to examine how closely the model recharge data matched the PRISM annual rainfall dataset. The R squared value, which indicates what percentage of the total variation can be explained by precipitation, was found to be 0.54. This value indicates that much of the variation in surface recharge is due to precipitation while some of the variation is likely due to other factors. The surface recharge in the groundwater model was updated in the recharge package through 2018 using the equation of the best-fit line and the 2011 spatial distribution of surface recharge. The graphs of surface recharge versus inches of rain and surface recharge volumes through 2018 can be seen below in Figure 2-4 and Figure 2-5.

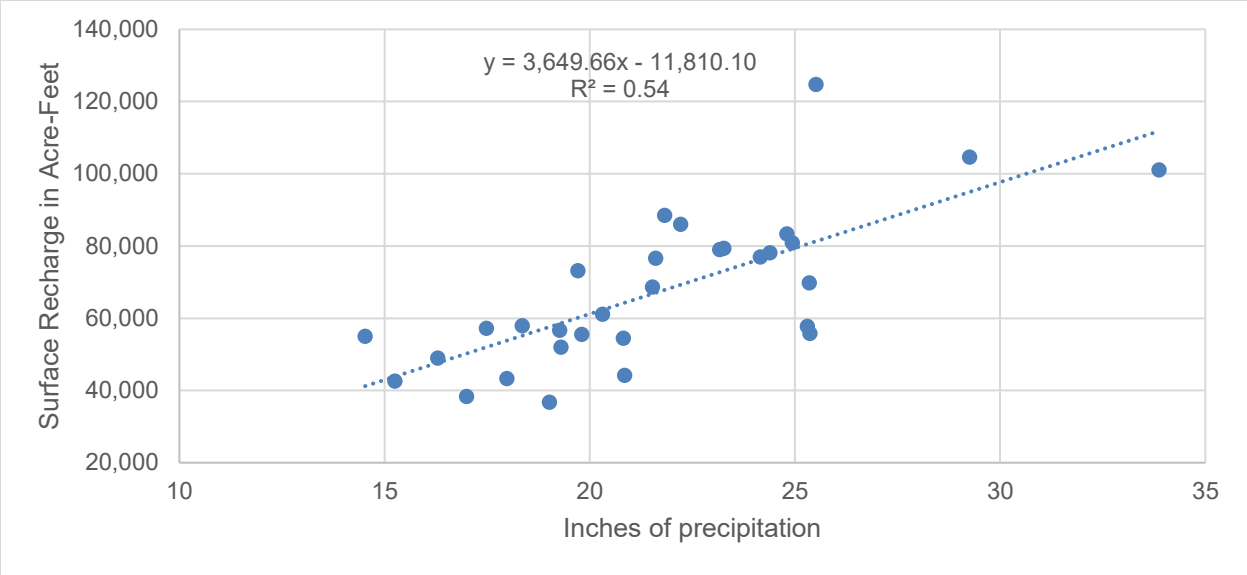


Figure 2-4: Precipitation vs Surface Recharge (excludes streams)

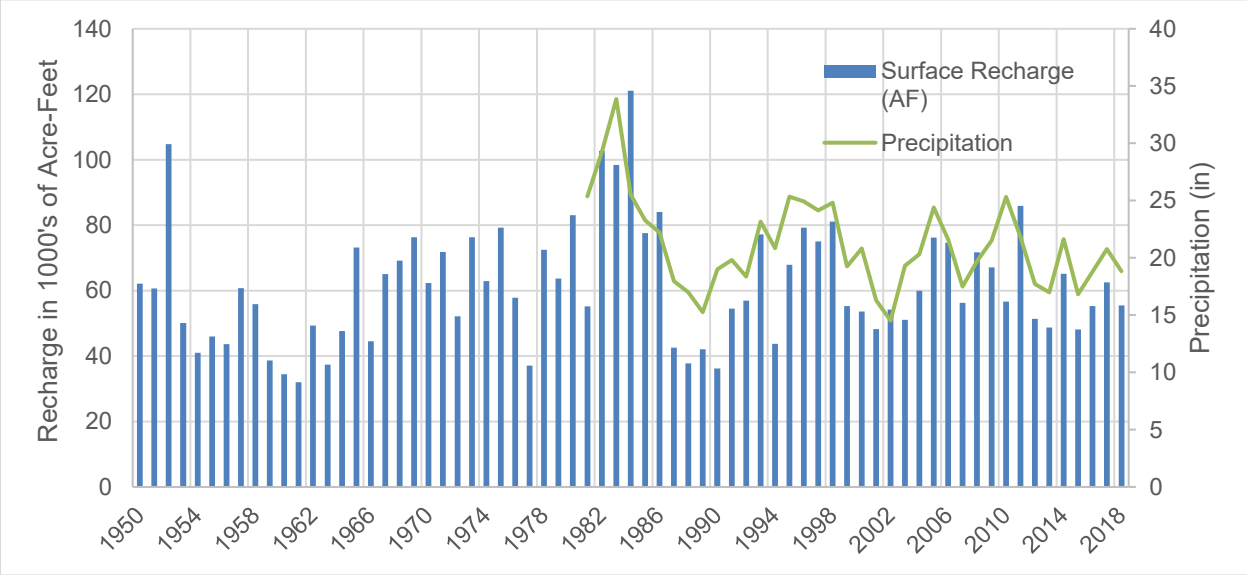


Figure 2-5: Surface Recharge Volumes (excluding streams) through 2018

Bedrock Recharge

Bedrock recharge has remained constant at approximately 62,200 AF/yr throughout the duration of the USGS MODFLOW model period (see Figure 2-2). This value was maintained through 2018 at the same locations where the bedrock recharge was previously applied. Based on a meeting regarding the Goshen Valley Groundwater and Water Budget Update (DWRi and UGS, 2017), an additional 4,500 acre-feet per year of subsurface flow originates in the Mosida Hills and flows through Elberta to Utah Lake. This additional groundwater recharge was not modeled by the USGS in their MODFLOW model and was not entered into the model for this evaluation.

Well Withdrawals

Wells simulated in the MODFLOW model were correlated with actual existing wells based on model cell location, water right points of diversion, well logs, and DEQ water supply facility points

where available. Based on municipal water use reported to DWRi, municipal well withdrawals represent approximately 35-40% of the total well withdrawals in the model. Municipal use has steadily increased and it is expected that this trend will continue. Actual DWRi-recorded withdrawals from municipal wells was entered into the model for the years 2011 through 2018.

Based on municipal water use data, only one new municipal well has been constructed from 2011 through 2018. This was the Loafer Canyon well which serves Elk Ridge. Non-municipal use was assumed to occur at the existing remaining model well locations. The vertical distribution of well withdrawals within the five discrete model layers was assumed to occur similarly to how it did in 2009 through 2011.

The total annual groundwater withdrawals from 2011 through 2018 were estimated based on the model reported annual well withdrawals prior to 2011 using two-factor regression with precipitation and population as the independent variables and total annual withdrawals being the dependent variable. Upon identification of total groundwater withdrawals, the difference between the municipal use (as obtained from the State) and the total withdrawals was distributed among the non-municipal model wells based on the percentage of total withdrawals they pumped from 2009 through 2011. Wells which were pumped more during this time period were assigned a greater proportion of remaining flow. This resulted in the average non-municipal use for 2012 through 2018 being similar to the average non-municipal use for 2009 through 2011 with a slight increasing trend. The total groundwater withdrawals for the year 2018 is estimated at approximately 40,000 acre-feet. Total groundwater withdrawals by user-type is shown in Figure 2-6.

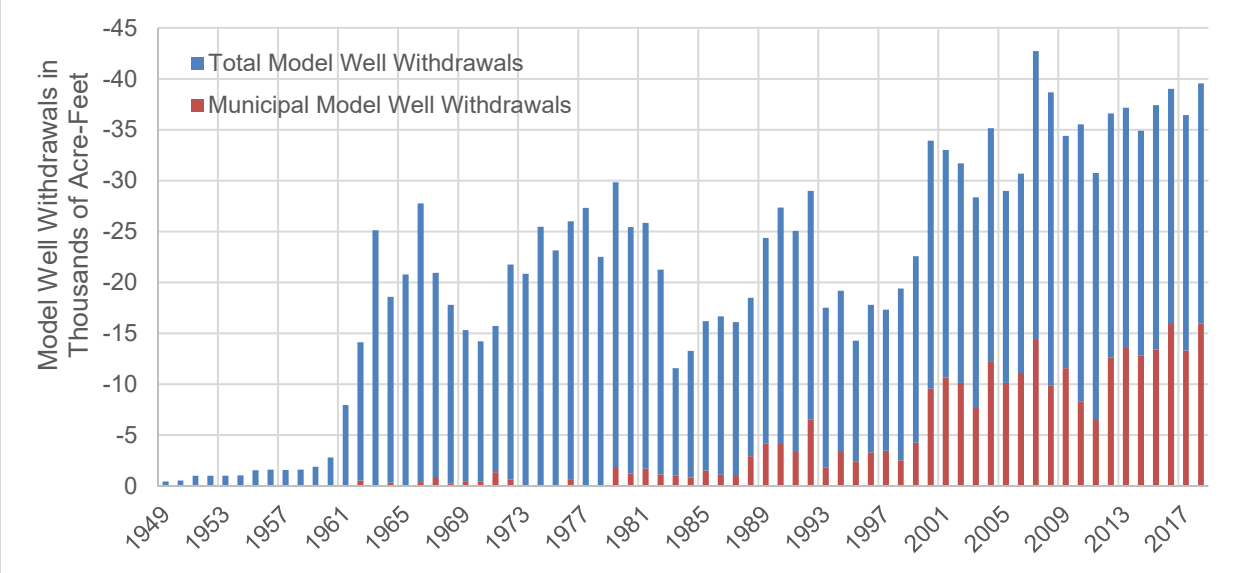


Figure 2-6: Municipal and Total Well Withdrawals through 2018

The updated recharge and well withdrawals were entered into the model and the model was run.

MODEL UPDATE THROUGH SAFE YIELD SCENARIO

Model Extension and Total Well Withdrawals

The model was extended an additional 21 years: 2019 representing the average well withdrawals over the past ten years, with the next ten years (2020 through 2029) representing the steady increase of well withdrawals up to the safe yield. The last ten years (2030-2039) included total

well withdrawals equal to the safe yield. The last ten years were included in the model to allow model conditions to approach equilibrium.

Recharge Projections

To update the recharge through the safe yield condition, the average annual recharge volume was applied for both bedrock and surface recharge, with the surface recharge using the average spatial distribution. This assumes that future long-term average recharge will remain about the same as the current long-term average recharge. All model surface and bedrock recharge volumes can be seen in Figure 2-2.

Well Withdrawals

To update the well withdrawals through safe yield, a table was generated to determine how close each subarea was to their safe yield as summarized in Table 2-1. A more detailed timeline of withdrawals by subarea (Table B-1) can be found in Appendix B. Well withdrawals in two subareas, Goshen Valley/Elberta and Mapleton, currently exceed the total modeled recharge for the subarea. The remaining subareas are not withdrawing their safe yield and have room to increase withdrawals.

Table 2-1
2018 Pumping vs Safe Yield (in Acre-Feet)

Subarea	Total Available Recharge	Estimated Safe Yield (50% of Total)	2018 Pumping Withdrawals	Modeled Withdrawals at Safe Yield Scenario
Benjamin/Lakeshore	5,480	2,740	36	2,740
Elk Ridge	6,660	3,330	927	3,330
Genola	4,210	2,100	0	2,100
Goshen	2,400	1,200	996	1,200
Goshen Valley/Elberta*	18,870	9,430	16,933	16,933
Mapleton	9,400	4,700	5,231	5,231
Payson	15,870	7,930	2,900	7,930
Salem	13,800	6,900	2,008	6,900
Santaquin	16,460	8,230	1,488	8,230
Spanish Fork	20,410	10,200	2,564	10,200
Springville	31,900	15,950	5,452	15,950
Wetlands	2,520	1,260	1,016	1,260
Woodland Hills	4,330	2,160	0	2,160
Total	152,310	76,130	39,550	84,164

*Goshen Valley/Elberta includes 4,500 AF/year of subsurface inflow from Mosida Hills.

Because it is unknown where future withdrawals will be pumped, additional withdrawals were distributed equally among the existing model wells within each subarea. An additional reason to spread the remaining yield out equally within each subarea is to promote model stability as the model can be sensitive to overly large withdrawals from an individual cell. The remaining safe yield was applied incrementally over ten model years to promote model stability. The total withdrawals throughout the safe yield scenario can be seen in Figure 2-7.

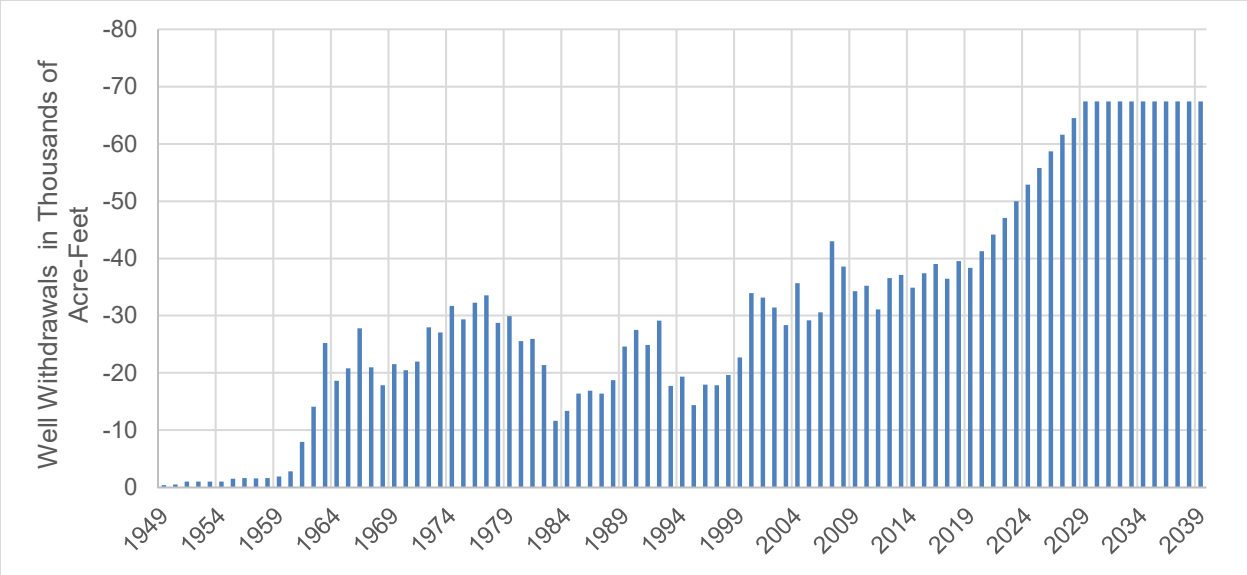


Figure 2-7: Total Well Withdrawals through Safe Yield

The surface recharge, bedrock recharge, and well withdrawals were updated and the model was run.

RESULTS

Computed groundwater levels from the updated model were compared to city-provided water levels for the year 2018 in order to provide a preliminary level validation of the updates. It was found that the model was generally within 10-20 feet of the actual 2018 levels. This level of discrepancy was considered acceptable, as the primary purpose of the model is to estimate relative groundwater impacts (and not precision water level prediction) and because the original calibration of the USGS MODFLOW model was reported to be within this range.

The potentiometric contours were exported for three key timesteps: 2011 (the end of the updated USGS model), 2018 (the end of the update to present period), and at the end of the safe yield scenario as defined in Table 2-1.

The figures and level graphs (found in Appendix D) demonstrate that water levels have decreased since 2011. Due to projected increasing future withdrawals, water levels will continue to decline. Spatially, the areas most affected by water level declines are the benches as they have lower hydraulic conductivity when compared to areas near Utah Lake.

CAUTIONS, RECOMMENDATIONS, AND CONCLUSIONS

As Meyland (2011) states, “(safe yield) is not a specific number or amount of water that an aquifer can reliably provide. As conditions change, the amount of water an aquifer system can properly provide will change.” He also notes that impacted communities must identify the consequences which are unacceptable when considering the amount of water they withdraw from the aquifer. It is recommended that this study will be reviewed and updated every 5-10 years, or more frequently if the assumptions included in this effort change significantly.

It is recommended, upon establishment of unacceptable groundwater impacts (levels, quality, cost, environment, etc), that a safety factor be considered to safeguard against model imprecisions/uncertainties.

Communities are cautioned that exceeding safe yield, which some communities may already be doing, may cause adverse impacts to their or their neighbors water availability, cost, and quality.

It is recommended that no additional well withdrawals be allowed within the Goshen Valley/Elberta and Mapleton subareas, unless a managed aquifer recharge project be implemented to mitigate aquifer impacts. It is recommended that as agricultural land converts to municipal development, that the cities obtain the rights to this water to accommodate future growth.

CHAPTER 3 - JUAB COUNTY

SUBAREAS

The Juab Valley area was divided into four subareas based on groundwater flow areas and existing communities, namely Rocky Ridge, Mona, Nephi, and Levan. The four subareas are shown in Figure 3-1.

SUMMARY OF EXISTING MODEL

The 3-dimensional groundwater MODFLOW model for Juab Valley was obtained from United State Geological Survey (Thiros 1996). The original long-term USGS groundwater model simulated aquifer levels from 1949 to 1992 using eight multi-year stress periods. An additional seasonal model simulates seasonal levels throughout the eight quarters of 1992 and 1993 to simulate summer well withdrawals with little to no pumping the remainder of the year. The seasonal model was used to extend the long-term model through 1993. The potentiometric head contours from the end of 1992 are shown in Map A-6 in Appendix A.

Groundwater Hydrologic Components

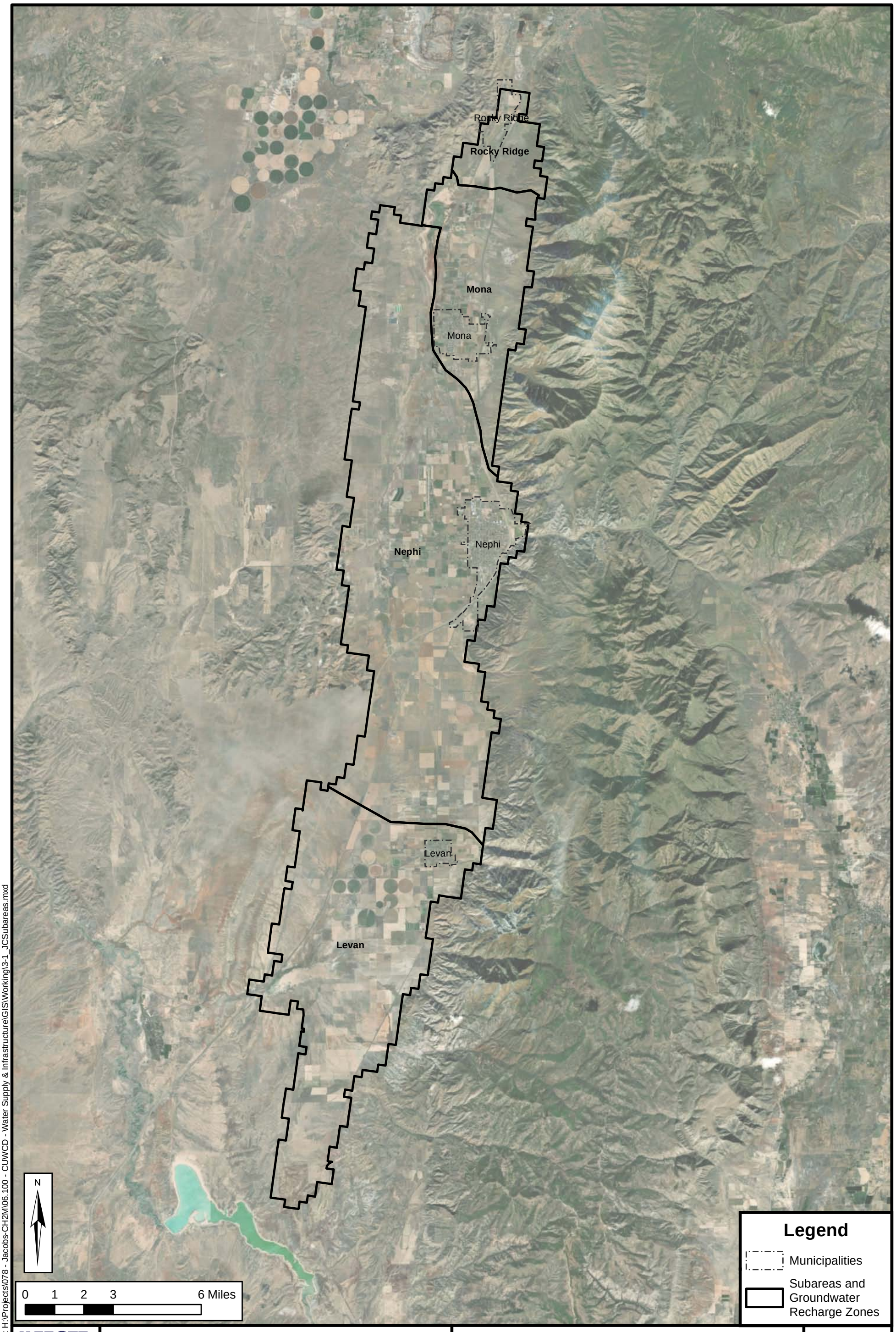
Groundwater flow and levels are a direct result of groundwater system balance, which is determined by aquifer recharge and discharge. When discharge differs from recharge (which occurs nearly all the time), a change in aquifer storage occurs which causes a change in water levels. Groundwater generally flows from areas with high recharge (typically in the higher elevations) to discharge areas lower in the valley. This section describes the recharge and discharge of the existing model.

Recharge

Recharge to the groundwater model may be categorized into surface recharge and bedrock recharge. Surface recharge includes infiltration of precipitation over the unconsolidated aquifer and infiltration from streams, canals, and irrigation. Surface recharge sources were primarily simulated in the MODFLOW recharge package as a specified depth per year applied aerially across the top layer in the model. The exception to this is infiltration from streams, which were simulated using the MODFLOW stream package. This package calculates infiltration based on depth in the stream, stream bed hydraulic conductivity, and the calculated elevation of the groundwater in the cell where a stream is simulated.

Bedrock recharge to the groundwater model is from infiltration of groundwater from the fractured bedrock aquifers in the mountains. Bedrock recharge is simulated in the model as a specified flow using the MODFLOW well package (wells with a positive flow value or injection wells). Injection wells were entered at the perimeter of the model adjacent to the mountains in all model layers.

Total model recharge is divided approximately equally between surface recharge and bedrock recharge, with annual variability being accounted for by both surface recharge and bedrock recharge. A breakdown of the total recharge by year and type (bedrock recharge, surface recharge) is shown below in Figure 3-2. The average annual total recharge from 1949 through 1993 approximately 58,000 acre-feet.



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JUAB COUNTY

SUBAREAS

FIGURE 3-1

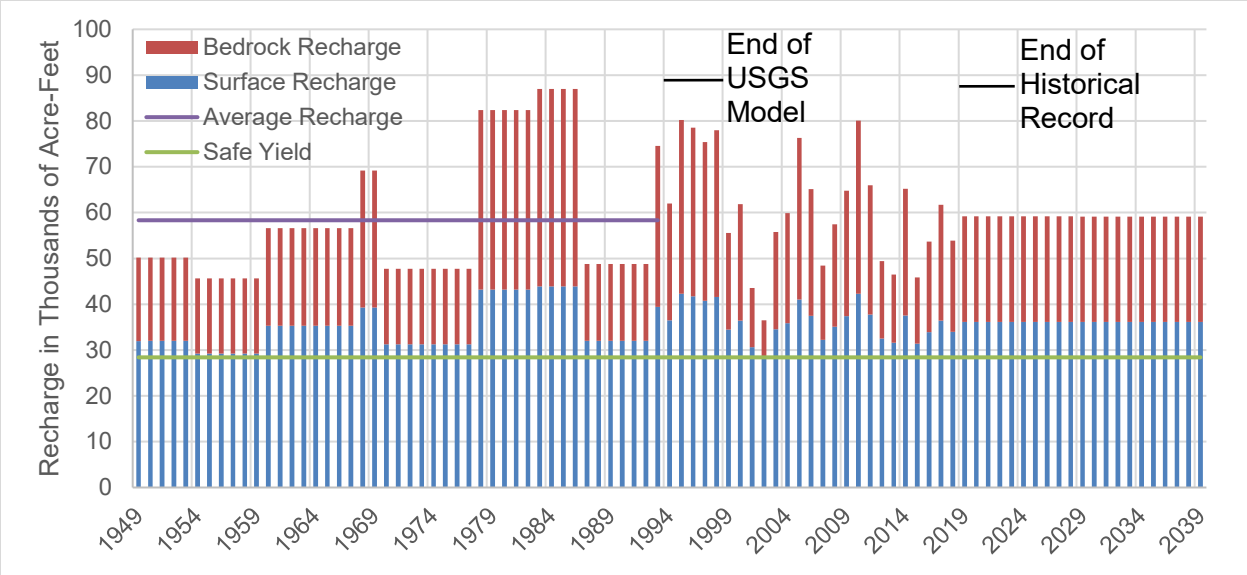


Figure 3-2: Surface and Bedrock Recharge Totals

Discharge

Groundwater discharges from the groundwater system to springs and drains, evapotranspiration, wells, streams, and seepage to Utah Lake. With the exception of discharge to wells, each of these variables is dependent on the calculated groundwater elevation relative to the discharge elevation. Discharge to springs and drains are simulated in the MODFLOW drain package. Evapotranspiration is simulated in the MODFLOW ET package. Discharge to streams is simulated in the MODFLOW stream package. Utah Lake is simulated in MODFLOW as a general head boundary where the discharge to the lake is determined based on the computed elevation of the groundwater in each cell simulating the lake. Well withdrawals are simulated in the MODFLOW well package and fluctuate annually based on estimated withdrawals. Annual well withdrawals simulated in the MODFLOW model are shown in Figure 3-6.

Drains, Evapotranspiration, and Streams

The volume of water discharged to drains, evapotranspiration, and streams and canals is dependent on computed groundwater elevation. Evapotranspiration is removed only from the top model layer and is based on vegetative cover and how close the groundwater elevation is to the surface. Drains discharge only when the head in a drain cell is above the specified drain elevation. Streams may be losing or gaining based on whether the water level in the ground is less than or greater than the water in the stream. Parameters governing these head dependent processes remain the same for the model period.

MODEL UPDATE THROUGH 2018

Surface Recharge

To update the surface package (excluding surface recharge from streams) through 2018, the recharge volumes from the recharge package were compared to the precipitation for the study area and for the available period of record (1981 through 1993). A best-fit line was computed to examine how closely the model recharge data matched the PRISM annual rainfall dataset. The R squared value, which indicates what percentage of the total variation can be explained by precipitation, was found to be 0.94, though there were only five data points available for analysis due to the longer stress periods in the original model. This value indicates that variation in surface

recharge is mostly due to precipitation, with little of the variation occurring due to other factors. The surface recharge in the groundwater model was updated in the recharge package through 2018 using the equation of the best-fit line and the average spatial distribution of surface recharge. The graphs of surface recharge versus inches of rain and recharge volumes through 2018 can be seen below in Figure 3-3 and Figure 3-4.

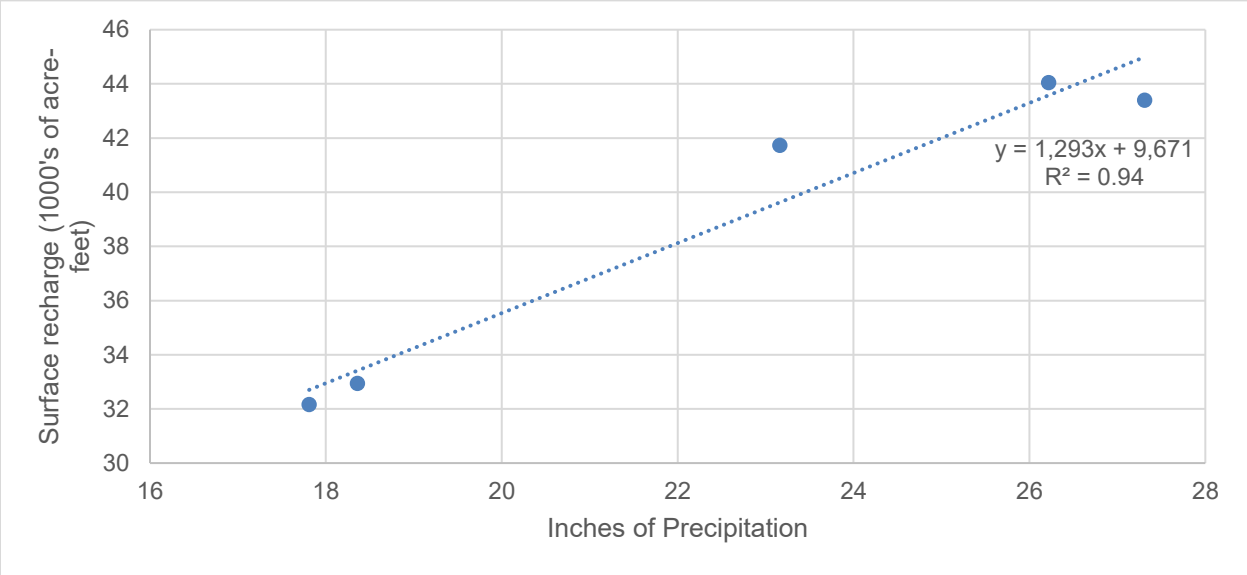


Figure 3-3: Precipitation vs Surface Recharge

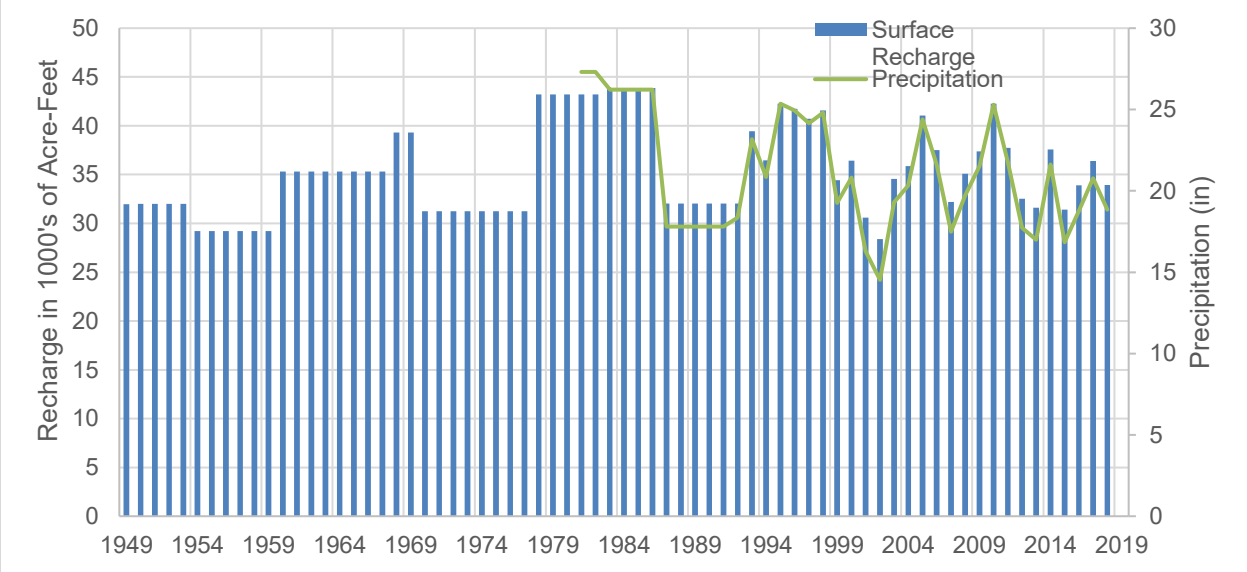


Figure 3-4: Surface Recharge Volumes through 2018

Bedrock Recharge

Bedrock recharge was correlated to precipitation in the same manner as the surface recharge. The R squared value was found to be the same as the R squared value for the bedrock recharge, indicating that the original model probably used the same set of variables to determine both surface and bedrock recharge. The previous model spatial weighting was maintained. The correlation graph is shown below in Figure 3-5.

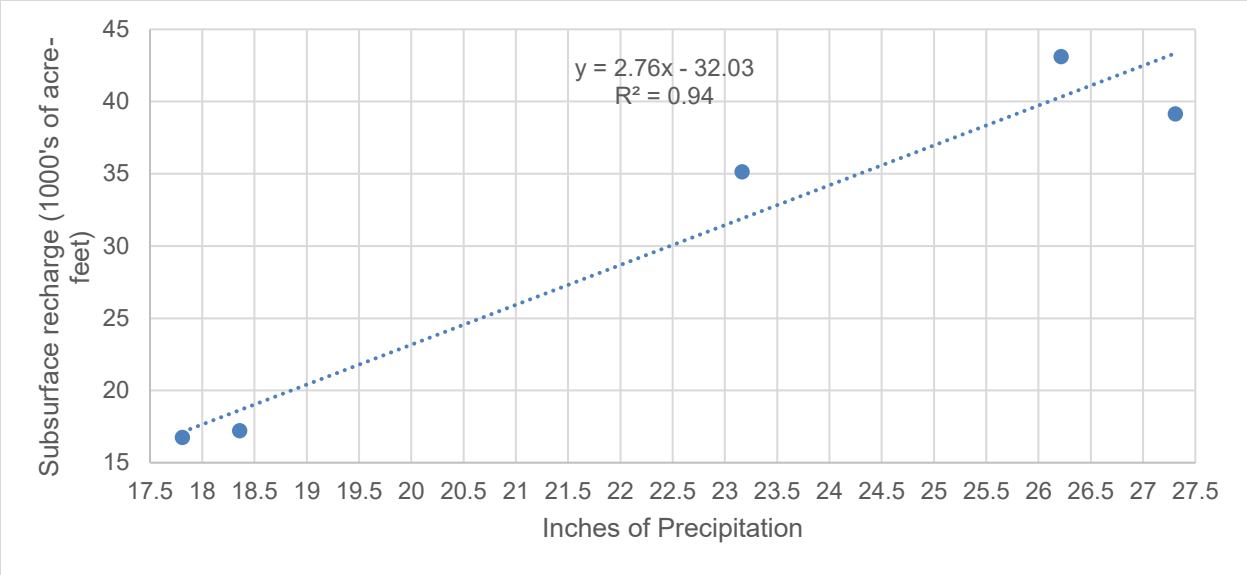


Figure 3-5: Precipitation vs Bedrock Recharge

Well Withdrawals

Wells simulated in the MODFLOW model were correlated with actual existing wells based on model cell location, water right points of diversion, well logs, and DEQ water supply facility points where available. Based on municipal water use reported to DWRi, municipal well withdrawals generally represent approximately 5-10% of the total well withdrawals in the model. Municipal use has steadily increased and it is expected that this trend will continue. Non-municipal and municipal DWRi-recorded well withdrawals were entered into the model for the years 1993 through 2018. Total groundwater withdrawals through by user-type is shown in Figure 3-6

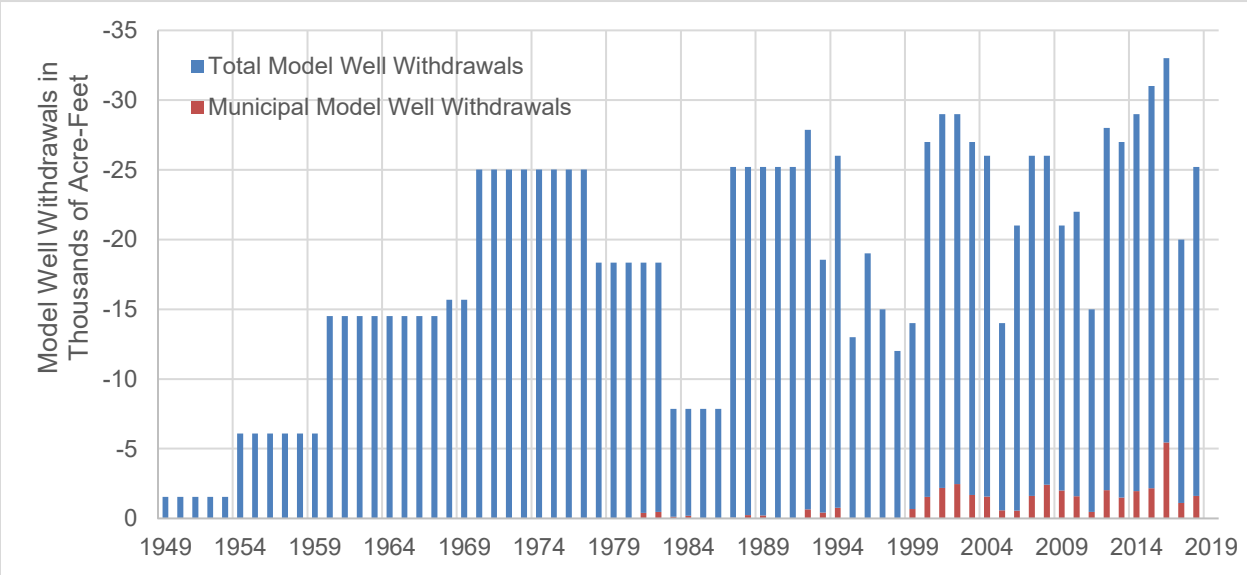


Figure 3-6: Municipal and Total Well Withdrawals through 2018

Based on municipal water use data, many new wells were identified, including wells owned by Houwelling Utah Property, PacifiCorp, BCR Enterprises, Town of Rocky Ridge, and Mona City. Non-municipal use was assumed to occur at the existing remaining model well locations. Additional wells were identified with water rights research and calculation of beneficial use.

The wells were compared for withdrawal prominence using the following considerations (in order of most significant to least significant): historic model withdrawals (from 1987 to 1993 (to ensure newer historic wells were operating)), recent withdrawals (per State water use data), water right volumes (according to beneficial use), and pump logs. This weighting process was performed to spread out the remaining expected volume across the model, not to presume what any individual well was pumping during a given year. Several wells were identified as being significant based on their beneficial use; these wells were added to the model and assigned a withdrawal weight as described above. Identification of the year of construction allowed for model well withdrawals to begin at the correct time. The total groundwater withdrawals for the year 2018 is estimated at approximately 25,200 acre-feet.

The updated recharge and well withdrawals were inserted to the model and the model was run.

MODEL UPDATE THROUGH SAFE YIELD SCENARIO

Model Extension and Total Well Withdrawals

The model was extended an additional 21 years. Model years 2019 through 2028 represented the steady increase of well withdrawals up to the safe yield. The last eleven years (2029-2039) included total well withdrawals equal to the safe yield. This “steady-state” period was included in the model to allow model conditions to approach equilibrium.

Recharge Projections

To update the recharge through the safe yield condition, the average annual recharge volume was applied for both bedrock and surface recharge, with the surface recharge using the average spatial distribution. This assumes that future long-term average recharge will remain about the same as the current long-term average recharge. All model surface and bedrock recharge volumes can be seen in Figure 3-2.

Well Withdrawals

To update the well withdrawals through safe yield, a table was generated to determine how close each subarea was to their safe yield as summarized in Table 3-1. A more detailed timeline of withdrawals by subarea (Table B-2) can be found in Appendix B. Well withdrawals in Levan currently exceed the total modeled recharge for the subarea. The remaining subareas are not withdrawing their safe yield and have room to increase their withdrawals. Rocky Ridge has a total recharge of approximately 1,800 AF/yr or a safe yield of 900 AF/yr. The interflow from Juab Valley to Goshen Valley was not modeled as a head dependent boundary, but rather a constant discharge. Because of model instability relative to larger well withdrawals near the boundaries of the model in this subarea, the safe yield of this subarea was reduced to 250 AF/yr.

Table 3-1
2018 Pumping vs Safe Yield (in Acre-Feet)

Subarea	Total Available Recharge	Estimated Safe Yield (50% of Total)	2018 Pumping Withdrawals	Modeled Withdrawals at Safe Yield Scenario
Levan	11,400	5,700	8,980	8,980
Mona	15,000	7,500	5,225	7,500
Nephi	29,900	14,950	10,910	14,950

Rocky Ridge	1,800	250	85	250
Total	58,100	28,400	25,200	31,680

Because it is unknown where future withdrawals will be pumped, additional withdrawals were distributed equally among the existing model wells within each subarea. An additional reason to spread the remaining yield out equally within each subarea is to promote model stability as the model can be sensitive to overly large withdrawals from an individual cell. The remaining safe yield was applied incrementally over ten model years to promote model stability. The total withdrawals throughout the safe yield scenario can be seen in Figure 3-7.

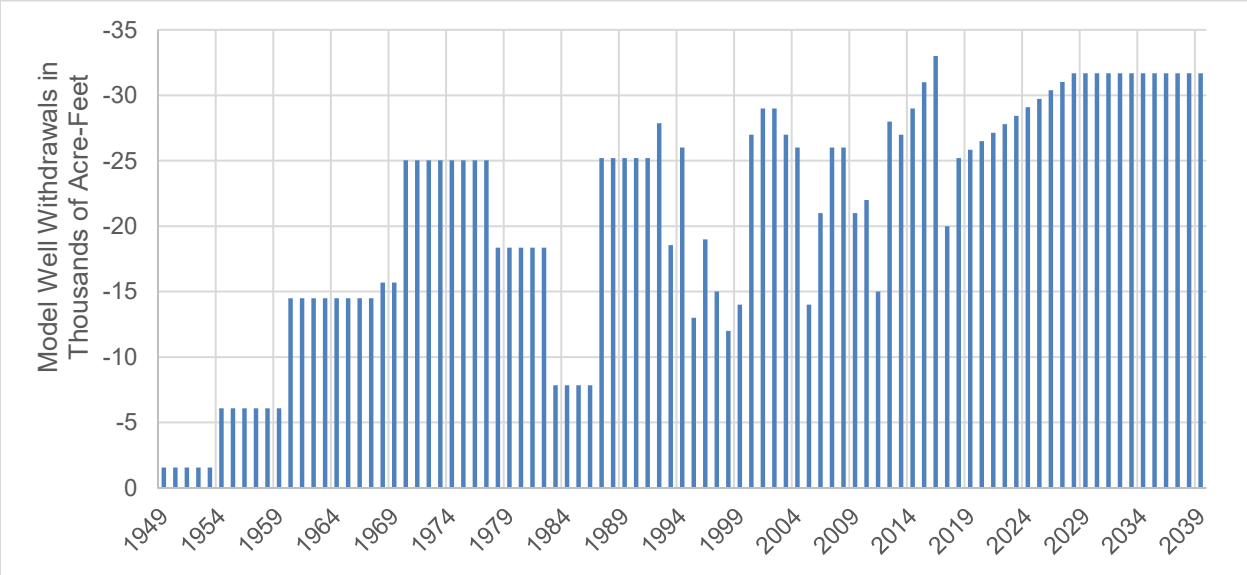


Figure 3-7: Total Well Withdrawals through Safe Yield

The surface recharge, bedrock recharge, and well withdrawals were updated and the model was run.

RESULTS

A request was issued to the communities for 2018 water levels in order to validate model results. No cities responded and therefore, no model check was performed. However, as the primary purpose of the model is to estimate relative groundwater impacts, and not predict water levels, the lack of a model check was deemed acceptable.

The potentiometric contours were exported for three key timesteps: 1992 (the end of the updated USGS long-term model), 2018 (the end of the update to present period), and at the end of the safe yield scenario as defined in Table 3-1.

The figures and level graphs (found in the Appendix D) demonstrate that water levels have decreased since 1992. Due to projected increasing future withdrawals, water levels will continue to decline. Two areas which show major declines in water level are Levan and Rocky Ridge. The decline shown for Rocky Ridge is expected to be a result of how the interflow is modeled from Juab Valley to Goshen Valley (as a constant withdrawal, rather than a head-dependent boundary) and is not a major cause for concern. Levan, on the other hand, shows consistent declines in groundwater levels, even without increasing their current withdrawals, which indicates possible groundwater mining. It is also noteworthy that the groundwater divide has shifted northward from

its original position, indicating that Levan, due to it lower groundwater levels and the head-dependent laws of groundwater, is taking some of Nephi's recharge zone.

CAUTIONS, RECOMMENDATIONS, AND CONCLUSIONS

As Meyland (2011) states, "(safe yield) is not a specific number or amount of water that an aquifer can reliably provide. As conditions change, the amount of water an aquifer system can properly provide will change." He also notes that impacted communities must identify the consequences which are unacceptable when considering the amount of water they withdraw from the aquifer. It is recommended that this study will be reviewed and updated every 5-10 years, or more frequently if the assumptions included in this effort change significantly.

It is recommended, upon establishment of unacceptable groundwater impacts (levels, quality, cost, environment, etc), that a safety factor be considered to safeguard against model imprecisions/uncertainties.

Communities are cautioned that exceeding safe yield, which some communities may already be doing, may cause adverse impacts to their or their neighbors water availability, cost, and quality.

It is recommended that no additional well withdrawals be allowed within the Levan subarea, unless a managed aquifer recharge project be implemented to mitigate aquifer impacts. It is recommended that as agricultural land converts to municipal development, that the cities obtain the rights to this water to accommodate future growth.

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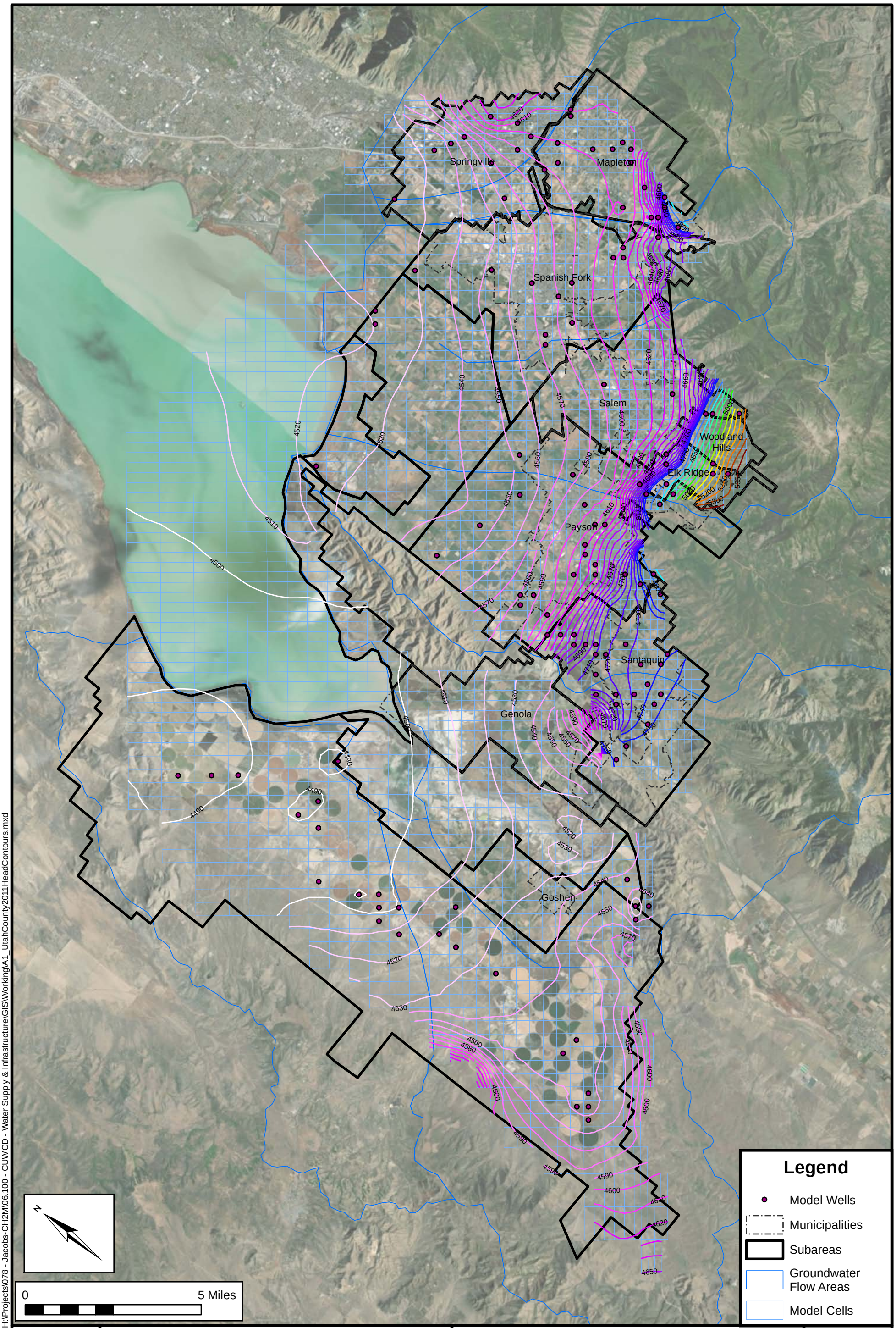
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APPENDIX A

Model Result Maps



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MODEL GROUNDWATER LEVELS 2011

FIGURE A-1

Springville
Mapleton
Spanish Fork
Salem
Woodland Hills
Elk Ridge
Payson
Santaquin
Genola
Goshen

Legend

- Well Level Points
- Model Wells
- Municipalities
- Subareas
- Groundwater Flow Areas
- Model Cells

N

0 5 Miles

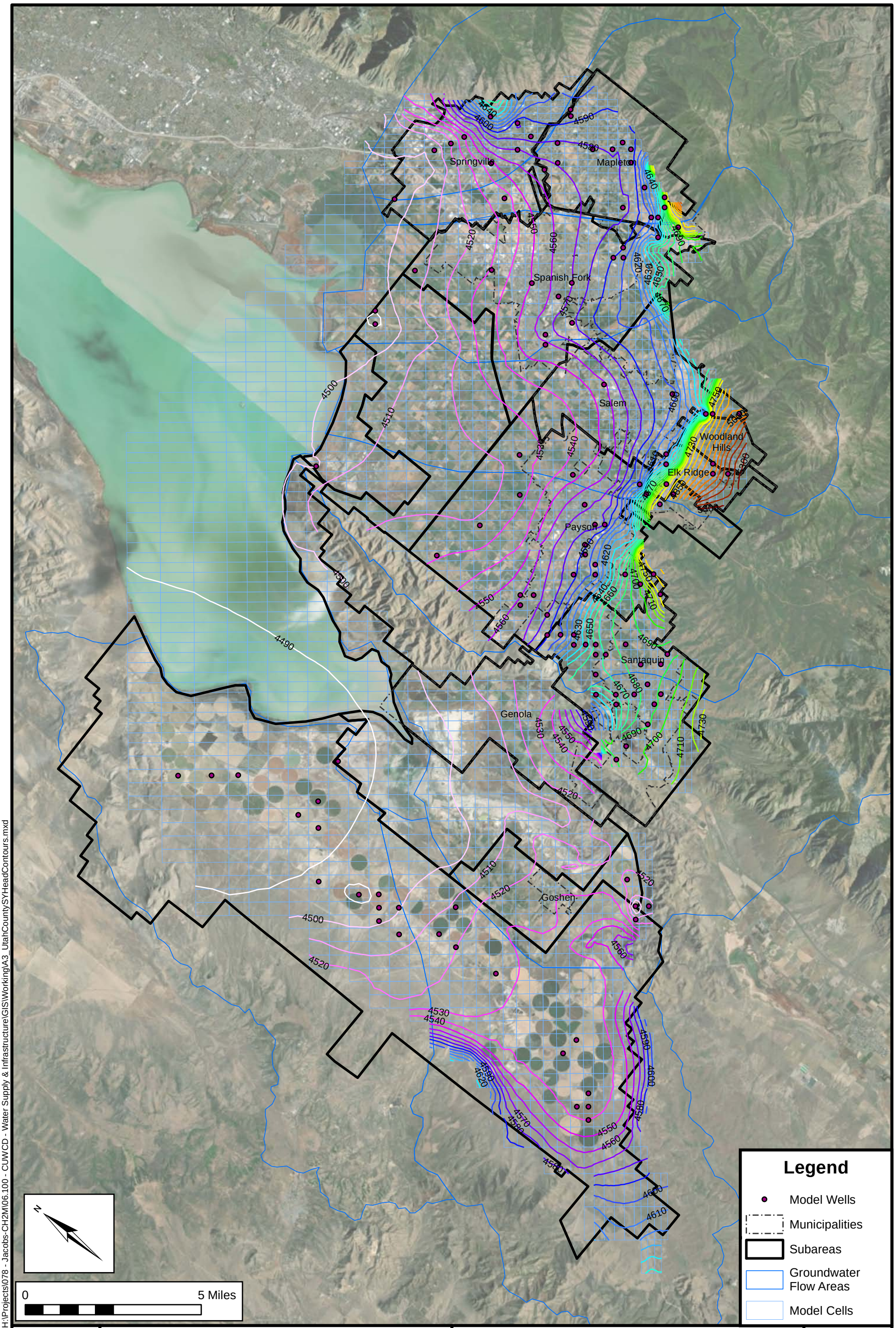
HANSEN ALLEN & LUCE INC ENGINEERS

UTAH COUNTY

MODEL GROUNDWATER LEVELS 2018

FIGURE A-2

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HANSEN ALLEN & LUCE INC ENGINEERS

UTAH COUNTY

MODEL GROUNDWATER LEVELS SAFE YIELD

FIGURE A-3

Springville
2011: 2,533 AF
2018: 5,452 AF

Mapleton
2011: 4,827 AF
2018: 5,231 AF

Spanish Fork
2011: 1,977 AF
2018: 2,564 AF

Salem
2011:492 AF
2018: 2,008 AF

Woodland Hills
2011: 0 AF
2018: 0 AF

Elk Ridge
2011: 412 AF
2018: 927 AF

Payson
2011: 1,513 AF
2018: 2,900 AF

Santaquin
2011: 816 AF
2018: 1,488 AF

Genola
2011: 0 AF
2018: 0 AF

Goshen
2011: 906 AF
2018: 996 AF

Goshen Valley/Elberta
2011: 16,812 AF
2018: 16,933 AF

Springville
Mapleton
Spanish Fork
Salem
Woodland Hills
Elk Ridge
Payson
Santaquin
Genola
Goshen

N

0 5 Miles

Legend

- Model Wells
- Municipalities
- Subareas
- Groundwater Flow Areas
- Model Cells

Date: 1/14/2020
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HANSEN ALLEN & LUCE INC ENGINEERS

UTAH COUNTY

GROUNDWATER LEVEL IMPACT 2018 VS 2011

FIGURE
A-4

Springville
Safe Yield: 15,950 AF
2018: 5,452 AF

Mapleton
Safe Yield: 4,700 AF
2018: 5,231 AF

Spanish Fork
Safe Yield: 10,200 AF
2018: 2,564 AF

Salem
Safe Yield: 6,900 AF
2018: 2,008 AF

Woodland Hills
Safe Yield: 2,160 AF
2018: 0 AF

Elk Ridge
Safe Yield: 3,330 AF
2018: 927 AF

Payson
Safe Yield: 7,930 AF
2018: 2,900 AF

Santaquin
Safe Yield: 8,230 AF
2018: 1,488 AF

Genola
Safe Yield: 2,100 AF
2018: 0 AF

Goshen Valley/Elberta
Safe Yield: 9,430 AF
2018: 16,933 AF

Springville
Mapleton
Spanish Fork
Salem
Woodland Hills
Elk Ridge
Payson
Santaquin
Genola
Goshen

N

0 5 Miles

Legend

- Model Wells
- Municipalities
- Subareas
- Groundwater Flow Areas
- Model Cells

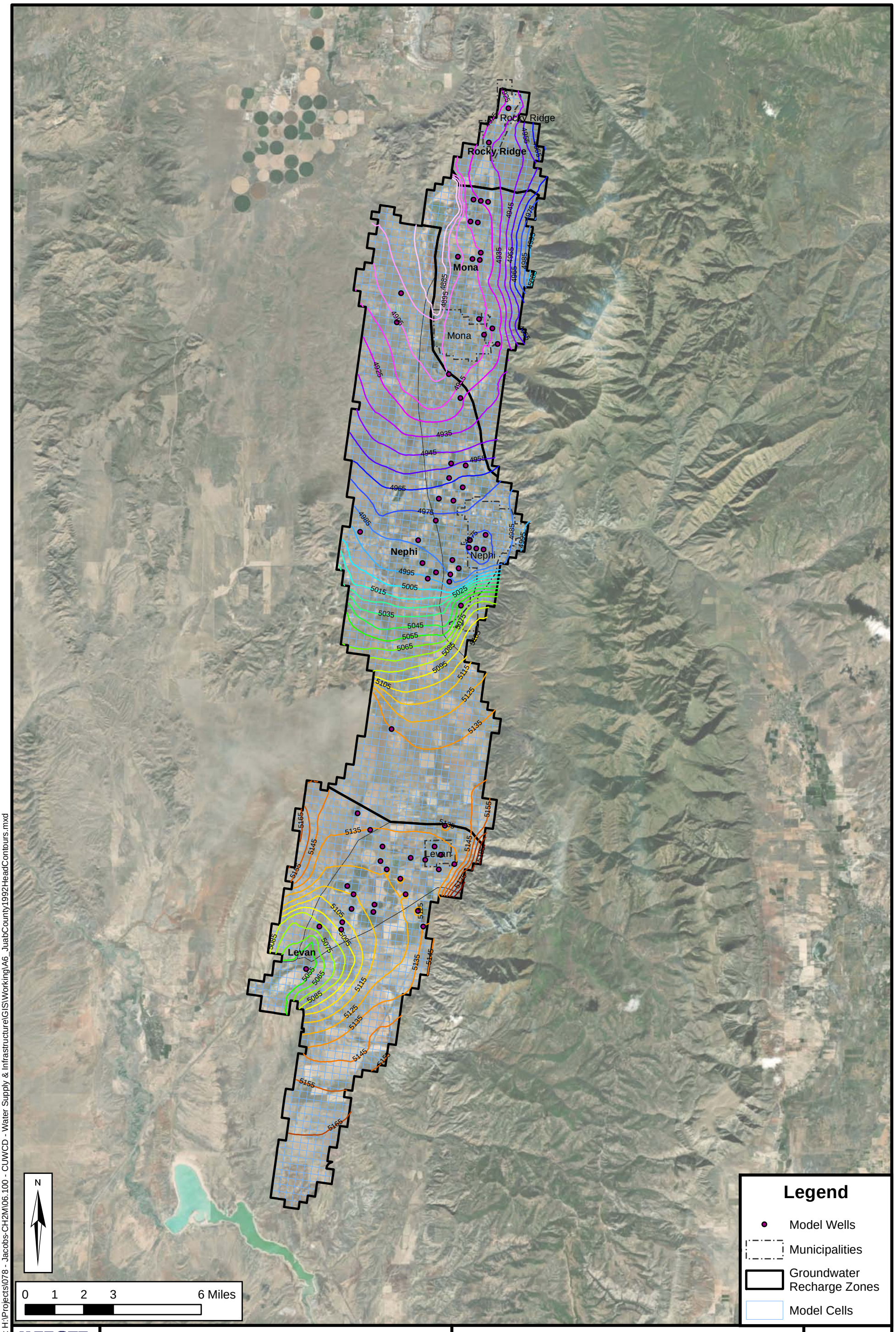
HANSEN ALLEN & LUCE INC ENGINEERS

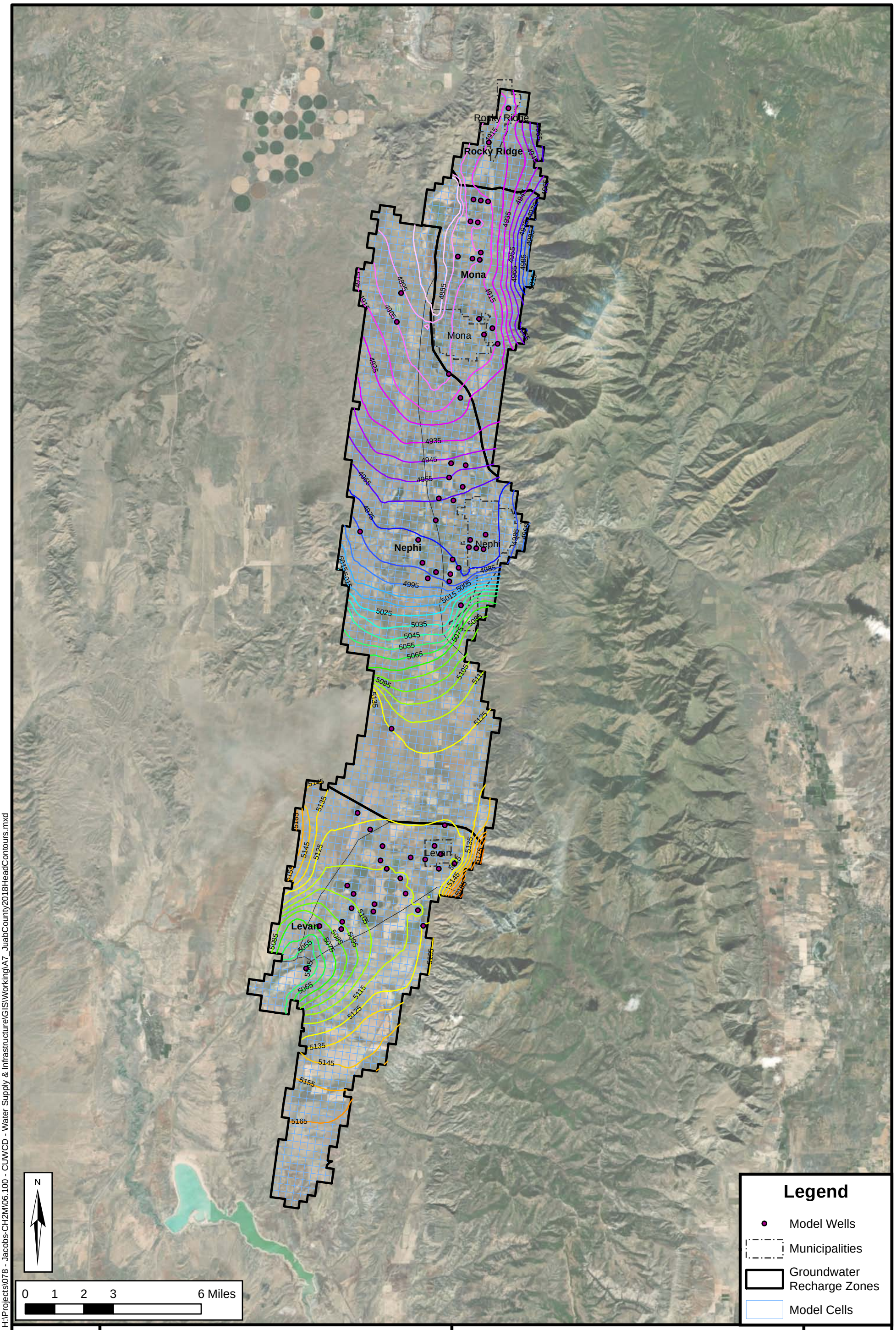
UTAH COUNTY

GROUNDWATER LEVEL IMPACT SAFE YIELD VS 2018

FIGURE
A-5

Date: 1/14/2020
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Rocky Ridge
Rocky Ridge
Mona
Mona
Nephi
Nephi
Levan
Levan
4925
4935
4945
4955
4965
4975
4985
4995
5005
5015
5025
5035
5045
5055
5065
5075
5085
5095
5105
5115
5125
5135
5145
5155
5165
N
0 1 2 3 6 Miles
Legend
Model Wells
Municipalities
Groundwater Recharge Zones
Model Cells
HANSEN ALLEN & LUCE INC ENGINEERS
JUAB COUNTY
MODEL GROUNDWATER LEVELS 1992
FIGURE A-6
Date: 1/16/2020
Document Path: H:\Projects\078 - Jacobs-CH2M\06.100 - CUWCD - Water Supply & Infrastructure\GIS\Working\A6_JuabCounty1992HeadContours.mxd



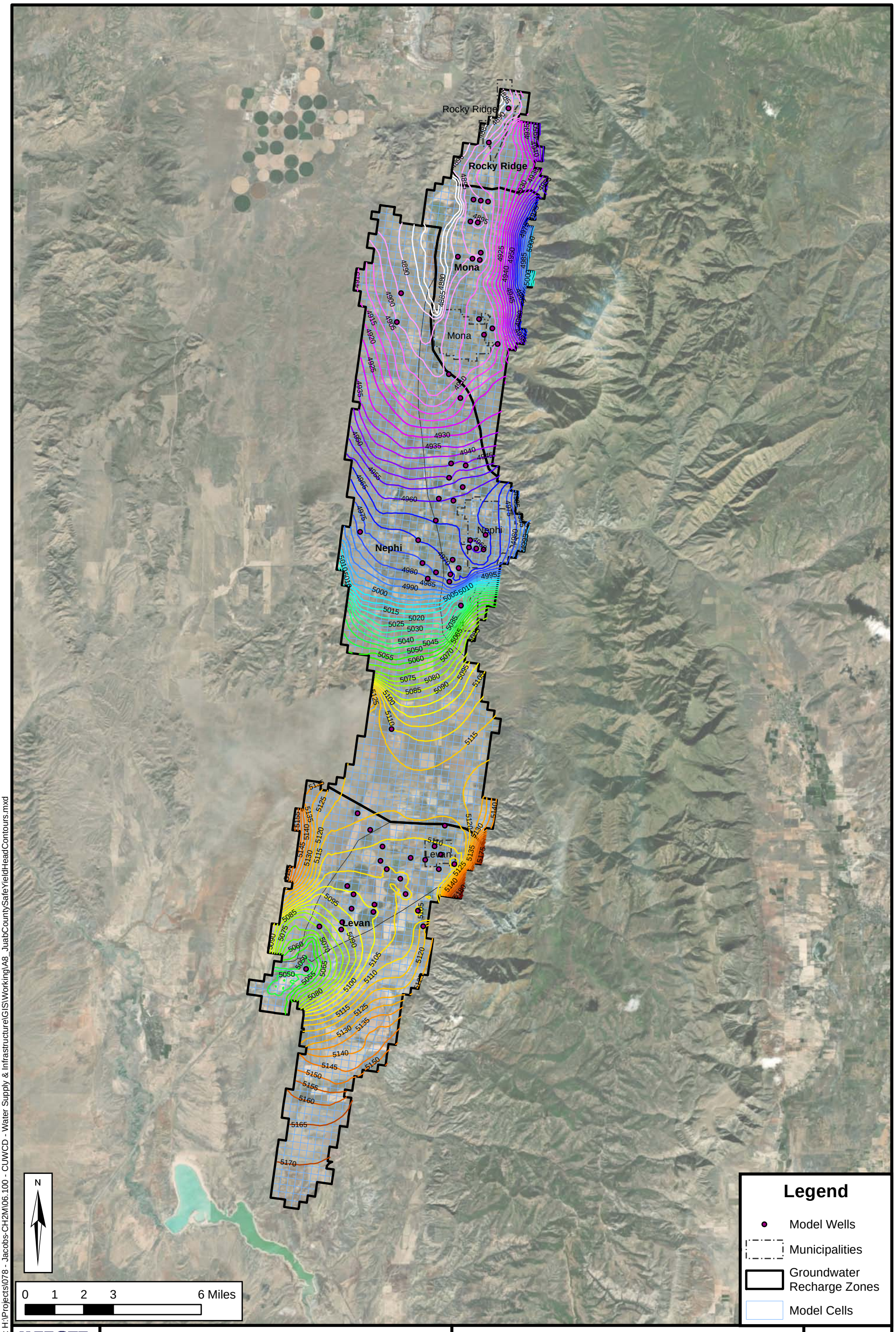
Date: 1/14/2020
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HANSEN ALLEN & LUCE INC ENGINEERS

JUAB COUNTY

MODEL GROUNDWATER LEVELS 2018

FIGURE A-7



HANSEN ALLEN & LUCE INC ENGINEERS

JUAB COUNTY

MODEL GROUNDWATER LEVELS SAFE YIELD

FIGURE A-8

Date: 1/16/2020
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Rocky Ridge
1992: 0 AF
2018: 85 AF

Mona
1992: 5,889 AF
2018: 5,225 AF

Nephi
1992: 13,325 AF
2018: 10,910 AF

Levan
1992: 8,608 AF
2018: 8,980 AF

Rocky Ridge

Mona

Nephi

Levan

N

0 1 2 3 6 Miles

Legend

- Model Wells
- Municipalities
- Groundwater Recharge Zones
- Model Cells

HANSEN ALLEN & LUCE INC ENGINEERS

JUAB COUNTY

GROUNDWATER LEVEL IMPACT 1992 vs 2018

FIGURE A-9

Date: 1/16/2020
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Note: Increased future withdrawals assumed to occur at existing well locations.

Rocky Ridge
2018: 85 AF
Safe Yield: 250 AF

Mona
2018: 5,225 AF
Safe Yield: 7,500 AF

Nephi
2018: 10,910 AF
Safe Yield: 14,950 AF

Levan
Safe Yield: 5,700 AF
2018: 8,980 AF

Rocky Ridge
Mona
Nephi
Levan

N

0 1 2 3 6 Miles

Legend

- Model Wells
- Municipalities
- Groundwater Recharge Zones
- Model Cells

Date: 1/16/2020
Document Path: H:\Projects\078 - Jacobs-CH2M\06.100 - CUWCD - Water Supply & Infrastructure\GIS\Working\A10_JuabCounty_DD_2018toSafeYield.mxd

HANSEN ALLEN & LUCE INC ENGINEERS

JUAB COUNTY

GROUNDWATER LEVEL IMPACT 2018 vs SAFE YIELD

FIGURE
A-10

APPENDIX B

Tabular Results

Table B-1: Southern Utah and Goshen Valleys: Annual withdrawals (in acre-feet)

Recharge	Safe Yield	2039	Subarea	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
-5,480	-2,740	-2,740	Benjamin/Lakeshore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-116	-111	-106	-151	-147	-142	-137	-132
-6,660	-3,330	-3,330	Elk Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-5	-85	-85
-4,210	-2,105	-2,105	Genola	0	-119	-119	-119	-119	-119	-119	-119	-119	-119	-119	-119	-119	-119	-90	-31	-30	-186	-2	-130	-130	-130	-130	-130
-2,400	-1,200	-1,200	Goshen	0	0	0	0	0	0	-236	-236	-236	-236	-236	-236	-236	-236	-165	-672	-615	-685	-649	-718	-951	-793	-1,023	-1,041
-18,870	-9,435	-16,933	Goshen Valley/Elberta	0	0	-470	-470	-470	-470	-540	-540	-540	-540	-540	-540	-2,208	-5,794	-11,072	-9,233	-13,607	-16,550	-13,525	-9,714	-12,224	-12,217	-11,246	-13,541
-9,400	-4,700	-5,231	Mapleton	0	0	0	0	0	-39	-39	-39	-39	-39	-39	-39	-177	-177	-397	-242	-68	-752	-338	-315	-324	-252	-258	-619
-15,870	-7,935	-7,935	Payson	-4	-4	-4	-4	-4	-4	-204	-204	-204	-234	-234	-1,068	-1,915	-1,935	-3,331	-2,395	-1,611	-3,254	-1,810	-2,212	-2,378	-2,118	-2,230	-3,877
-13,790	-6,895	-6,895	Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	-476	-572	-319	-300	-538	-271	-415	-492	-552	-752	-811
-16,460	-8,230	-8,230	Santaquin	0	0	0	0	-20	-20	-20	-89	-89	-89	-89	-89	-842	-1,526	-1,783	-1,511	-828	-1,109	-1,574	-1,556	-1,869	-1,956	-2,256	-3,214
-20,410	-10,205	-10,205	Spanish Fork	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-245	-517	-1,085	-592	-516	-926	-469	-440	-431	-572	-841	-964
-31,900	-15,950	-15,950	Springville	-209	-203	-198	-192	-187	-182	-176	-171	-165	-160	-154	-249	-394	-1,519	-1,513	-1,531	-1,481	-351	-1,151	-1,151	-1,151	-1,151	-1,151	-1,151
-2,520	-1,260	-1,260	Wetlands	0	0	0	0	0	0	0	0	0	0	-278	-278	-1,826	-1,826	-5,204	-2,088	-1,636	-3,333	-1,079	-1,029	-1,459	-574	-1,847	-2,417
-4,330	-2,165	-2,165	Woodland Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-152,300	-76,150	-84,179	Total	-433	-546	-1,011	-1,005	-1,020	-1,054	-1,554	-1,618	-1,612	-1,637	-1,909	-2,838	-7,962	-14,125	-25,212	-18,615	-20,809	-27,796	-20,974	-17,831	-21,556	-20,462	-21,957	-27,983

Recharge	Safe Yield	2039	Subarea	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
-5,480	-2,740	-2,740	Benjamin/Lakeshore	-127	-122	-118	-113	-108	-103	-50	-50	-50	-51	-51	-51	-51	-51	-51	-51	-51	-51	-50	-50	-50	-45	-40	-40
-6,660	-3,330	-3,330	Elk Ridge	-95	-95	-95	-91	-121	-100	-99	-117	-108	-116	-117	-112	-112	-105	-122	-137	-140	-170	-153	-178	-188	-224	-247	-395
-4,210	-2,105	-2,105	Genola	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	0	-71	-70	0	0	0	0	0	0
-2,400	-1,200	-1,200	Goshen	-1,010	-1,132	-1,074	-1,180	-662	-1,006	-745	-822	-723	-833	-575	-484	-935	-986	-1,072	-1,222	-1,281	-441	-481	-775	-537	-842	-509	-664
-18,870	-9,435	-16,933	Goshen Valley/Elberta	-15,719	-18,007	-18,040	-18,096	-19,765	-17,903	-18,212	-17,703	-15,851	-14,340	-5,575	-7,691	-9,925	-9,567	-7,455	-8,804	-10,669	-13,529	-13,607	-12,856	-11,119	-9,415	-8,066	-9,783
-9,400	-4,700	-5,231	Mapleton	-569	-711	-607	-948	-1,039	-821	-658	-591	-568	-510	-444	-544	-470	-471	-474	-668	-685	-920	-636	-709	-1,031	-1,052	-775	-860
-15,870	-7,935	-7,935	Payson	-2,106	-2,697	-1,622	-2,700	-2,512	-2,096	-2,789	-1,596	-2,329	-1,655	-1,342	-1,202	-1,901	-2,066	-2,335	-2,509	-3,193	-3,072	-2,617	-3,249	-732	-956	-1,523	-1,566
-13,790	-6,895	-6,895	Salem	-472	-622	-249	-1,043	-832	-568	-755	-434	-135	-147	-41	-64	-85	-92	-384	-535	-673	-632	-509	-639	-282	-460	-132	-31
-16,460	-8,230	-8,230	Santaquin	-2,910	-3,368	-3,885	-2,763	-3,429	-1,715	-2,454	-988	-1,674	-882	-804	-563	-764	-836	-981	-889	-1,990	-1,714	-1,452	-2,287	-1,107	-1,237	-638	-501
-20,410	-10,205	-10,205	Spanish Fork	-951	-884	-867	-1,063	-1,196	-1,315	-1,231	-1,076	-900	-898	-898	-1,003	-372	-749	-802	-750	-1,179	-1,297	-1,220	-1,608	-265	-651	-403	-751
-31,900	-15,950	-15,950	Springville	-1,151	-1,151	-1,151	-1,151	-1,151	-1,151	-1,151	-1,151	-1,171	-1,130	-1,215	-936	-1,001	-1,253	-1,521	-2,305	-4,004	-3,813	-2,502	-4,211	-1,741	-3,427	-1,252	-2,478
-2,520	-1,260	-1,260	Wetlands	-1,828	-2,801	-1,501	-2,974	-2,619	-1,845	-1,671	-880	-2,302	-673	-471	-594	-670	-595	-1,045	-859	-582	-1,744	-1,662	-2,545	-682	-1,070	-784	-866
-4,330	-2,165	-2,165	Woodland Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-84	-84	0	0	0	0	0	0
-152,300	-76,150	-84,179	Total	-27,069	-31,720	-29,339	-32,252	-33,565	-28,753	-29,944	-25,538	-25,941	-21,364	-11,662	-13,374	-16,417	-16,900	-16,372	-18,729	-24,601	-27,537	-24,889	-29,106	-17,733	-19,379	-14,370	-17,934

Recharge	Safe Yield	2039	Subarea	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
-5,480	-2,740	-2,740	Benjamin/Lakeshore	-40	-40	-40	-30	-30	-50	-30	-42	-48	-45	-37	-38	-48	-53	0	-35	-35	-34	-36	-36	-35	-36
-6,660	-3,330	-3,330	Elk Ridge	-182	-498	-468	-579	-464	-448	-438	-477	-476	-485	-485	-480	-684	-485	-412	-843	-904	-954	-1,026	-828	-807	-927
-4,210	-2,105	-2,105	Genola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2,400	-1,200	-1,200	Goshen	-981	-1,337	-464	-564	-882	-526	-799	-423	-868	-1,100	-1,859	-1,120	-732	-1,013	-906	-1,113	-963	-905	-1,004	-990	-995	-996
-18,870	-9,435	-16,933	Goshen Valley/Elberta	-8,979	-11,329	-12,980	-14,324	-11,791	-11,115	-7,317	-8,639	-10,203	-10,477	-15,780	-20,117	-15,044	-16,577	-16,812	-16,564	-16,713	-15,585	-16,910	-16,736	-16,522	-16,933
-9,400	-4,700	-5,231	Mapleton	-838	-574	-357	-2,673	-2,444	-1,775	-4,309	-9,612	-4,407	-10,098	-4,555	-3,975	-8,887	-5,496	-4,827	-4,873	-5,218	-4,879	-4,814	-5,171	-4,454	-5,231
-15,870	-7,935	-7,935	Payson	-1,659	-1,563	-1,724	-2,428	-2,427	-3,390	-3,048	-3,265	-2,452	-1,892	-2,015	-2,612	-2,028	-2,531	-1,513	-2,169	-2,656	-2,971	-3,219	-3,202	-2,857	-2,900
-13,790	-6,895	-6,895	Salem	-299	-170	-904	-1,615	-1,920	-1,850	-1,543	-1,550	-1,829	-302	-2,271	-1,259	-286	-629	-492	-1,127	-1,260	-1,323	-1,158	-2,142	-1,851	-2,008
-16,460	-8,230	-8,230	Santaquin	-714	-771	-1,073	-1,782	-1,514	-1,706	-1,803	-1,347	-657	-1,432	-1,543	-1,089	-1,085	-1,107	-816	-856	-777	-754	-1,478	-978	-1,322	-1,488
-20,410	-10,205	-10,205	Spanish Fork	-1,006	-921	-956	-2,932	-3,868	-2,195	-3,857	-2,959	-2,898	-94	-3,182	-3	-1,501	-1,773	-1,977	-1,801	-1,248	-2,299	-1,333	-2,049	-2,001	-2,564
-31,900	-15,950	-15,950	Springville	-2,260	-1,557	-2,939	-5,370	-6,034	-5,285	-1,194	-5,627	-3,888	-2,890	-7,306	-6,148	-3,537	-4,942	-2,533	-5,701	-6,363	-4,352	-5,451	-5,834	-4,524	-5,452
-2,520	-1,260	-1,260	Wetlands	-887	-874	-827	-1,633	-1,809	-3,075	-4,017	-1,737	-1,460	-1,774	-3,948	-1,723	-469	-631	-805	-1,498	-1,011	-845	-981	-1,041	-1,075	-1,016
-4,330	-2,165	-2,165	Woodland Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-152,300	-76,150	-84,179	Total	-17,846	-19,634	-22,732	-33,929	-33,183	-31,416	-28,354	-35,679	-29,185	-30,589	-42,981	-38,564	-34,300	-35,238	-31,092	-36,578	-37,148	-34,900	-37,410	-39,007	-36,444	-39,550

Recharge	Safe Yield	2039	Subarea	Remaining Safe Yield	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
-5,480	-2,740	-2,740	Benjamin/Lakeshore	-2,704	-36	-306	-576	-847	-1,117	-1,388	-1,658	-1,928	-2,199	-2,469	-2,740	-2,740	-2,740	-2,740	-2,740	-2,740	-2,740	-2,740	-2,740	-2,740	-2,740
-6,660	-3,330	-3,330	Elk Ridge	-2,403	-854	-1,094	-1,335	-1,575	-1,815	-2,056	-2,296	-2,536	-2,777	-3,017	-3,257	-3,257	-3,257	-3,257	-3,257	-3,257	-3,257	-3,257	-3,257	-3,257	-3,257
-4,210	-2,105	-2,105	Genola	-2,105	0	-211	-421	-632	-842	-1,053	-1,263	-1,474	-1,684	-1,895	-2,105	-2,105	-2,105	-2,105	-2,105	-2,105	-2,105	-2,105	-2,105	-2,105	-2,105
-2,400	-1,200	-1,200	Goshen	-204	-994	-1,014	-1,034	-1,055	-1,075	-1,096	-1,116	-1,136	-1,157	-1,177	-1,198	-1,198	-1,198	-1,198	-1,198	-1,198	-1,198	-1,198	-1,198	-1,198	-1,198
-18,870	-9,435	-16,933	Goshen Valley/Elberta	0	-16,730	-16,730	-16,730	-16,730	-16,730	-16,730	-16,730	-16,730	-16,730	-16,731	-16,731	-16,731	-16,731	-16,731	-16,731	-16,731	-16,731	-16,731	-16,731	-16,731	-16,731
-9,400	-4,700	-5,231	Mapleton	0	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952	-4,952
-15,870	-7,935	-7,935	Payson	-5,035	-2,987	-3,490	-3,993	-4,497	-5,000	-5,504	-6,007	-6,511	-7,014	-7,518	-8,021	-8,021	-8,021	-8,021	-8,021	-8,021	-8,021	-8,021	-8,021	-8,021	-8,021
-13,790	-6,895	-6,895	Salem	-4,887	-2,000	-2,489	-2,978	-3,466	-3,955	-4,444	-4,933	-5,421	-5,910	-6,399	-6,887	-6,887	-6,887	-6,887	-6,887	-6,887	-6,887	-6,887	-6,887	-6,887	-6,887
-16,460	-8,230	-8,230	Santaquin	-6,742	-1,263	-1,937	-2,611	-3,285	-3,960	-4,634	-5,308	-5,982	-6,657	-7,331	-8,005	-8,005	-8,005	-8,005	-8,005	-8,005	-8,005	-8,005	-8,005	-8,005	-8,005
-20,410	-10,205	-10,205	Spanish Fork	-7,641	-2,205	-2,969	-3,733	-4,497	-5,261	-6,025	-6,789	-7,553	-8,317	-9,081	-9,846	-9,846	-9,846	-9,846	-9,846	-9,846	-9,846	-9,846	-9,846	-9,846	-9,846
-31,900	-15,950	-15,950	Springville	-10,498	-5,270	-6,320	-7,370	-8,419	-9,469	-10,519	-11,569	-12,618	-13,668	-14,718	-15,768	-15,768	-15,768	-15,768	-15,768	-15,768	-15,768	-15,768	-15,768	-15,768	-15,768
-2,520	-1,260	-1,260	Wetlands	-244	-1,044	-1,068	-1,093	-1,117	-1,141	-1,166	-1,190	-1,215	-1,239	-1,264	-1,288	-1,288	-1,288	-1,288	-1,288	-1,288	-1,288	-1,288	-1,288	-1,288	-1,288
-4,330	-2,165	-2,165	Woodland Hills	-2,165	0	-217	-433	-650	-866	-1,083	-1,299	-1,516	-1,732	-1,949	-2,165	-2,165	-2,165	-2,165	-2,165	-2,165	-2,165	-2,165	-2,165	-2,165	-2,165
-152,300	-76,150	-84,179	Total	-44,629	-38,334	-42,796	-47,259	-51,722	-56,185	-60,648	-65,111	-69,574	-74,037	-78,499	-82,962	-82,962	-82,962	-82,962	-82,962	-82,962	-82,962	-82,962	-82,962	-82,962	-82,962

Table B-2: Juab Valley: Annual Withdrawals (in acre-feet)

Recharge	Safe Yield	Subarea	49-53	54-59	60-67	68-69	70-77	78-82	83-86	87-92	1992	1993	1994	1995	1996	1997
-11,400	-5,700	Levan	-506	-1,052	-2,355	-3,126	-6,260	-5,059	-3,288	-7,986	-8,608	-7,125	-8,349	-4,008	-5,861	-4,627
-15,000	-7,500	Mona	-419	-676	-4,327	-4,327	-5,512	-4,501	-909	-3,903	-5,889	-4,966	-5,703	-2,744	-4,009	-3,165
-29,900	-14,950	Nephi	-628	-4,352	-7,818	-8,230	-13,260	-8,787	-3,657	-13,325	-13,447	-6,459	-11,948	-6,249	-9,130	-7,208
-1,800	-250	Rocky Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-58,100	-28,400	Total	-1,553	-6,080	-14,501	-15,683	-25,032	-18,348	-7,854	-25,215	-27,944	-18,551	-26,000	-13,000	-19,000	-15,000

Recharge	Safe Yield	Subarea	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
-11,400	-5,700	Levan	-3,695	-4,351	-8,342	-8,871	-9,310	-8,783	-8,599	-4,715	-7,123	-8,577	-8,234	-6,625	-7,129	-5,065
-15,000	-7,500	Mona	-2,528	-3,013	-5,879	-6,266	-5,919	-5,639	-5,470	-3,000	-4,582	-5,471	-5,277	-4,249	-4,568	-3,251
-29,900	-14,950	Nephi	-5,756	-6,610	-12,748	-13,826	-13,737	-12,539	-11,889	-6,236	-9,239	-11,890	-12,427	-10,058	-10,233	-6,625
-1,800	-250	Rocky Ridge	-21	-27	-31	-38	-35	-39	-43	-49	-56	-62	-62	-68	-70	-59
-58,100	-28,400	Total	-12,000	-14,000	-27,000	-29,000	-29,000	-27,000	-26,000	-14,000	-21,000	-26,000	-26,000	-21,000	-22,000	-15,000

Rem. Safe Yield	Recharge	Safe Yield	Subarea	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
0	-11,400	-5,700	Levan	-9,046	-8,858	-9,462	-9,997	-9,492	-6,456	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980
-2,275	-15,000	-7,500	Mona	-5,816	-5,726	-6,094	-6,612	-6,369	-4,773	-5,225	-5,452	-5,680	-5,907	-6,135	-6,362	-6,590	-6,817
-4,040	-29,900	-14,950	Nephi	-13,060	-12,348	-13,378	-14,320	-17,056	-8,695	-10,910	-11,314	-11,718	-12,122	-12,526	-12,930	-13,334	-13,738
-165	-1,800	-250	Rocky Ridge	-78	-68	-65	-71	-82	-77	-85	-102	-118	-135	-151	-168	-184	-201
-6,480	-58,100	-28,400	Total	-28,000	-27,000	-29,000	-31,000	-33,000	-20,000	-25,200	-25,848	-26,496	-27,144	-27,792	-28,440	-29,088	-29,736

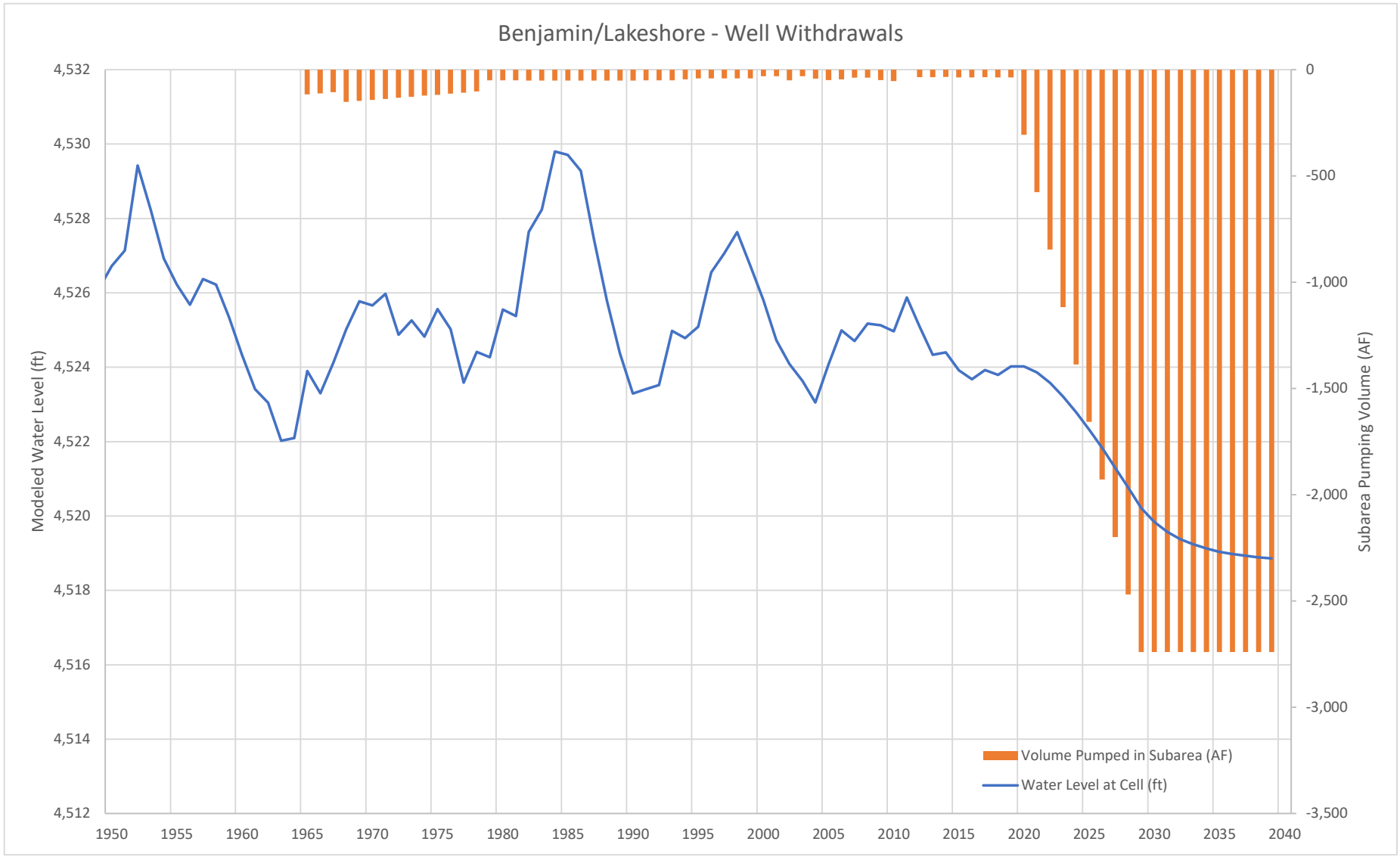
Rem. Safe Yield	Recharge	Safe Yield	Subarea	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
0	-11,400	-5,700	Levan	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980	-8,980
-2,275	-15,000	-7,500	Mona	-7,045	-7,272	-7,500	-7,500	-7,500	-7,500	-7,500	-7,500	-7,500	-7,500	-7,500	-7,500	-7,500	-7,500
-4,040	-29,900	-14,950	Nephi	-14,142	-14,546	-14,950	-14,950	-14,950	-14,950	-14,950	-14,950	-14,950	-14,950	-14,950	-14,950	-14,950	-14,950
-165	-1,800	-250	Rocky Ridge	-217	-234	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250
-6,480	-58,100	-28,400	Total	-30,384	-31,032	-31,680	-31,680	-31,680	-31,680	-31,680	-31,680	-31,680	-31,680	-31,680	-31,680	-31,680	-31,680

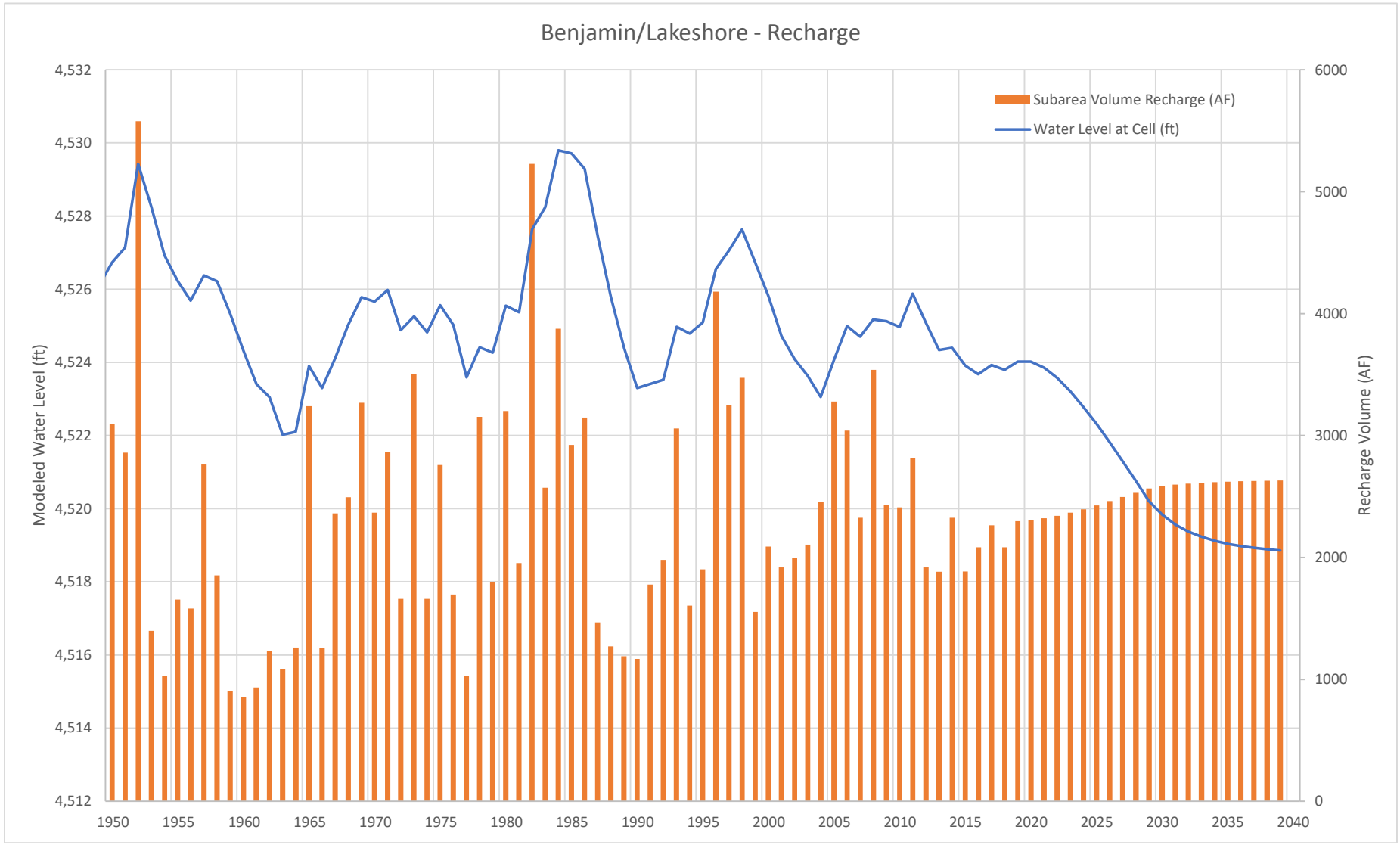
APPENDIX C

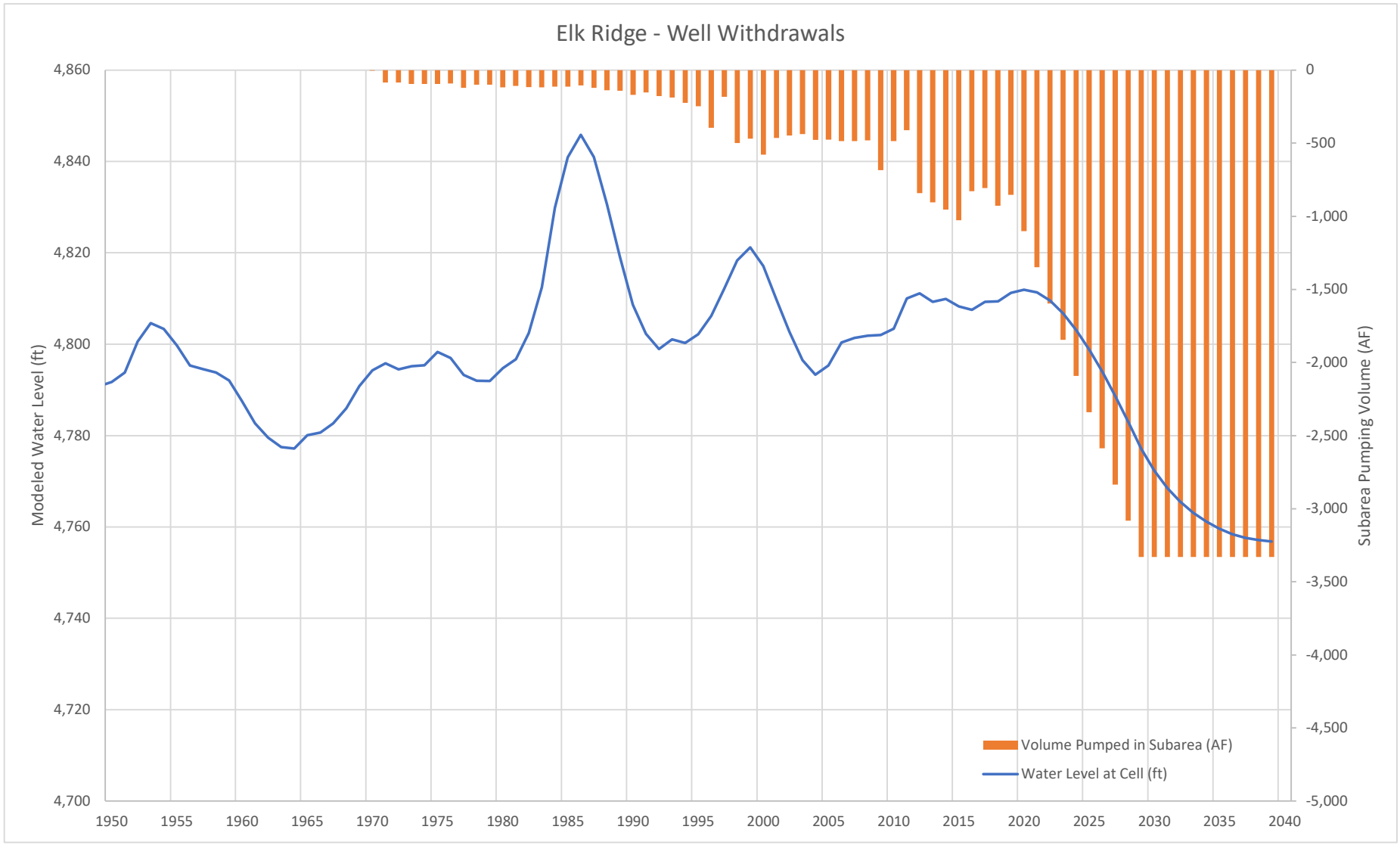
Digital Groundwater Models

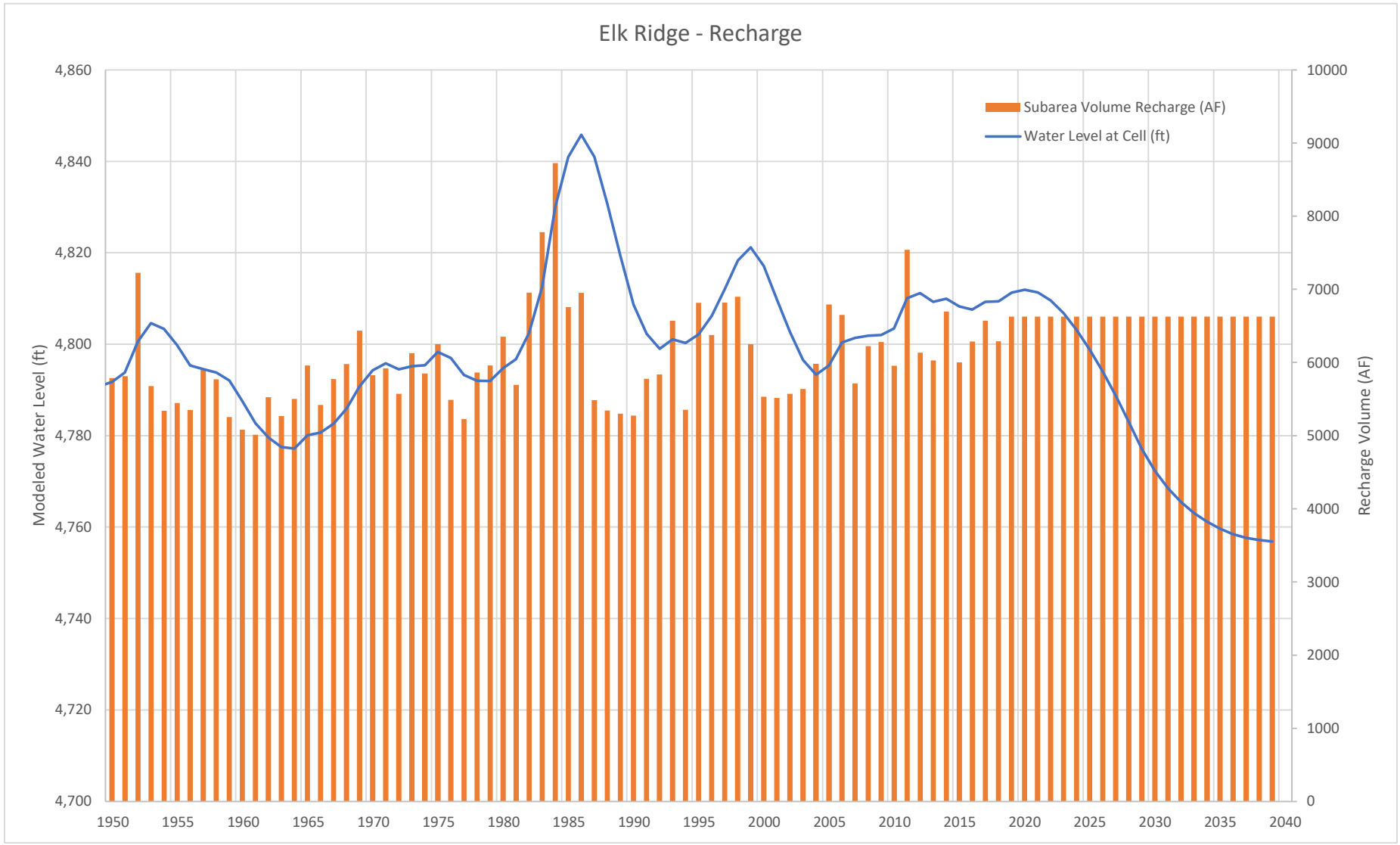
APPENDIX D

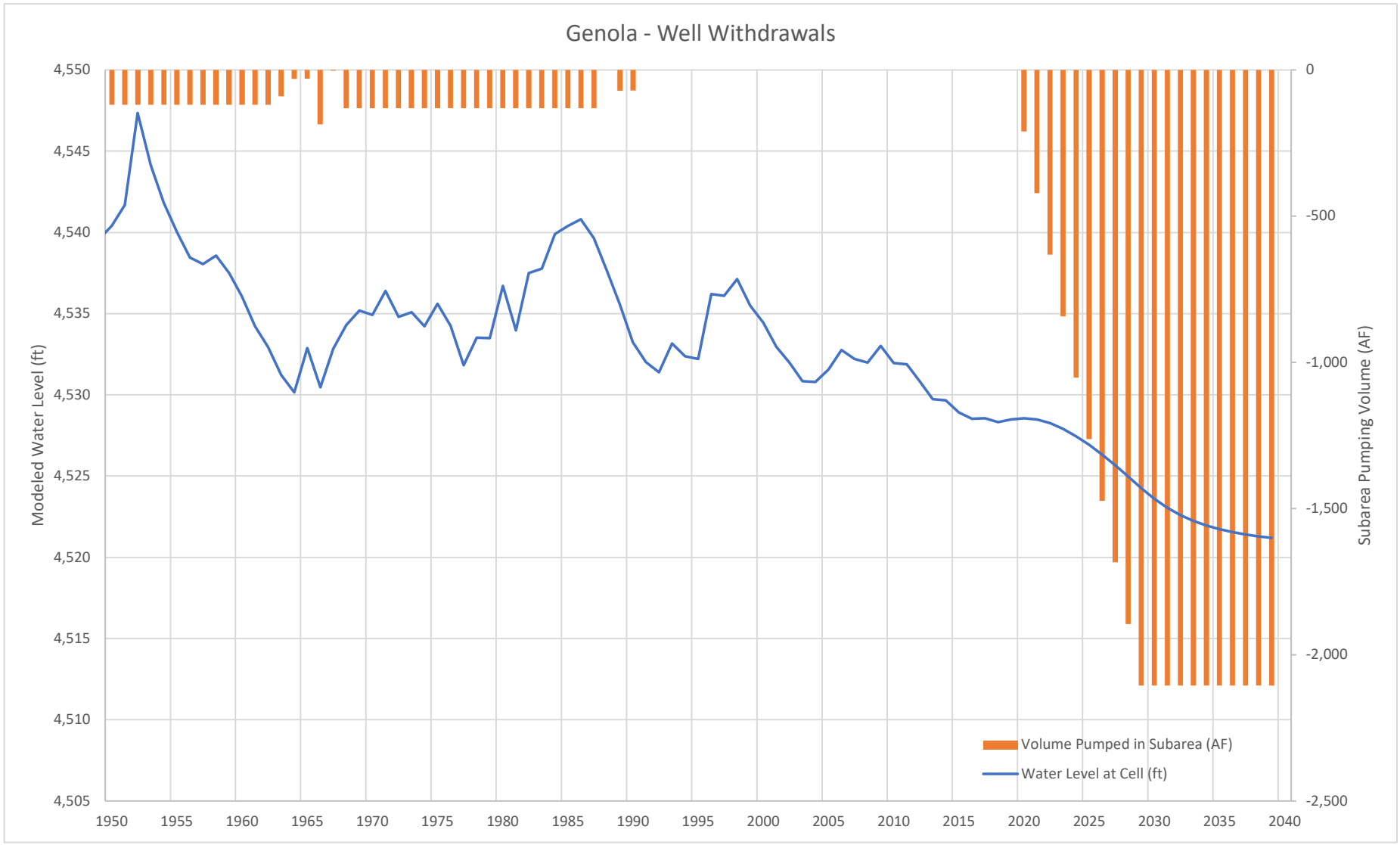
Water Level Graphs

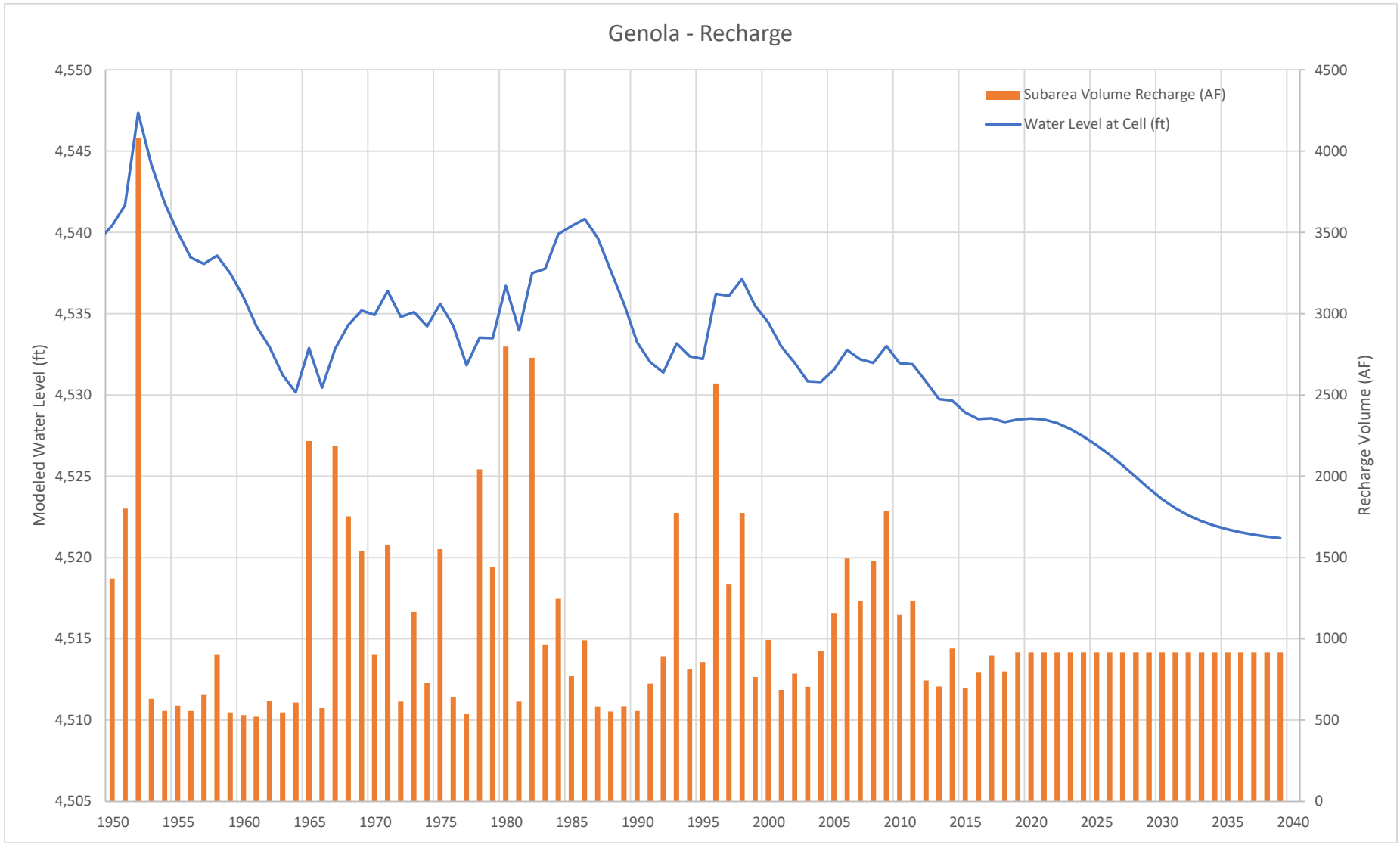

Benjamin/Lakeshore - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,532
4,530
4,528
4,526
4,524
4,522
4,520
4,518
4,516
4,514
4,512
0
-500
-1,000
-1,500
-2,000
-2,500
-3,000
-3,500
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

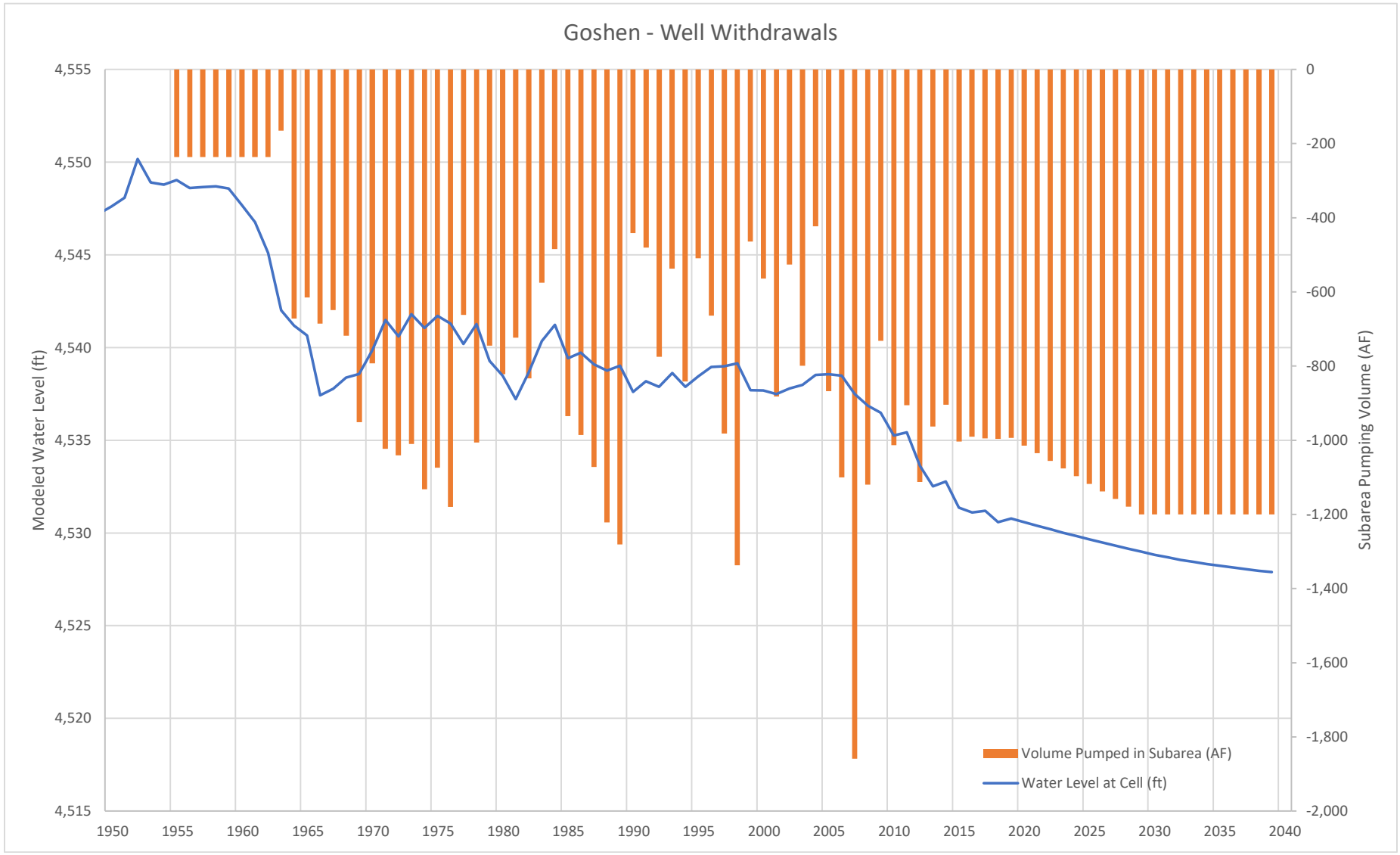

Benjamin/Lakeshore - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,532
4,530
4,528
4,526
4,524
4,522
4,520
4,518
4,516
4,514
4,512
6000
5000
4000
3000
2000
1000
0
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040

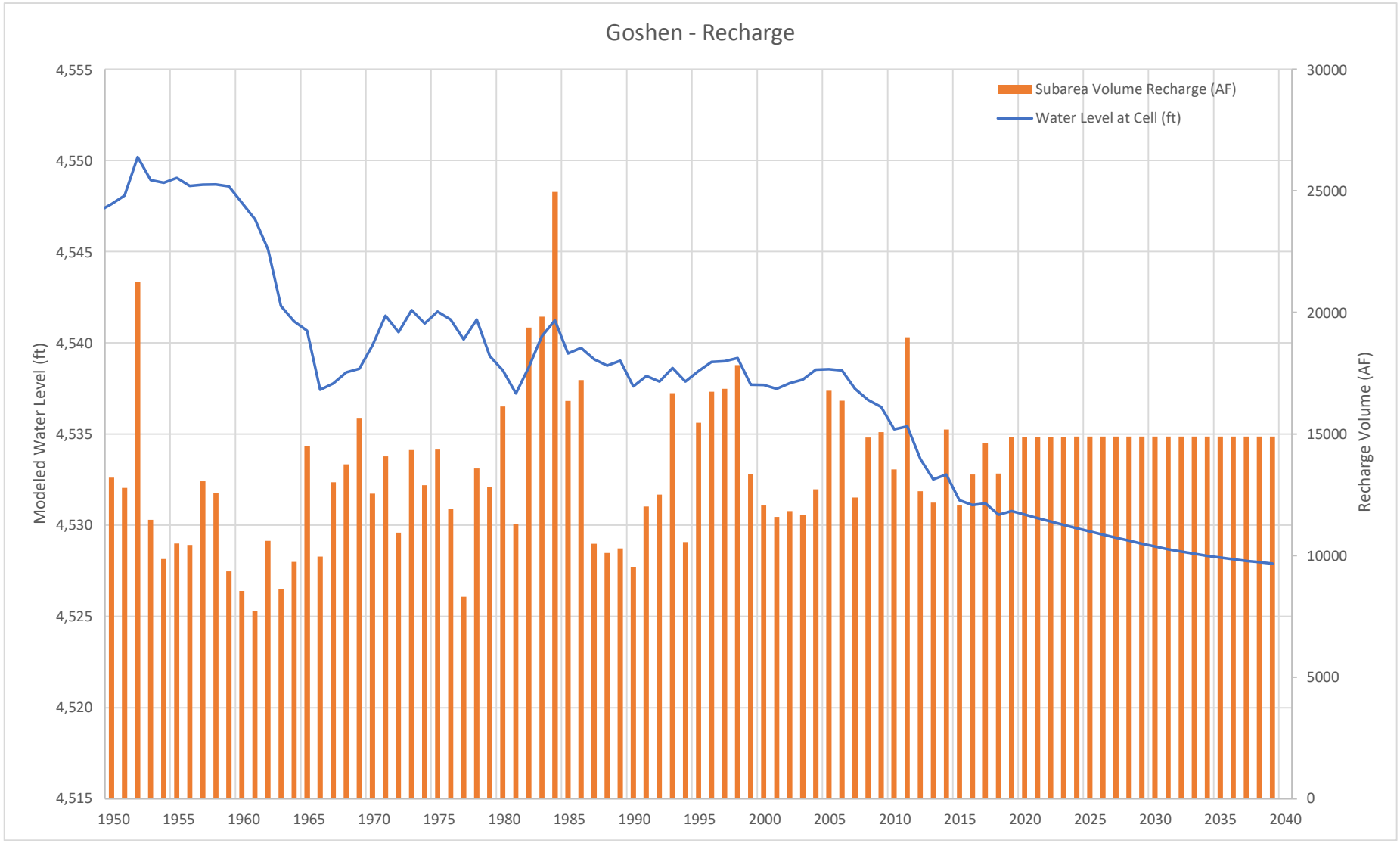

Elk Ridge - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,860
4,840
4,820
4,800
4,780
4,760
4,740
4,720
4,700
0
-500
-1,000
-1,500
-2,000
-2,500
-3,000
-3,500
-4,000
-4,500
-5,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

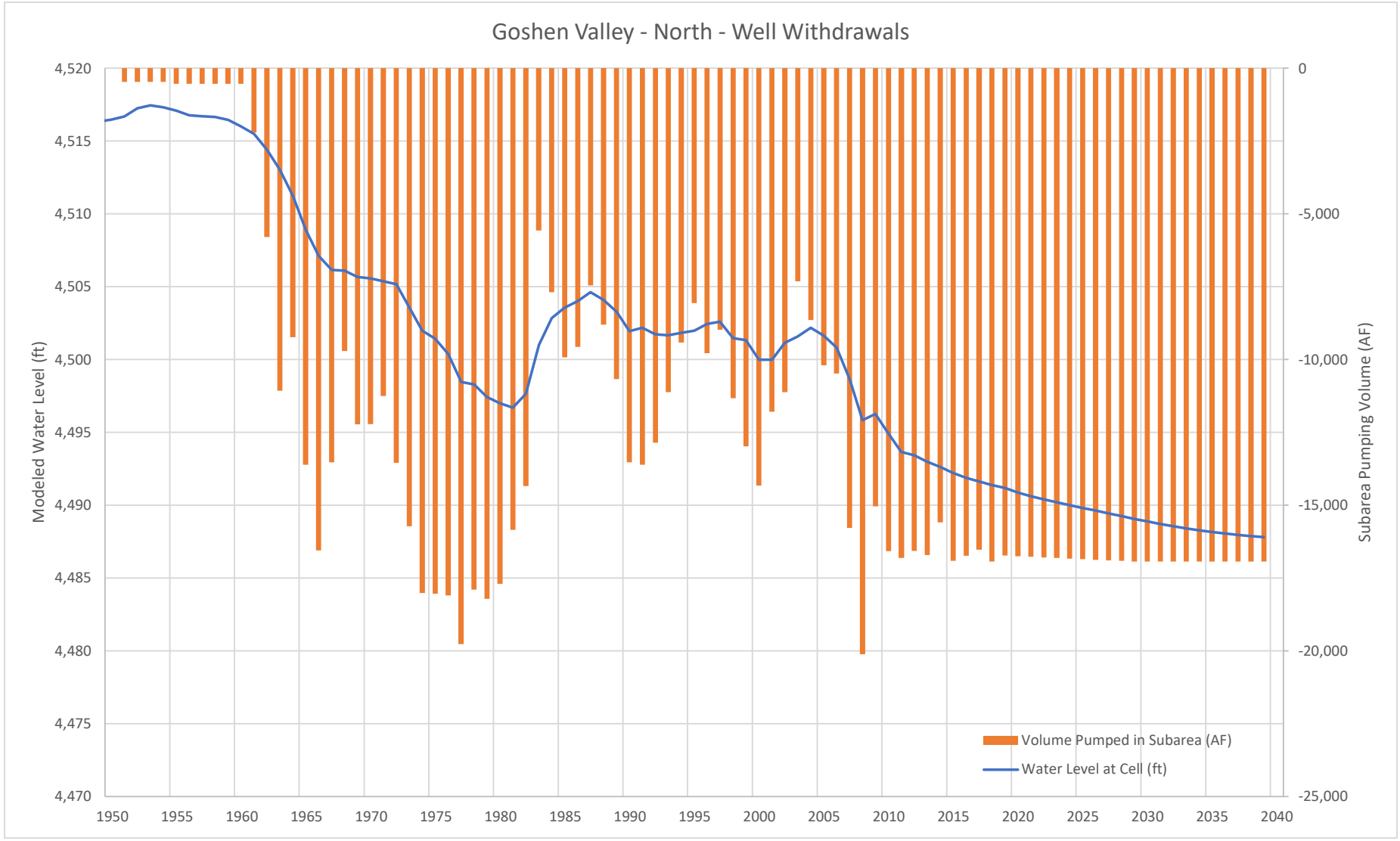

Elk Ridge - Recharge
Modeled Water Level (ft)
Recharge Volume (AF)
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
4,860
4,840
4,820
4,800
4,780
4,760
4,740
4,720
4,700
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040

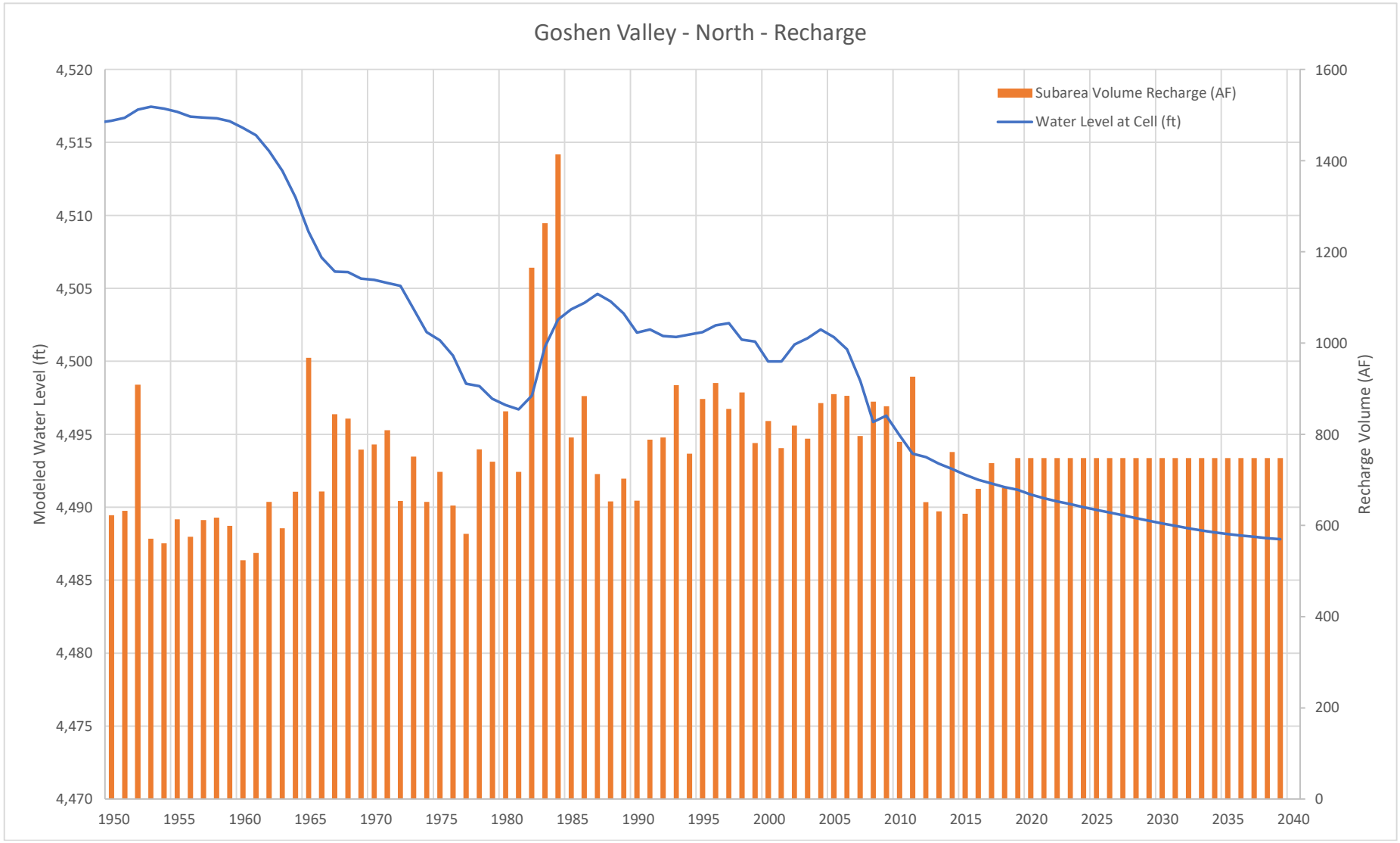

Genola - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,550
4,545
4,540
4,535
4,530
4,525
4,520
4,515
4,510
4,505
0
-500
-1,000
-1,500
-2,000
-2,500
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

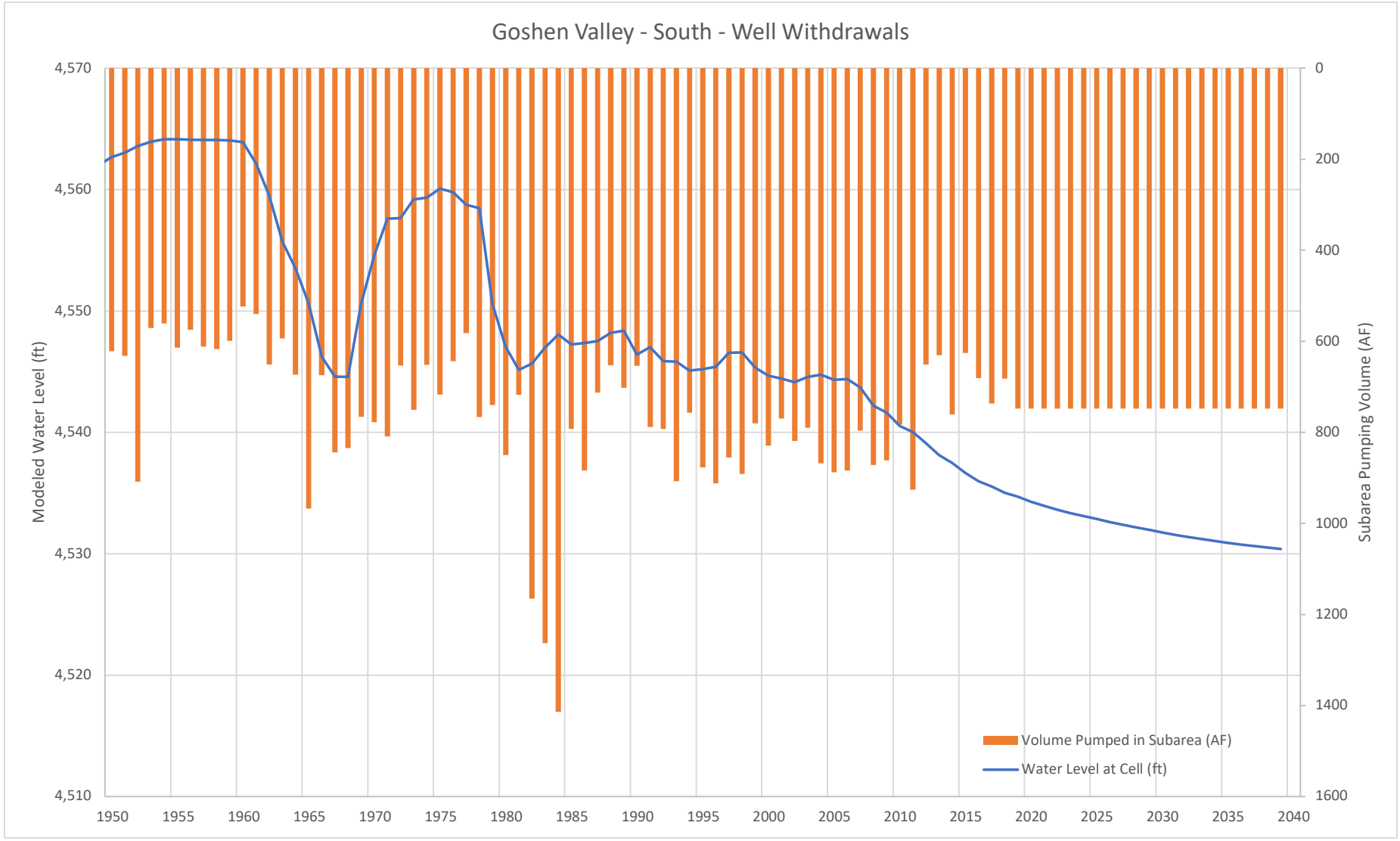

Genola - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,550
4,545
4,540
4,535
4,530
4,525
4,520
4,515
4,510
4,505
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040

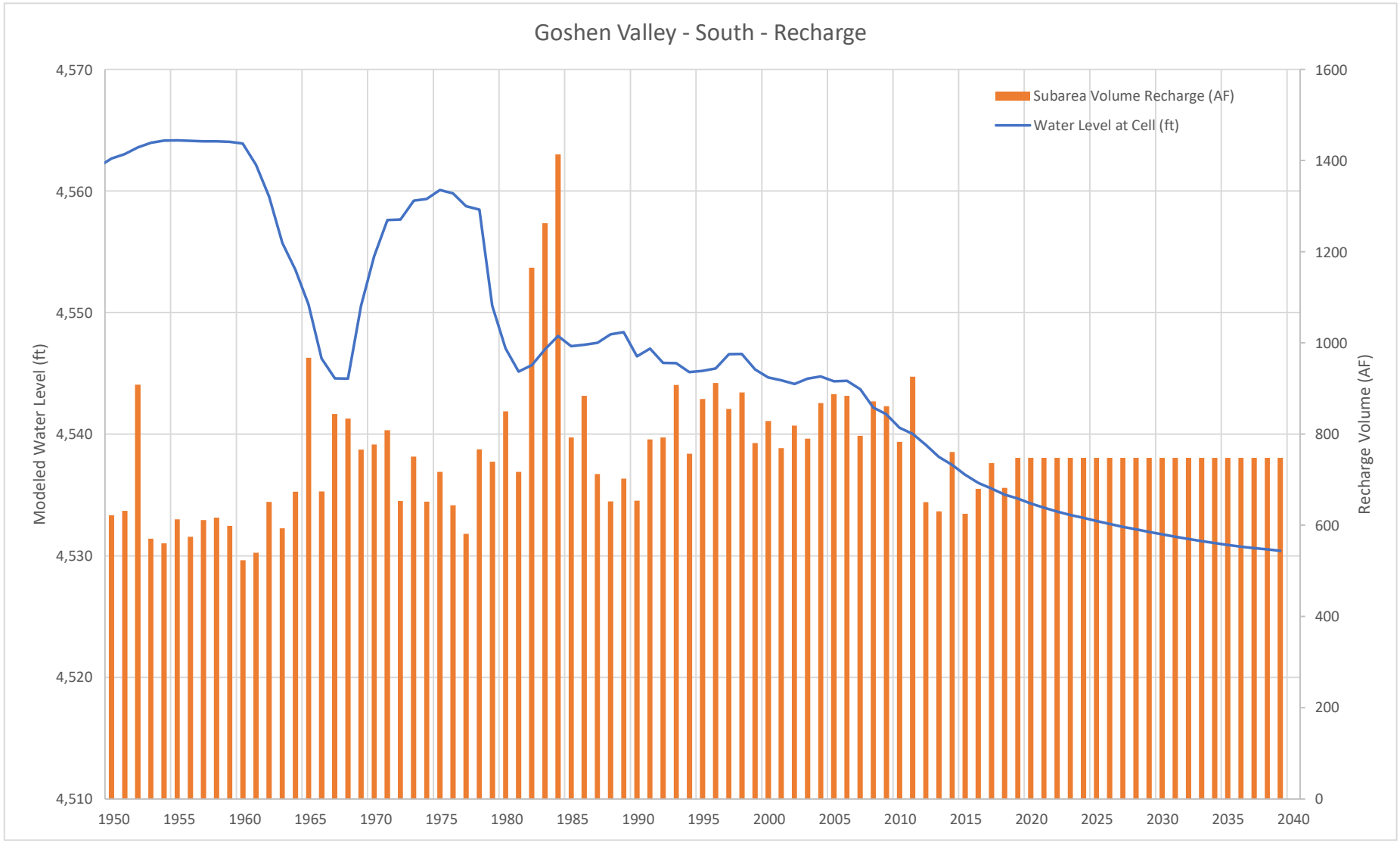

Goshen - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,555
4,550
4,545
4,540
4,535
4,530
4,525
4,520
4,515
0
-200
-400
-600
-800
-1,000
-1,200
-1,400
-1,600
-1,800
-2,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

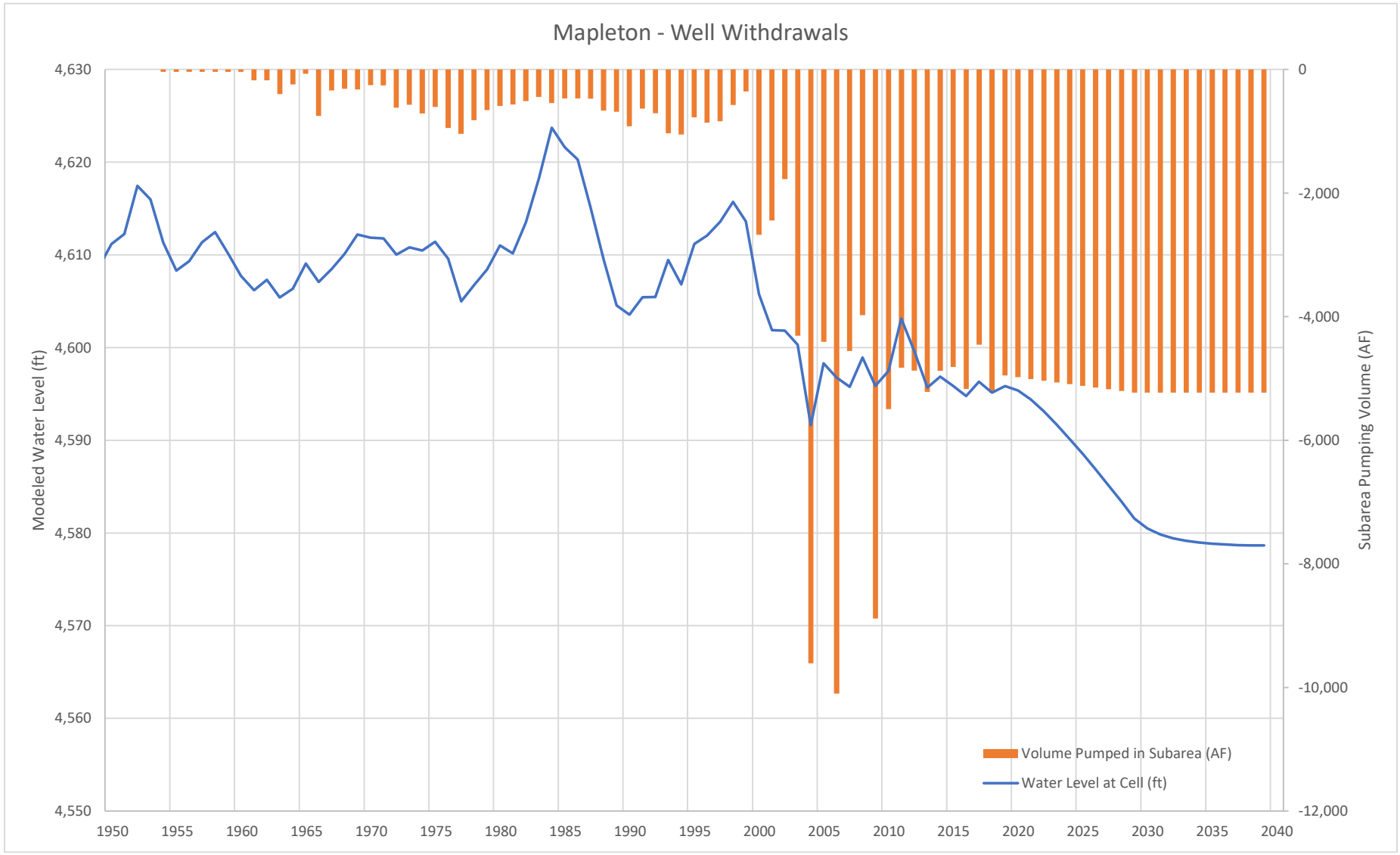

Goshen - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,555
4,550
4,545
4,540
4,535
4,530
4,525
4,520
4,515
30000
25000
20000
15000
10000
5000
0
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040

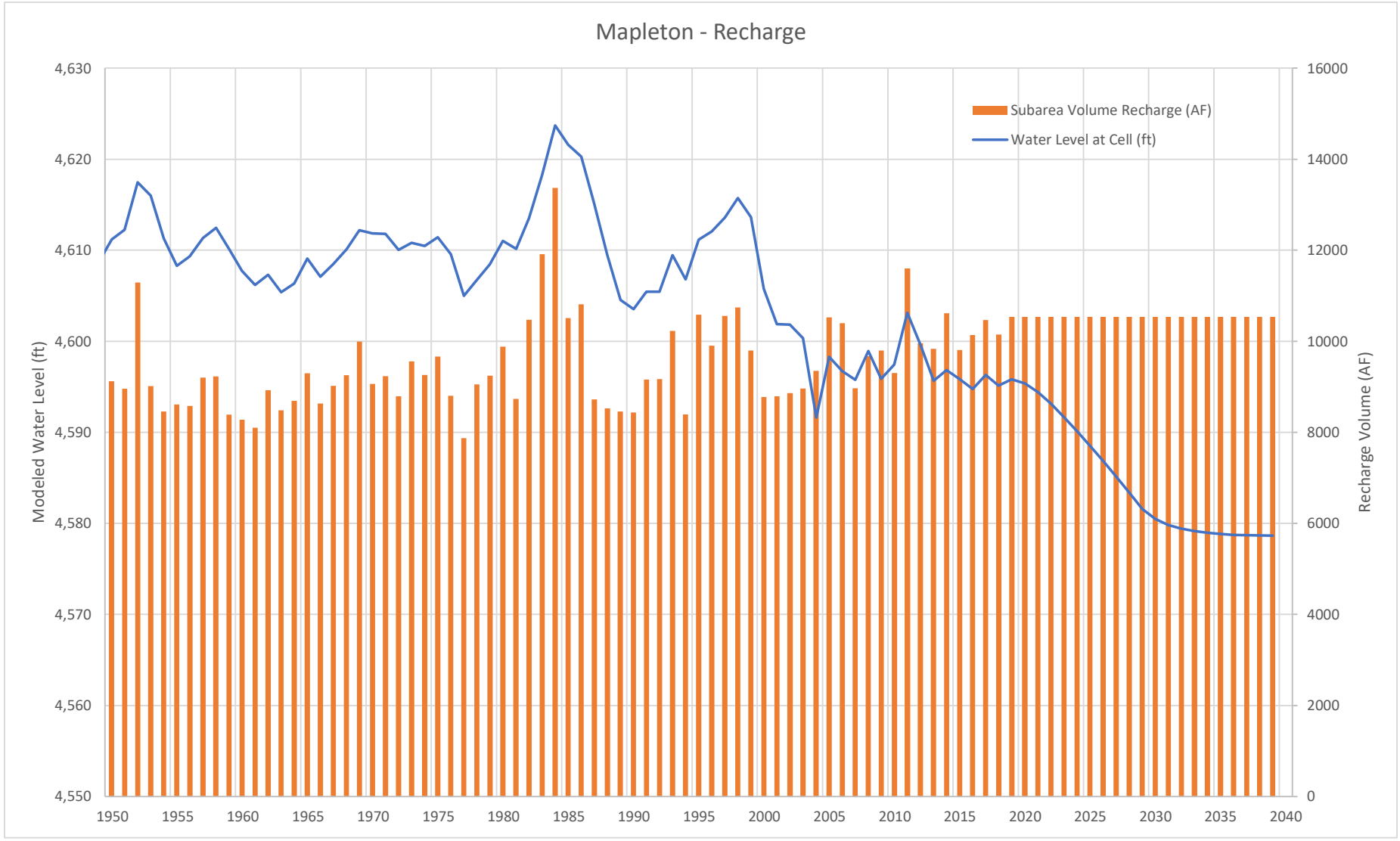

Goshen Valley - North - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,520
4,515
4,510
4,505
4,500
4,495
4,490
4,485
4,480
4,475
4,470
0
-5,000
-10,000
-15,000
-20,000
-25,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

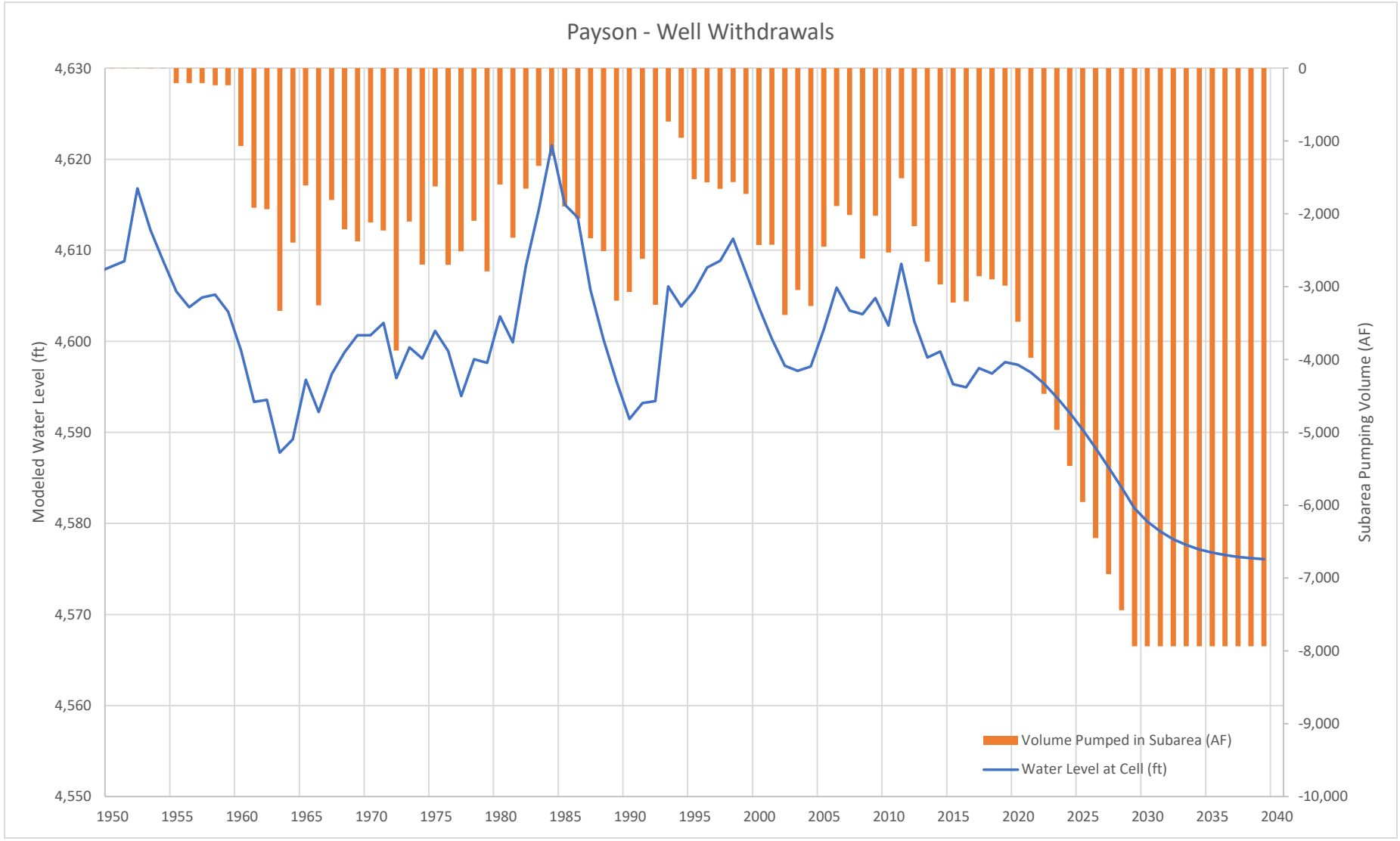

Goshen Valley - North - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,520
4,515
4,510
4,505
4,500
4,495
4,490
4,485
4,480
4,475
4,470
1600
1400
1200
1000
800
600
400
200
0
1950
1955
1960
1965
1970
1975
1980
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1990
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2000
2005
2010
2015
2020
2025
2030
2035
2040

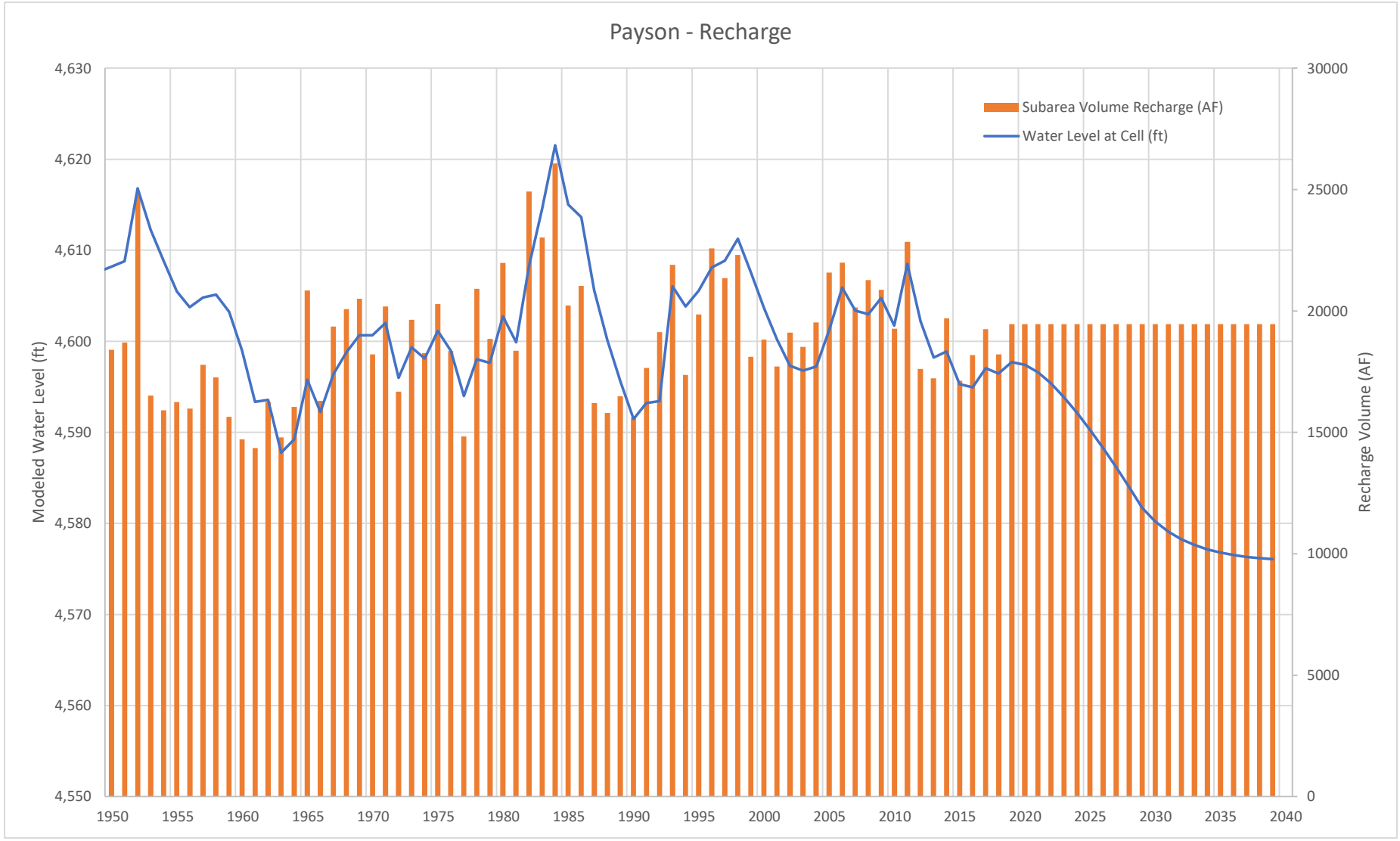

Goshen Valley - South - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,570
4,560
4,550
4,540
4,530
4,520
4,510
0
200
400
600
800
1000
1200
1400
1600
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

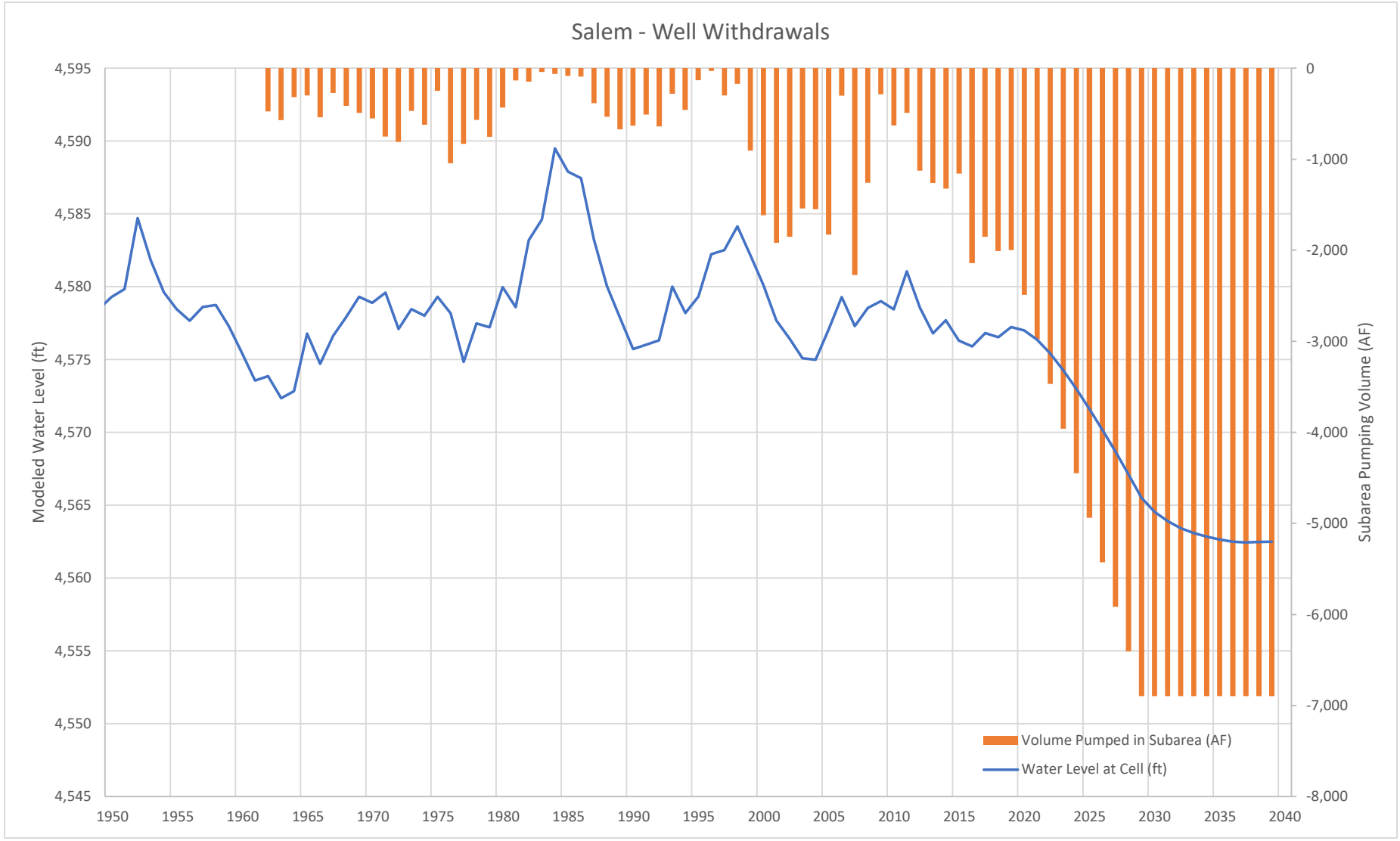

Goshen Valley - South - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,570
4,560
4,550
4,540
4,530
4,520
4,510
1600
1400
1200
1000
800
600
400
200
0
1950
1955
1960
1965
1970
1975
1980
1985
1990
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2000
2005
2010
2015
2020
2025
2030
2035
2040

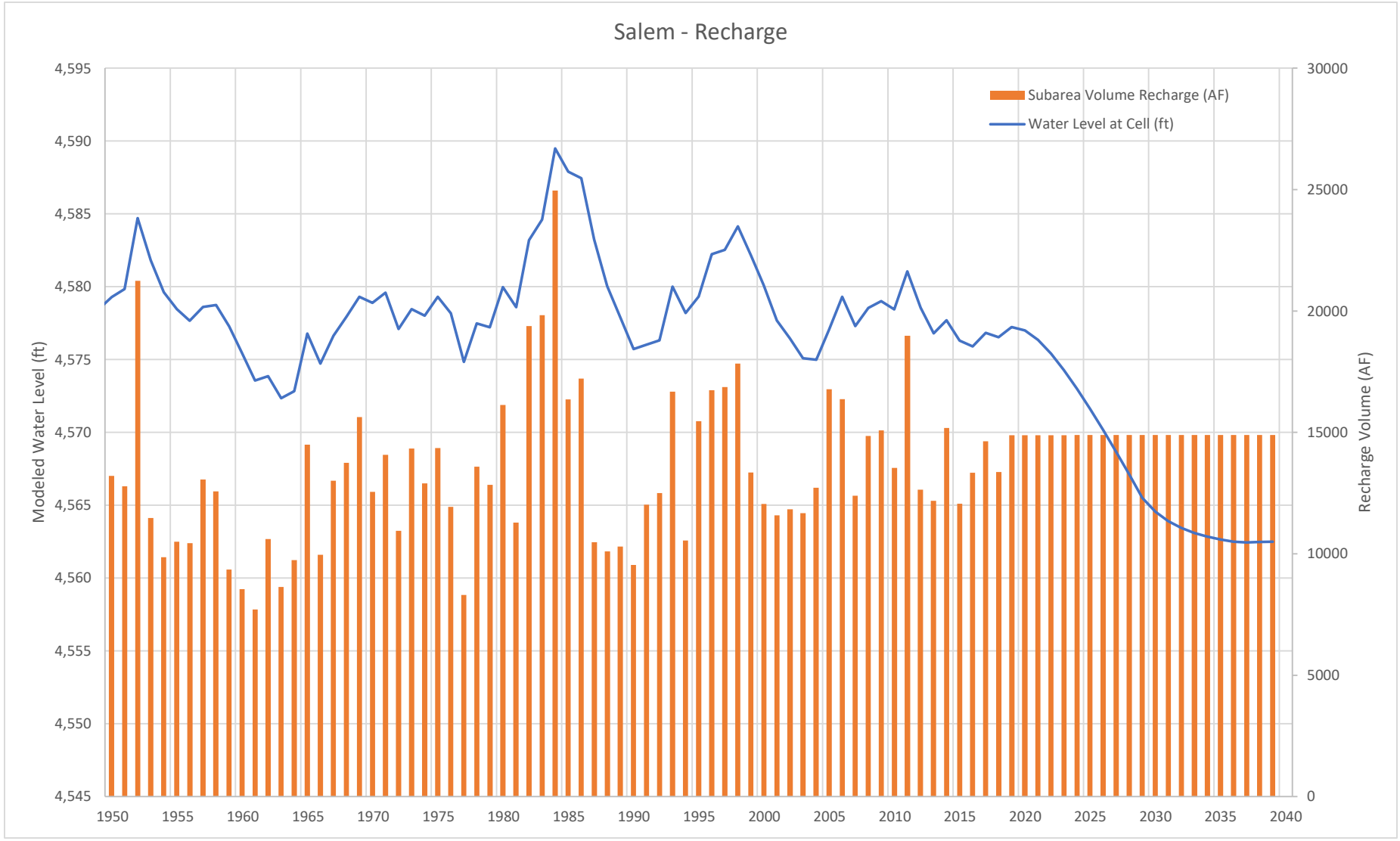

Mapleton - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,630
4,620
4,610
4,600
4,590
4,580
4,570
4,560
4,550
0
-2,000
-4,000
-6,000
-8,000
-10,000
-12,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

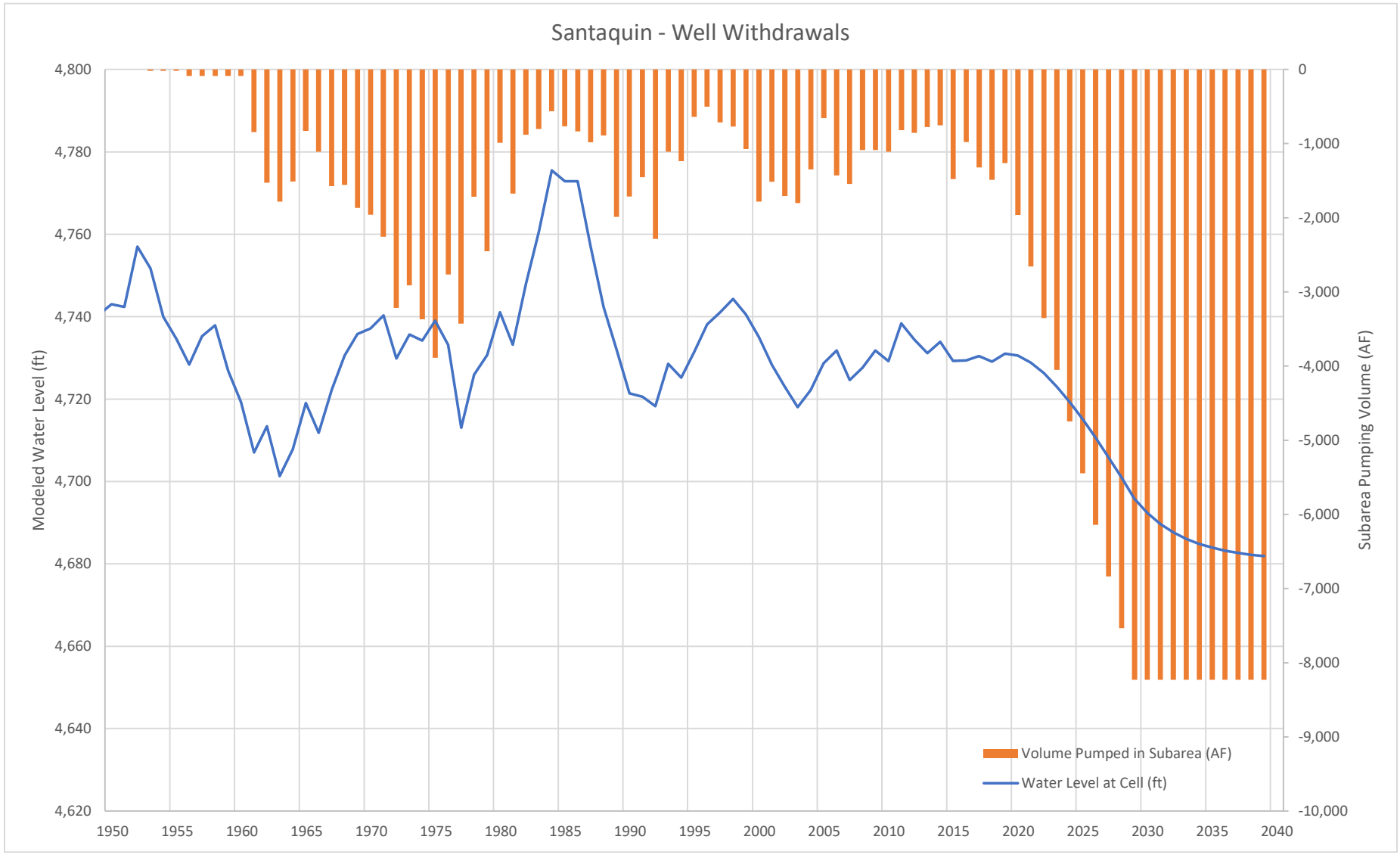

Mapleton - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,630
4,620
4,610
4,600
4,590
4,580
4,570
4,560
4,550
16000
14000
12000
10000
8000
6000
4000
2000
0
1950
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2040

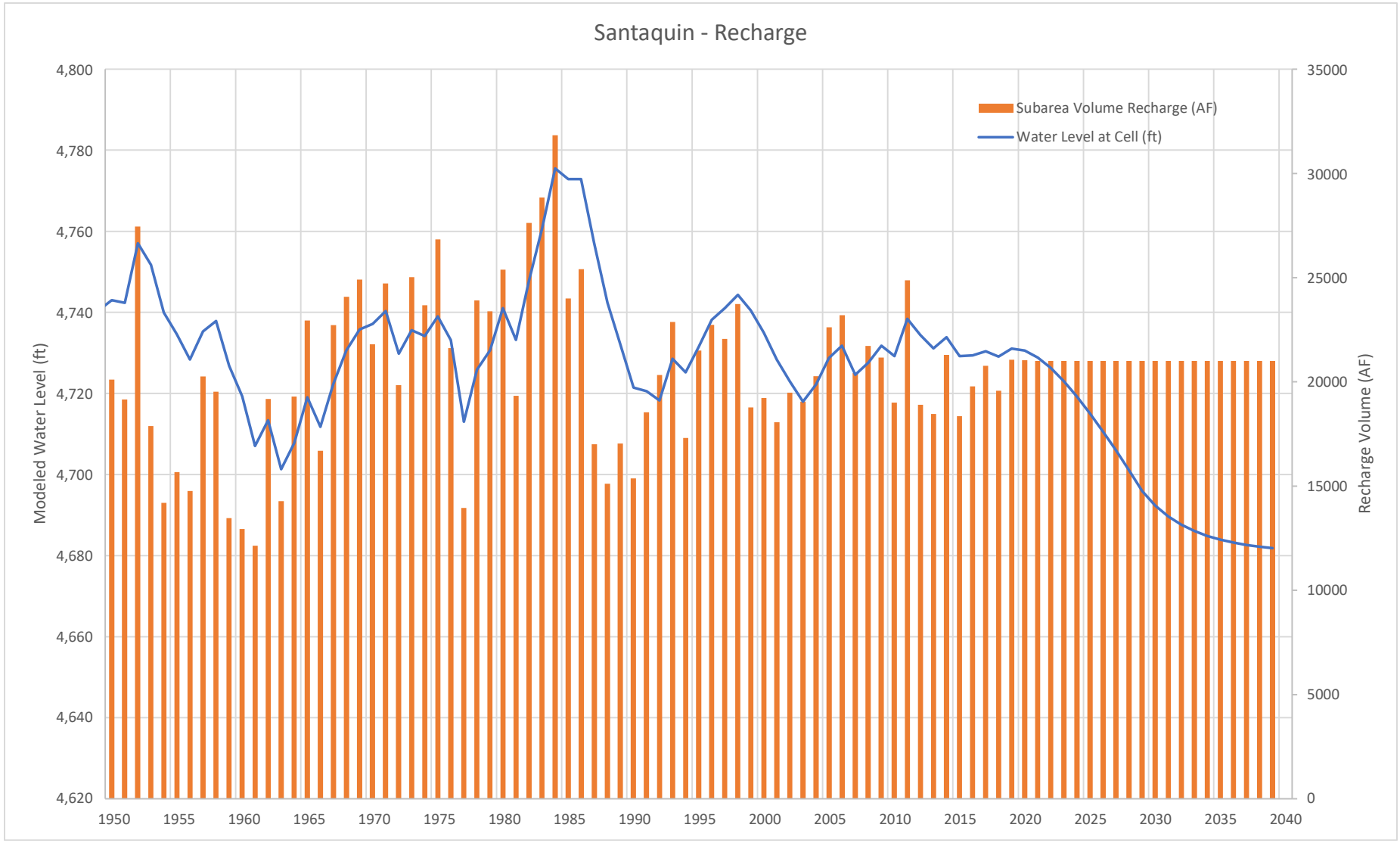

Payson - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,630
4,620
4,610
4,600
4,590
4,580
4,570
4,560
4,550
0
-1,000
-2,000
-3,000
-4,000
-5,000
-6,000
-7,000
-8,000
-9,000
-10,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
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2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

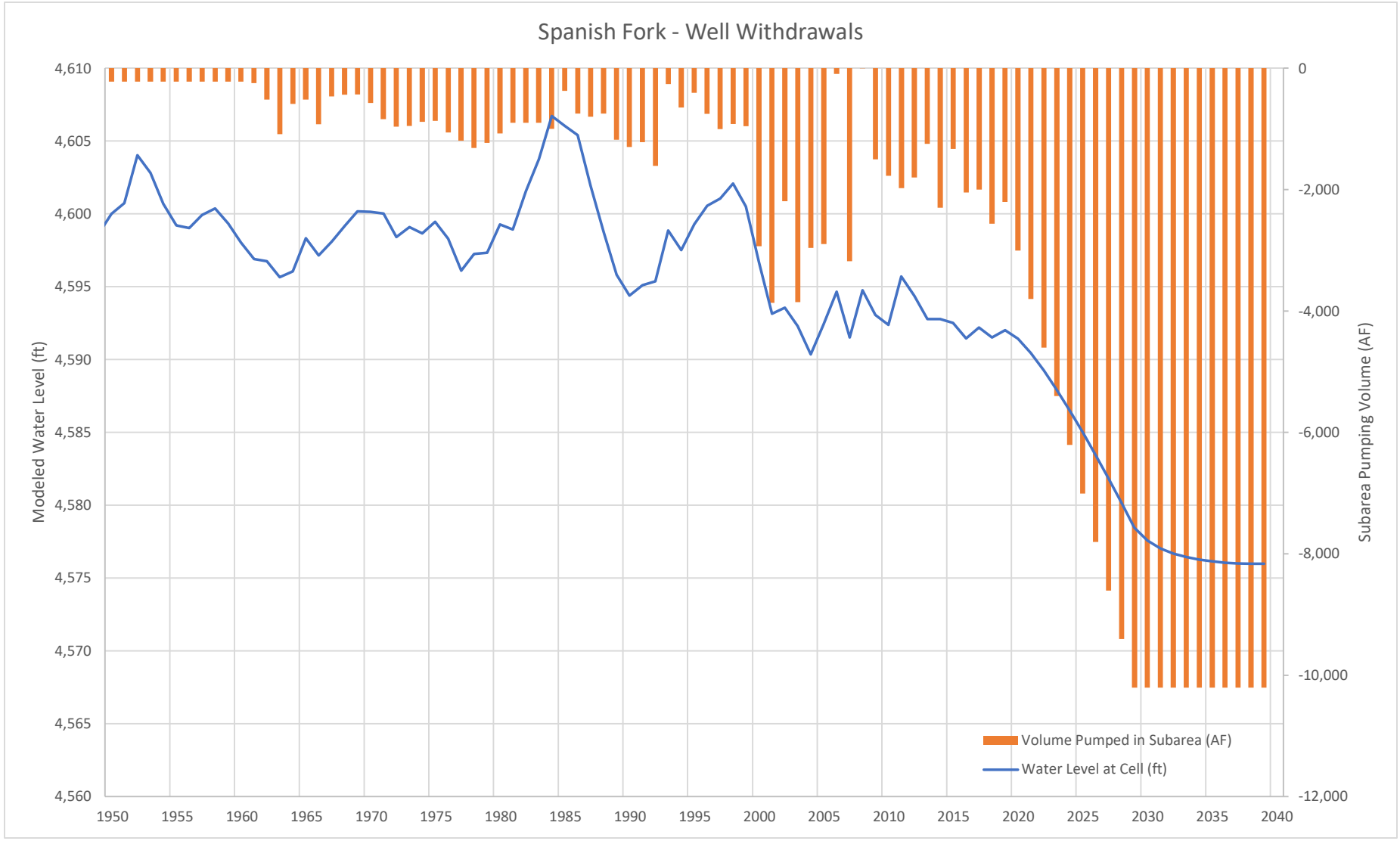

Payson - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,630
4,620
4,610
4,600
4,590
4,580
4,570
4,560
4,550
30000
25000
20000
15000
10000
5000
0
1950
1955
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2040

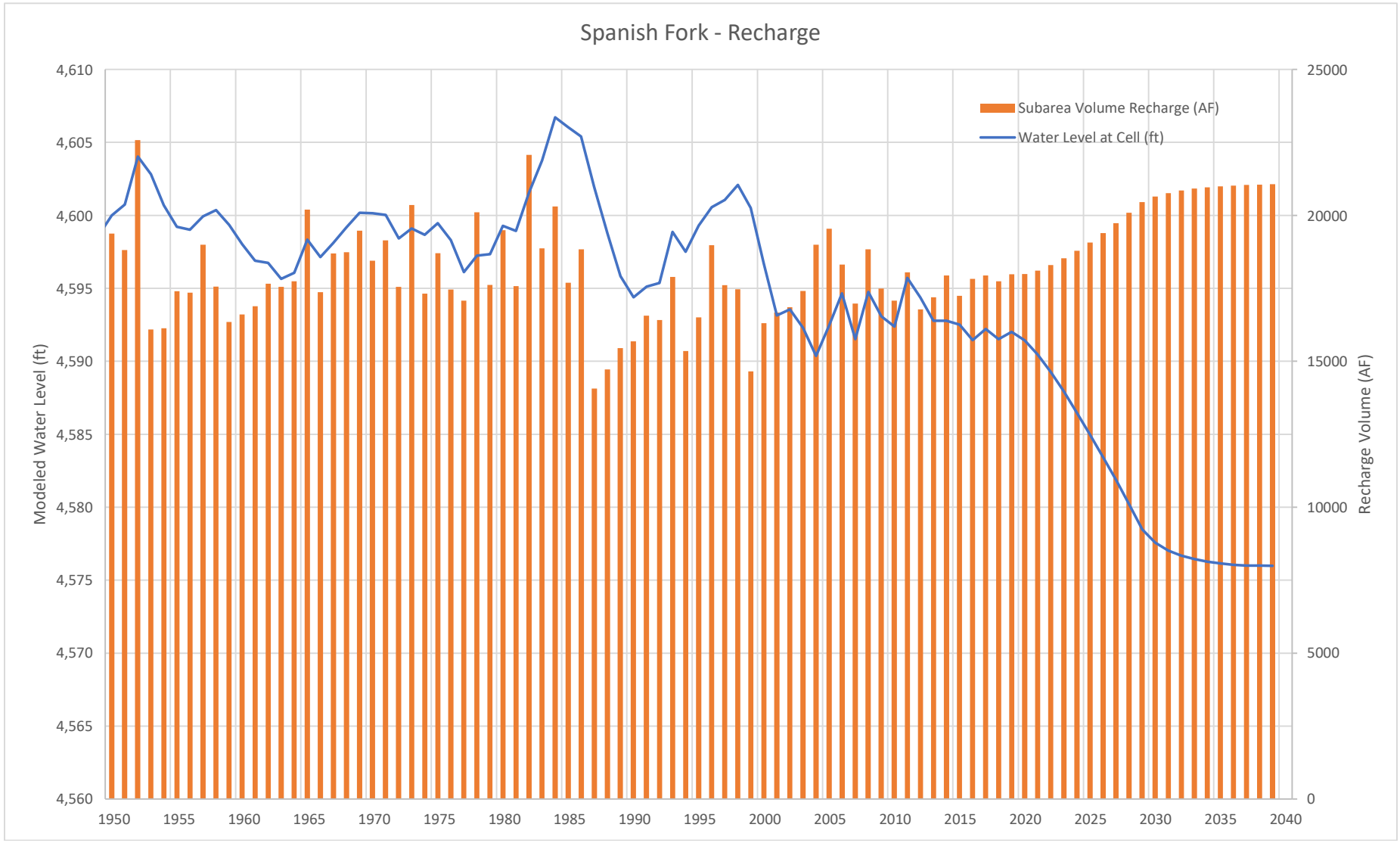

Salem - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,595
4,590
4,585
4,580
4,575
4,570
4,565
4,560
4,555
4,550
4,545
0
-1,000
-2,000
-3,000
-4,000
-5,000
-6,000
-7,000
-8,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
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2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

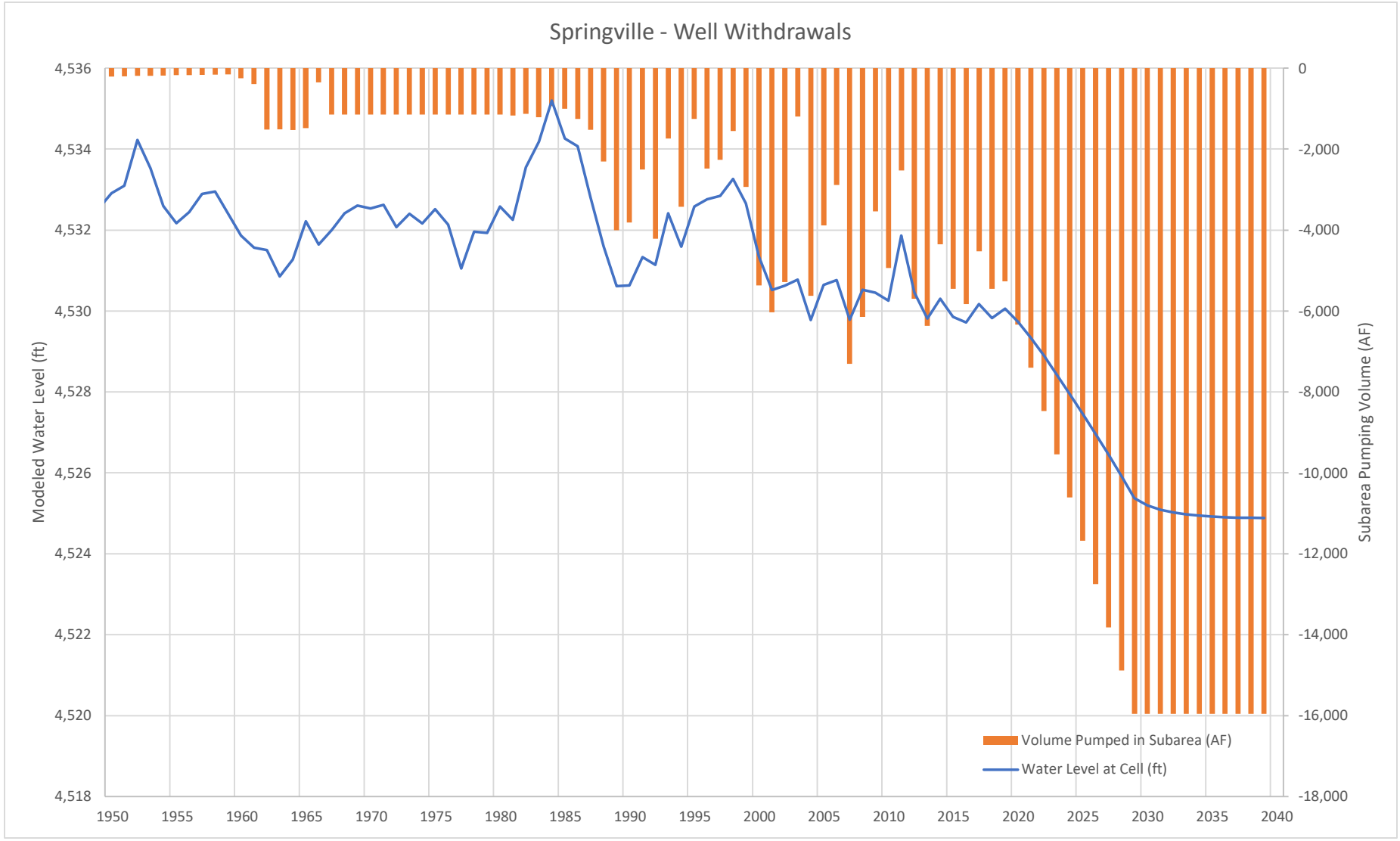

Salem - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,595
4,590
4,585
4,580
4,575
4,570
4,565
4,560
4,555
4,550
4,545
30000
25000
20000
15000
10000
5000
0
1950
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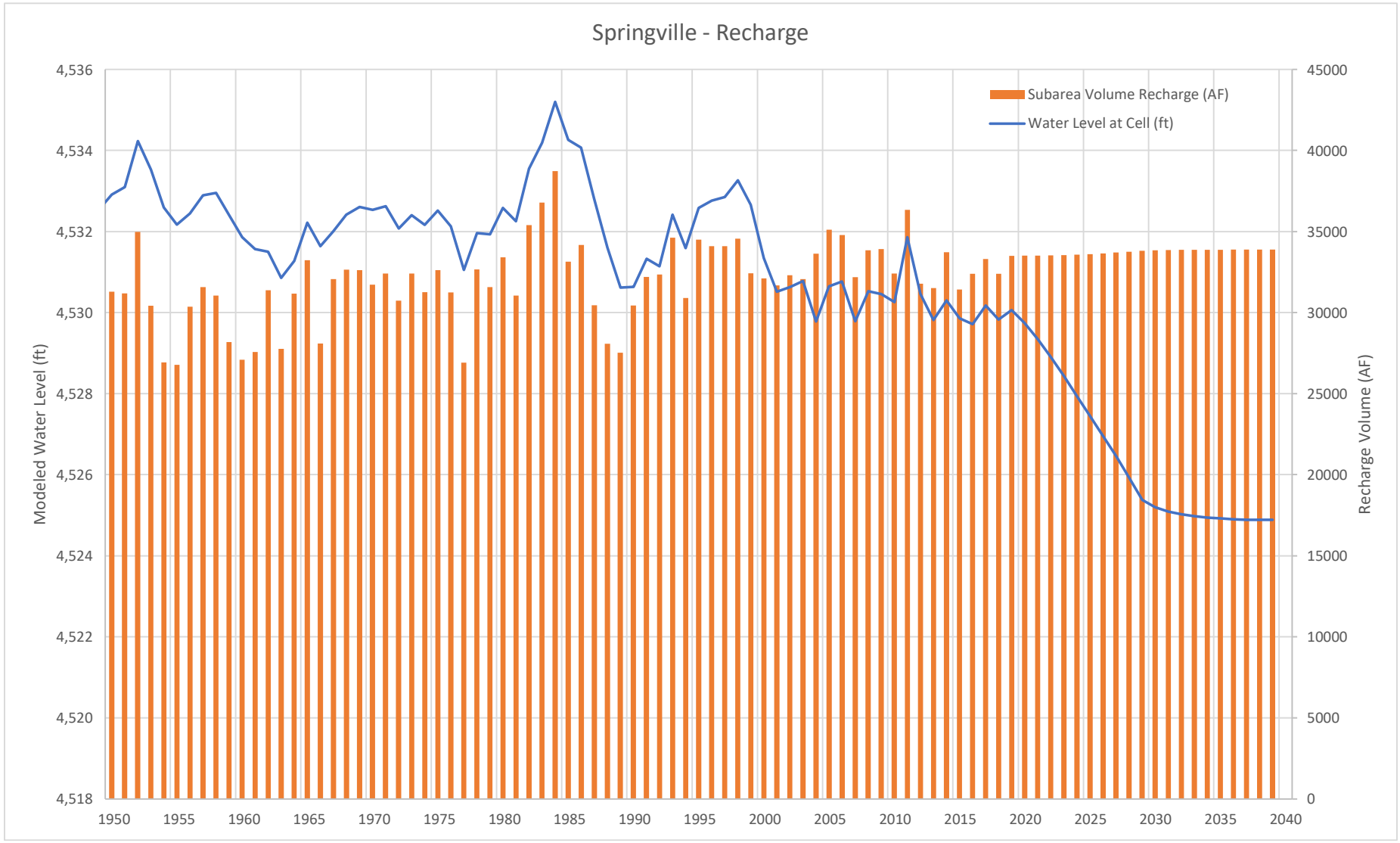

Santaquin - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,800
4,780
4,760
4,740
4,720
4,700
4,680
4,660
4,640
4,620
0
-1,000
-2,000
-3,000
-4,000
-5,000
-6,000
-7,000
-8,000
-9,000
-10,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

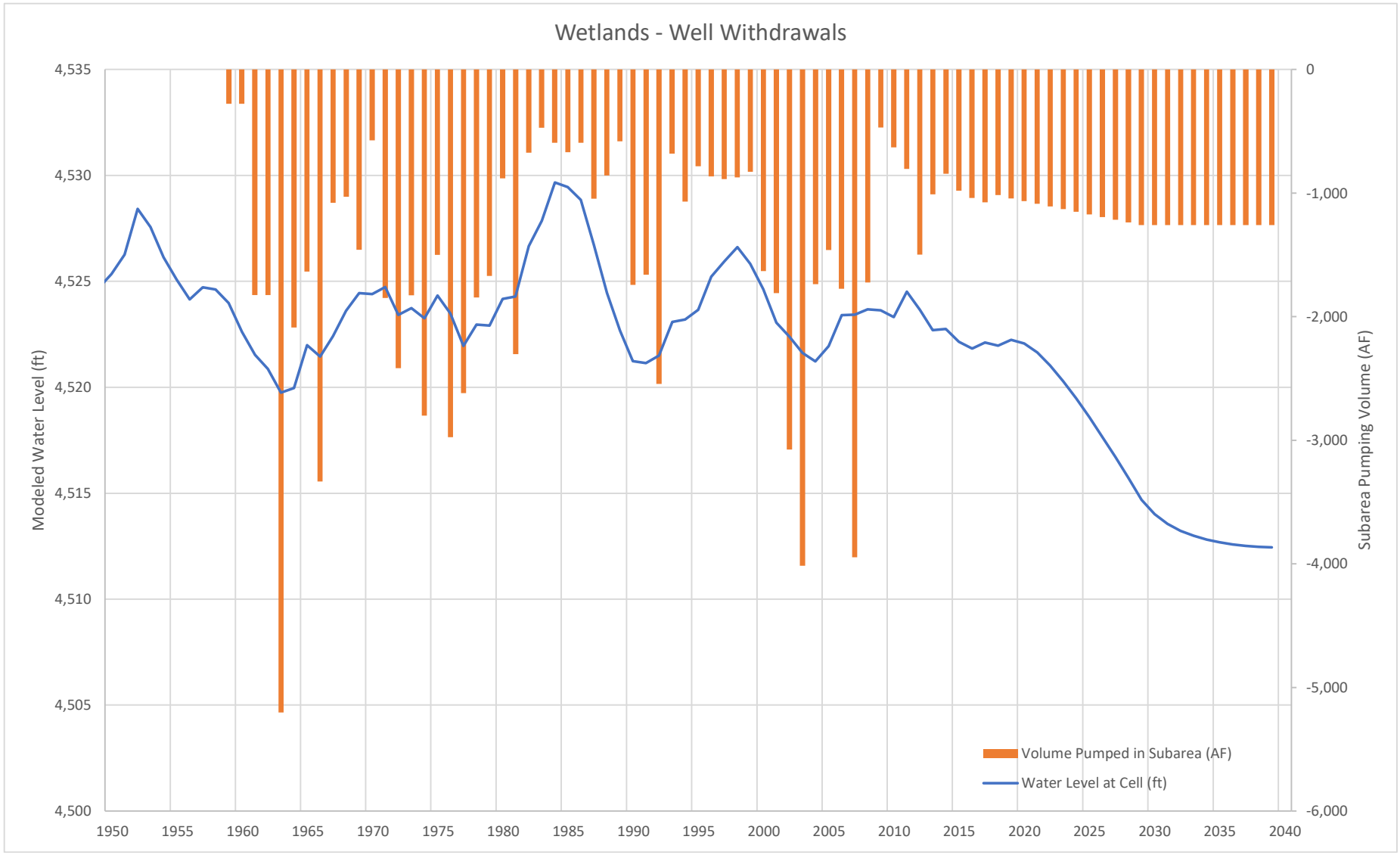

Santaquin - Recharge
Modeled Water Level (ft)
Recharge Volume (AF)
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
4,800
4,780
4,760
4,740
4,720
4,700
4,680
4,660
4,640
4,620
35000
30000
25000
20000
15000
10000
5000
0
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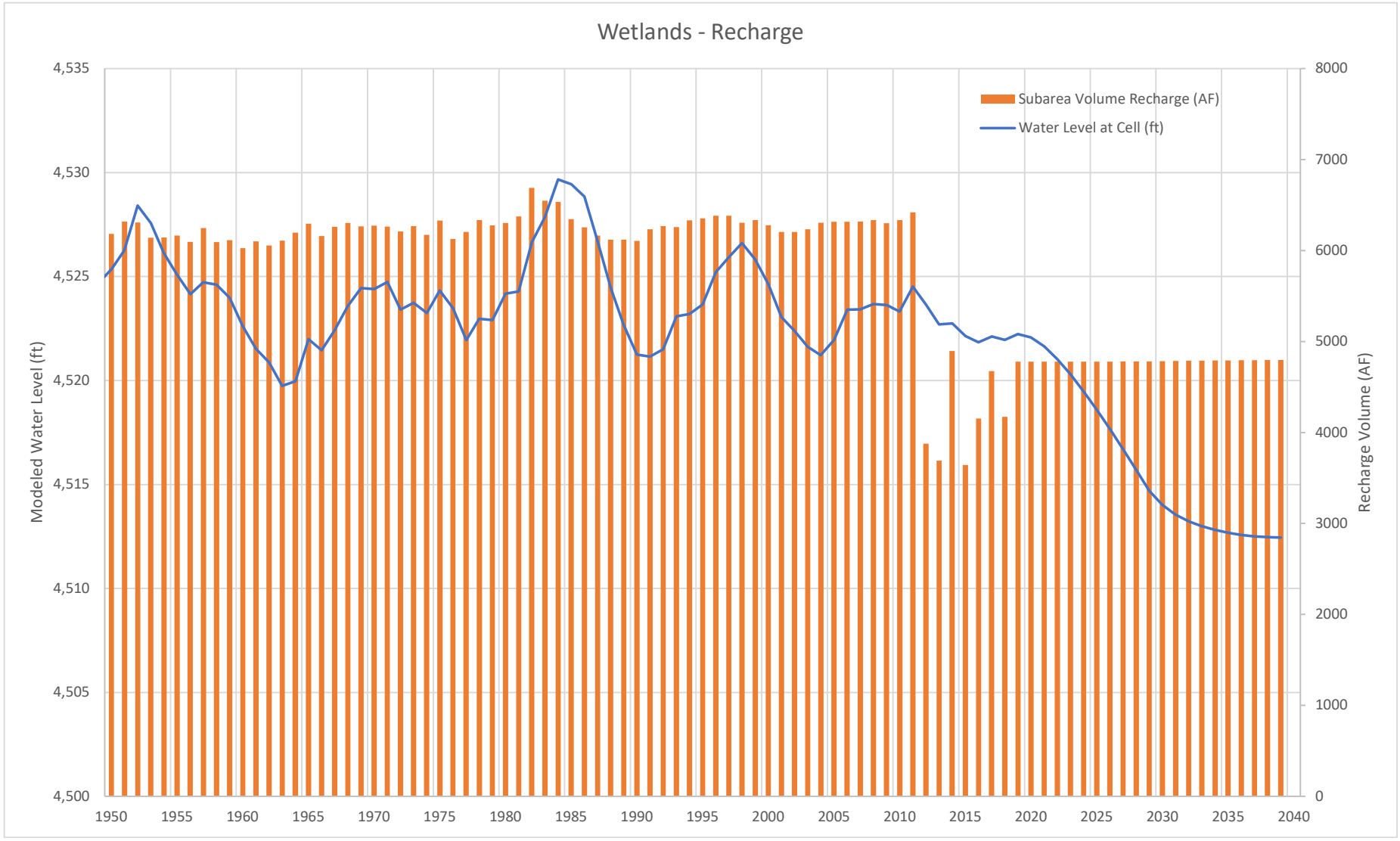

Spanish Fork - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,610
4,605
4,600
4,595
4,590
4,585
4,580
4,575
4,570
4,565
4,560
0
-2,000
-4,000
-6,000
-8,000
-10,000
-12,000
1950
1955
1960
1965
1970
1975
1980
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2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

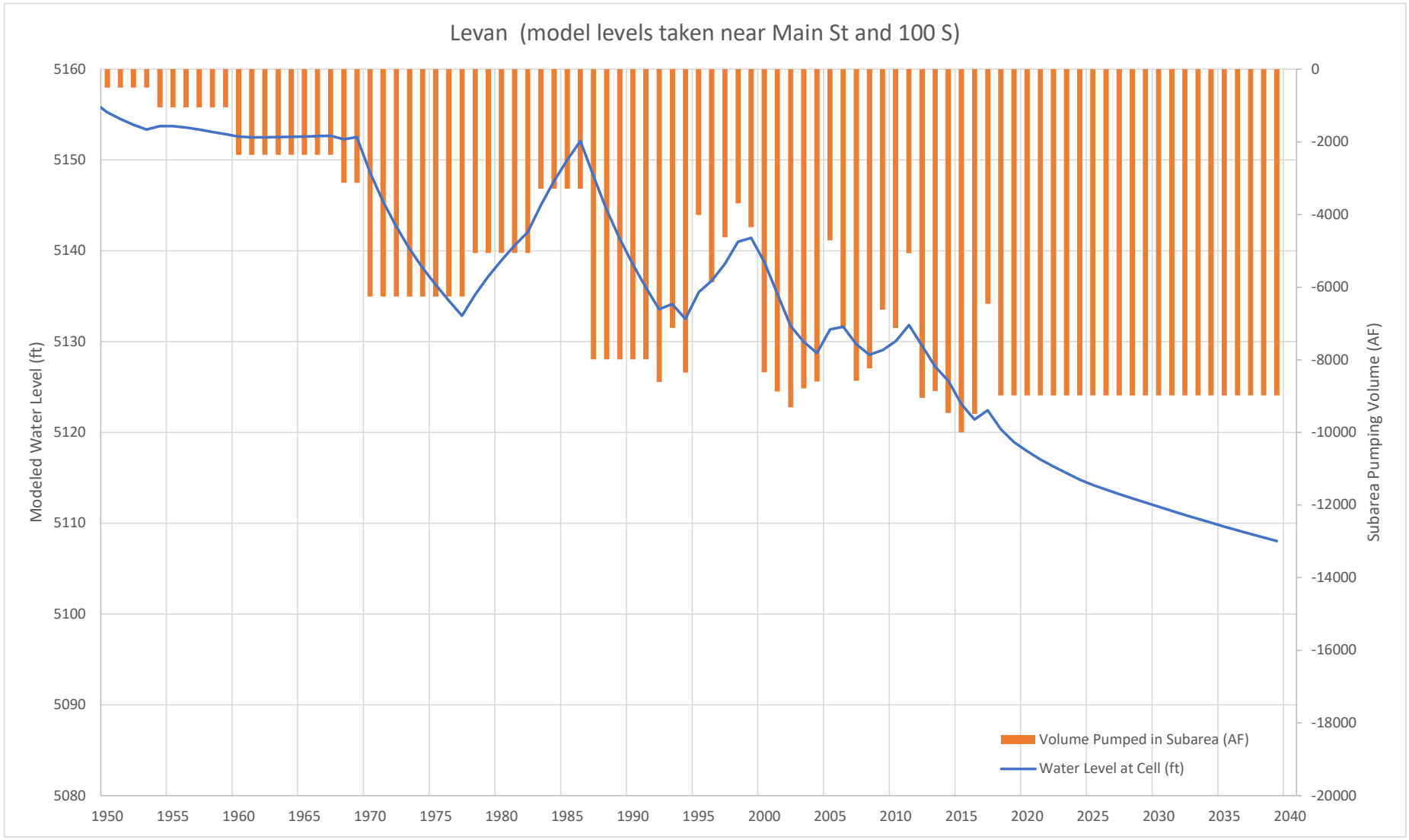

Spanish Fork - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,610
4,605
4,600
4,595
4,590
4,585
4,580
4,575
4,570
4,565
4,560
25000
20000
15000
10000
5000
0
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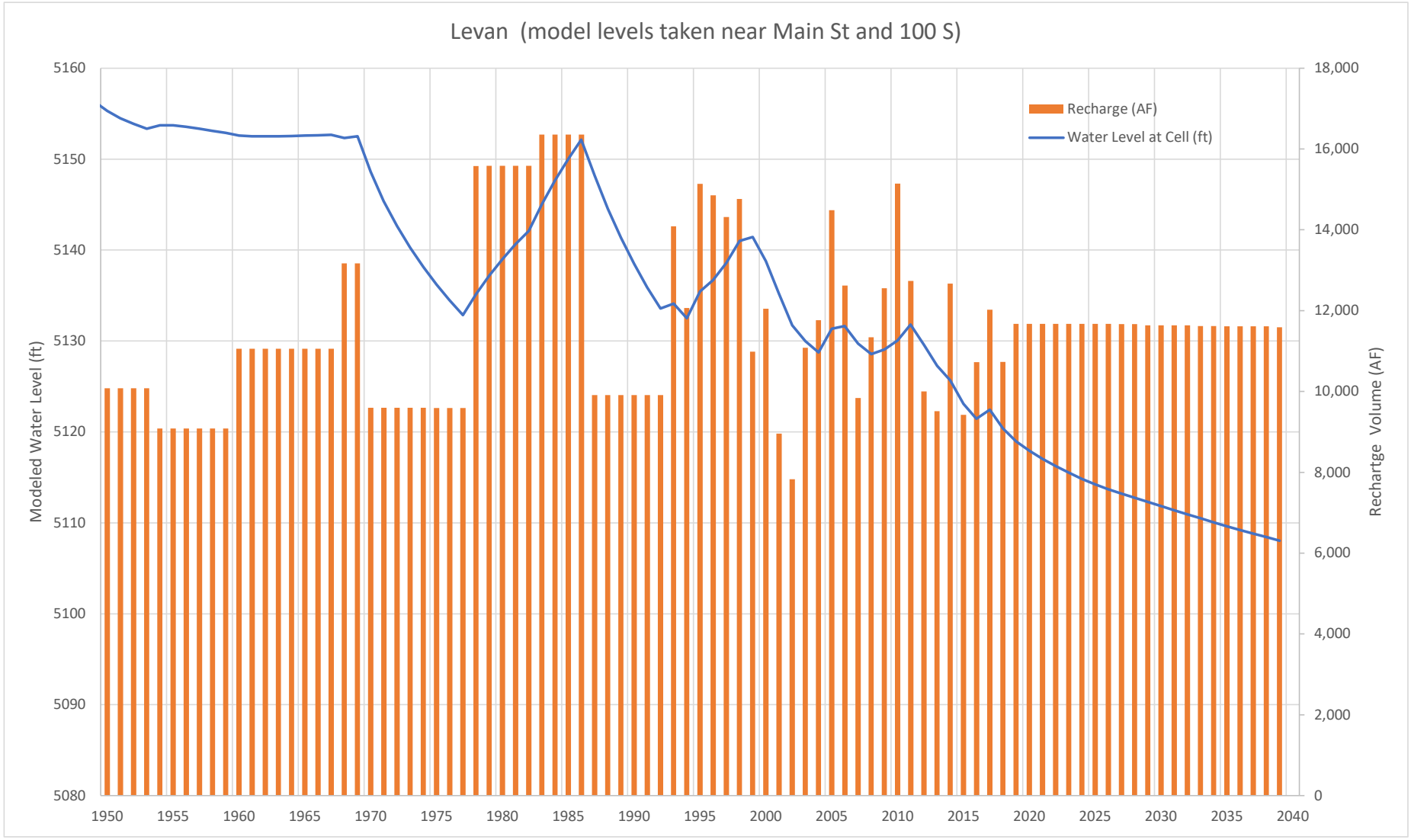

Springville - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,536
4,534
4,532
4,530
4,528
4,526
4,524
4,522
4,520
4,518
0
-2,000
-4,000
-6,000
-8,000
-10,000
-12,000
-14,000
-16,000
-18,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

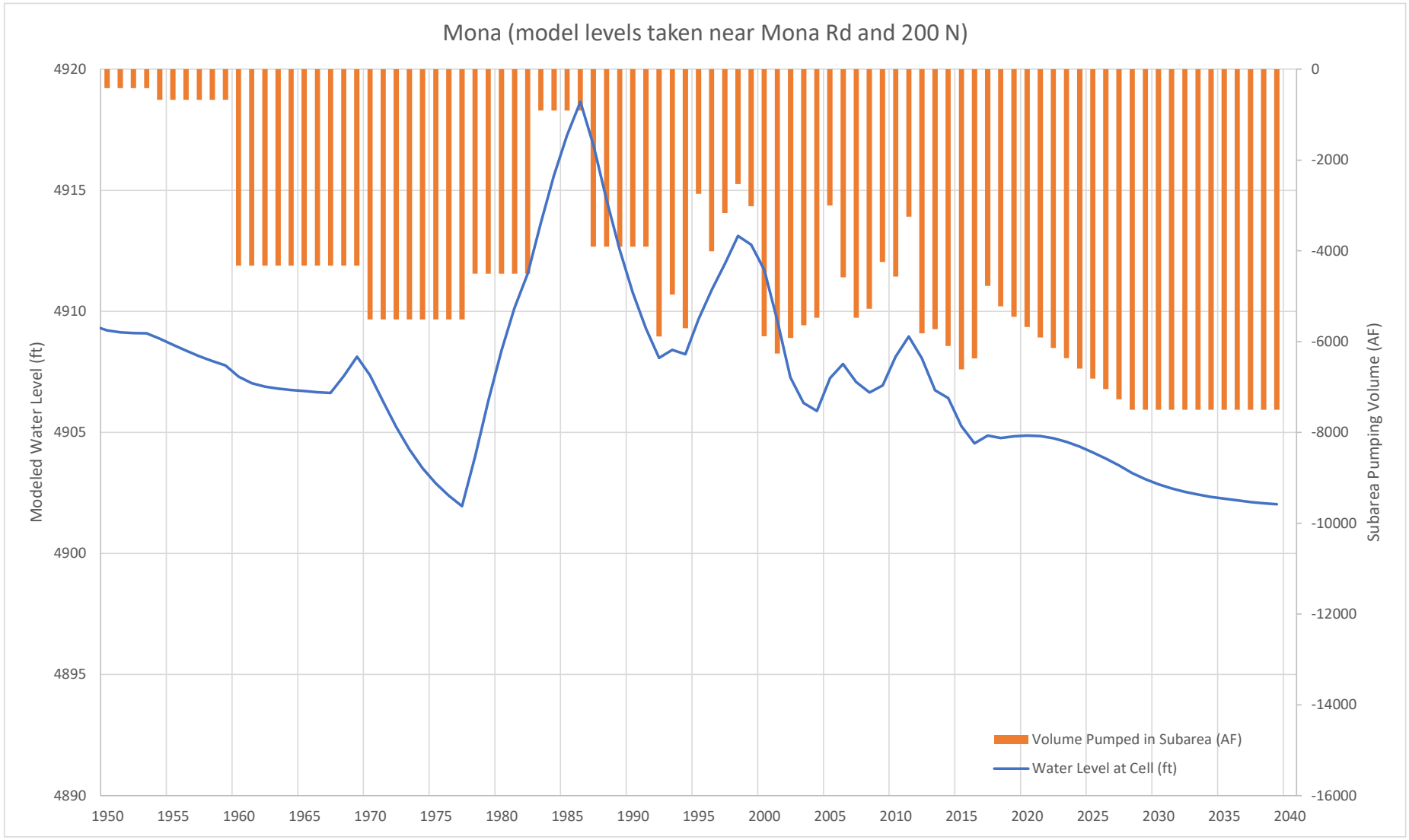

Springville - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,536
4,534
4,532
4,530
4,528
4,526
4,524
4,522
4,520
4,518
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
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2040

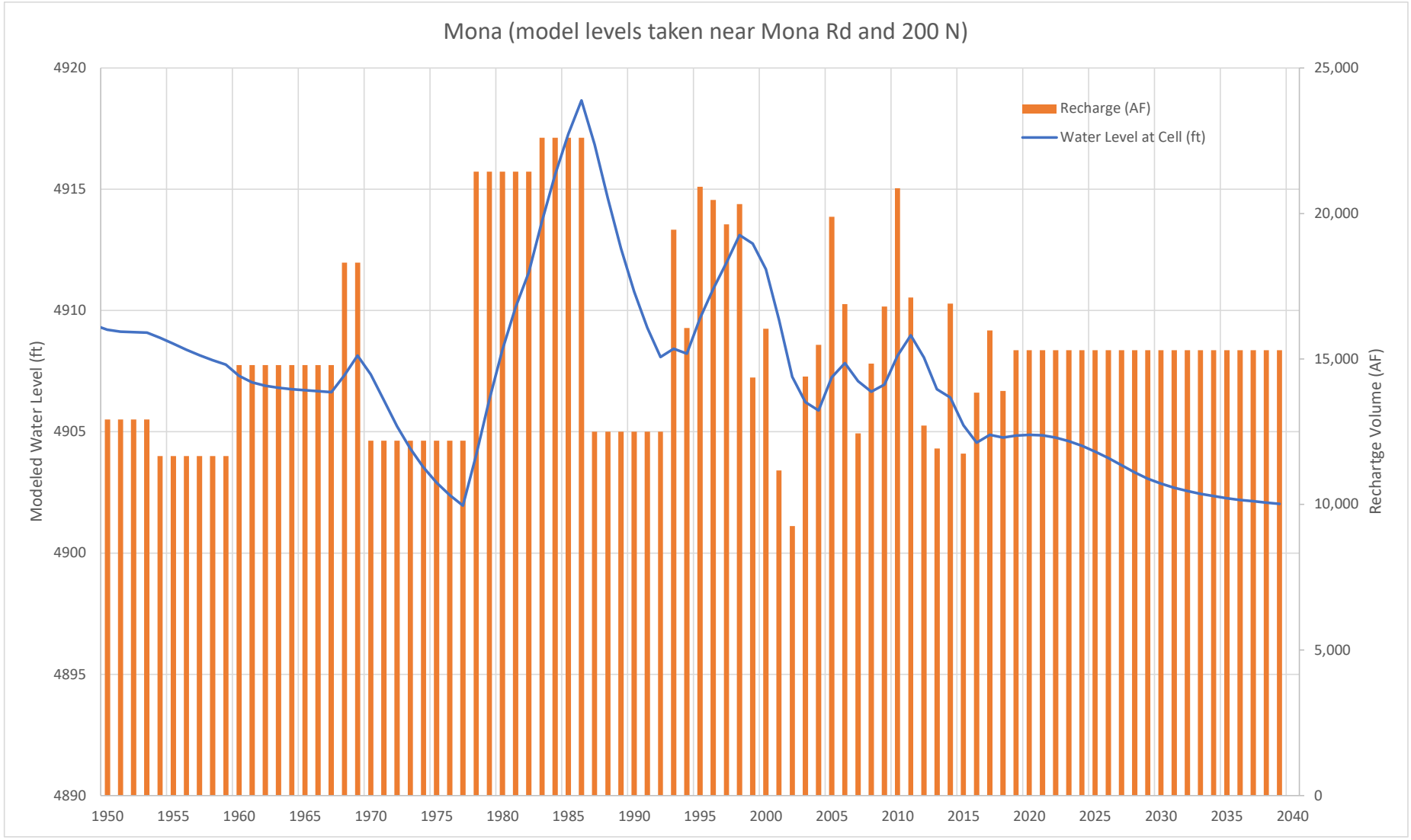

Wetlands - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,535
4,530
4,525
4,520
4,515
4,510
4,505
4,500
0
-1,000
-2,000
-3,000
-4,000
-5,000
-6,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

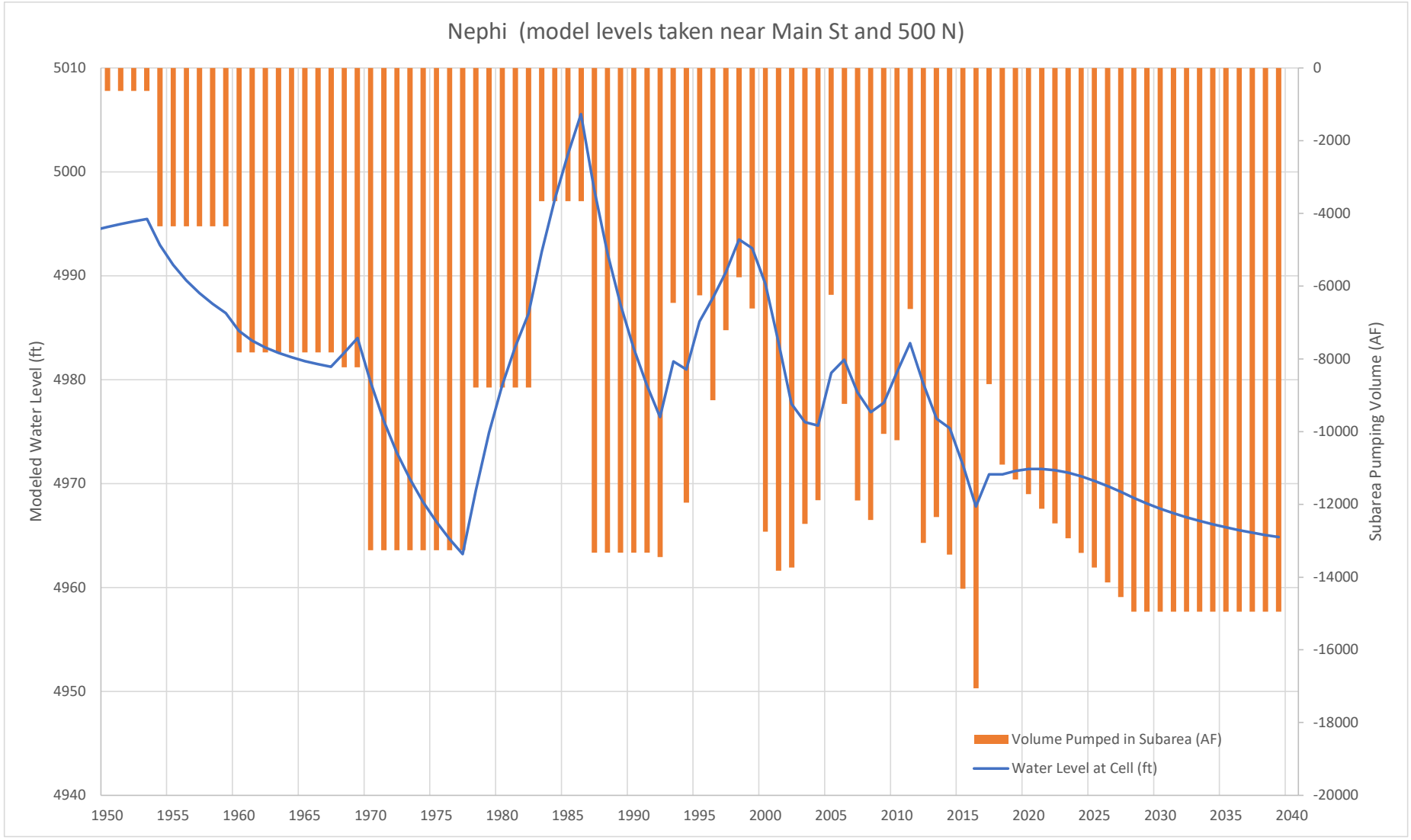

Wetlands - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,535
4,530
4,525
4,520
4,515
4,510
4,505
4,500
8000
7000
6000
5000
4000
3000
2000
1000
0
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1955
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1970
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2025
2030
2035
2040

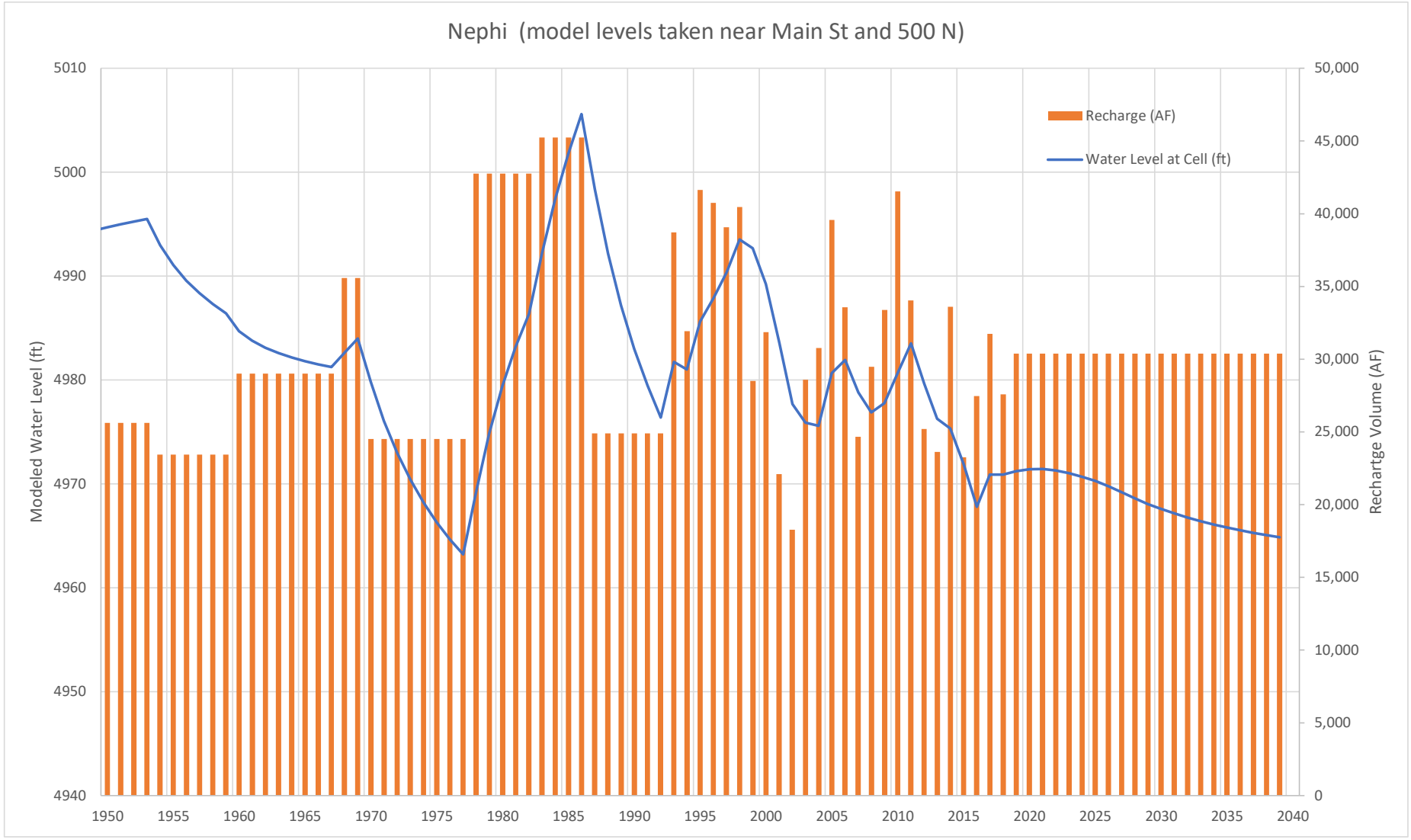

Levan (model levels taken near Main St and 100 S)
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
5160
5150
5140
5130
5120
5110
5100
5090
5080
0
-2000
-4000
-6000
-8000
-10000
-12000
-14000
-16000
-18000
-20000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

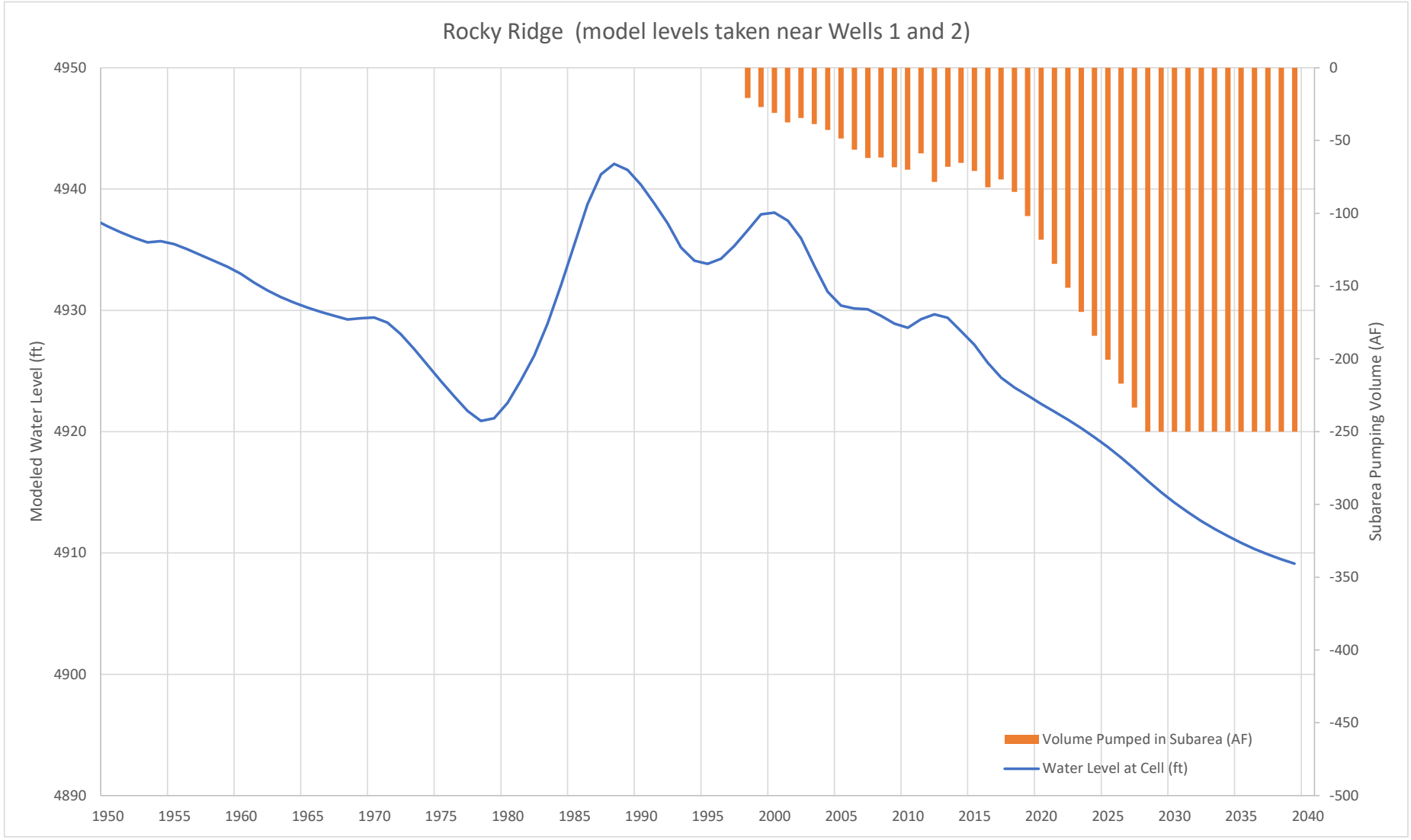

Levan (model levels taken near Main St and 100 S)
Modeled Water Level (ft)
Rechartge Volume (AF)
Recharge (AF)
Water Level at Cell (ft)
5160
5150
5140
5130
5120
5110
5100
5090
5080
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
1950
1955
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1970
1975
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2015
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2025
2030
2035
2040

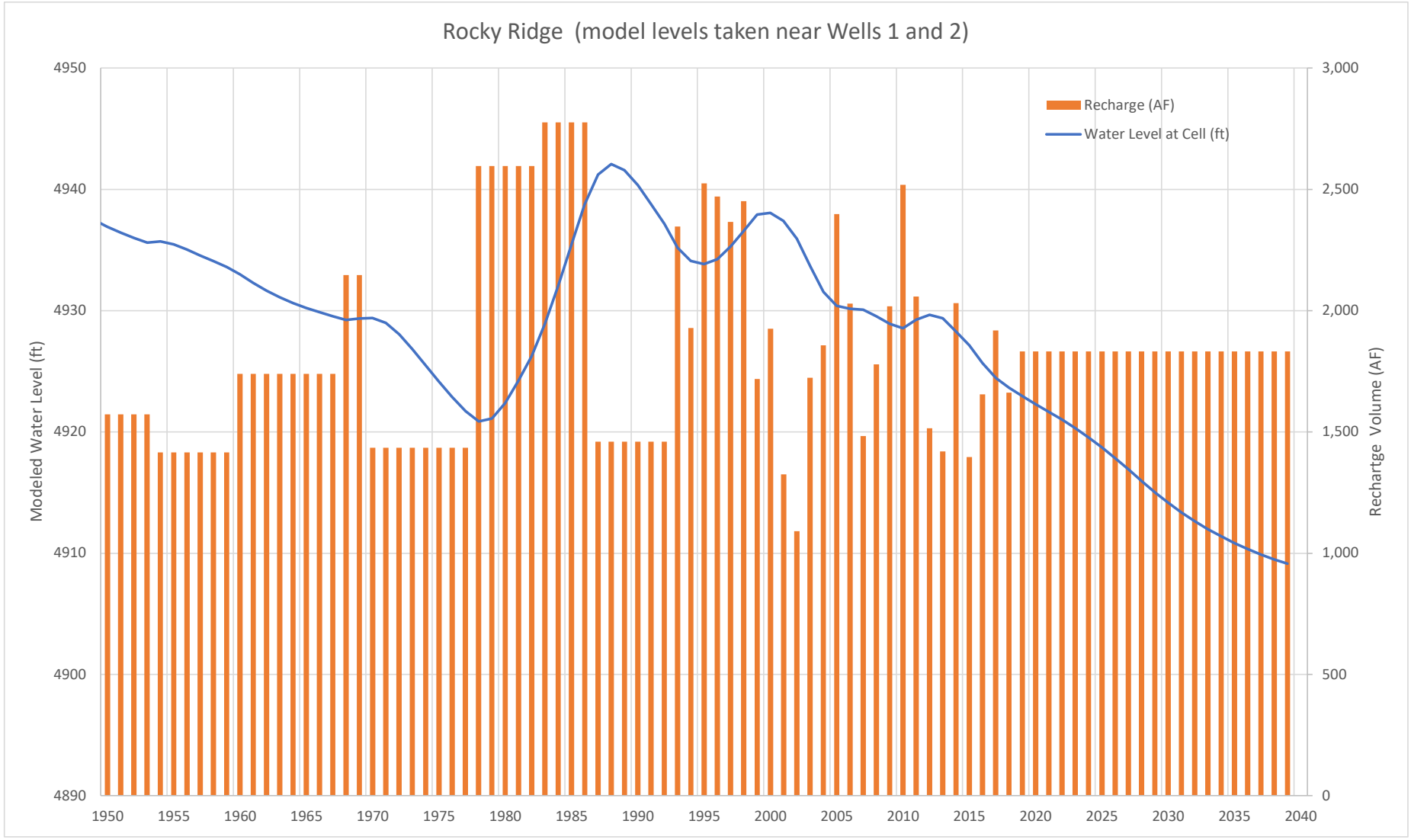

Mona (model levels taken near Mona Rd and 200 N)
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4920
4915
4910
4905
4900
4895
4890
0
-2000
-4000
-6000
-8000
-10000
-12000
-14000
-16000
1950
1955
1960
1965
1970
1975
1980
1985
1990
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2005
2010
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2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)

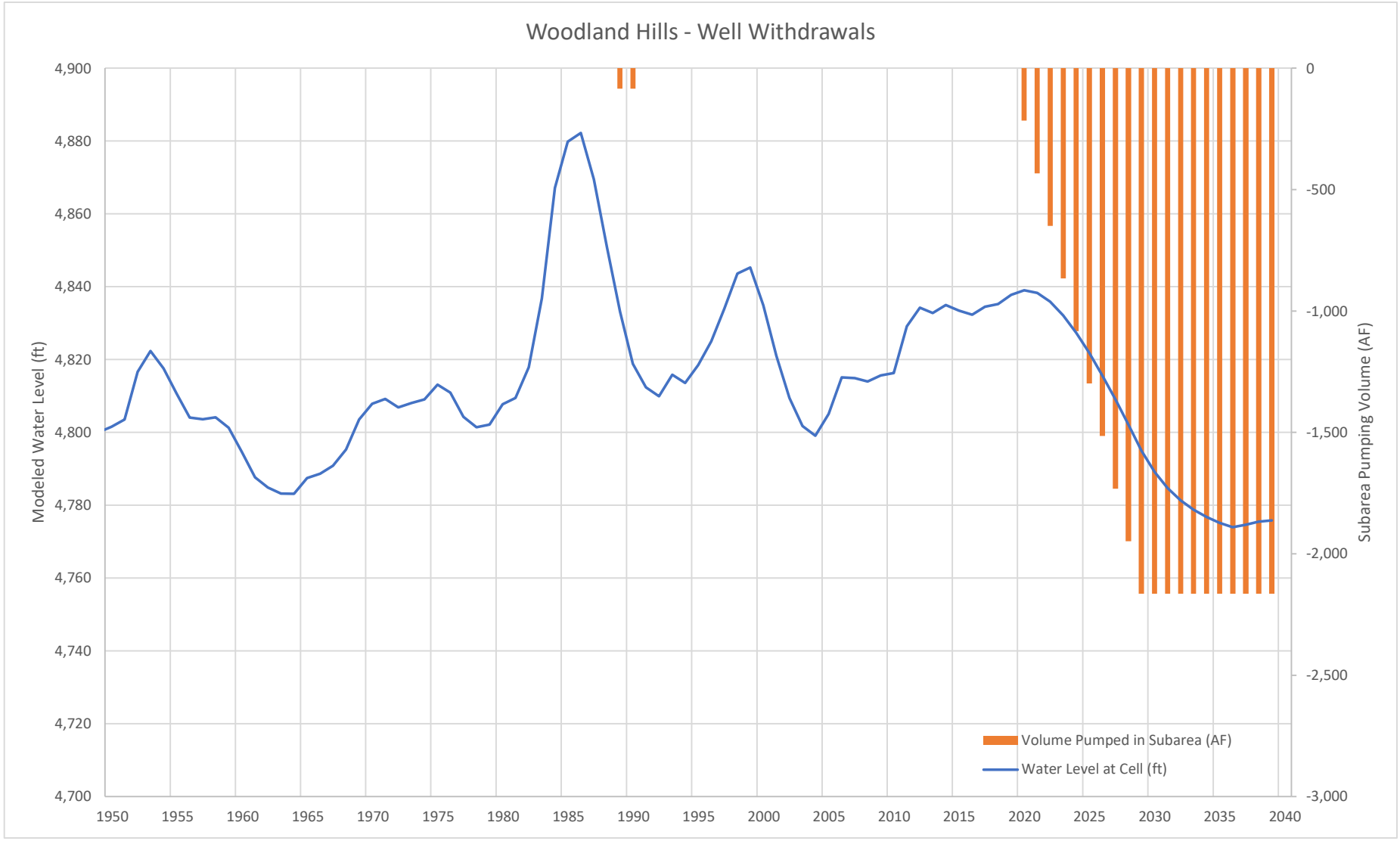

Mona (model levels taken near Mona Rd and 200 N)
Modeled Water Level (ft)
Rechartge Volume (AF)
Recharge (AF)
Water Level at Cell (ft)
4920
4915
4910
4905
4900
4895
4890
25,000
20,000
15,000
10,000
5,000
0
1950
1955
1960
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1970
1975
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2015
2020
2025
2030
2035
2040

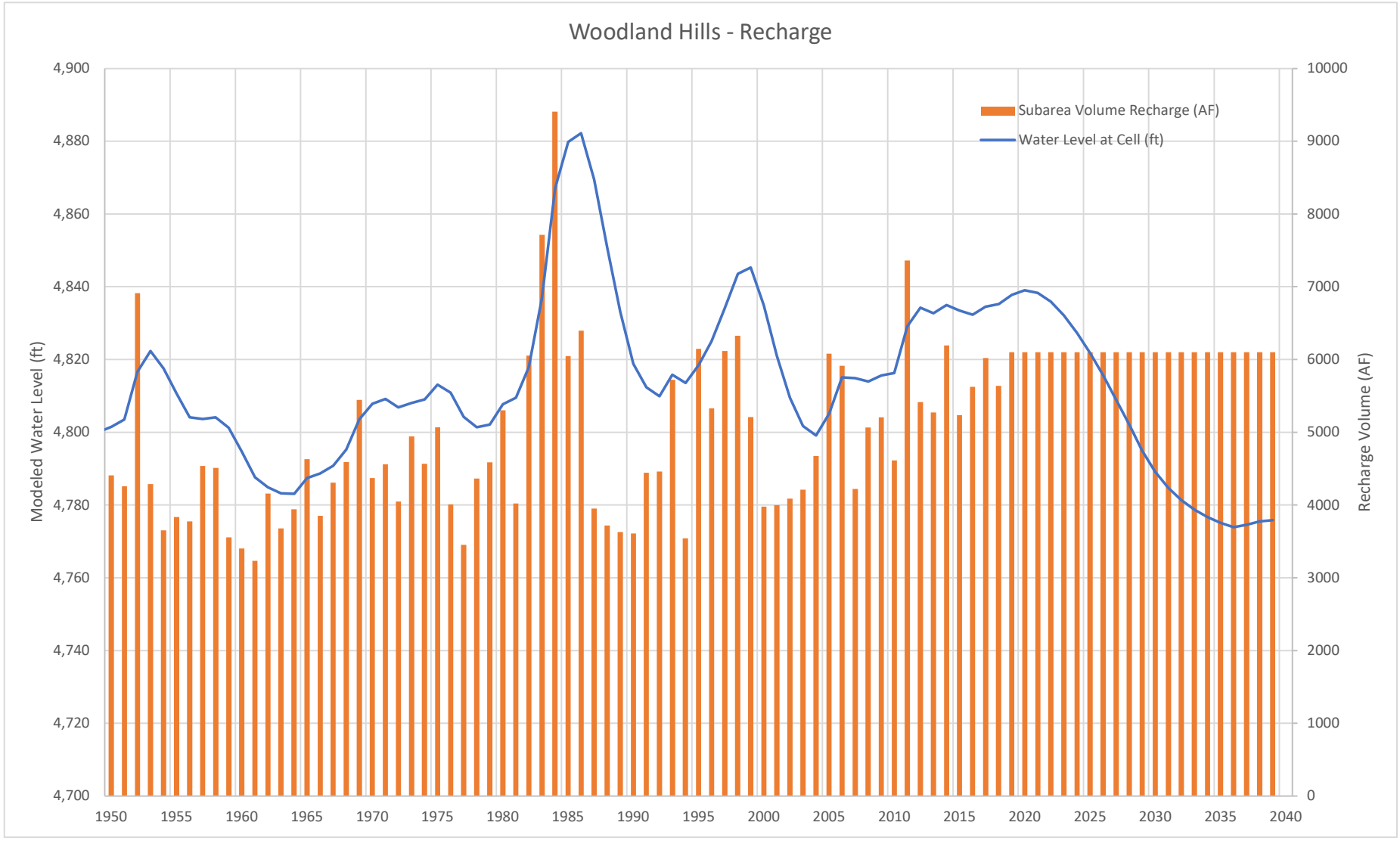

Nephi (model levels taken near Main St and 500 N)
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
5010
5000
4990
4980
4970
4960
4950
4940
0
-2000
-4000
-6000
-8000
-10000
-12000
-14000
-16000
-18000
-20000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)


Nephi (model levels taken near Main St and 500 N)
Modeled Water Level (ft)
Rechartge Volume (AF)
Recharge (AF)
Water Level at Cell (ft)
5010
5000
4990
4980
4970
4960
4950
4940
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040


Rocky Ridge (model levels taken near Wells 1 and 2)
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4950
4940
4930
4920
4910
4900
4890
0
-50
-100
-150
-200
-250
-300
-350
-400
-450
-500
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)


Rocky Ridge (model levels taken near Wells 1 and 2)
Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Rechartge Volume (AF)
4950
4940
4930
4920
4910
4900
4890
3,000
2,500
2,000
1,500
1,000
500
0
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040


Woodland Hills - Well Withdrawals
Modeled Water Level (ft)
Subarea Pumping Volume (AF)
4,900
4,880
4,860
4,840
4,820
4,800
4,780
4,760
4,740
4,720
4,700
0
-500
-1,000
-1,500
-2,000
-2,500
-3,000
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Volume Pumped in Subarea (AF)
Water Level at Cell (ft)


Woodland Hills - Recharge
Subarea Volume Recharge (AF)
Water Level at Cell (ft)
Modeled Water Level (ft)
Recharge Volume (AF)
4,900
4,880
4,860
4,840
4,820
4,800
4,780
4,760
4,740
4,720
4,700
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1950
1955
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2040

Appendix C
Portfolios Alternatives TM

Jacobs

Juab and South Utah Counties Water Supply and Infrastructure Plan Formulation Project

Plan Formulation Phase I Portfolios Alternatives Summary

1 | 0

December 22, 2020

Central Utah Water Conservancy District



Juab and South Utah Counties Water Supply and Infrastructure Plan Formulation Project

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Document Title:	Plan Formulation Phase I Portfolios Alternatives Summary
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Date:	December 22, 2020
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Client No:	
Project Manager:	Bob Harding, PE
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Contents

1. Introduction 1
1.1 Overview 1
1.2 Definition of Terms 1
2. Water Supply and Demands Analysis 3
2.1 Projected Supply and Demand Development Process 3
2.2 Baseline Supply/Demand No-Action Scenario and Shortages 4
2.3 Alternative Supply/Demand No-Action Scenario and Shortages 6
3. Portfolio Overview 8
3.1 Portfolio Development Process and Modeling 8
3.2 Initial Portfolios 1 through 5 11
3.3 Selected Portfolios 6 through 7 18
3.4 Potential Regional Benefits of Balancing and Retiming 29
4. Conclusions and Next Steps 30

List of Figures

Figure 1: South Utah County, Baseline Supply/Demand Scenario Plot 5
Figure 2: Juab County, Baseline Supply/Demand Scenario Plot 5
Figure 3: South Utah County, Alternative Supply/Demand Scenario Plot 6
Figure 4: Juab County, Alternative Supply/Demand Scenario Plot 7
Figure 5: Conceptual Portfolio Evaluation Process 9
Figure 6: Conceptual Representation of Model Structure 10
Figure 7: South Utah County, Portfolio 6 Baseline Potable & Non-Potable Supply/Demand Plot 22
Figure 8: South Utah County, Portfolio 6 Alternative Potable & Non-Potable Supply/Demand Plot 22
Figure 9: South Utah County, Portfolio 6A Baseline Potable & Non-Potable Supply/Demand Plot 24
Figure 10: South Utah County, Portfolio 6A Alternative Potable & Non-Potable Supply/Demand Plot 24
Figure 11: South Utah County, Portfolio 7 Baseline Potable & Non-Potable Supply/Demand Plot 26
Figure 12: South Utah County, Portfolio 7 Alternative Potable & Non-Potable Supply/Demand Plot 26
Figure 13: South Utah County, Portfolio 7A Baseline Potable & Non-Potable Supply/Demand Plot 28
Figure 14: South Utah County, Portfolio 7A Alternative Potable & Non-Potable Supply/Demand Plot 28
Figure 15: South Utah County Available versus Used ULS and SVP Water (Portfolio 6, Baseline) 29

List of Tables

Table 1: Baseline and Alternative Scenario Supply Sources 3
Table 2: Potential Solutions Considered in Portfolio Development Process 8
Table 3: Initial Portfolios 1-5 Summary 12
Table 4: Selected Portfolios 6, 6A, 7, and 7A Summary 20

1. Introduction

1.1 Overview

As part of the Plan Formulation Project ('Project') Phase I, this Technical Memorandum (TM) is intended to summarize the development process and key attributes of possible future Portfolios of solutions that could potentially address future projected water supply and demand shortages in South Utah and Juab Counties. The Portfolio development process built upon previous Project efforts in the following general steps:

- Identify future water demands between now and 2065 (Tasks 5 and 6)
- Quantify water supply from existing and projected future sources (Tasks 5 and 6)
- Quantify remaining groundwater safe yield in the study area (Remaining Safe Yield Report)
- Estimate the amount of future shortages in different scenarios (this TM)
- Formulate potential solutions and develop portfolios of solutions to provide a reliable water supply for the region out to year 2065, and evaluate Portfolios using a system model (presented in this TM)

Detailed reports describing the work completed in Tasks 5 and 6 and the Remaining Safe Yield Report are available separately from this TM.

This TM provides a brief overview of water supply and demand projections developed in Tasks 5 and 6 and discusses how that data was used to develop future water supply and demand scenarios that formed the basis of the Portfolio evaluation process. Then, key attributes of initial Portfolios 1 through 5 and selected Portfolios 6 through 7 are presented. This TM is not intended to provide an exhaustive summary of all supply/demand and infrastructure outputs for each Portfolio, but rather gives the reader an overview of the key aspects of each Portfolio including a brief summary of assumed infrastructure and operational components and future estimated remaining shortages.

Note that planning-level costs for evaluated Portfolios are not included at this time.

1.2 Definition of Terms

This Project uses many terms that are regularly used in the scenario planning process that guided the Portfolio evaluation process. However, terminology can be used somewhat differently throughout the industry. The following are the definitions of terms used throughout this Project.

"Drivers" means external physical, social, or legal conditions that can directly impact water supply availability and/or water demand needs.

"Demand Conditions" means the estimated amount of water demands considering a defined set of "demand drivers." Note that two future demand conditions (Baseline and Alternative) are evaluated in this Project. These conditions are further described in Section 2.

"Supply Conditions" means the estimated amount of water supplies available considering a defined set of "supply drivers." Note that two future supply conditions (Baseline and Alternative) are evaluated in this Project. These conditions are further described in Section 2.

"Scenario" means a combination of supply and demand conditions.

"Baseline Scenario" means the combination of baseline demand conditions and baseline supply conditions.

"Alternative Scenario" means the combination of alternative demand conditions and alternative supply conditions.

"Shortages" means the amount of water demands that are in excess of available supplies within the monthly pattern of demands and supplies.

"Solutions" means infrastructure options, operational actions, water acquisition options, conservation options, or other options that could reduce or eliminate the shortages.

"Portfolios" means a collection of solutions that could be used to address shortages.

"Actions" means defined steps that can be completed to implement the ultimately recommended portfolios. Potential actions to implement Portfolios are not evaluated in this TM and will be considered in future parts of this Project.

"Potable Water" means water that is safe to drink or use for food preparation. Potable water can also be used for outdoor or non-potable uses.

"Non-potable water" means water that does not meet the applicable standards for drinking water and can only be used for outdoor or other demands that do not require drinking water treatment.

2. Water Supply and Demands Analysis

2.1 Projected Supply and Demand Development Process

Work conducted under Tasks 5 and 6 and through the *Groundwater Safe Yield Report* of this Project developed future projected demands and supplies for the Project study area in South Utah and Juab Counties. Projections by city were developed on a monthly time step through 2065 and included estimates of unique future supply sources and multiple demand conditions for indoor potable and outdoor non-potable water demands. Specific assumptions and the analysis methodology used to develop these supply and demand projections are detailed in the Tasks 5 and 6 work *and Groundwater Safe Yield Report* included separately from this TM.

Following development of these initial future supply and demand projections, Jacobs and Hansen, Allen & Luce (Project Team) elected to vary key drivers in order to test the sensitivity of the assumptions and bracket possible future supply and demand conditions. This resulted in the development of two projected supply/demand scenarios (the *Baseline Scenario* and the *Alternative Scenario*) that were used as the basis of analysis for the Portfolio development process. It is important to note that the Baseline and Alternative supply/demand scenarios do not include potential infrastructure or operations solutions that could be used to address future supply/demand shortages but rather are intended to provide a starting point from which to evaluate the effectiveness of potential solutions. These potential solutions are evaluated in the various Portfolios described in Section 3.

Demands used in the Baseline and Alternative scenarios were based on the *Conservation* demand conditions defined in the Tasks 5 & 6 memoranda and were disaggregated into indoor potable demands and outdoor non-potable water demands for a given city. If a city does not currently have, or is not anticipated to have, a secondary water system, it was assumed that outdoor demands would be met using potable water from the potable water system.

Supply sources used in the Baseline and Alternative scenarios are summarized at a high level in Table 1, along with the assumed use type of water (indoor potable or outdoor non-potable) that a given supply can serve. It is important to note that outdoor non-potable supplies cannot be used for indoor potable purposes without water treatment. It should also be noted that the Portfolios envision a regional water treatment plant (described further in Section 3) as a potential solution to treat non-potable water for delivery as potable supply.

Table 1: Baseline and Alternative Scenario Supply Sources

Supply Source	Use Type
Groundwater and Springs	Indoor Potable and Outdoor non-potable
Reuse	Outdoor non-potable
Surface Water Streams and Irrigation Shares	Outdoor non-potable
Utah Lake System (ULS) Water	Outdoor non-potable/Indoor with Treatment
Strawberry Valley Project (SVP) Water	Outdoor non-potable/Indoor with Treatment

2.2 Baseline Supply/Demand No-Action Scenario and Shortages

2.2.1 Key Drivers

The Baseline Scenario is based on the following high-level key drivers that affect projected supplies and demands, and does not include potential actions or solutions to reduce the projected supply/demand shortages:

- **Population**: Utah County is projected to grow at the highest rate in the state and is expected to have a population of over 1.6 million by year 2065. Juab County's population is projected to increase to over 30,000 by year 2065, an increase of approximately 172 percent from 2015 (Utah's Long-Term Demographic and Economic Projection Summary, July 2017).
- **Conservation:** The Baseline Scenario assumes, among other things, metering of secondary water systems and adjusting water billing rate structures to further encourage conservation. These and other measures will have the effect of reducing consumptive use within the study area.
- **Weather/Climate Effects:** The Baseline Scenario assumes a 10 percent increase in evapotranspiration rates, due to increased temperatures, which is assumed to increase consumptive use linearly between 2015 and 2065. This has the effect of increasing overall demand.

2.2.2 Agricultural Land Conversion & Juab County Industrial Demands

Assumptions regarding conversion of agricultural land in South Utah and Juab Counties are summarized below:

- Agricultural land in South Utah County is assumed to be converted to serve Municipal and Industrial (M&I) demands as the land changes to urban uses. This increase in supply is reflected on Figure 1.

- In Juab County, supplies and demands were investigated with and without agricultural land being converted to urban land uses, and the associated water converted to M&I uses.

- After discussions with officials in Juab County, it was decided that the Baseline Scenario would be developed with no agricultural land or water conversions to M&I use.

In addition to growth directly associated with population increases, Juab County's demands were further increased by 6,000 acre-feet per year (AFY) over time to account for potential future industrial demand.

2.2.3 Projected Supplies and Demands

Total Baseline Scenario projected potable and non-potable M&I demands, supplies available to meet demands, and remaining shortages for South Utah and Juab Counties are shown on Figures 1 and 2. As noted in the Task 5 & 6 memo, if total annual supplies are compared to demands without considering the spatial distribution and the seasonal aspect of supplies versus demands, the total supplies exceed estimated demands. As shown below, when spatial distribution between communities and individual systems and the seasonal aspect of supplies versus demands are considered, future 2065 county-wide Baseline potable and non-potable shortages are approximately 31,000 AFY in South Utah County and 8,000 AFY in Juab County.

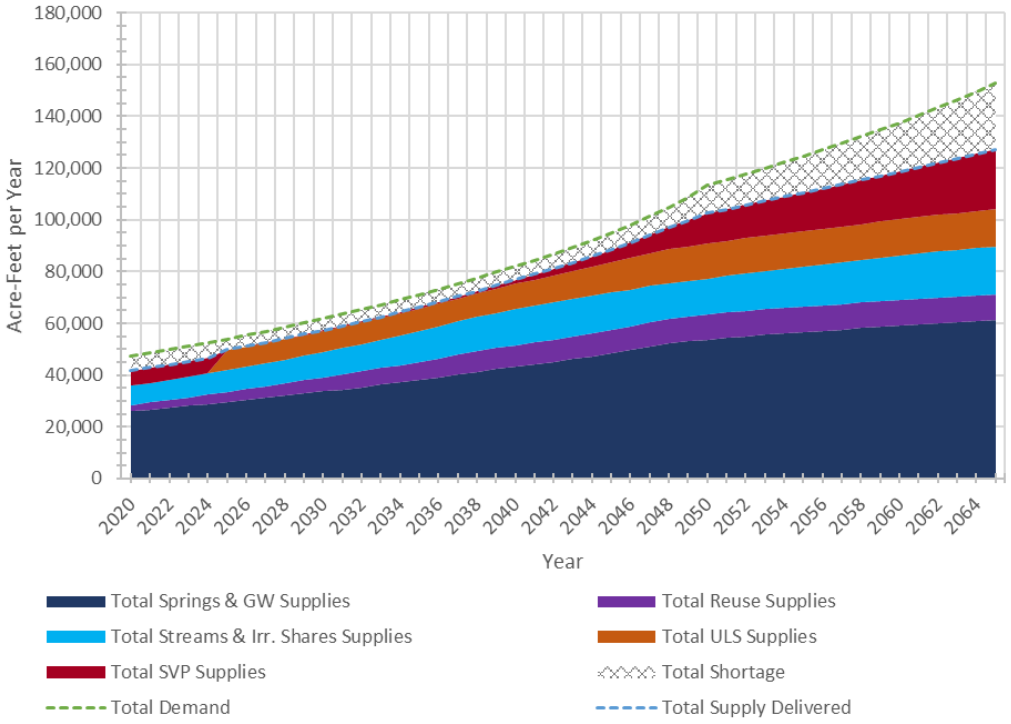


Figure 1: South Utah County, Baseline Supply/Demand Scenario Plot

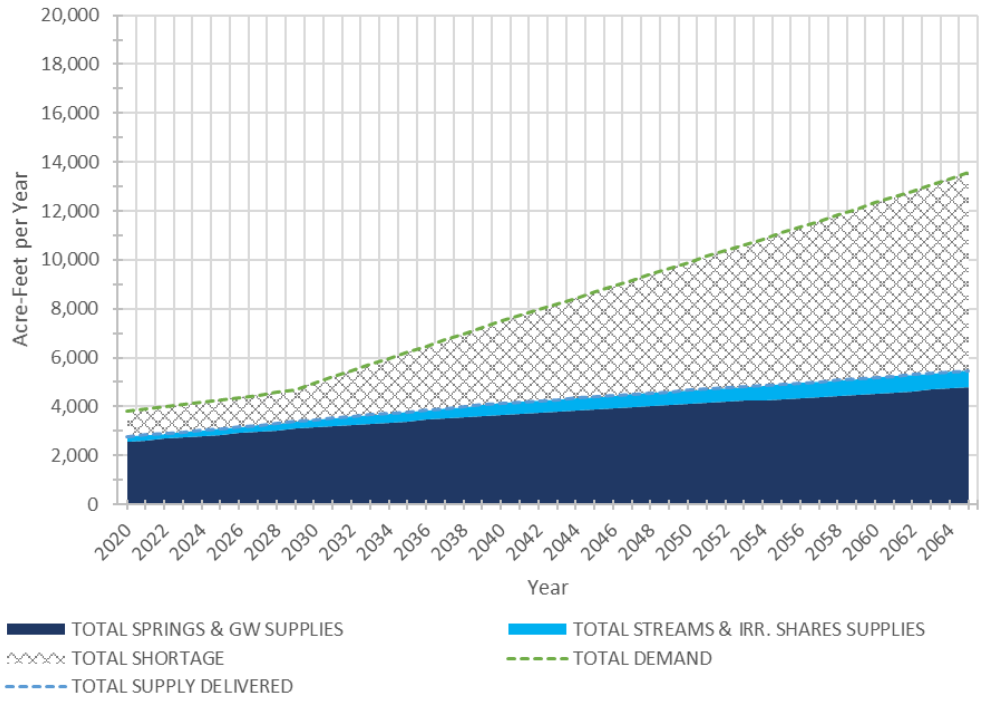


Figure 2: Juab County, Baseline Supply/Demand Scenario Plot

2.3 Alternative Supply/Demand No-Action Scenario and Shortages

The Alternative supply/demand scenario is intended to represent future conditions having greater hydrologic stress that affect supply availability and include increased demands in key identified growth locations in the study area. Potential actions or solutions to reduce the projected supply/demand shortages are not included. The Alternative scenario includes the same components as the Baseline scenario with the following key adjustments:

- Reduced surface (-15%) and groundwater (-20%) supply due to potential future supply variability
- Open space preservation options that could reduce agricultural conversion by 25% in South Utah County
- An additional demand of 15,000 AFY for the Goshen Valley Local District Mega Site
- Increased industrial demand in Juab County to a total of 12,000 AFY

Total Alternative Scenario projected potable and non-potable M&I demands, supplies used, and shortages for South Utah and Juab Counties are shown on Figures 3 and 4. As shown, future 2065 county-wide Alternative shortages are approximately 63,000 AFY in South Utah County and 14,500 AFY in Juab County.

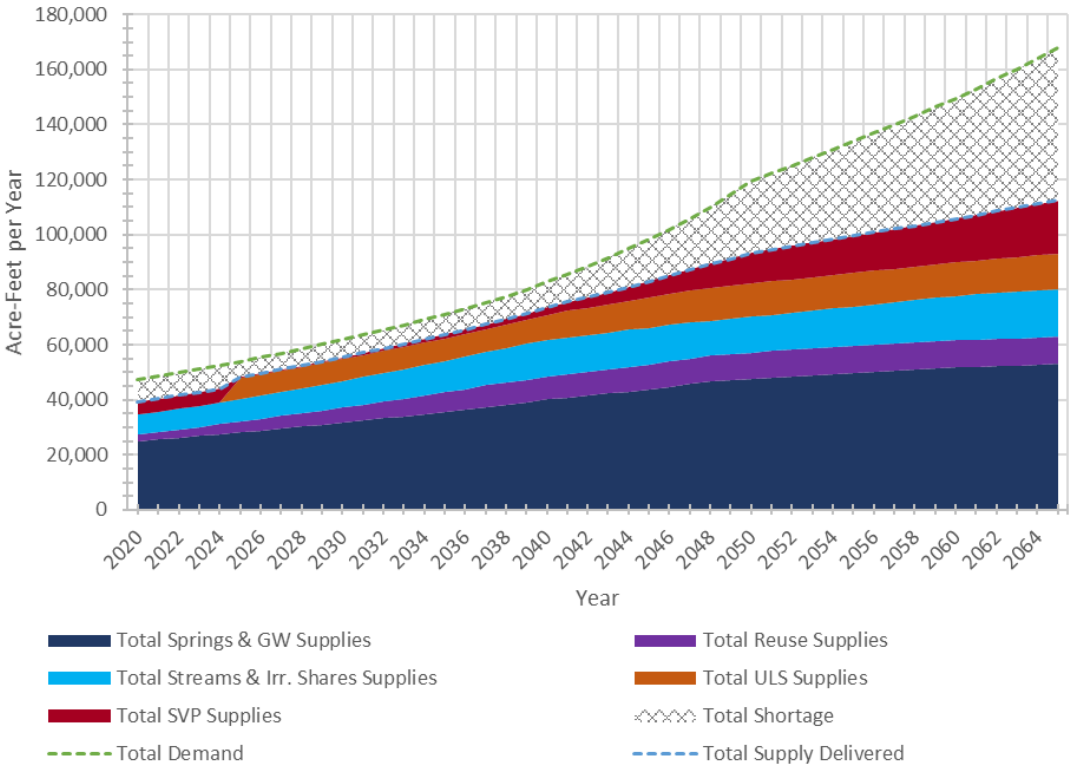


Figure 3: South Utah County, Alternative Supply/Demand Scenario Plot

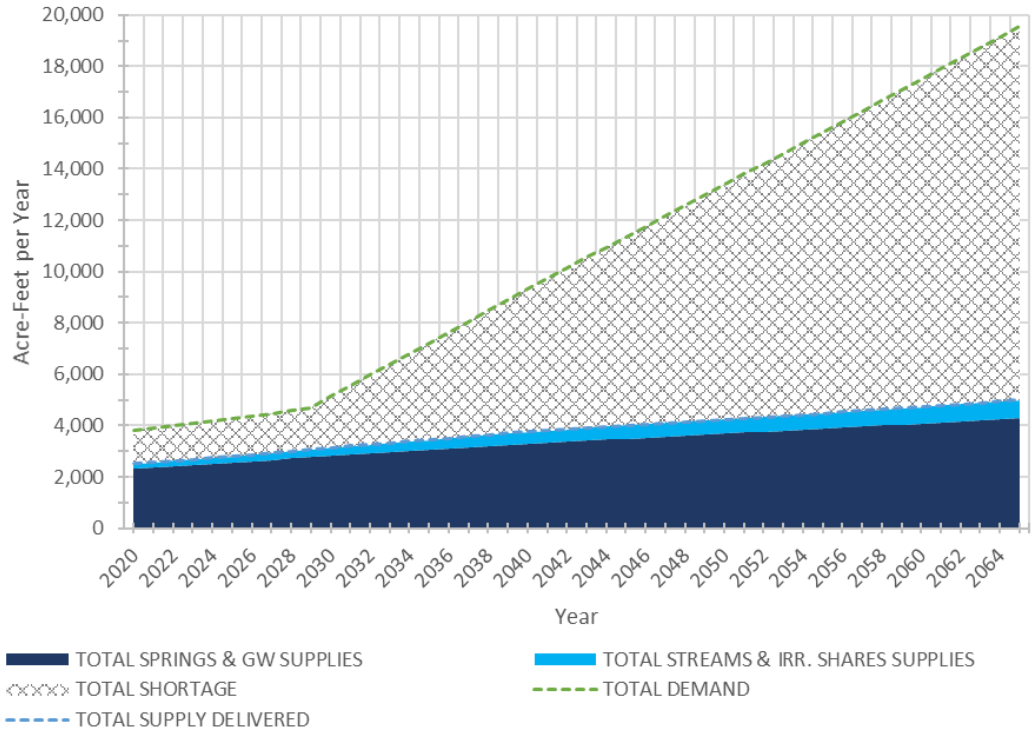


Figure 4: Juab County, Alternative Supply/Demand Scenario Plot

3. Portfolio Overview

3.1 Portfolio Development Process and Modeling

3.1.1 Portfolio Development Process and Potential Solutions

As described in Section 2, future supply shortages exist for South Utah and Juab Counties for both the Baseline and Alternative scenarios, with shortages being comprised of both potable and non-potable water. Numerous potential infrastructure and operational solutions that could help address the future shortages were developed based on collaborative input from the Project Team, CUWCD staff, and staff from various stakeholders. Solutions considered as part of the Portfolio development process were comprised of a mix of existing and new infrastructure as well as operational changes to water supply and delivery. While the collaborative solution development process yielded many potential options, a short list of possible solutions was ultimately refined and developed for further investigation. A brief description of the characteristics of these short-listed solutions that could be considered in Portfolios is shown in Table 2.

Table 2: Potential Solutions Considered in Portfolio Development Process

Solution	Type	Description
Regional Water Treatment Plant	New Infrastructure	A new regional water treatment plant located on a greenfield site owned by the CUWCD in southeastern Salem could be used to treat non-potable ULS, SVP, surface water, or other water for deliveries to cities that have potable water shortages in both South Utah and Juab Counties. For purposes of this analysis, a conventional water treatment plant process (including flocculation, sedimentation, and filtration) was assumed.
Potable Water Conveyance Pipelines	New Infrastructure	New potable water conveyance pipelines were considered in order to deliver potable water from the Regional Water Treatment Plant to cities in South Utah and Juab Counties with potable water shortages. Due to the proposed location and anticipated hydraulic grade of the Regional Water Treatment Plant, it was assumed that pump stations would not be needed for deliveries to South Utah County, but a booster pump station would likely be needed to deliver potable water into Juab County.
ULS Spanish Fork-Santaquin Pipeline and Highline Canal	Existing Infrastructure	It was assumed that combinations of the existing and planned ULS Spanish Fork-Santaquin Pipeline and a rehabilitated or enclosed Highline Canal could be used to deliver non-potable water to cities in South Utah County with non-potable water shortages as agricultural lands convert to M&I purposes.
Juab County non-potable Water Pipeline	New Infrastructure	A new non-potable water pipeline could be constructed to convey non-potable supplies from South Utah County into Juab County. It was assumed that this pipeline would begin near Santaquin and take water from the ULS Spanish Fork-Santaquin Pipeline or Highline Canal.
Aquifer Storage and Recovery (ASR) in South Utah County	New Infrastructure	It was assumed that an ASR program could be implemented in South Utah County. For purposes of this analysis, it was assumed that incremental average minus dry winter streamflows would be conveyed into the Spanish Fork-Santaquin Pipeline or Highline Canal near the proposed Regional Water Treatment Plant. Then, these flows would be conveyed to a regional infiltration site east of Santaquin and recovered with a one-year lag at a regional wellfield north of Santaquin. It was assumed that recovered water would be pumped and piped into the new potable water pipeline near Payson for subsequent distribution to communities participating in the regional ASR program. It is important to note that this analysis did not consider the true availability, water rights ownership, legal, or regulatory aspects of making water available for regional ASR.
ASR in Juab County	New Infrastructure	It was assumed that non-potable or potable water delivered into Juab County from South Utah County could be conveyed to ASR infiltration sites near cities with shortages and recovered via extraction wellfields to serve non-potable or potable demands.

Solution	Type	Description
Balancing of ULS and SVP Supplies	New Operational	For this analysis, it was assumed that ULS and SVP supplies were made available on a historic agricultural delivery pattern during summer months. This can result in periods where some cities have a surplus of these supplies in excess of what is needed to serve their own non-potable or potable demands. In these cases, surplus ULS and SVP supplies could potentially be "balanced" and delivered via new or existing infrastructure to cities that still have shortages. It is important to note that this analysis did not consider the legal, institutional, detailed operational, or regulatory aspects of enacting balancing of these supplies.
Retiming of ULS and SVP Supplies	New Operational	Like balancing of ULS and SVP supplies (as described above), retiming the delivery pattern of these supplies to an M&I schedule could be a viable solution to meet future water supply shortages. However, there are several regulatory, institutional, and operational issues that would need to be addressed to implement this solution. As such, retiming is not assumed in the considered Portfolios, but a discussion regarding retiming in included in Section 3.

The Project team worked to group the potential solutions detailed in Table 2 into Portfolios of various solutions that could be compared against each other. For all Portfolios considered, potential solutions were evaluated in terms of both the Baseline and Alternative supply/demand scenarios. The general Portfolio evaluation process is shown conceptually in Figure 5.

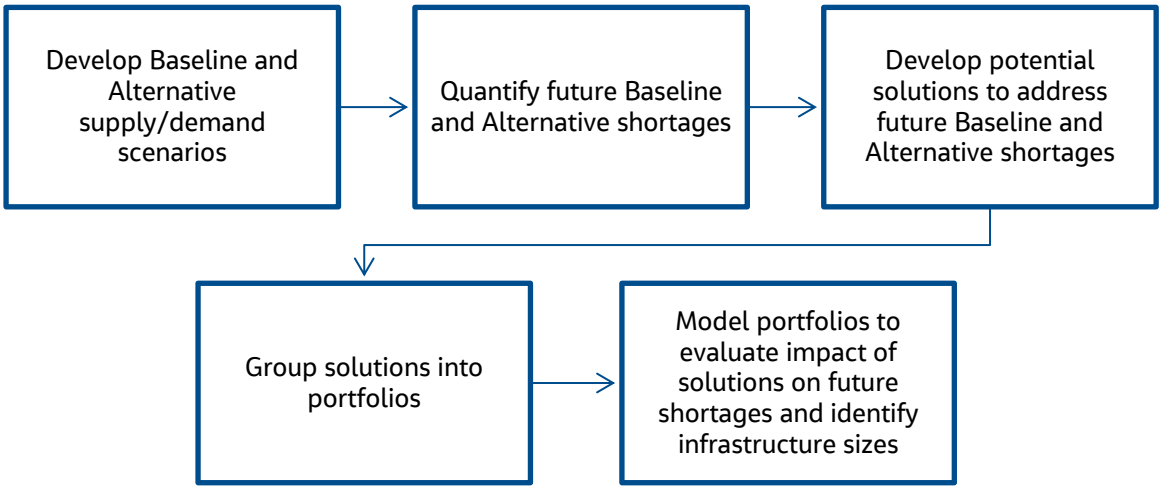


Figure 5: Conceptual Portfolio Evaluation Process

3.1.2 Modeling Approach

In order to evaluate the supply, demand, shortage conditions, and infrastructure characteristics of a given Portfolio, a custom Microsoft Excel-based water supply mass balance and infrastructure model ('Model') was developed by Jacobs. The Model was designed and constructed specifically for this Project to enable quick evaluation of assumed water supply, demand, shortage, infrastructure, and operational conditions that reflect the various Portfolio configurations. The Model contains two primary modules: (1) Water Supply Mass Balance Module and (2) Cost Estimating Module. A conceptual representation of the Model's key inputs and outputs is shown below in Figure 6.

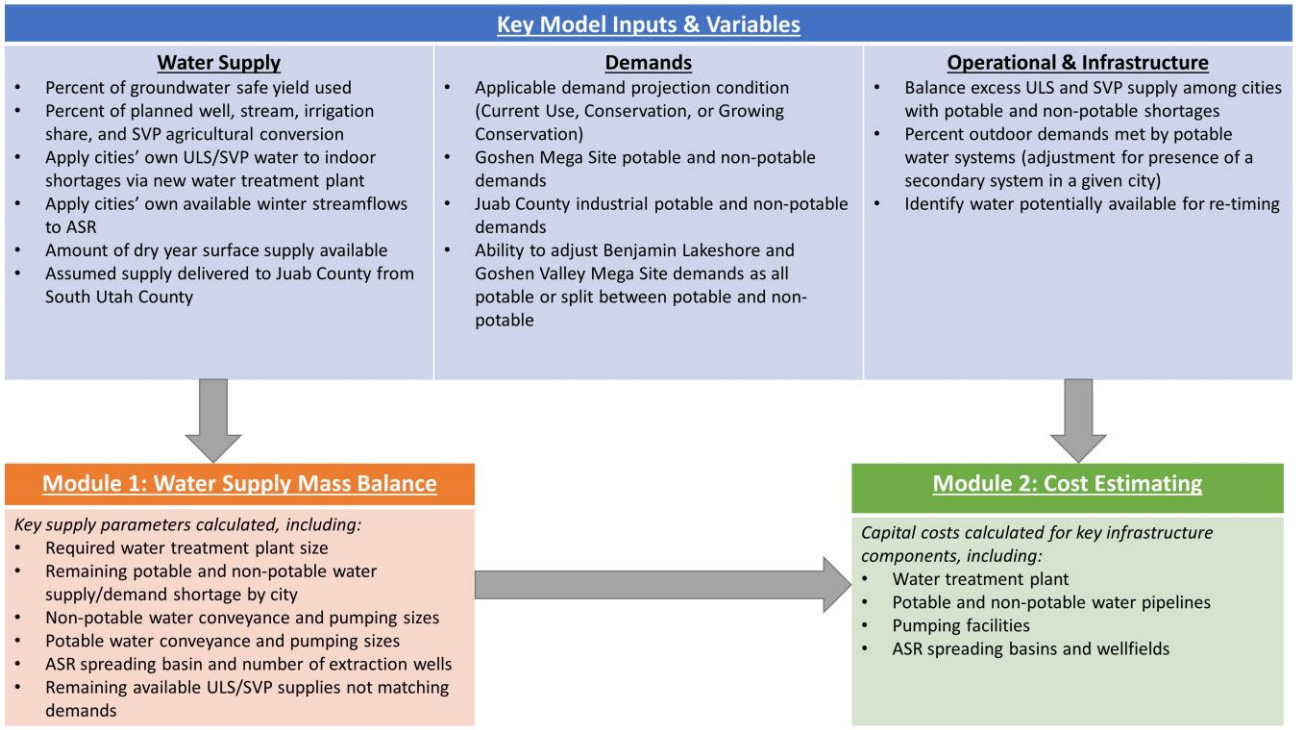


Figure 6: Conceptual Representation of Model Structure

The Water Supply Mass Balance Module consists of a conceptual layout of existing and potential future infrastructure facilities, water supply availability, and projected demands. Detailed projected supply and demand data by city were developed in Tasks 5 and 6 and incorporated into the Model. Supply and demand data were represented on a monthly time-step between 2020 and 2065 for cities in South Utah County and Juab County. The mass balance module synthesizes the supply and demand data and calculates the required size of conveyance, treatment, pump stations, and ASR infrastructure to deliver available supplies to each city. The Model also calculates any remaining supply-demand shortages for each city that remain after consideration of any solutions incorporated into a given Portfolio.

It is important to note that the primary goal of the Water Supply Mass Balance Module is to provide a flexible platform to compare water supply/demand shortages and infrastructure solutions and help inform CUWCD's Portfolio decision-making process. Results should be considered order of magnitude at this stage. More detailed systems analysis and engineering conceptual design will be required as solutions described in the Portfolio definitions are further considered and studied.

Lastly, although not a focus of Phase I efforts, the Model has the ability to link to the infrastructure capacities determined in the Water Supply Mass Balance Module and then apply parametric unit cost functions to determine estimates for capital costs. The flexible construct of the Model allows changes to Portfolio definitions and the resulting impacts on infrastructure capacity requirements and costs to be assessed relatively quickly at a high level and will aid in order-of-magnitude cost comparisons as the Project progresses.

3.2 Initial Portfolios 1 through 5

The Project Team developed five initial Portfolios, including a no-action Portfolio, that were designed to evaluate various combinations of solutions and gain a perspective on how a given Portfolio performed with regard to reducing future supply/demand shortages. Portfolio 1 was designed to evaluate a no-action condition, and it is represented conceptually as the Baseline and Alternative no-action scenarios described in Section 2. While Portfolio 1 represented the initial conditions and helped establish the Portfolio that others could be compared against, it was not used to develop or investigate potential solutions going forward.

Table 3 presents a summary of Portfolios 1 through 5 and is designed to provide for quick comparison between the Portfolios in one view space. It should be noted that the Portfolios offer infrastructure solutions that are sized to deliver water to meet the projected shortages. The water supplies to meet these demands have not been fully defined or developed. For example, Portfolio 2, Treat and Convey, proposes a water treatment plant in South Utah County. A portion of the capacity of this treatment plant would be used to treat ULS and converted SVP water. As a result, there is a corresponding reduction in shortage in South Utah County. Because ULS water cannot be used in Juab County, the shortage remains the same. Part of the focus of Phase II will be to identify water supplies to fill the infrastructure and ultimately eliminate water supply shortages within the study area.

Sections 3.2.1 through 3.2.5 provide a more detailed overview of the initial Portfolio characteristics. Organized in a common “fact-sheet” style format, these sections provide a brief narrative description of the Portfolio components, a map of key infrastructure, and a summary table of 2065 Baseline and Alternative remaining shortages by city.

Table 3: Initial Portfolios 1-5 Summary

Portfolio Number	Portfolio Description	South Utah County 2065 Remaining Shortage (AFY)*				Juab County 2065 Remaining Shortage (AFY)*				Key Required Infrastructure
		Baseline		Alternative		Baseline		Alternative		
		Potable	Non-Potable	Potable	Non-Potable	Potable	Non-Potable	Potable	Non-Potable	
1	No-Action	17,462	7,944	30,596	24,729	3,286	4,813	5,766	8,813	None beyond existing facilities
2	Treat & Convey in South Utah County	6,414	12,604	15,515	33,606	3,286	4,813	5,766	8,813	-Regional WTP (23 MGD Baseline, 39 MGD Alternative) -New Potable Pipeline in South Utah County -Non-potable Conveyance in South Utah County via Spanish Fork-Santaquin Pipeline & Highline Canal
3	Treat & Convey + Balancing of ULS & SVP Supplies in South Utah County	5,846	4,132	12,705	29,226	3,286	4,813	5,766	8,813	-Regional WTP (23 MGD Baseline, 38 MGD Alternative) -New potable Pipeline in South Utah County -Non-potable Conveyance in South Utah County via Spanish Fork-Santaquin Pipeline & Highline Canal
4A	Treat & Convey + Balancing of ULS & SVP Supplies + ASR in South Utah County and ASR in Juab County via Spanish Fork-Santaquin Pipeline	4,361	2,028	9,303	19,358	3,286	4,813	5,766	8,813	-Regional WTP (18 MGD Baseline, 26 MGD Alternative) -New Potable Pipeline in South Utah County -Non-potable Conveyance in South Utah County via Spanish Fork-Santaquin Pipeline & Highline Canal -ASR Spreading Basins & Wellfield in South Utah County -New Non-potable Pipeline into Juab County -ASR Spreading Basins & Wellfield in South Utah County
4B	Treat & Convey + Balancing of ULS & SVP Supplies + ASR in South Utah County and ASR in Juab County via Highline Canal	4,361	2,028	9,303	19,358	3,286	4,813	5,766	8,813	-Regional WTP (18 MGD Baseline, 26 MGD Alternative) -New Potable Pipeline in South Utah County -Non-potable Conveyance in South Utah County via Spanish Fork-Santaquin Pipeline & Highline Canal -ASR Spreading Basins & Wellfield in South Utah County -New Non-potable Pipeline into Juab County -ASR Spreading Basins & Wellfield in South Utah and Juab Counties
5	Treat & Convey in South Utah County, Exchange Non-potable Water Surface Supplies to Juab via Spanish Fork-Santaquin Pipeline + Potable Water Pipe to Juab County	6,414	12,604	15,515	33,606	3,286	4,813	5,766	8,813	-Regional WTP (29 MGD Baseline, 48 MGD Alternative) -New Potable Pipeline in South Utah County -Non-potable Conveyance in South Utah County via Spanish Fork-Santaquin Pipeline & Highline Canal -ASR Spreading Basins & Wellfield in South Utah County -New Potable and Non-potable Pipelines into Juab County -ASR Spreading Basins & Wellfield in South Utah and Juab Counties

*Note: Remaining shortages indicate the amount of water supplies that still need to be identified after implementation of solutions and infrastructure identified in each Portfolio. The shortages in Juab County do not change because there is no identified water supply. The identified infrastructure are the facilities needed to treat and convey potential water supplies.
Assumes no conversion of agricultural water to M&I in Juab County.

3.2.1 Portfolio 2: Treat and Convey in South Utah County

Key Portfolio Characteristics

South Utah County Solutions:

- Regional WTP in South Utah County supplied by cities that have ULS/SVP water supplies.

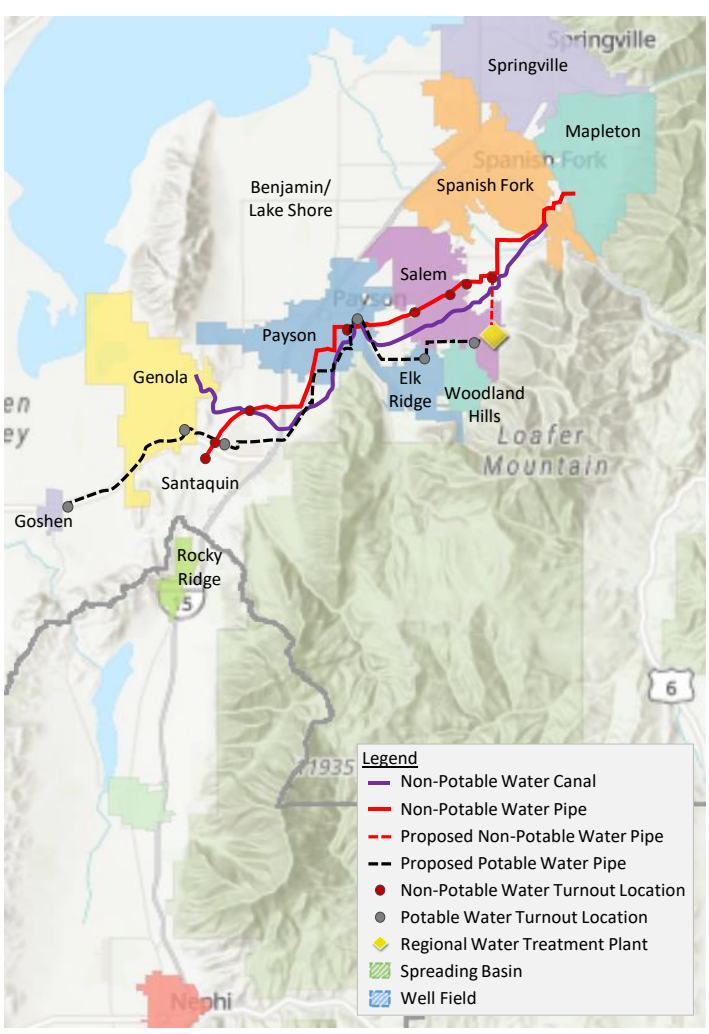
- New potable water pipeline to western communities.

- Non-potable water conveyance by Spanish Fork-Santaquin Pipeline and/or Highline Canal.

Juab County Solutions:

- None

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-Potable	Total	Potable	Non-Potable	Total
South Utah County						
Benjamin/Lake Shore	2,940	7,278	10,218	4,020	10,339	14,359
Elk Ridge	0	0	0	1	0	1
Genola	0	0	0	0	0	0
Goshen	2	0	2	5,079	10,000	15,079
Mapleton	0	0	0	0	0	0
Payson	2,812	489	3,301	4,266	2,404	6,670
Salem	661	3,372	4,033	1,820	6,760	8,580
Santaquin	0	0	0	329	0	329
Spanish Fork	0	1,465	1,465	0	4,103	4,103
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**6,414**	**12,604**	**19,018**	**15,515**	**33,606**	**49,121**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

3.2.2 Portfolio 3: Treat and Convey + Balancing of ULS and SVP Supplies in South Utah County

Key Portfolio Characteristics

South Utah County Solutions:

- Regional WTP in South Utah County supplied by cities that have ULS/SVP water supplies, plus balanced ULS/SVP water supplies.

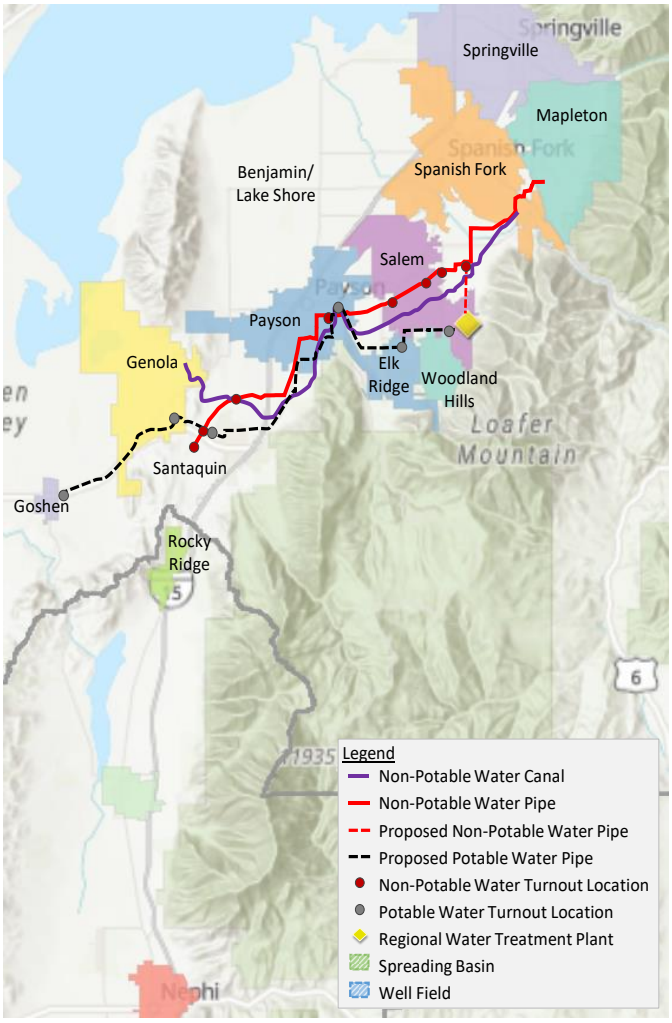
- New potable water pipeline to western communities.

-Non-potable water conveyance by Spanish Fork-Santaquin Pipeline and/or Highline Canal.

Juab County Solutions:

- None

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-potable	Total	Potable	Non-potable	Total
South Utah County						
Benjamin/Lake Shore	2,377	1,851	4,228	3,546	8,492	12,038
Elk Ridge	0	0	0	0	0	0
Genola	0	0	0	0	0	0
Goshen	0	0	0	2,950	9,074	12,024
Mapleton	0	0	0	0	0	0
Payson	2,809	371	3,179	4,148	2,301	6,449
Salem	660	1,005	1,665	1,732	5,615	7,347
Santaquin	0	0	0	329	0	329
Spanish Fork	0	905	905	0	3,744	3,744
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**5,846**	**4,132**	**9,978**	**12,705**	**29,226**	**41,931**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

3.2.3 Portfolio 4A: Treat and Convey + Balancing of ULS & SVP Supplies + ASR in South Utah County and ASR in Juab County via Spanish Fork-Santaquin Pipeline

Key Portfolio Characteristics

South Utah County Solutions:

- Treat and Convey, with Regional WTP and new potable water pipeline to western communities.

- Balancing of available ULS/SVP supplies among communities.

- Regional ASR supplied by available winter streamflow assumed to be delivered into the Spanish Fork-Santaquin Pipeline or Highline Canal upstream of the Regional WTP. Winter streamflows are conveyed to a regional infiltration site east of Santaquin and extracted at a regional wellfield north of Santaquin. Extracted water is pumped and piped to the potable water pipeline at Payson for subsequent distribution to communities participating in ASR.

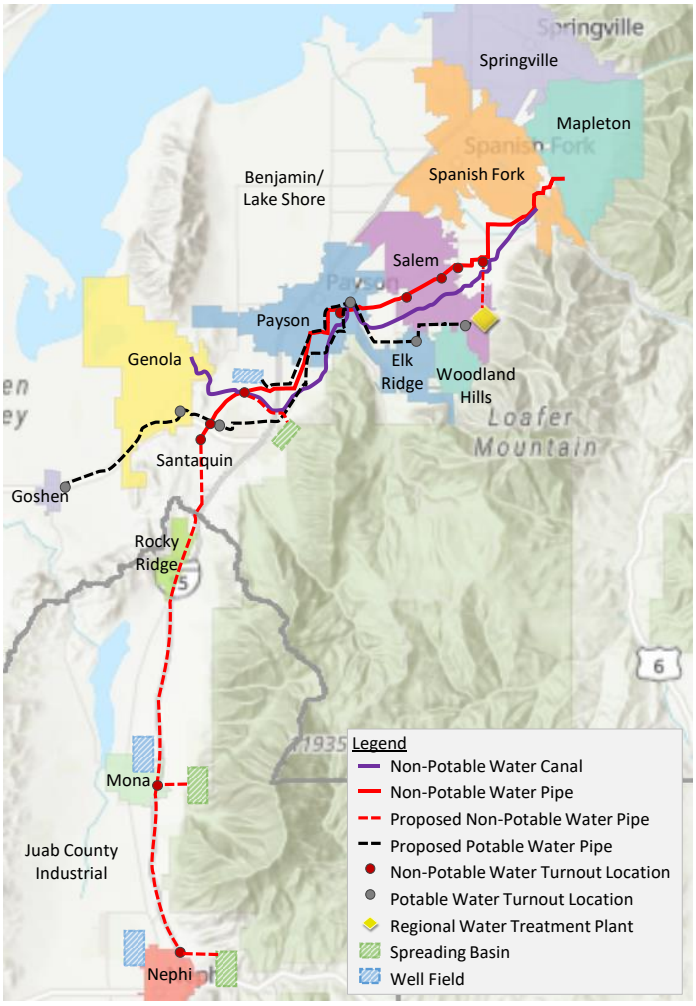
Juab County Solutions:

- Non-potable water is delivered to Juab County via a new extension of the Spanish Fork-Santaquin Pipeline from Santaquin in South Utah County.

- Turnouts to ASR infiltration sites in Mona City and Nephi to serve potable demands. Extraction wellfields assumed to be located in Mona City and Nephi.

- Turnouts to Mona City and Nephi for direct delivery for non-potable demands.

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-potable	Total	Potable	Non-potable	Total
South Utah County						
Benjamin/Lake Shore	2,100	1,241	3,341	2,959	6,434	9,393
Elk Ridge	0	0	0	0	0	0
Genola	0	0	0	0	0	0
Goshen	0	0	0	2,782	8,204	10,985
Mapleton	0	0	0	0	0	0
Payson	2,261	144	2,405	3,386	1,746	5,133
Salem	0	12	12	0	997	997
Santaquin	0	0	0	176	0	176
Spanish Fork	0	631	631	0	1,977	1,977
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**4,361**	**2,028**	**6,389**	**9,303**	**19,358**	**28,661**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

3.2.4 Portfolio 4B: Treat and Convey + Balancing of ULS & SVP Supplies + ASR in South Utah County and ASR in Juab County via Highline Canal

Key Portfolio Characteristics

South Utah County Solutions:

- Treat and Convey, with Regional WTP and new potable water pipeline to western communities.

- Balancing of available ULS/SVP supplies among communities.

- Regional ASR supplied by available winter streamflow assumed to be delivered into the Spanish Fork-Santaquin Pipeline or Highline Canal upstream of the Regional WTP. Winter streamflows are conveyed to a regional infiltration site east of Santaquin and extracted at a regional wellfield north of Santaquin. Extracted water is pumped and piped to the potable water pipeline at Payson for subsequent distribution to communities participating in ASR.

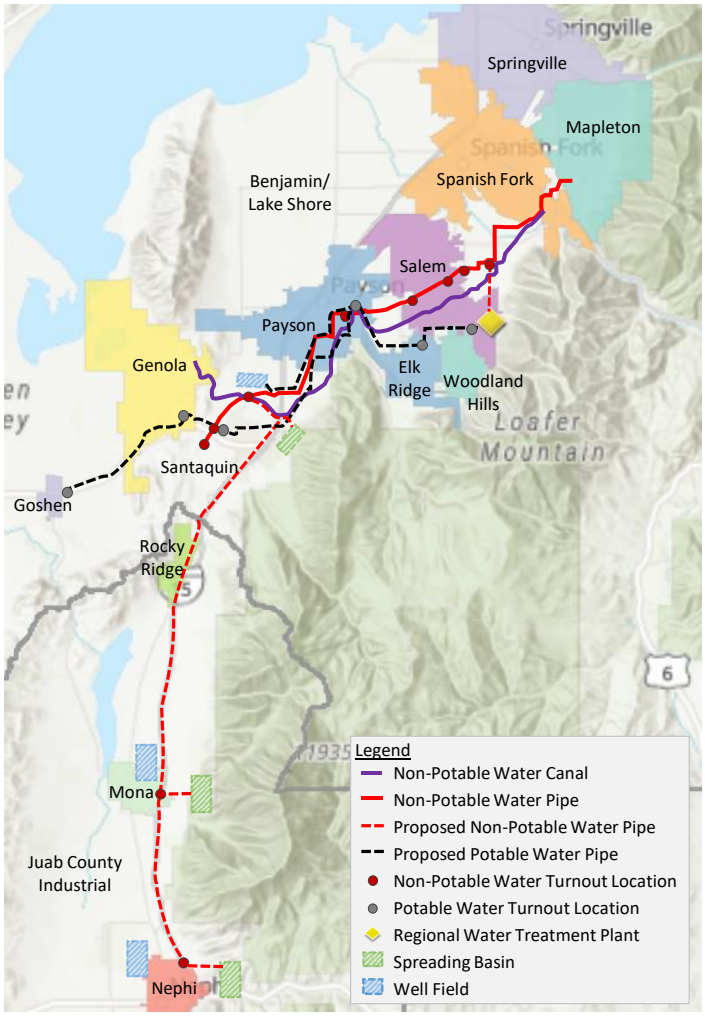
Juab County Solutions:

- Non-potable water is delivered to Juab County via a new pipeline extension from the Highline Canal near Santaquin in South Utah County. A pump station is required to convey water into Juab County.

- Turnouts to ASR infiltration sites in Mona City and Nephi to serve potable demands. Extraction wellfields assumed to be located in Mona City and Nephi.

- Turnouts to Mona City and Nephi for direct delivery for non-potable demands.

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	**Potable**	**Non-potable**	**Total**	**Potable**	**Non-potable**	**Total**
South Utah County						
Benjamin/Lake Shore	2,100	1,241	3,341	2,959	6,434	9,393
Elk Ridge	0	0	0	0	0	0
Genola	0	0	0	0	0	0
Goshen	0	0	0	2,782	8,204	10,985
Mapleton	0	0	0	0	0	0
Payson	2,261	144	2,405	3,386	1,746	5,133
Salem	0	12	12	0	997	997
Santaquin	0	0	0	176	0	176
Spanish Fork	0	631	631	0	1,977	1,977
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**4,361**	**2,028**	**6,389**	**9,303**	**19,358**	**28,661**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

3.2.5 Portfolio 5: Treat and Convey in South Utah County, Exchange Non-potable Water Surface Supplies to Juab via Spanish Fork-Santaquin Pipeline + Potable Water Pipe to Juab County

Key Portfolio Characteristics

South Utah County Solutions:

- Treat and Convey, with Regional WTP and new potable water pipeline to western communities. Juab County potable demands assumed to be delivered to Regional WTP and conveyed through new potable water pipeline.

Juab County Solutions:

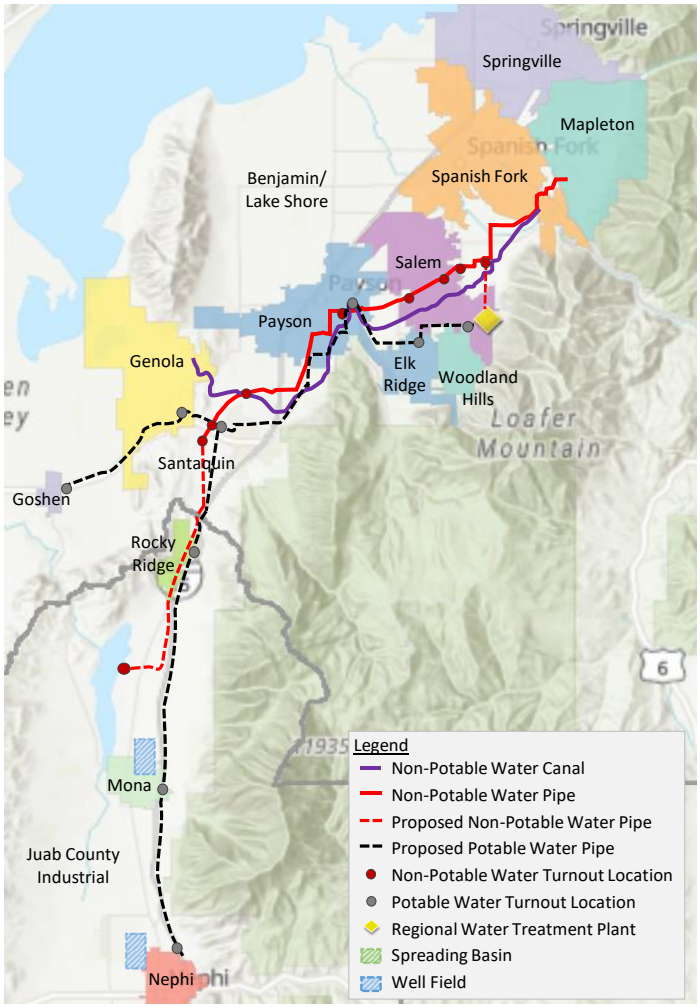
- Non-potable water is delivered to Juab County via a new extension of the Spanish Fork-Santaquin Pipeline from Santaquin in South Utah County. Water is delivered directly to Mona Reservoir in amounts of Mona City and Nephi non-potable demands.

- Exchange from Mona Reservoir to Mona City and Nephi for local groundwater pumping via new wellfields to supply non-potable demands.

- Potable water delivered via extension of new potable line from South Utah County Regional WTP into Juab County.

- Turnouts to Rocky Ridge, Mona City, and Nephi for direct delivery of potable demands.

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-potable	Total	Potable	Non-potable	Total
South Utah County						
Benjamin/Lake Shore	2,940	7,278	10,218	4,020	10,339	14,359
Elk Ridge	0	0	0	1	0	1
Genola	0	0	0	0	0	0
Goshen	2	0	2	5,079	10,000	15,079
Mapleton	0	0	0	0	0	0
Payson	2,812	489	3,301	4,266	2,404	6,670
Salem	661	3,372	4,033	1,820	6,760	8,580
Santaquin	0	0	0	329	0	329
Spanish Fork	0	1,465	1,465	0	4,103	4,103
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**6,414**	**12,604**	**19,018**	**15,515**	**33,606**	**49,121**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

3.3 Selected Portfolios 6 through 7

Following internal workshops, discussion, and stakeholder outreach by the Project Team, concepts developed in the initial Portfolios 1 through 5 were refined and updated into a new set of selected Portfolios 6, 6A, 7, and 7A. Elements from these selected Portfolios are anticipated to be carried into Phase II of the Project for further evaluation and refinement.

As a result of the refinement process mentioned above, several key changes were made from the initial Portfolios 1 through 5:

- It was decided that the optimal solution to address long-term shortages for Juab County would be to deliver potable water in amounts that could meet Juab County's future potable and non-potable shortages. A system that included both potable and non-potable conveyance was deemed too expensive. Thus, Portfolios 6, 6A, 7, and 7A all include Juab County's future potable and non-potable shortages being served via South Utah County ASR or the proposed Regional Water Treatment Plant in South Utah County and a new potable water pipeline extending from South Utah County down to Nephi in Juab County.

- Likewise, the Project Team developed solutions for potable water shortages and the required infrastructure to meet those shortages in South Utah and Juab Counties. Non-potable supplies and conveyance, such as the Highline Canal, are controlled by entities other than the CUWCD, and the Plan Formulation Project will focus on potable water solutions. This analysis does, however, track and quantify non-potable supplies and demands.

- Balancing of South Utah County ULS and SVP supplies was viewed as a favorable potential solution, but there are numerous regulatory, institutional, and operational issues to be addressed before this could be accomplished. As a result, balancing of these supplies is not assumed in the selected Portfolios 6, 6A, 7, and 7A, but will be further evaluated in Phase II of the Study.

- Like balancing, retiming of South Utah County ULS and SVP supplies, as described above, is considered a favorable potential solution to meet future water supply shortages. However, there are numerous regulatory, institutional, and operational issues that would need to be addressed before this could be accomplished. As such, retiming is not assumed in the selected Portfolios 6, 6A, 7, and 7A and will be further evaluated in Phase II of the Study.

- An ASR program in South Utah County was viewed as a favorable potential solution, with recognition that the future configuration or assumed water sources are uncertain at this time and require future study. To provide perspective on how a regional ASR program might impact future shortages in South Utah County, ASR is included in Portfolios 7 and 7A. However, the size of the ASR program evaluated in the selected Portfolios was adjusted down from that assumed in the initial Portfolios 4A, 4B, and 5 to include a stepped ASR program beginning in 2030 and increasing to approximately 10,000 AFY by 2050. This will be further refined in Phase II.

- It was noted that the nature of future development in Benjamin/Lake Shore and the Goshen Valley Mega Site areas is uncertain. To account for this uncertainty, Portfolios 6 and 7 include demands for these areas being split between potable and non-potable, while Portfolios 6A and 7A include all demands for these areas being served as potable demands. This has the effect of increasing the required size of the Regional Water Treatment Plant and other potable water infrastructure components.

Table 4 shows a summary of the selected Portfolios 6, 6A, 7, and 7A, while Sections 3.3.1 through 3.3.4 include fact-sheet style summaries of key Portfolio components and South Utah County supply/demand plots for

Baseline and Alternative scenarios. Note that Juab County supply/demand plots for Portfolios 6, 6A, 7, and 7A are the same as those shown for the Baseline and Alternative no-action conditions in Figures 2 and 4, so the supply/demand graphs for Juab County are not repeated below.

Table 4: Selected Portfolios 6, 6A, 7, and 7A Summary

Portfolio Number	Portfolio Description	South Utah County 2065 Remaining Shortage (AFY)*				Juab County 2065 Remaining Shortage (AFY)*				Key Required Infrastructure
		Baseline		Alternative		Baseline		Alternative		
		Potable	Non-Potable	Potable	Non-Potable	Potable	Non-Potable	Potable	Non-Potable	
1	No Action	17,462	7,944	30,596	24,729	3,286	4,813	5,766	8,813	None beyond existing facilities
6	Treat & Convey, Goshen Mega Site & Benjamin/Lake Shore Demands Split Between Potable & Non-potable in South Utah County, Potable Water Pipe to Juab County	6,414	12,604	15,515	33,606	3,286	4,813	5,766	8,813	-Regional WTP (35 MGD Baseline, 58 MGD Alternative) -New Potable Pipeline in South Utah County -New Potable Pipeline into Juab County
6A	Treat & Convey, Goshen Mega Site & Benjamin/Lake Shore Demands Represented as Potable Demands in South Utah County, Potable Water Pipe to Juab County	15,841	5,326	37,755	13,267	3,286	4,813	5,766	8,813	-Regional WTP (70 MGD Baseline, 101 MGD Alternative) -New Potable Pipeline in South Utah County -New Potable Pipeline into Juab County
7	Treat & Convey + ASR, Goshen Mega Site & Benjamin/Lake Shore Demands Split Between Potable & Non-potable in South Utah County in South Utah County, Potable Water Pipe to Juab County	4,431	9,976	12,100	30,715	3,286	4,813	5,766	8,813	-Regional WTP (33 MGD Baseline, 51 MGD Alternative) -New Potable Pipeline in South Utah County -ASR Spreading Basins & Wellfield in South Utah County -New Potable Pipeline into Juab County
7A	Treat & Convey + ASR, Goshen Mega Site & Benjamin/Lake Shore Demands Represented as Potable Demands in South Utah County, Potable Water Pipe to Juab County	13,858	2,698	34,340	10,376	3,286	4,813	5,766	8,813	-Regional WTP (68 MGD Baseline, 95 MGD Alternative) -New Potable Pipeline in South Utah County -ASR Spreading Basins & Wellfield in South Utah County -New Potable Pipeline into Juab County

*Note: Remaining shortages indicate the amount of water supplies that still need to be identified after implementation of solutions and infrastructure identified in each Portfolio. The shortages in Juab County do not change because there is no identified water supply. The identified infrastructure are the facilities needed to treat and convey potential water supplies.
Assumes no conversion of agricultural water to M&I in Juab County.

3.3.1 Portfolio 6: Treat and Convey, Goshen Mega Site and Benjamin/Lake Shore Demands Split Between Potable and Non-potable in South Utah County, Potable Water Pipe to Juab County

Key Portfolio Characteristics

South Utah County Solutions:

- Regional WTP in South Utah County supplied by cities that have ULS/SVP water supplies.

- New potable water pipeline to western communities.

- Goshen Mega Site and Benjamin/Lake Shore demands represented as split between potable and non-potable demands.

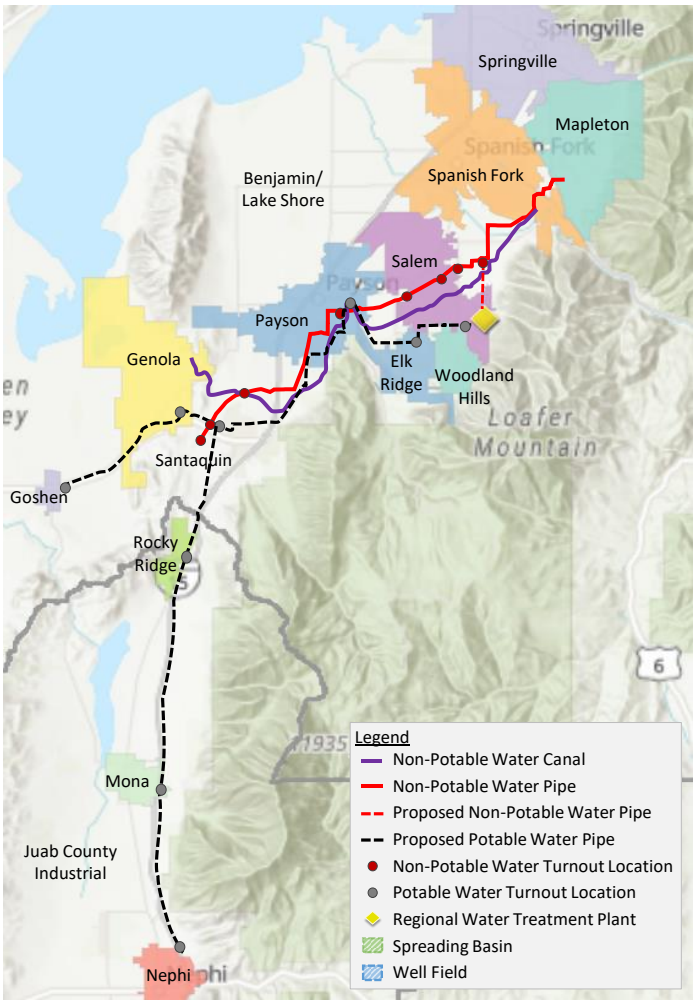
Juab County Solutions:

- Potable water delivered via extension of new potable line from South Utah County Regional WTP into Juab County.

Note: All Juab County shortages (potable and non-potable) assumed to be served by potable water system.

- No agricultural conversion assumed.

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-Potable	Total	Potable	Non-Potable	Total
South Utah County						
Benjamin/Lake Shore	2,940	7,278	10,218	4,020	10,339	14,359
Elk Ridge	0	0	0	1	0	1
Genola	0	0	0	0	0	0
Goshen	2	0	2	5,079	10,000	15,079
Mapleton	0	0	0	0	0	0
Payson	2,812	489	3,301	4,266	2,404	6,670
Salem	661	3,372	4,033	1,820	6,760	8,580
Santaquin	0	0	0	329	0	329
Spanish Fork	0	1,465	1,465	0	4,103	4,103
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**6,414**	**12,604**	**19,018**	**15,515**	**33,606**	**49,121**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

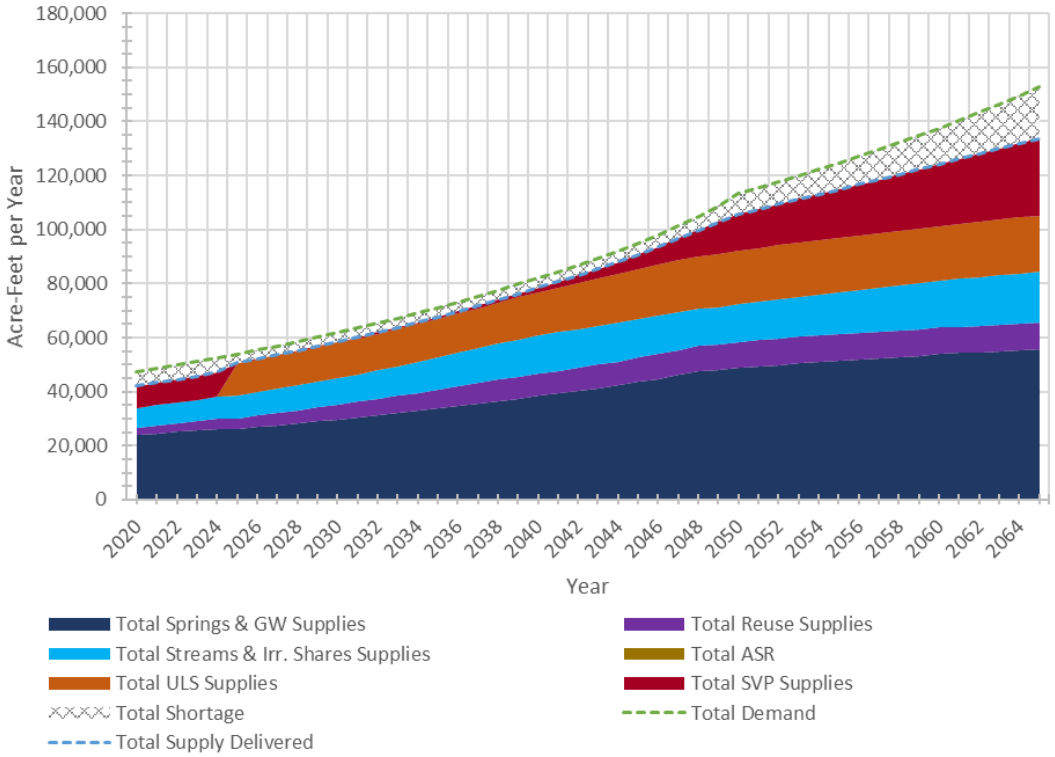


Figure 7: South Utah County, Portfolio 6 Baseline Potable & Non-Potable Supply/Demand Plot

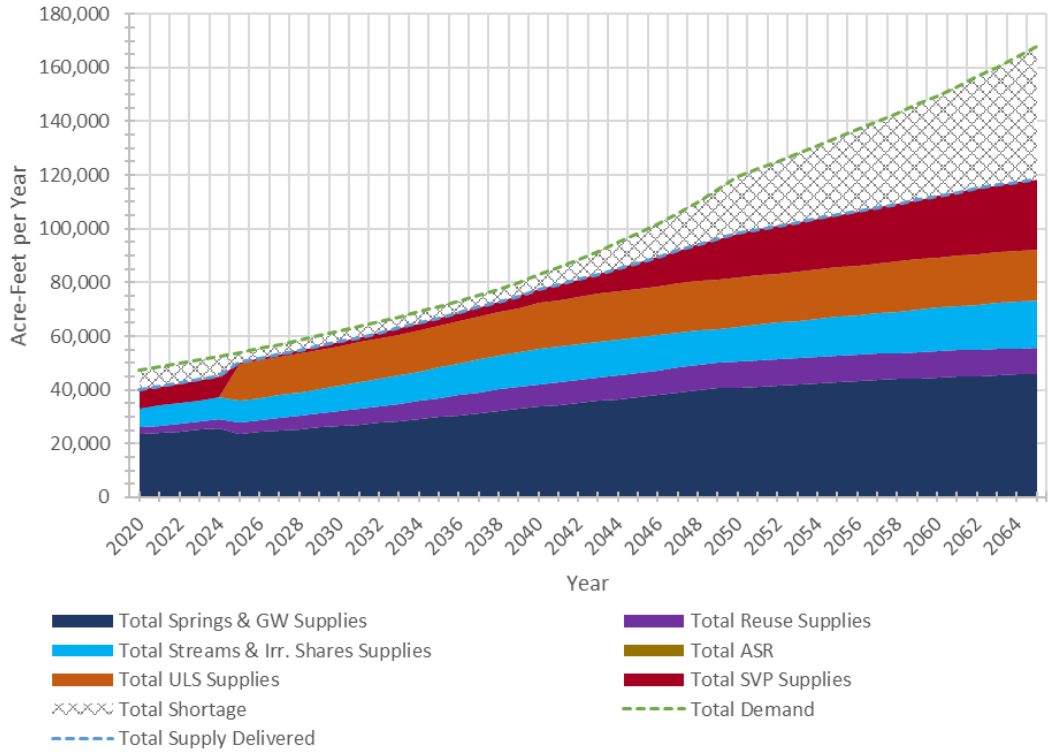


Figure 8: South Utah County, Portfolio 6 Alternative Potable & Non-Potable Supply/Demand Plot

3.3.2 Portfolio 6A: Treat and Convey, Goshen Mega Site and Benjamin/Lake Shore Demands Represented as Potable Demands in South Utah County, Potable Water Pipe to Juab County

Key Portfolio Characteristics

South Utah County Solutions:

- Regional WTP in South Utah County supplied by cities that have ULS/SVP water supplies.

- New potable water pipeline to western communities.

- Goshen Mega Site and Benjamin/Lake Shore demands represented as all potable demands.

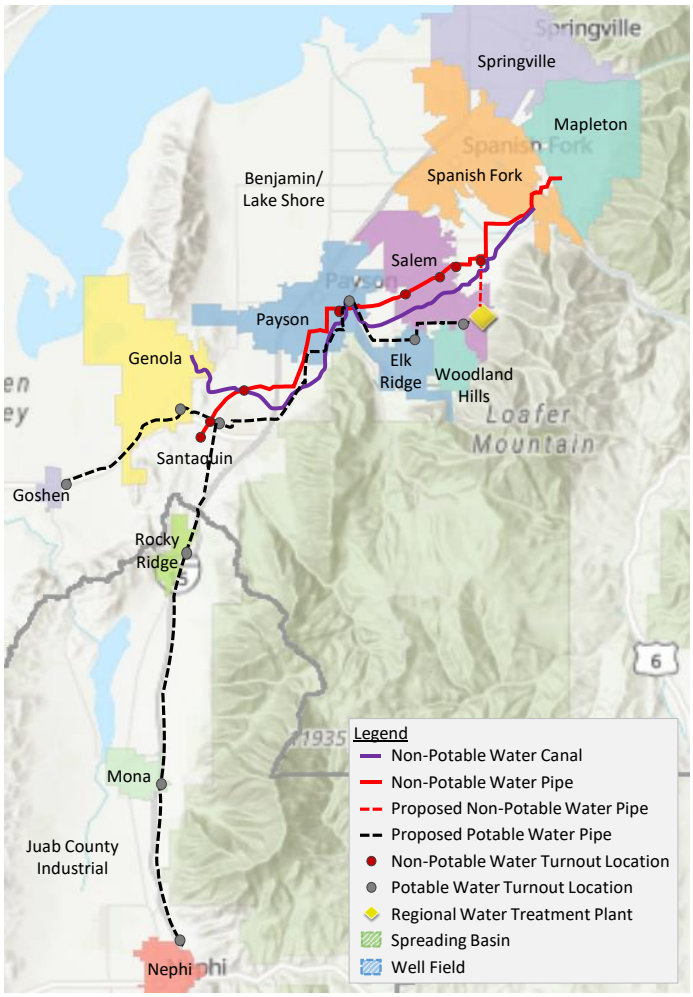
Juab County Solutions:

- Potable water delivered via extension of new potable line from South Utah County Regional WTP into Juab County.

Note: All Juab County shortages (potable and non-potable) assumed to be served by potable water system.

- No agricultural conversion assumed.

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-Potable	Total	Potable	Non-Potable	Total
South Utah County						
Benjamin/Lake Shore	12,367	0	12,367	16,260	0	16,260
Elk Ridge	0	0	0	1	0	1
Genola	0	0	0	0	0	0
Goshen	2	0	2	15,079	0	15,079
Mapleton	0	0	0	0	0	0
Payson	2,812	489	3,301	4,266	2,404	6,670
Salem	661	3,372	4,033	1,820	6,760	8,580
Santaquin	0	0	0	329	0	329
Spanish Fork	0	1,465	1,465	0	4,103	4,103
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**15,841**	**5,326**	**21,167**	**37,755**	**13,267**	**51,022**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

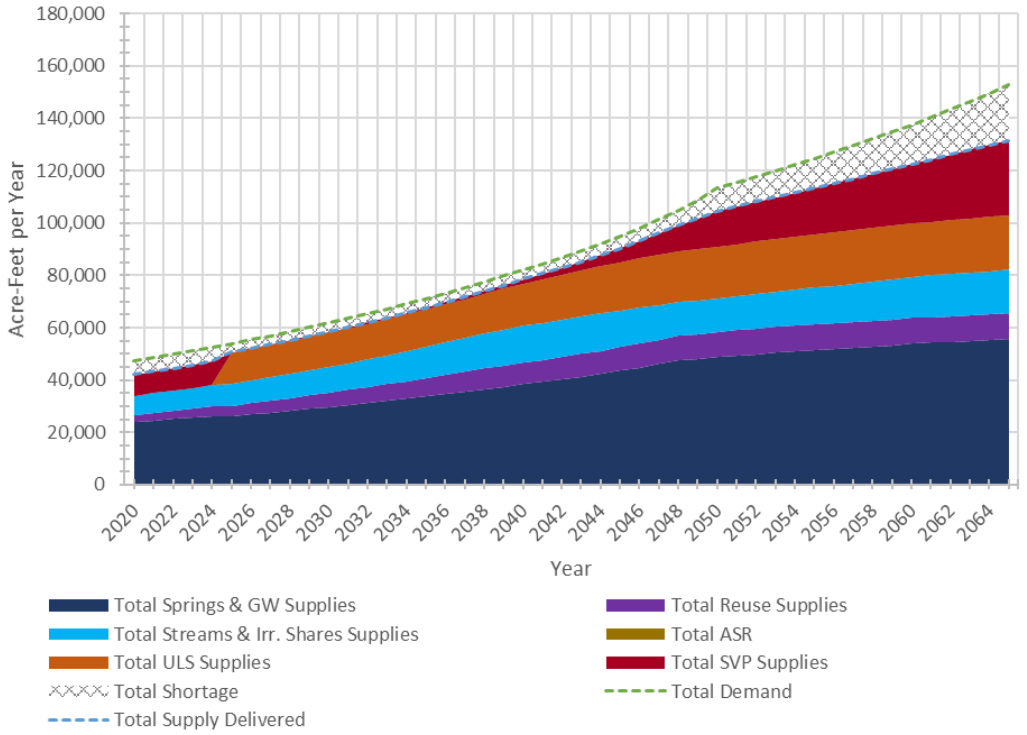


Figure 9: South Utah County, Portfolio 6A Baseline Potable & Non-Potable Supply/Demand Plot

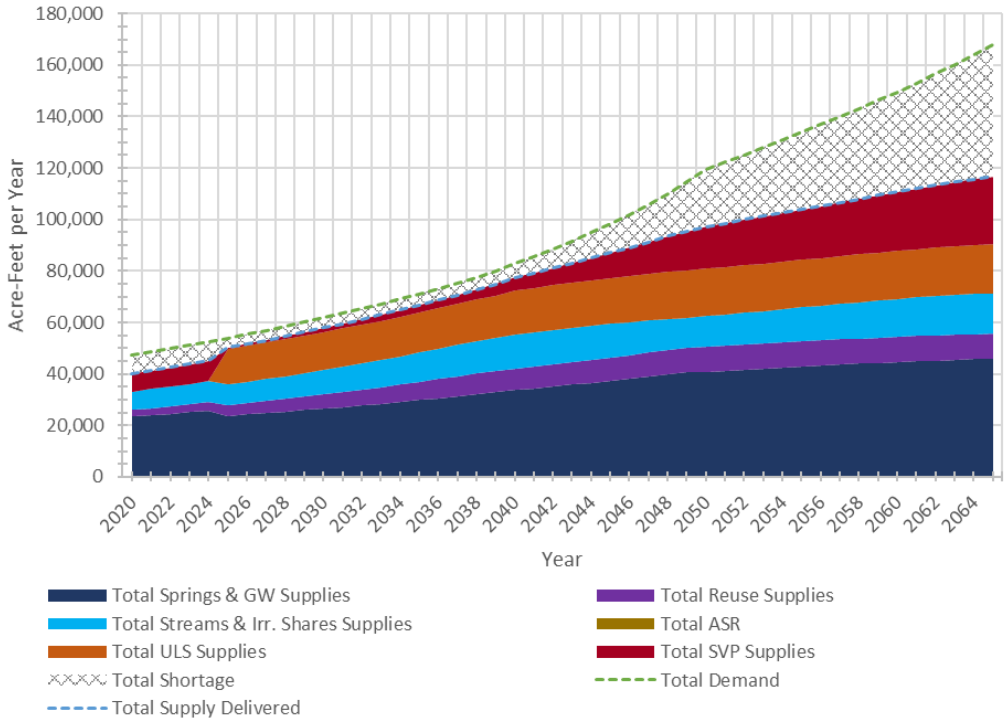


Figure 10: South Utah County, Portfolio 6A Alternative Potable & Non-Potable Supply/Demand Plot

3.3.3 Portfolio 7: Treat and Convey + ASR, Goshen Mega Site and Benjamin/Lake Shore Demands Split Between Potable and Non-potable in South Utah County in South Utah County, Potable Water Pipe to Juab County

Key Portfolio Characteristics

South Utah County Solutions:

- Regional WTP in South Utah County supplied by cities that have ULS/SVP water supplies.

- Regional ASR supplied by available winter streamflow assumed to be delivered into the Spanish Fork-Santaquin Pipeline or Highline Canal upstream of the Regional WTP. Winter streamflows are conveyed to a regional infiltration site east of Santaquin and extracted at a regional wellfield north of Santaquin. Extracted water is pumped and piped to the potable water pipeline at Payson for subsequent distribution to communities participating in ASR.

- New potable water pipeline to western communities.

- Goshen Mega Site and Benjamin/Lake Shore demands represented as split between potable and non-potable demands.

- Non-potable water conveyance by Spanish Fork-Santaquin Pipeline and/or Highline Canal.

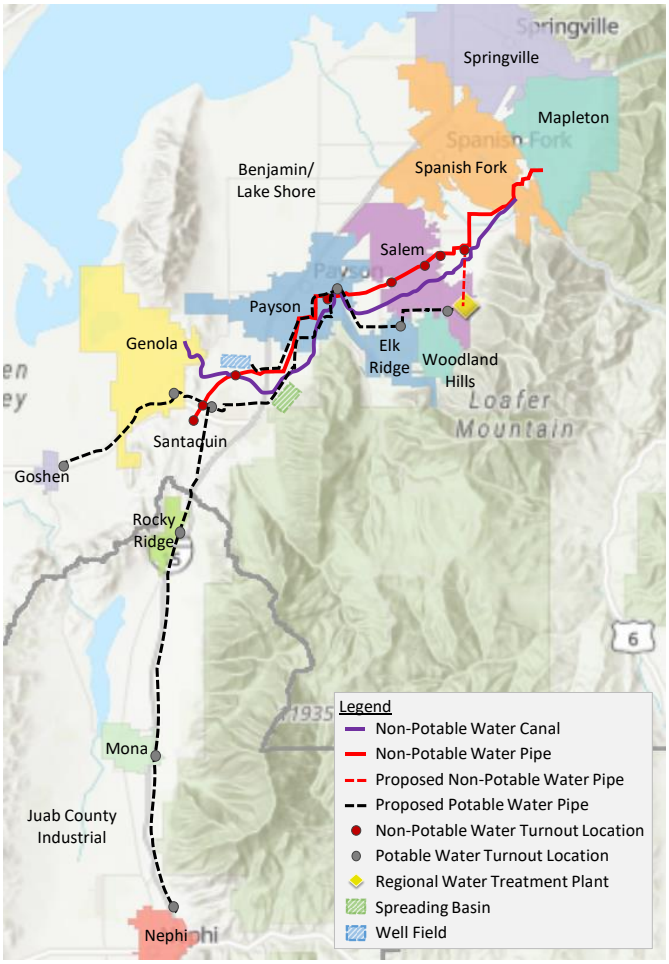
Juab County Solutions:

- Potable water delivered via extension of new potable line from South Utah County Regional WTP into Juab County.

Note: All Juab County shortages (potable and non-potable) assumed to be served by potable water system.

- No agricultural conversion assumed.

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-Potable	Total	Potable	Non-Potable	Total
South Utah County						
Benjamin/Lake Shore	2,338	7,278	9,616	3,418	10,339	13,757
Elk Ridge	0	0	0	1	0	1
Genola	0	0	0	0	0	0
Goshen	2	0	2	5,079	10,000	15,079
Mapleton	0	0	0	0	0	0
Payson	2,092	489	2,581	3,366	2,404	5,770
Salem	0	744	744	21	4,593	4,614
Santaquin	0	0	0	215	0	215
Spanish Fork	0	1,465	1,465	0	3,379	3,379
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**4,431**	**9,976**	**14,408**	**12,100**	**30,715**	**42,815**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

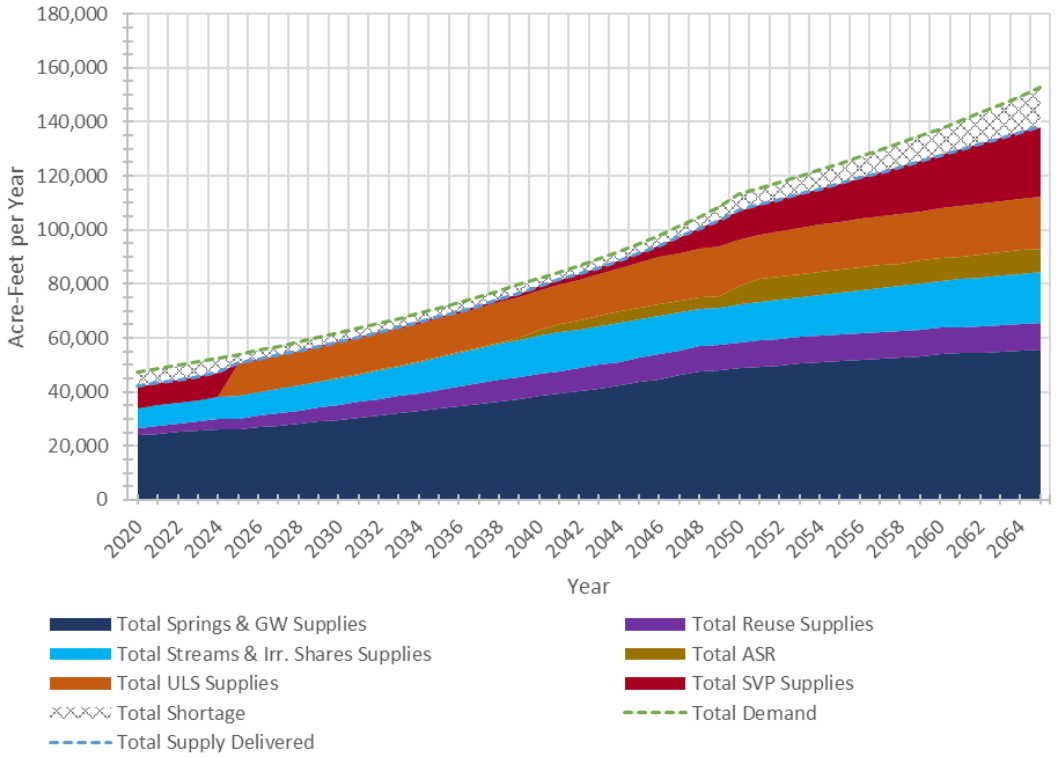


Figure 11: South Utah County, Portfolio 7 Baseline Potable & Non-Potable Supply/Demand Plot

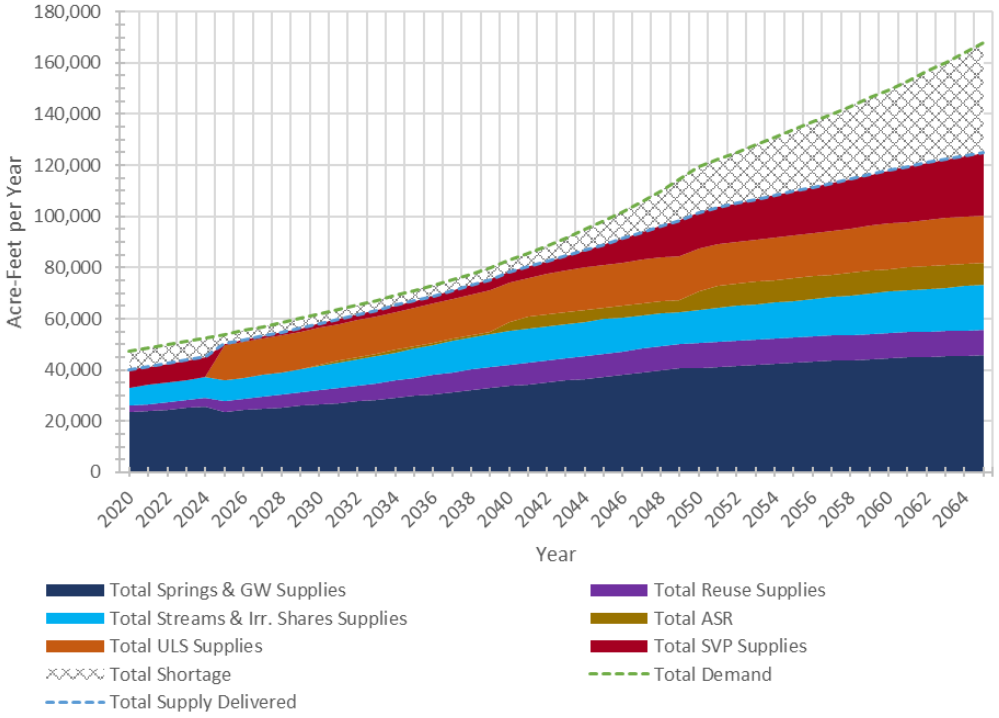


Figure 12: South Utah County, Portfolio 7 Alternative Potable & Non-Potable Supply/Demand Plot

3.3.4 Portfolio 7A: Treat and Convey + ASR, Goshen Mega Site and Benjamin/Lake Shore Demands Represented as Potable Demands in South Utah County, Potable Water Pipe to Juab County

Key Portfolio Characteristics

South Utah County Solutions:

- Regional WTP in South Utah County supplied by cities that have ULS/SVP water supplies.

- Regional ASR supplied by available winter streamflow assumed to be delivered into the Spanish Fork-Santaquin Pipeline or Highline Canal upstream of the Regional WTP. Winter streamflows are conveyed to a regional infiltration site east of Santaquin and extracted at a regional wellfield north of Santaquin. Extracted water is pumped and piped to the potable water pipeline at Payson for subsequent distribution to communities participating in ASR.

- New potable water pipeline to western communities.

- Goshen Mega Site and Benjamin/Lake Shore demands represented as all potable demands.

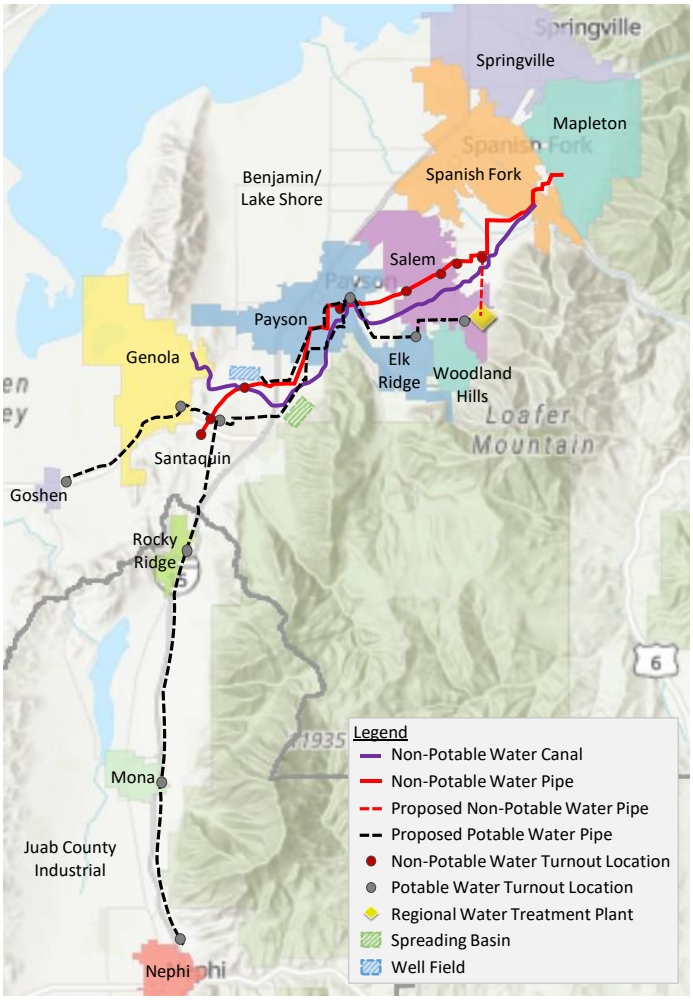
- Non-potable water conveyance by Spanish Fork-Santaquin Pipeline and/or Highline Canal.

Juab County Solutions:
- Potable water delivered via extension of new potable line from South Utah County Regional WTP into Juab County.

Note: All Juab County shortages (potable and non-potable) assumed to be served by potable water system.

- No agricultural conversion assumed.

Overview Schematic (2065 Max. Month Conditions)



2065 Remaining Shortages (Acre-Feet per Year)

	Baseline Scenario			Alternative Scenario		
City	Potable	Non-Potable	Total	Potable	Non-Potable	Total
South Utah County						
Benjamin/Lake Shore	11,765	0	11,765	15,658	0	15,658
Elk Ridge	0	0	0	1	0	1
Genola	0	0	0	0	0	0
Goshen	2	0	2	15,079	0	15,079
Mapleton	0	0	0	0	0	0
Payson	2,092	489	2,581	3,366	2,404	5,770
Salem	0	744	744	21	4,593	4,614
Santaquin	0	0	0	215	0	215
Spanish Fork	0	1,465	1,465	0	3,379	3,379
Springville	0	0	0	0	0	0
Woodland Hills	0	0	0	0	0	0
South Utah County Total	**13,858**	**2,698**	**16,556**	**34,340**	**10,376**	**44,716**
Juab County						
Mona	0	532	532	3	532	534
Nephi	1,286	281	1,568	1,750	281	2,031
Rocky Ridge	0	0	0	14	0	14
Juab County Industrial	2,000	4,000	6,000	4,000	8,000	12,000
Juab County Total	**3,286**	**4,813**	**8,099**	**5,766**	**8,813**	**14,579**

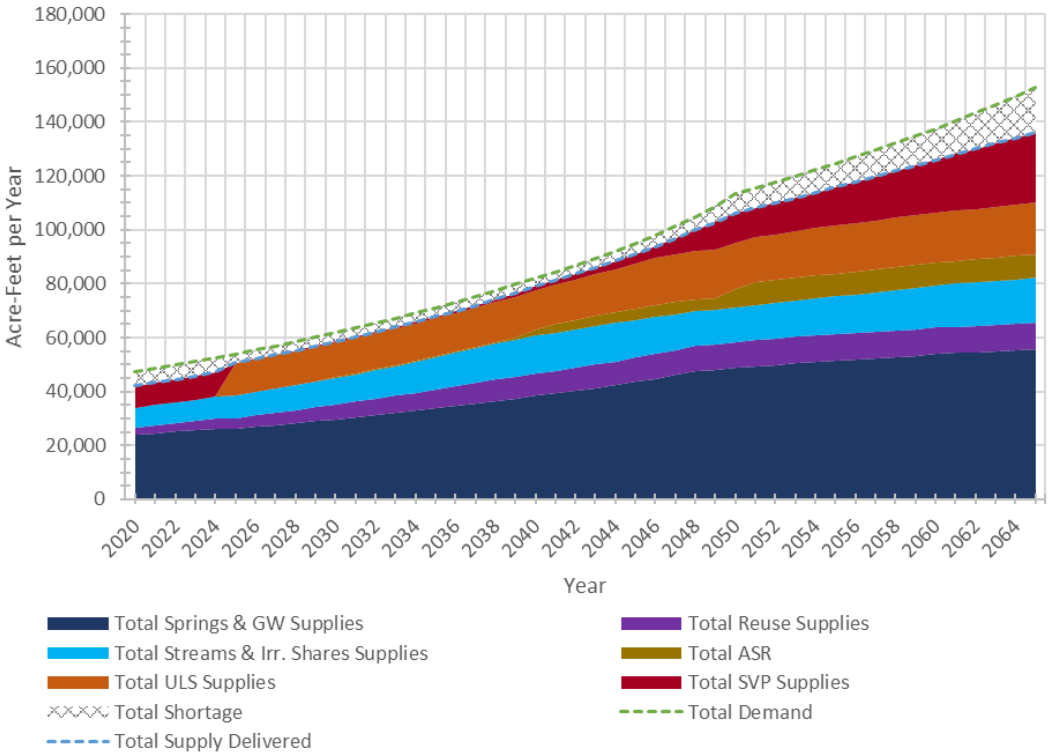


Figure 13: South Utah County, Portfolio 7A Baseline Potable & Non-Potable Supply/Demand Plot

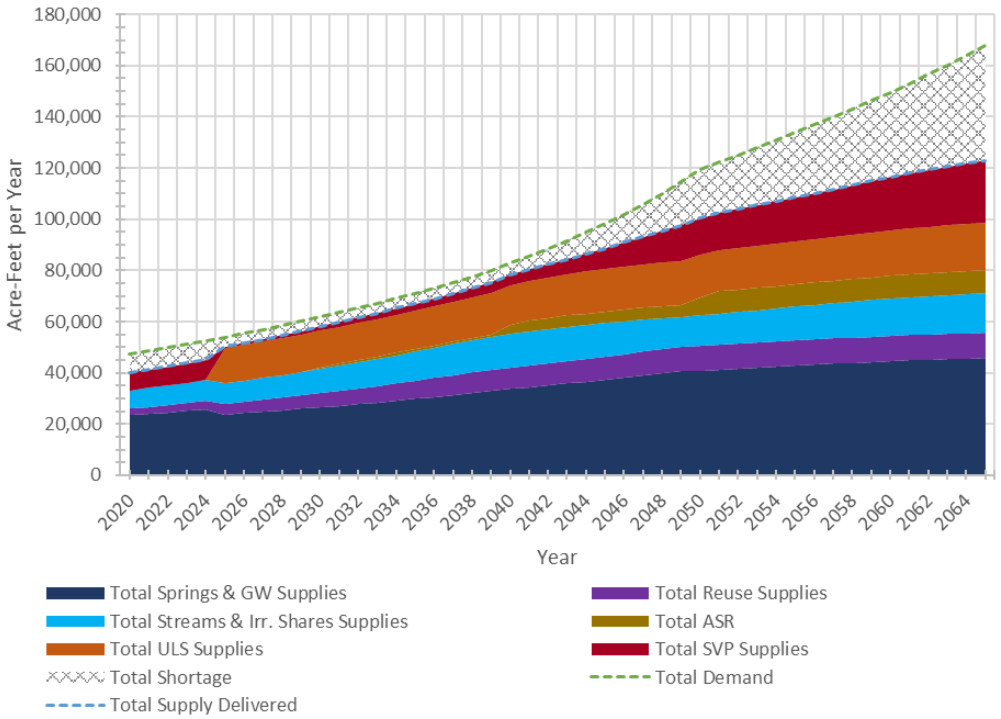


Figure 14: South Utah County, Portfolio 7A Alternative Potable & Non-Potable Supply/Demand Plot

3.4 Potential Regional Benefits of Balancing and Retiming

As noted in the previous sections, balancing and retiming of ULS and SVP supplies offer an opportunity to address remaining projected shortages in South Utah and Juab Counties. However, there are numerous regulatory, operational, legal, and institutional issues that would need to be addressed before these solutions could be implemented.

Figure 15 shows the amount of water that could potentially be available with balancing and retiming, using Portfolio 6 and the Baseline supply/demand scenario assumptions as an example. On this figure, the solid yellow and blue bars indicate the volumes of ULS and SVP supplies that can be used to meet demands in this Portfolio over time, assuming no balancing of these supplies and delivery on an agricultural (summer) schedule. The hatched yellow and blue bars indicate the volume of ULS and SVP supplies that were not able to be used to meet demands given the above constraints, but could potentially be used to meet demands if balancing and/or retimed delivery on an M&I (year-round) schedule were enacted. This demonstrates the potential utility of balancing and retiming the available supplies.

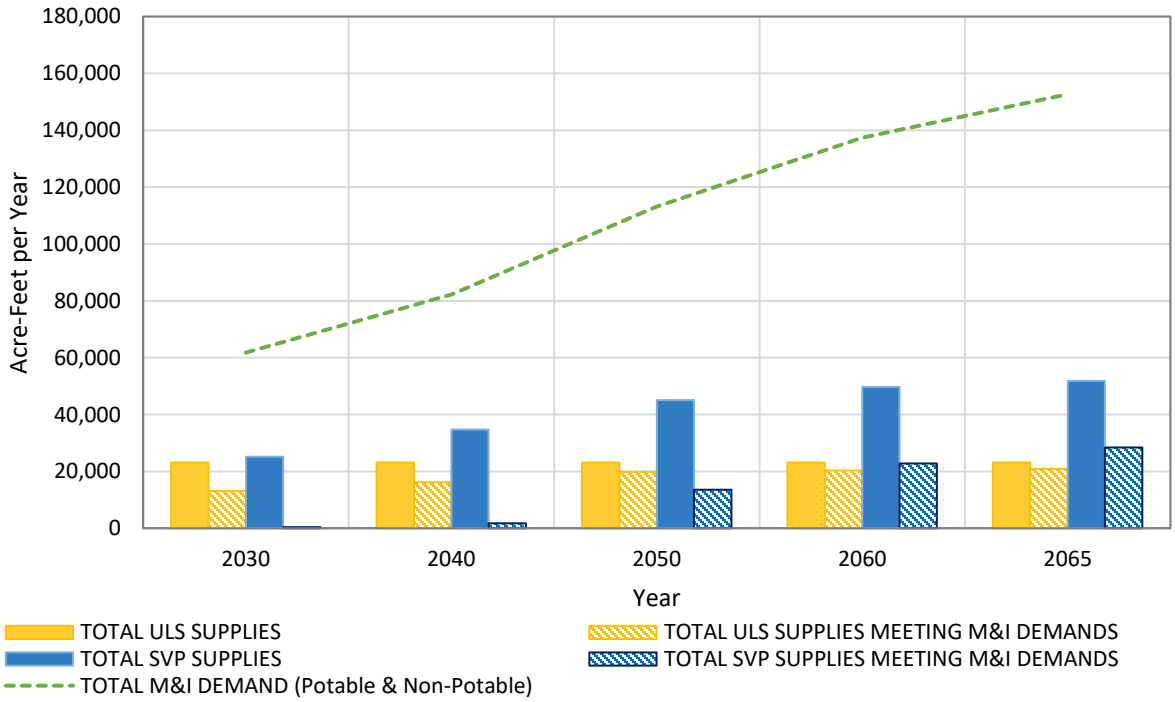


Figure 15: South Utah County Available versus Used ULS and SVP Water (Portfolio 6, Baseline)

4. Conclusions and Next Steps

Key next steps as the Project moves from the Portfolios evaluation stage and into Phase II include:

- Initiate Phase II of the Project.
- After further evaluation and refinement, it was determined that ASR will be an important part of the water supply reliability solution in the future. As such it was determined that only Portfolios 7 and 7A will be further evaluated in Phase II.
- Evaluate the proposed infrastructure, costs, and economic and financial feasibility for Portfolios 7 and 7A.
- Evaluate Portfolios 7 and 7A with and without balancing and retimed M&I deliveries from Strawberry Reservoir.
- Further evaluate regional ASR in Phase II.
- For Phase II, the Team will develop:
    - Strategy for desired outcomes
    - Schedule triggers
    - Phasing and actions for implementation
- Create a plan to identify additional water supplies.
- Examine National Environmental Policy Act (NEPA) implications, federal constraints, water rights issues, and federal law considerations, such as the Warren Act.

Appendix D
Potential Water Supplies TM

Jacobs

Draft Memorandum

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Subject	**Plan Formulation Project Aquifer Storage and Recovery (ASR) Sources of Water**
Project Name	Juab County and South Utah County Water Supply and Infrastructure Plan Formulation Project
Attention	David Pitcher, Central Utah Water Conservancy District
From	Bob Harding, Jacobs Engineering
Date	December 10, 2020
Copies to	Richard King, Derek Bruton, Adam Murdock, Brendan Hedel, John Chadwick

On December 3, 2020, CUWCD staff held a meeting to discuss potential water supplies and quantities for ASR in South Utah and Juab Counties. During this meeting, Jacobs Team members (Jacobs and Hansen, Allen & Luce) and staff from CUWCD developed a broad list of potential supplies to evaluate as part of a conceptual ASR program under the Plan Formulation Project. The Team and CUWCD staff performed a high-level evaluation to eliminate supplies that were not deemed worthy for further study.

Potential supplies were divided into two categories: "No Further Evaluation" and "Further Evaluation in Phase II." The following shows the division of the potential supplies into these categories and gives a brief description of the potential issues and key considerations associated with each supply option. Sources of the supply in the Further Evaluation category will be brought forward for additional consideration and evaluation in Phase II of the Plan Formulation Project.

I. No Further Evaluation

- Hobble Creek
    - There is no natural flow from Hobble Creek that reaches Utah Lake.
        - Not a likely supply source.
    - There are challenges with using this supply due to June sucker instream flow requirements.
    - There is a possibility for availability of winter flows, but it would be challenging to access these flows when considering June sucker flow requirements.
- Maple Creek
    - Water from Maple Creek currently does not reach Maple Canyon mouth.
        - The water naturally infiltrates into faults.
        - No natural channel exists for the water to flow out of the Canyon.
        - The water does not reach Utah Lake.

- Not a likely supply source.

- Peteetneet Creek

  - All water from Peteetneet Creek is diverted into Dry Creek.
  - Dry Creek doesn't flow in winter.
  - No Peteetneet Creek water goes beyond Payson Canyon mouth.
  - In very high-flow years some water may end up in marshes, but this is not common.
  - Not a likely supply source.

II. Further Evaluation in Phase II

- Spanish Fork River Natural Flows

  - Natural flows in winter are a likely potential source.
  - There will need to be an evaluation of water rights considerations.
  - The Jacobs Team initially estimated approximately 14,000 acre-feet (AF) could potentially be available from Spanish Fork River during the winter months. This potentially available flow was considered as the difference between average and 25-year low measured flows in winter months (November through March).
    - CUWCD staff did not see any major issues with this estimate, but it will need to be refined further.
  - Spanish Fork River natural flows are a likely source of water for ASR.

- Spanish Fork River In-stream Flow Releases

  - Water is currently added to river for required instream flow purposes for Sixth Water and Diamond Fork reaches of the streams.
  - This water currently continues to Spanish Fork River and may be diverted into Power Canal for Strawberry Power Plants and then to Utah Lake and is not recaptured.
  - CUWCD staff noted that there currently is approximately 120,000 AF of water in Utah Lake made up from this water and also June Sucker releases from Strawberry and also Provo River.
    - Some of this water spilled last year.
  - CUWCD is currently in a NEPA process to refine required instream flows mandated in Sixth Water and Diamond Fork reaches.
  - CUWCD staff noted that there may be between 20-40 cfs in Spanish Fork River that could be captured in winter months and sent to ASR.
    - This could be 6,000 to 12,000 acre-feet per year (AFY).
  - Sixth Water and Diamond Fork required in-stream releases of approximately 8,000 AFY (20 cfs for 200 days) could be considered to be used for ASR.

- ULS/SVP/Provo River/Jordanelle Reservoir Exchange Water

  - CUWCD could potentially free up water for ASR by exchanging ULS water for Provo River water.
  - This concept would substitute Provo River water for ULS supplies that currently are delivered to Salt Lake County.
  - This would use more flexible storage in Jordanelle Reservoir for deliveries to Salt Lake County.

- Wastewater Treatment Plant Reuse Water

    - Treated wastewater effluent that is currently not re-captured could be captured and used for ASR.
    - This water might have to be pumped and conveyed to the infiltration sites.
    - CUWCD could explore exchanges to increase efficiency.

- Canal Enclosure Efficiency

    - Enclosing or piping existing open channels within the study area could create additional supplies that could be used for ASR.
    - The mass balance of these actions can be complicated and will be evaluated in Phase II.
    - Options that could be studied include:
        - Strawberry Highline Canal
        - Salem Canal (~8 miles currently being enclosed by ULS project)
        - South Field Canal
        - East Bench Canal

- ULS/SVP Water

    - Water converted from agriculture to urban use could be used for ASR
    - Cities that currently hold SVP water rights could use that water for ASR
    - Balancing
        - Water that is balanced between cities with ULS/SVP water could be used for ASR.
    - SVP Retiming
        - When water can be delivered from Strawberry Reservoir on an M&I demand pattern, portions of the increase in supply from this action could be used for ASR.

III. Actions for Phase II:

A. Recommend likely water sources that could contribute to ASR.

B. Further refine quantity, timing, and locations of available natural flows and other likely sources to aid infrastructure planning.

C. Infrastructure planning (location of diversions and ASR infiltration basins, hydraulics, existing vs new infrastructure).

D. Evaluate the option of using District water rights in Utah Lake in exchange for natural flow and other non-federal water rights.

    a. NEPA would not have to be evaluated unless federal facilities were used to convey water to ASR infiltration sites.
    b. Determine if other NEPA triggers exist.

Appendix E
Balancing and Retiming

Overview

Appendix E provides conceptual examples of how balancing and retiming of Utah Lake System (ULS) and Strawberry Valley Project (SVP) supplies could be implemented. Balancing and retiming these supplies has the potential to create new sources of water supply that could be used to reduce the amount of potable water shortages among communities in Southern Utah and Juab Counties.

"Balancing" is the use of surplus ULS and SVP supplies from cities in the study area that could be delivered to other cities in the study area that still have shortages.

"Retiming" is the use of storage from the Strawberry Reservoir to make deliveries on a municipal and industrial (M&I) schedule instead of on the historical summer agricultural delivery schedule.

Two examples are provided for perspective on how balancing and retiming could be implemented:

1) An example for a community with a surplus of supplies when compared with demands
2) An example for a community with a shortage of supplies when compared with demands

Example 1: Balancing and Retiming for a Community with a Surplus of Supplies

As shown on Figure E-1, the example community is projected to have available supplies in excess of demands during the summer months of 2065. During the winter months, however, demands are in excess of available supplies, resulting in shortages.

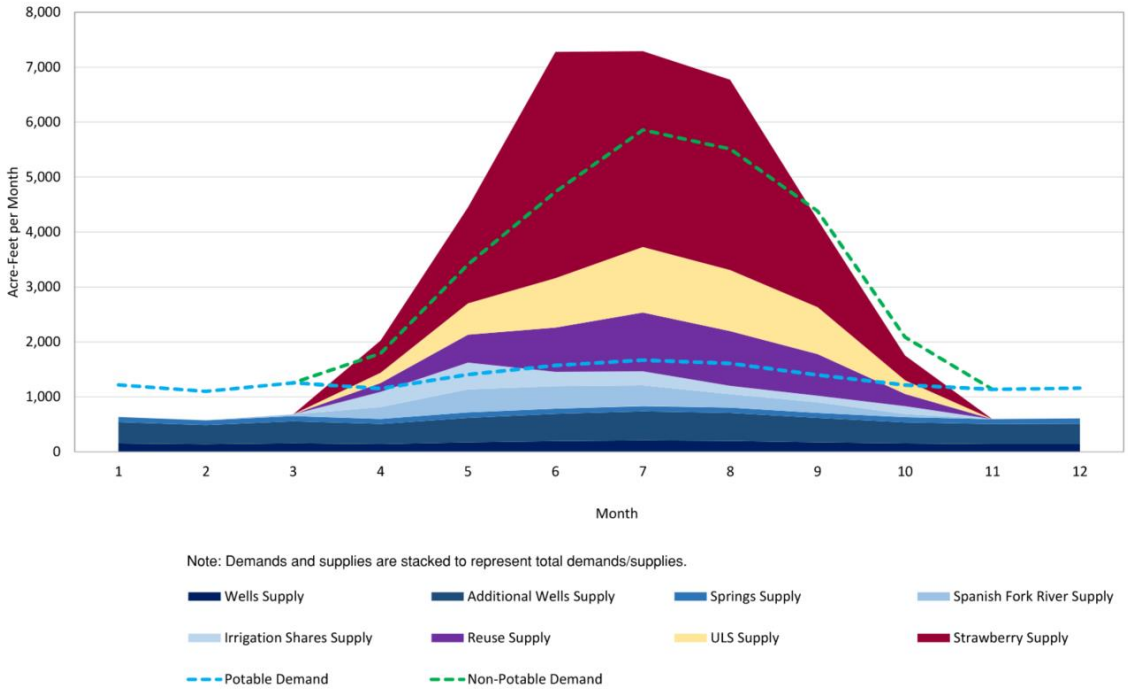


Figure E-1. Supply/Demand Conditions Prior to Balancing and Retiming

In this case, 6,350 acre-feet (AF) of SVP supplies in excess of demands (the red area above the dashed demand line in summer months) could be available for retiming or balancing, as shown on Figure E-2.

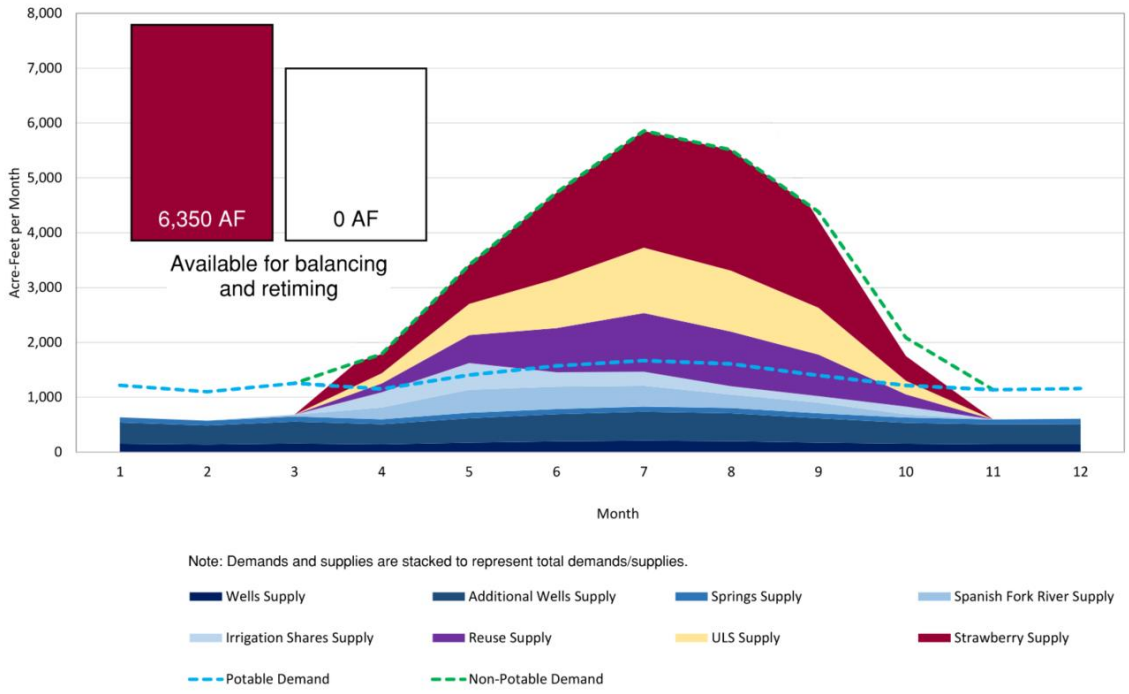


Figure E-2. Supplies Available for Balancing and Retiming

As shown on Figure E-3, 3,100 AF of excess SVP supplies could be retimed to meet the community's winter-month shortages. The remaining 3,250 AF of excess SVP supplies not used for retiming could then potentially be available for balancing and delivered to other communities that may have shortages.

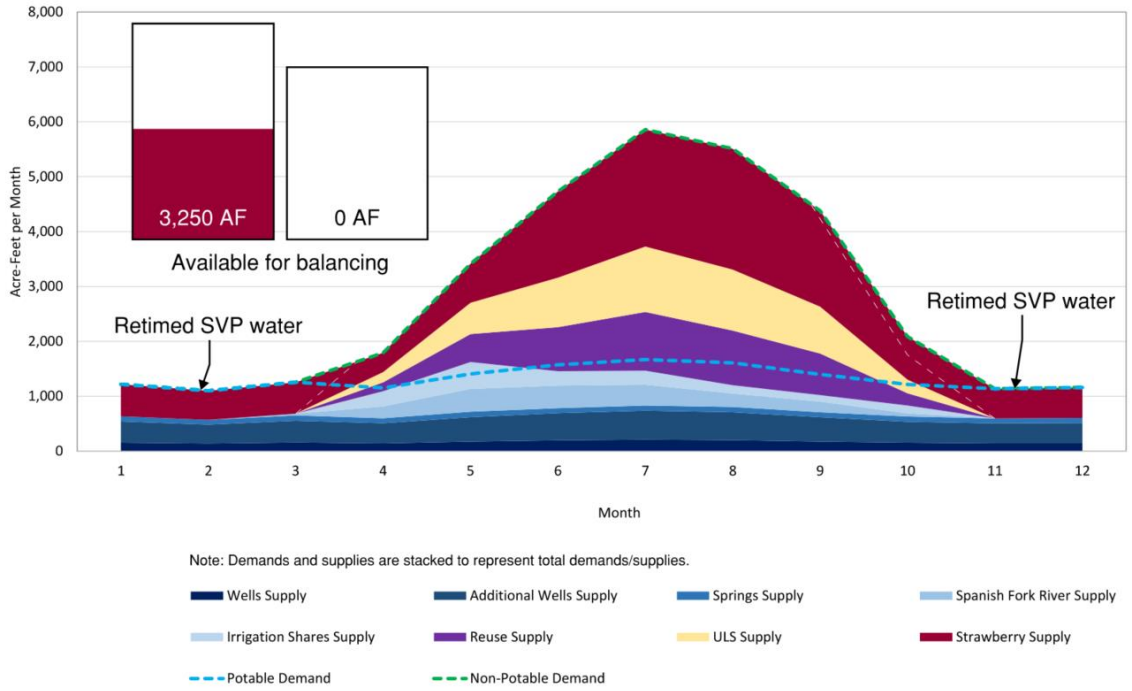


Figure E-3. Excess SVP Supplies Retimed to Meet Shortages during Winter Months

Example 2: Balancing and Retiming for a Community with a Shortage of Supplies

As shown on Figure E-4, the example community is projected to have demands in excess of available supplies during all months of 2065, resulting in a total shortage of 9,720 AF.

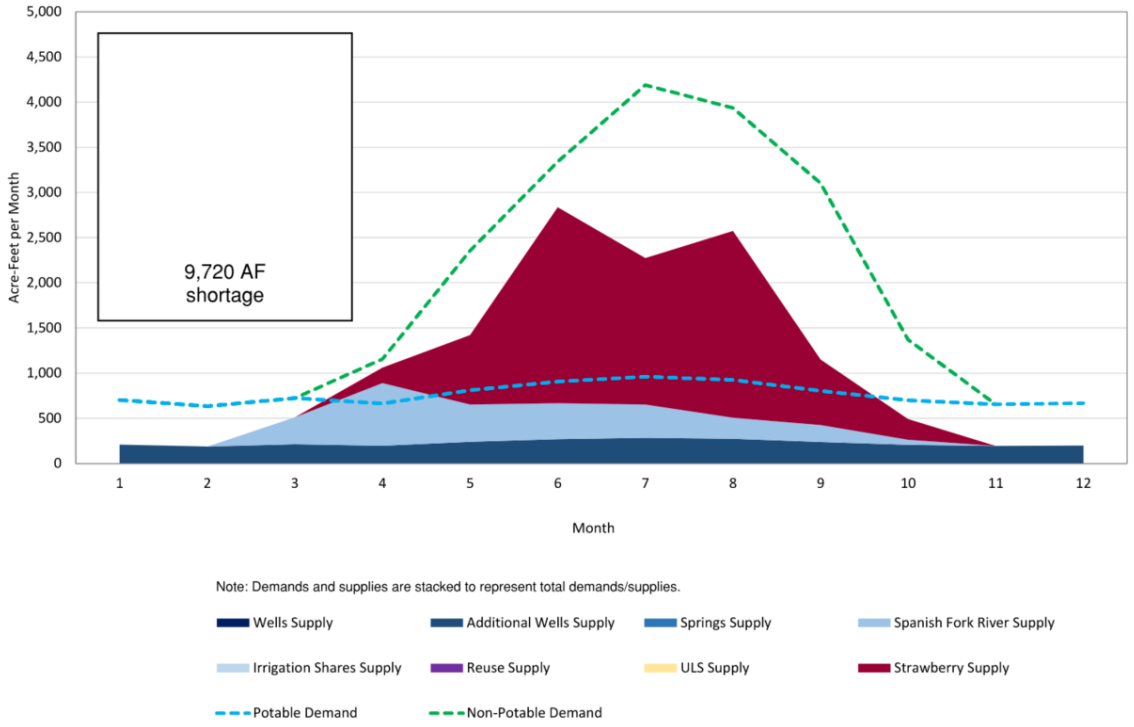


Figure E-4. Supply/Demand Conditions Prior to Balancing and Retiming

However, balanced supplies from communities that may have an excess of available supplies (such as the community described in Example 1) could be delivered to this community to help reduce the shortage. In this case, balanced SVP supplies from other communities could potentially address all of this community's shortages in winter months and some of the shortage in summer months (Figure E-5).

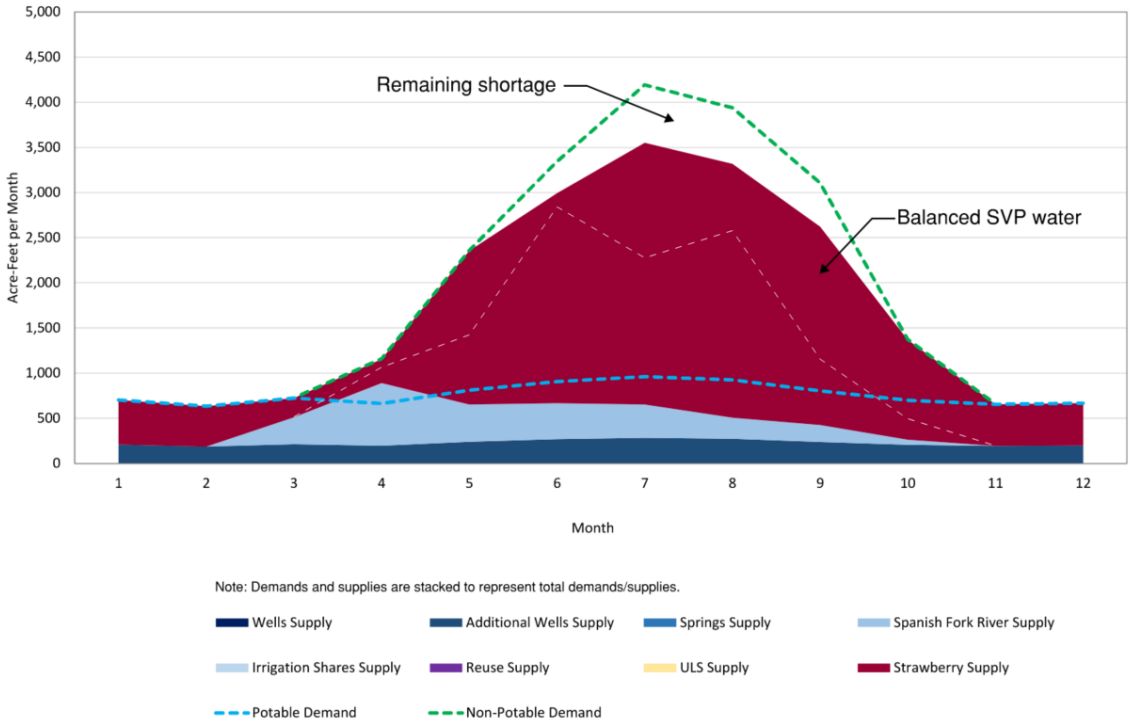


Figure E-5. Supply/Demand Conditions After Balancing and Retiming

Summary

In summary, balancing and retiming ULS and SVP supplies could be a way to better use existing supplies in a way that more closely matches the magnitude and timing of supplies with demands among communities in the study area. As shown on Figure E-6 for Portfolio 7A Alternative, ULS and SVP supplies available for balancing and retiming (represented by the yellow and orange bars) could potentially significantly reduce potable shortages in southern Utah County and Juab County over the study period. It is important to note that in this case, ULS and SVP supplies available for balancing and retiming decrease over time as demands in communities increase and those communities use non-balanced or retimed ULS and SVP supplies to meet their own needs.

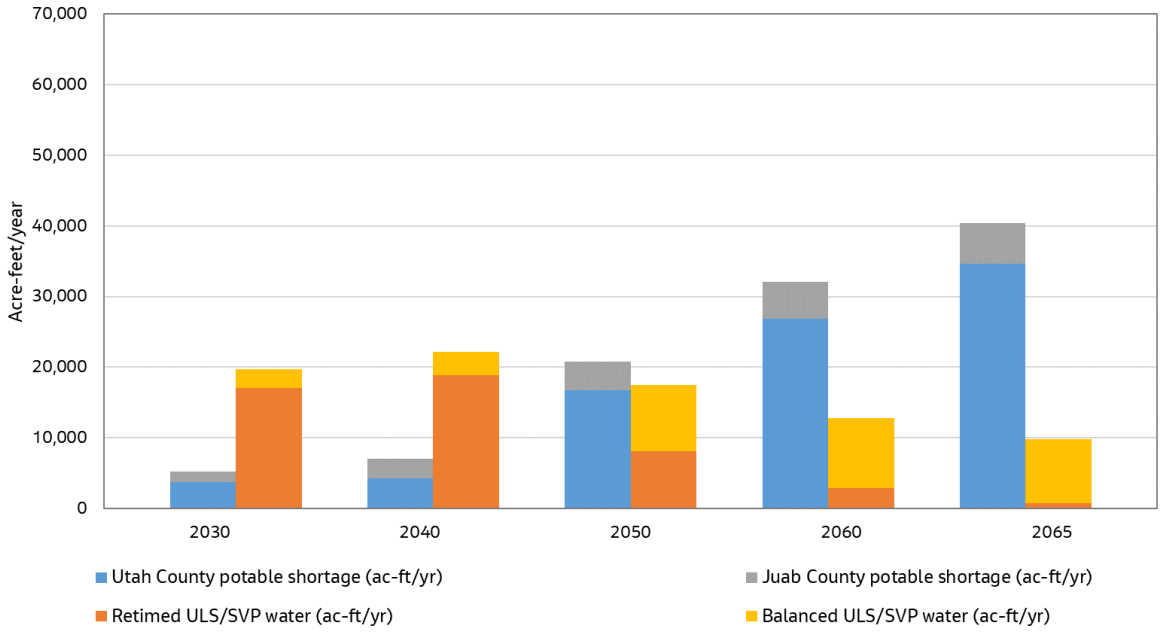


Figure E-6. Portfolio 7A Alternative Potable Shortage

Appendix F
Infrastructure

Contingency 30%

Pump Stations

Identifier	Purpose	Portfolio			Design Flow Rate	Design Flow Rate	Static HGL gain	TDH	Inlet Type	Approximate Power Requirements		Cost
					(MGD)	(cfs)	(ft)	(ft)		(HP)	(kW)	($)
6	Pump from Highline Canal to WTP (does not include flow from ULS line)	7	Baseline	Without balancing, retiming, or ASR	13.8	21	270	297	Screen	1,026	765	$6,300,000
			Alternative		24.6	38	270	287		1,767	1,317	$9,900,000
		7A	Baseline		36.2	56	270	284		2,568	1,915	$13,800,000
			Alternative		47.7	74	270	287		3,420	2,550	$18,000,000
		7	Baseline	With balancing, retiming, and ASR	13.8	21	270	297		1,026	765	$6,300,000
			Alternative		13.3	21	270	286		951	709	$5,900,000
		7A	Baseline		30.8	48	270	284		2,188	1,632	$12,000,000
			Alternative		45.0	70	270	282		3,171	2,364	$16,800,000
7	Pump from Highline Canal to Salem ASR	7	Baseline	With balancing, retiming, and ASR	26	40	20	27	Screen	174	130	$2,100,000
			Alternative		26	40	20	27		174	130	$2,100,000
		7A	Baseline		26	40	20	27		174	130	$2,100,000
			Alternative		26	40	20	27		174	130	$2,100,000
8	Pump from Highline Canal to Santaquin ASR	7	Baseline	With balancing, retiming, and ASR	13	20	112	130	Screen	419	312	$3,300,000
			Alternative		13	20	112	130		419	312	$3,300,000
		7A	Baseline		13	20	112	130		419	312	$3,300,000
			Alternative		13	20	112	130		419	312	$3,300,000
9	Pump from SF River to Salem ASR	7	Baseline	With balancing, retiming, and ASR	26	40	180	286	Screen	1,847	1,377	$10,300,000
			Alternative		26	40	180	286		1,847	1,377	$10,300,000
		7A	Baseline		26	40	180	286		1,847	1,377	$10,300,000
			Alternative		26	40	180	286		1,847	1,377	$10,300,000
9B	Pump from DF and SFR to SFC Pipeline	7	Baseline	With balancing, retiming, and ASR	13	20	580	600	Screen	1,939	1,446	$10,800,000
			Alternative		26	40	580	600		3,878	2,892	$20,200,000
		7A	Baseline		13	20	580	600		1,939	1,446	$10,800,000
			Alternative		26	40	580	600		3,878	2,892	$20,200,000
18B	Pump Station to Juab	7, 7A	Baseline		12	19	220	415	Reservoir	1,291	963	$7,600,000
			Alternative		19	29	220	440		2,080	1,551	$11,500,000

Contingency 30%

Reservoirs

Identifier	Purpose	Portfolio			Capacity (MG)	HWL (ft)	LWL (ft)	Area (acres)	Cost ($)
10	WTP Raw Water Reservoir	7	Baseline	Without balancing, retiming, or ASR	35	5,100	5,080	6	$29,575,000
			Alternative		60			11	$50,700,000
		7A	Baseline		70			13	$59,150,000
			Alternative		100			18	$84,500,000
		7	Baseline	With balancing, retiming, and ASR	35			6	$29,575,000
			Alternative		40			7	$33,800,000
		7A	Baseline		70			13	$59,150,000
			Alternative		85			16	$71,825,000
11	WTP Finished Water Reservoir	7	Baseline	Without balancing, retiming, or ASR	18	5,040	5,020	3	$27,300,000
			Alternative		30			6	$46,800,000
		7A	Baseline		35			6	$54,600,000
			Alternative		50			9	$78,000,000
		7	Baseline	With balancing, retiming, and ASR	18			3	$27,300,000
			Alternative		20			4	$31,200,000
		7A	Baseline		35			6	$54,600,000
			Alternative		43			8	$66,300,000
12	Juab County Finished Water Reservoir	7	Baseline	Without balancing, retiming, or ASR	6	5,100	5,080	1	$9,360,000
			Alternative		10			2	$15,600,000
		7A	Baseline		6			1	$9,360,000
			Alternative		10			2	$15,600,000
		7	Baseline	With balancing, retiming, and ASR	6			1	$9,360,000
			Alternative		10			2	$15,600,000
		7A	Baseline		6			1	$9,360,000
			Alternative		10			2	$15,600,000

Contingency **30%**

Water Treatment Plant

Identifier	Purpose	Portfolio			Capacity (MG)	Cost ($)
1	WTP	7	Baseline	Without balancing, retiming, or ASR	36	$115,240,000
			Alternative		57	$162,940,000
		7A	Baseline		70	$191,331,000
			Alternative		101	$255,522,000
		7	Baseline	With balancing, retiming, and ASR	36	$115,240,000
			Alternative		39	$122,194,000
		7A	Baseline		57	$162,940,000
			Alternative		84	$220,933,000

Contingency 30%

ASR

Identifier	Purpose	Portfolio			Design (MGD)	Design Flow (cfs)	HWL (ft)	LWL (ft)	Area (acres)	Cost ($)
19	Salem Spreading Basin	7	Baseline	With balancing, retiming, and ASR	26	40			16	$2,139,000
			Alternative		26	40			16	$2,139,000
		7A	Baseline		26	40			16	$2,139,000
			Alternative		26	40			16	$2,139,000
20	Santaquin Spreading Basin	7	Baseline	With balancing, retiming, and ASR	13	20			8	$1,069,000
			Alternative		13	20			8	$1,069,000
		7A	Baseline		13	20			8	$1,069,000
			Alternative		13	20			8	$1,069,000
21	Salem Recovery Wells	7	Baseline	With balancing, retiming, and ASR	26	40	NA	NA	NA	$9,336,000
			Alternative		26	40				$9,336,000
		7A	Baseline		26	40				$9,336,000
			Alternative		26	40				$9,336,000
22	Santaquin Recovery Wells	7	Baseline	With balancing, retiming, and ASR	13	20	NA	NA	NA	$4,668,000
			Alternative		13	20				$4,668,000
		7A	Baseline		13	20				$4,668,000
			Alternative		13	20				$4,668,000

Contingency 30%

Turnouts

Identifier	Purpose	Portfolio			Design (MGD)	Design Flow (cfs)	Cost ($)
2	ULS Turnout to WTP	7	Baseline	Without balancing, retiming, or ASR	21	33	$702,614
			Alternative		32	50	$1,005,388
		7A	Baseline		33	51	$1,026,653
			Alternative		53	82	$1,547,035
		7	Baseline	With balancing, retiming, and ASR	21	33	$702,856
			Alternative		26	40	$832,488
		7A	Baseline		39	60	$1,168,314
			Alternative		38	58	$1,144,639
3	Highline Canal Turnout to WTP	7	Baseline	Without balancing, retiming, or ASR	14	21	$512,383
			Alternative		25	38	$798,423
		7A	Baseline		36	56	$1,104,388
			Alternative		48	74	$1,409,281
		7	Baseline	With balancing, retiming, and ASR	14	21	$512,141
			Alternative		13	21	$498,402
		7A	Baseline		31	48	$962,727
			Alternative		45	70	$1,338,756
4	ULS Salem Turnout to ASR	7	Baseline	With balancing, retiming, and ASR	26	40	$830,866
			Alternative		26	40	$830,866
		7A	Baseline		26	40	$830,866
			Alternative		26	40	$830,866
5	ULS Santaquin Turnout to ASR	7	Baseline	With balancing, retiming, and ASR	13	20	$488,524
			Alternative		13	20	$488,524
		7A	Baseline		13	20	$488,524
			Alternative		13	20	$488,524

Contingency 30%

Pipelines

Identifier	Purpose	Portfolio			Design Flow Rate (MGD)				Design Flow Rate (cfs)				Length (ft)				TDH	Pipe Diameter (in)				Cost
					R1	R2	R3	R4	R1	R2	R3	R4	R1	R2	R3	R4	(ft)	R1	R2	R3	R4	($)
13	Raw water pipeline from ULS turnout to near Highline Canal wet well chamber	7	Baseline	Without balancing, retiming, or ASR	21				33				4,752				NA	30				$3,400,000
			Alternative		32				50									36				$4,400,000
		7A	Baseline		33				51									36				$4,400,000
			Alternative		53				82									42				$5,500,000
		7	Baseline	With balancing, retiming, and ASR	21				33									30				$3,400,000
			Alternative		26				40									30				$3,400,000
		7A	Baseline		39				60									36				$4,400,000
			Alternative		38				58									36				$4,400,000
14	Continuation of raw water pipeline from Highline Canal wet well chamber to WTP	7	Baseline	Without balancing, retiming, or ASR	35				54				4,181				see 6	36				$3,900,000
			Alternative		57				88									48				$5,900,000
		7A	Baseline		69				107									54				$7,000,000
			Alternative		101				156									60				$8,200,000
		7	Baseline	With balancing, retiming, and ASR	35				54									36				$3,900,000
			Alternative		39				61									42				$4,800,000
		7A	Baseline		69				107									54				$7,000,000
			Alternative		83				128									60				$8,200,000
15A	Raw water pipeline from SF River at City Dam to Salem ASR	7	Baseline		26				40				19,923				see 9	33				$16,400,000
			Alternative		26				40									33				$16,400,000
		7A	Baseline		26				40									33				$16,400,000
			Alternative		26				40									33				$16,400,000
15B	Raw water pipeline from Highline Canal to Salem ASR	7	Baseline		26				40				1,852				see 7	36				$1,700,000
			Alternative		26				40									36				$1,700,000
		7A	Baseline		26				40									36				$1,700,000
			Alternative		26				40									36				$1,700,000
15C	Diamond Fork Pump Station Pipeline	7	Baseline		13				20				700				see 9B	24				$400,000
			Alternative		26				40									36				$700,000
		7A	Baseline		13				20									24				$400,000
			Alternative		26				40									36				$700,000
16A	Raw water pipeline from ULS to Santaquin ASR	7	Baseline		13				20				5,702				NA	24				$3,100,000
			Alternative		13				20									24				$3,100,000
		7A	Baseline		13				20									24				$3,100,000
			Alternative		13				20									24				$3,100,000
16B	Raw water pipeline from Highline Canal to Santaquin ASR	7	Baseline		13				20				968				see 8	20				$400,000
			Alternative		13				20									20				$400,000
		7A	Baseline		13				20									20				$400,000
			Alternative		13				20									20				$400,000
17	Finished water pipeline from WTP to Goshen	7	Baseline		35	31	15	2	54	48	23	4	5,400	20,680	31,472	31,037	NA	50	48	33	16	$73,000,000
			Alternative		55	48	28	7	85	74	43	11						60	54	42	24	$98,300,000
		7A	Baseline		70	66	15	2	108	102	23	4						66	60	33	16	$88,800,000
			Alternative		98	91	36	16	152	141	56	25						78	72	48	32	$138,400,000
18	Finished water pipeline from Santaquin to Juab County	7, 7A	Baseline		12	7			19	10			64,275	31,037			415	28	22			$57,300,000
			Alternative		19	9			29	14							440	32	26			$69,300,000

6, 13, 14 ULS to SHC to WTP

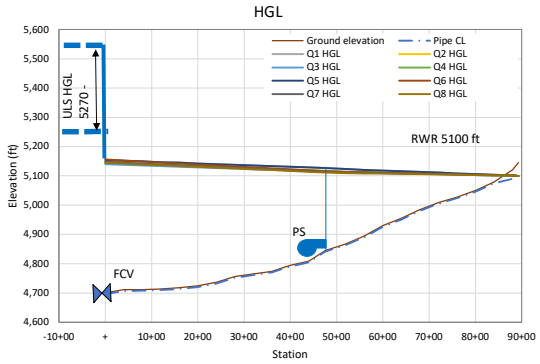
	ULS turnout		SHC wet well		ULS + SHC to WTP		$D_{ULS\ to\ SHC}$			$D_{SHC\ to\ WTP}$			$D_{Pump\ Discharge}$		$TDH_{SHC\ ww}$	Pump
	Q (mgd)	Q (cfs)	Q (mgd)	Q (cfs)	Q (mgd)	Q (cfs)	(in)	(ft)	V (fps)	(in)	(ft)	V (fps)	(in)	V (fps)	(ft)	(hp)
7 Baseline (w/o balancing, retiming, ASR)	21.0	32.5	13.8	21.4	34.8	53.9	30	2.5	6.62	36	3.0	7.63	24	6.81	297	1026
7 Alternative (w/o balancing, retiming, ASR)	32.4	50.2	24.6	38.1	57.1	88.3	36	3.0	7.10	48	4.0	7.03	30	7.76	287	1767
7A Baseline (w/o balancing, retiming, ASR)	33.2	51.4	36.2	56.0	69.4	107.4	36	3.0	7.28	54	4.5	6.75	42	5.82	284	2568
7A Alternative (w/o balancing, retiming, ASR)	52.9	81.8	47.7	73.8	100.6	155.6	42	3.5	8.51	60	5.0	7.93	48	5.87	287	3420
7 Baseline (w/ balancing, retiming, ASR)	21.0	32.5	13.8	21.4	34.8	53.9	30	2.5	6.63	36	3.0	7.63	24	6.81	297	1026
7 Alternative (w/ balancing, retiming, ASR)	25.9	40.1	13.3	20.6	39.2	60.7	30	2.5	8.17	42	3.5	6.31	24	6.55	286	951
7A Baseline (w/ balancing, retiming, ASR)	38.6	59.7	30.8	47.7	69.4	107.4	36	3.0	8.45	54	4.5	6.75	42	4.96	284	2188
7A Alternative (w/ balancing, retiming, ASR)	37.7	58.3	45.0	69.7	82.7	128.0	36	3.0	8.25	60	5.0	6.52	48	5.54	282	3171

Beginning HGL based on ULS: 5362 ft
HW=136 Pigged (ft)
HGL on SF-Sa Pipeline at Sta 236+75 (~9600 S 400 E)
5362 HW=136 Pigged (ft)
5297 DPR HGL (ft)
5270 HW=110 Non-pigged (ft)

RWR elev 5100 C_{HW} 110
SHC elev 4830
$L_{ULS\ to\ SHC}$ 4,752 ft
$L_{SHC\ to\ WTP}$ 4,181 ft

Station	Ground elevation	Pipe CL	Minor Loss	1		2		3		4		5		6		7		8	
				h_L (ft) to next point	Q_1 HGL	h_L (ft) to next point	Q_2 HGL	h_L (ft) to next point	Q_3 HGL	h_L (ft) to next point	Q_4 HGL	h_L (ft) to next point	Q_5 HGL	h_L (ft) to next point	Q_6 HGL	h_L (ft) to next point	Q_7 HGL	h_L (ft) to next point	Q_8 HGL
+	4700	4696	1	0.687	5154.69	0.788	5142.69	0.828	5140.84	1.130	5147.06	0.687	5154.72	1.044	5157.01	1.115	5149.44	1.064	5145.68
+1	4700	4696		2.277	5154.01	2.095	5141.90	2.192	5140.01	2.445	5145.93	2.278	5154.03	3.357	5155.97	2.889	5148.32	2.766	5144.62
4+00	4711	4707		2.281	5151.73	2.099	5139.81	2.196	5137.82	2.450	5143.48	2.283	5151.75	3.365	5152.61	2.895	5145.43	2.772	5141.85
8+00	4712	4708		2.281	5149.45	2.099	5137.71	2.196	5135.62	2.450	5141.03	2.283	5149.47	3.365	5149.25	2.895	5142.54	2.772	5139.08
12+00	4714	4710		2.282	5147.17	2.099	5135.61	2.196	5133.43	2.450	5138.58	2.283	5147.18	3.365	5145.88	2.895	5139.64	2.773	5136.31
16+00	4718	4714		2.282	5144.89	2.099	5133.51	2.197	5131.23	2.450	5136.13	2.284	5144.90	3.365	5142.52	2.896	5136.74	2.773	5133.53
20+00	4724	4720		2.282	5142.61	2.100	5131.41	2.197	5129.03	2.451	5133.68	2.284	5142.62	3.366	5139.15	2.897	5133.85	2.774	5130.76
24+00	4736	4732		2.284	5140.32	2.102	5129.31	2.199	5126.84	2.453	5131.23	2.286	5140.33	3.369	5135.79	2.899	5130.95	2.776	5127.99
28+00	4756	4752		2.282	5138.04	2.100	5127.21	2.197	5124.64	2.451	5128.78	2.284	5138.05	3.365	5132.42	2.896	5128.05	2.773	5125.21
32+00	4765	4761		2.282	5135.76	2.100	5125.11	2.197	5122.44	2.451	5126.33	2.284	5135.76	3.365	5129.05	2.896	5125.16	2.773	5122.44
36+00	4774	4770		2.285	5133.47	2.102	5123.01	2.199	5120.24	2.453	5123.88	2.286	5133.48	3.369	5125.69	2.899	5122.26	2.776	5119.66
40+00	4795	4791		2.283	5131.19	2.100	5120.91	2.198	5118.04	2.452	5121.42	2.285	5131.19	3.367	5122.32	2.897	5119.36	2.774	5116.89
44+00	4809	4805		2.018	5128.91	1.857	5118.80	1.943	5115.85	2.167	5118.97	2.020	5128.91	2.976	5118.95	2.561	5116.46	2.452	5114.11
47+52	4845	4841	1	3.589	5126.89	2.417	5116.95	2.045	5113.90	2.566	5116.80	3.589	5126.89	2.196	5115.98	2.045	5113.90	1.767	5111.66
52+00	4868	4864		2.401	5123.30	1.475	5114.53	1.195	5111.86	1.422	5114.24	2.401	5123.30	1.411	5113.78	1.195	5111.86	0.990	5109.89
56+00	4895	4891		2.404	5120.90	1.478	5113.06	1.197	5110.66	1.424	5112.82	2.404	5120.90	1.413	5112.37	1.197	5110.66	0.991	5108.91
60+00	4930	4926		2.400	5118.50	1.475	5111.58	1.195	5109.47	1.421	5111.39	2.400	5118.50	1.410	5110.96	1.195	5109.47	0.990	5107.91
64+00	4955	4951		2.402	5116.10	1.476	5110.10	1.196	5108.27	1.422	5109.97	2.402	5116.10	1.412	5109.55	1.196	5108.27	0.990	5106.92
68+00	4985	4981		2.399	5113.69	1.475	5108.63	1.194	5107.08	1.421	5108.55	2.399	5113.69	1.410	5108.13	1.194	5107.08	0.989	5105.93
72+00	5009	5005		2.398	5111.29	1.474	5107.15	1.194	5105.88	1.420	5107.13	2.398	5111.29	1.409	5106.72	1.194	5105.88	0.989	5104.94
76+00	5028	5024		2.399	5108.90	1.474	5105.68	1.194	5104.69	1.420	5105.71	2.399	5108.90	1.410	5105.31	1.194	5104.69	0.989	5103.96
80+00	5050	5046		2.401	5106.50	1.476	5104.20	1.195	5103.49	1.422	5104.29	2.401	5106.50	1.411	5103.91	1.195	5103.49	0.990	5102.97
84+00	5079	5075		2.397	5104.10	1.473	5102.73	1.193	5102.30	1.419	5102.87	2.397	5104.10	1.409	5102.49	1.193	5102.30	0.988	5101.98
88+00	5120	5090	1	1.699	5101.70	1.256	5101.26	1.105	5101.10	1.447	5101.45	1.699	5101.70	1.086	5101.09	1.105	5101.10	0.988	5100.99
89+33	5145	5090			5100.00		5100.00		5100.00		5100.00		5100.00		5100.00		5100.00		5100.00

$$h_f = \frac{4.727LQ^{1.852}}{C_h{}^{1.852}D^{4.87}} + K_l\frac{Q^2}{2gA^2}$$



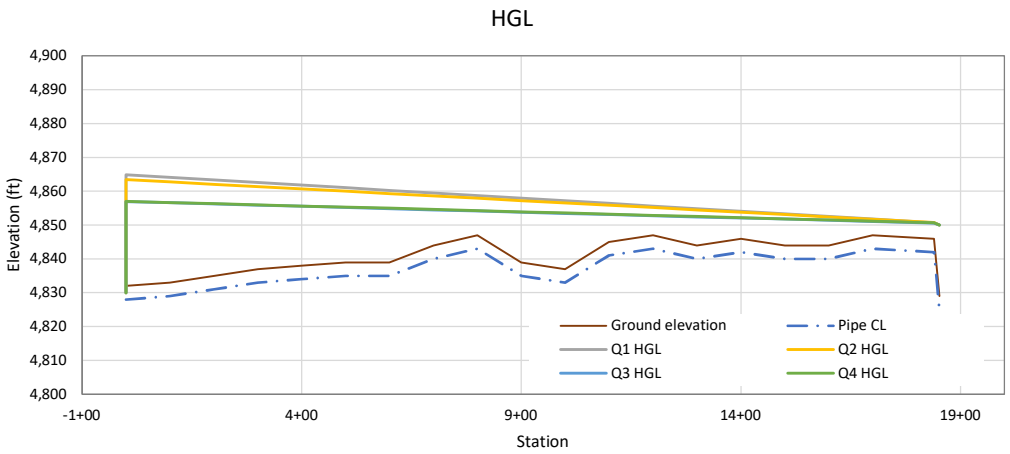
7, 15B SHC to Salem ASR

	Flow (cfs)	Dia (in)	Dia (ft)	Vel (ft/s)	TDH (ft)	hp
7 Baseline	10	18	1.5	5.7	34.9	56.4
7 Alternative	20	24	2.0	6.4	33.4	108.0
7A Baseline	40	36	3.0	5.7	26.9	173.9
7A Alternative	60	42	3.5	6.2	27.0	262.0

$$h_f = \frac{4.727 L Q^{1.852}}{C_h{}^{1.852} D^{4.87}} + K_l \frac{Q^2}{2gA^2}$$

C_{HW}	110
SHC Wet Well elevation	4830 ft
ASR Pond Elevation	4850 ft
Length	1,852 ft

Station	Ground elevation	Pipe CL	Q = 10 cfs		Q = 20 cfs		Q = 40 cfs		Q = 60 cfs	
			h_L (ft) to next point	Q_1 HGL	h_L (ft) to next point	Q_2 HGL	h_L (ft) to next point	Q_3 HGL	h_L (ft) to next point	Q_4 HGL
+	4835			4830		4830		4830		4830
+	4832.0	4828.0	0.008	4864.90	0.007	4863.43	0.003	4856.91	0.003	4857.02
+1	4832.0	4828.0	0.766	4864.89	0.681	4863.43	0.341	4856.91	0.341	4857.02
1+00	4833.0	4829.0	0.773	4864.12	0.688	4862.75	0.345	4856.57	0.345	4856.68
2+00	4835.0	4831.0	0.773	4863.35	0.688	4862.06	0.345	4856.22	0.345	4856.33
3+00	4837.0	4833.0	0.773	4862.58	0.688	4861.37	0.345	4855.88	0.345	4855.99
4+00	4838.0	4834.0	0.773	4861.80	0.688	4860.68	0.345	4855.54	0.345	4855.64
5+00	4839.0	4835.0	0.773	4861.03	0.688	4859.99	0.345	4855.19	0.345	4855.30
6+00	4839.0	4835.0	0.774	4860.25	0.689	4859.31	0.345	4854.85	0.345	4854.95
7+00	4844.0	4840.0	0.774	4859.48	0.688	4858.62	0.345	4854.50	0.345	4854.61
8+00	4847.0	4843.0	0.776	4858.71	0.690	4857.93	0.346	4854.16	0.346	4854.26
9+00	4839.0	4835.0	0.773	4857.93	0.688	4857.24	0.345	4853.81	0.345	4853.92
10+00	4837.0	4833.0	0.776	4857.16	0.690	4856.55	0.346	4853.47	0.346	4853.57
11+00	4845.0	4841.0	0.773	4856.38	0.688	4855.86	0.345	4853.12	0.345	4853.23
12+00	4847.0	4843.0	0.774	4855.61	0.688	4855.17	0.345	4852.78	0.345	4852.88
13+00	4844.0	4840.0	0.773	4854.83	0.688	4854.49	0.345	4852.43	0.345	4852.54
14+00	4846.0	4842.0	0.773	4854.06	0.688	4853.80	0.345	4852.09	0.345	4852.19
15+00	4844.0	4840.0	0.773	4853.29	0.688	4853.11	0.345	4851.74	0.345	4851.85
16+00	4844.0	4840.0	0.774	4852.51	0.688	4852.42	0.345	4851.40	0.345	4851.50
17+00	4847.0	4843.0	1.083	4851.74	0.963	4851.74	0.483	4851.05	0.483	4851.16
18+40	4846.0	4842.0	0.658	4850.66	0.772	4850.77	0.569	4850.57	0.676	4850.68
18+52	4829.0	4825.0		4850.00		4850.00		4850.00		4850.00



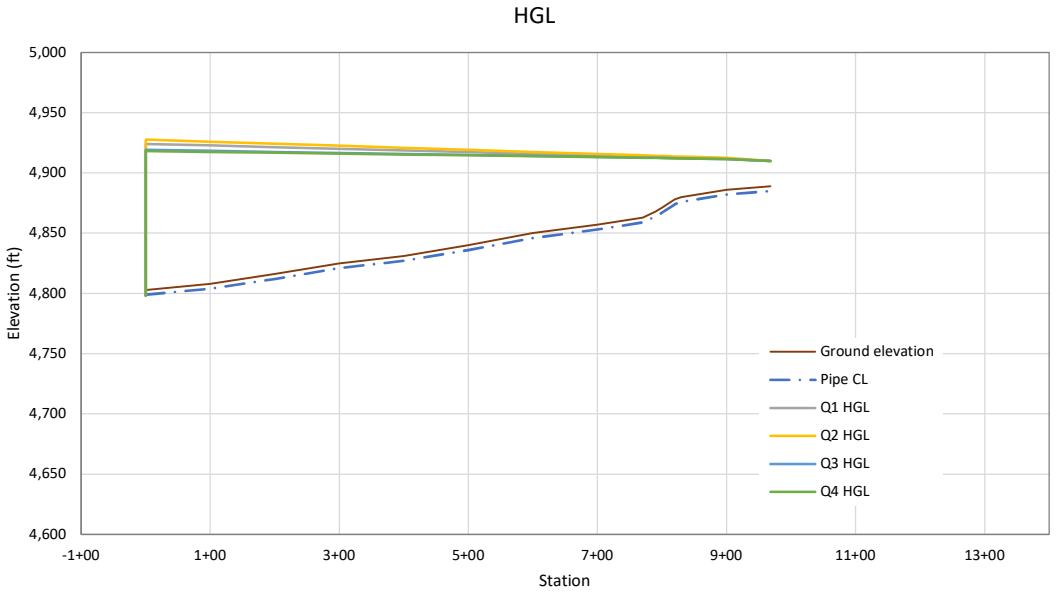
8, 16B SHC to Santaquin ASR

	Flow (cfs)	Dia (in)	Dia (ft)	V (ft/s)	TDH (ft)	hp
7 Baseline	10	16	1.3	7.16	126.2	204
7 Alternative	20	20	1.7	9.17	129.6	419
7A Baseline	40	30	2.5	8.15	121.2	783
7A Alternative	60	36	3.0	8.49	120.2	1166

C_{HW}	110
SHC Wet Well elevation	4798 ft
ASR Pond Elevation	4910 ft
Length	968 ft

Station	Ground elevation	Pipe CL	Q = 10 cfs		Q = 20 cfs		Q = 40 cfs		Q = 60 cfs	
			h_L (ft) to next point	Q_1 HGL	h_L (ft) to next point	Q_2 HGL	h_L (ft) to next point	Q_3 HGL	h_L (ft) to next point	Q_4 HGL
+	4803.0			4798.00		4798.00		4798.00		4798.00
+	4803.0	4799.0	0.014	4924.15	0.017	4927.57	0.008	4919.18	0.007	4918.23
+1	4803.0	4799.0	1.360	4924.14	1.657	4927.55	0.830	4919.17	0.724	4918.22
1+00	4808.0	4804.0	1.377	4922.78	1.677	4925.90	0.840	4918.34	0.733	4917.49
2+00	4816.0	4812.0	1.378	4921.40	1.678	4924.22	0.841	4917.50	0.733	4916.76
3+00	4825.0	4821.0	1.375	4920.02	1.674	4922.54	0.839	4916.66	0.732	4916.03
4+00	4831.0	4827.0	1.378	4918.65	1.678	4920.87	0.841	4915.82	0.733	4915.30
5+00	4840.0	4836.0	1.379	4917.27	1.680	4919.19	0.842	4914.98	0.734	4914.56
6+00	4850.0	4846.0	1.376	4915.89	1.675	4917.51	0.840	4914.14	0.732	4913.83
7+00	4857.0	4853.0	0.964	4914.52	1.174	4915.83	0.588	4913.30	0.513	4913.10
7+70	4863.0	4859.0	0.283	4913.55	0.345	4914.66	0.173	4912.71	0.151	4912.58
7+90	4868.0	4864.0	0.143	4913.27	0.174	4914.32	0.087	4912.54	0.076	4912.43
8+00	4871.0	4867.0	0.291	4913.13	0.354	4914.14	0.177	4912.45	0.155	4912.36
8+20	4878.0	4874.0	0.140	4912.83	0.170	4913.79	0.085	4912.27	0.074	4912.20
8+30	4880.0	4876.0	0.964	4912.69	1.174	4913.62	0.588	4912.19	0.513	4912.13
9+00	4886.0	4882.0	1.731	4911.73	2.442	4912.44	1.601	4911.60	1.616	4911.62
9+68	4889.0	4885.0		4910.00		4910.00		4910.00		4910.00

$$h_f = \frac{4.727LQ^{1.852}}{C_h{}^{1.852}D^{4.87}} + K_l\frac{Q^2}{2gA^2}$$



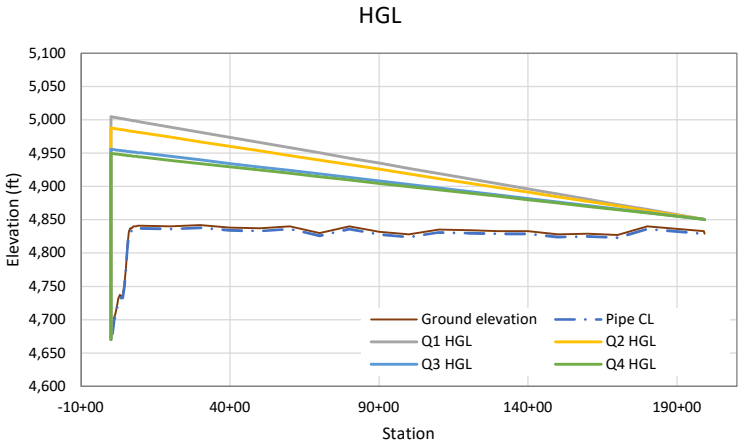
9, 15A SFR to Salem ASR

	Flow (cfs)	Dia (in)	Dia (ft)	V (ft/s)	TDH (ft)	hp
7 Baseline	10	18	1.50	5.66	334.8	541
7 Alternative	20	24	2.00	6.37	317.9	1027
7A Baseline	40	33	2.75	6.73	285.8	1847
7A Alternative	60	39	3.25	7.23	279.5	2710

C_{HW}	110	
Spanish Fork River WSE	4670	ft
ASR pond elevation	4850	ft
Length	19,923	ft

$$h_f = \frac{4.727LQ^{1.852}}{C_h^{1.852}D^{4.87}} + K_l\frac{Q^2}{2gA^2}$$

Station	Ground elevation	Pipe CL	Q = 10 cfs		Q = 20 cfs		Q = 40 cfs		Q = 60 cfs	
			h_L (ft) to next point	Q_1 HGL	h_L (ft) to next point	Q_2 HGL	h_L (ft) to next point	Q_3 HGL	h_L (ft) to next point	Q_4 HGL
+	4679.0			4670.00		4670.00		4670.00		4670.00
+	4679.0	4675.0	0.008	5004.80	0.007	4987.85	0.005	4955.76	0.005	4949.49
+1	4679.0	4675.0	0.380	5004.79	0.338	4987.85	0.259	4955.75	0.243	4949.48
+50	4683.0	4679.0	0.414	5004.41	0.368	4987.51	0.282	4955.49	0.265	4949.24
1+00	4702.0	4698.0	0.390	5004.00	0.347	4987.14	0.266	4955.21	0.250	4948.97
1+50	4709.0	4705.0	0.398	5003.61	0.354	4986.79	0.271	4954.94	0.254	4948.72
2+00	4721.0	4717.0	0.396	5003.21	0.352	4986.44	0.270	4954.67	0.253	4948.47
2+50	4732.0	4728.0	0.389	5002.82	0.346	4986.09	0.265	4954.40	0.248	4948.22
3+00	4737.0	4733.0	0.387	5002.43	0.344	4985.74	0.263	4954.14	0.247	4947.97
3+50	4734.0	4733.0	0.387	5002.04	0.344	4985.40	0.263	4953.88	0.247	4947.72
4+00	4737.0	4733.0	0.406	5001.65	0.361	4985.05	0.276	4953.61	0.260	4947.47
4+50	4753.0	4749.0	0.432	5001.25	0.384	4984.69	0.294	4953.34	0.276	4947.21
5+00	4778.0	4774.0	0.455	5000.81	0.405	4984.31	0.310	4953.04	0.291	4946.94
5+50	4809.0	4805.0	0.426	5000.36	0.379	4983.90	0.290	4952.73	0.272	4946.65
6+00	4832.0	4828.0	0.389	4999.93	0.346	4983.53	0.265	4952.44	0.248	4946.37
6+50	4837.0	4833.0	0.387	4999.55	0.344	4983.18	0.263	4952.18	0.247	4946.13
7+00	4837.0	4833.0	0.387	4999.16	0.344	4982.84	0.264	4951.92	0.248	4945.88
7+50	4840.0	4836.0	0.387	4998.77	0.344	4982.49	0.263	4951.65	0.247	4945.63
8+00	4840.0	4836.0	0.387	4998.39	0.344	4982.15	0.263	4951.39	0.247	4945.38
8+50	4840.0	4836.0	0.387	4998.00	0.344	4981.80	0.263	4951.13	0.247	4945.14
9+00	4841.0	4837.0	0.387	4997.61	0.344	4981.46	0.263	4950.86	0.247	4944.89
9+50	4841.0	4837.0	0.387	4997.23	0.344	4981.12	0.263	4950.60	0.247	4944.64
10+00	4841.0	4837.0	7.733	4996.84	6.877	4980.77	5.265	4950.34	4.945	4944.39
20+00	4840.0	4836.0	7.733	4989.11	6.877	4973.90	5.265	4945.07	4.945	4939.45
30+00	4842.0	4838.0	7.733	4981.37	6.877	4967.02	5.265	4939.81	4.945	4934.50
40+00	4838.0	4834.0	7.733	4973.64	6.877	4960.14	5.265	4934.54	4.945	4929.56
50+00	4837.0	4833.0	7.733	4965.91	6.877	4953.26	5.265	4929.28	4.945	4924.61
60+00	4840.0	4836.0	7.734	4958.17	6.878	4946.39	5.265	4924.01	4.946	4919.67
70+00	4830.0	4826.0	7.734	4950.44	6.878	4939.51	5.265	4918.75	4.946	4914.72
80+00	4840.0	4836.0	7.733	4942.70	6.878	4932.63	5.265	4913.48	4.945	4909.78
90+00	4832.0	4828.0	7.733	4934.97	6.877	4925.75	5.265	4908.22	4.945	4904.83
100+00	4828.0	4824.0	7.733	4927.24	6.877	4918.88	5.265	4902.95	4.945	4899.89
110+00	4835.0	4831.0	7.733	4919.50	6.877	4912.00	5.265	4897.69	4.945	4894.94
120+00	4834.0	4830.0	7.733	4911.77	6.877	4905.12	5.265	4892.42	4.945	4890.00
130+00	4833.0	4829.0	7.733	4904.04	6.877	4898.24	5.265	4887.16	4.945	4885.05
140+00	4833.0	4829.0	7.733	4896.30	6.877	4891.37	5.265	4881.89	4.945	4880.11
150+00	4828.0	4824.0	7.733	4888.57	6.877	4884.49	5.265	4876.63	4.945	4875.16
160+00	4829.0	4825.0	7.733	4880.84	6.877	4877.61	5.265	4871.36	4.945	4870.21
170+00	4827.0	4823.0	7.734	4873.10	6.878	4870.73	5.265	4866.10	4.946	4865.27
180+00	4840.0	4836.0	14.693	4865.37	13.067	4863.86	10.003	4860.83	9.396	4860.32
199+00	4833.0	4829.0	0.678	4850.68	0.790	4850.79	0.827	4850.83	0.928	4850.93
199+23	4829.0	4825.0		4850.00		4850.00		4850.00		4850.00



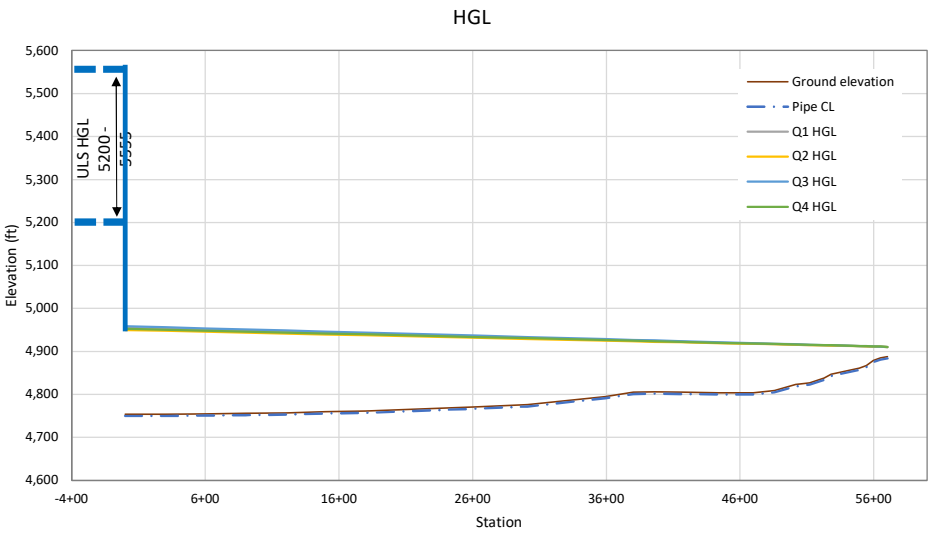
16A ULS to Santaquin ASR

	Flow (cfs)	Dia (in)	Dia (ft)	V (ft/s)	TDH (ft)	hp
7 Baseline	10	**18**	1.5	5.66	156.6	253
7 Alternative	20	**24**	2.0	6.37	151.9	491
7A Baseline	40	**30**	2.5	8.15	160.8	1039
7A Alternative	60	**36**	3.0	8.49	154.8	1501

C_{HW}	110	
SHC Wet Well elevation	**4798**	ft
ASR Pond Elevation	**4910**	ft
Length	5,702	ft

$$h_f = \frac{4.727LQ^{1.852}}{C_h^{1.852}D^{4.87}} + K_l\frac{Q^2}{2gA^2}$$

Station	Ground elevation	Pipe CL	Q = 10 cfs		Q = 20 cfs		Q = 40 cfs		Q = 60 cfs	
			h_L (ft) to next point	Q_1 HGL	h_L (ft) to next point	Q_2 HGL	h_L (ft) to next point	Q_3 HGL	h_L (ft) to next point	Q_4 HGL
+	4754.0									
+	4754.0	4750.0	0.008	4954.64	0.007	4949.88	0.008	4958.83	0.007	4952.80
+1	4754.0	4750.0	2.312	4954.63	2.056	4949.88	2.504	4958.82	2.183	4952.79
3+00	4754.0	4750.0	2.320	4952.32	2.063	4947.82	2.512	4956.32	2.191	4950.61
6+00	4755.0	4751.0	2.320	4950.00	2.063	4945.76	2.512	4953.81	2.191	4948.42
9+00	4756.0	4752.0	2.320	4947.68	2.063	4943.69	2.512	4951.29	2.191	4946.23
12+00	4757.0	4753.0	2.320	4945.36	2.063	4941.63	2.513	4948.78	2.191	4944.04
15+00	4760.0	4756.0	2.320	4943.04	2.063	4939.57	2.512	4946.27	2.191	4941.85
18+00	4761.0	4757.0	6.419	4940.72	5.709	4937.50	6.952	4943.76	6.062	4939.66
26+30	4771.0	4767.0	2.936	4934.30	2.611	4931.80	3.179	4936.81	2.772	4933.59
30+10	4776.0	4772.0	4.494	4931.36	3.996	4929.18	4.867	4933.63	4.244	4930.82
35+90	4795.0	4791.0	1.635	4926.87	1.454	4925.19	1.771	4928.76	1.544	4926.58
38+02	4805.0	4801.0	1.225	4925.23	1.089	4923.73	1.327	4926.99	1.157	4925.03
39+60	4806.0	4802.0	1.633	4924.01	1.453	4922.64	1.769	4925.66	1.542	4923.88
41+71	4805.0	4801.0	2.042	4922.37	1.816	4921.19	2.211	4923.89	1.928	4922.33
44+35	4804.0	4800.0	2.042	4920.33	1.816	4919.38	2.211	4921.68	1.928	4920.41
46+99	4804.0	4800.0	1.226	4918.29	1.090	4917.56	1.327	4919.47	1.157	4918.48
48+58	4809.0	4805.0	1.230	4917.07	1.094	4916.47	1.332	4918.14	1.161	4917.32
50+16	4823.0	4819.0	0.817	4915.84	0.727	4915.38	0.885	4916.81	0.772	4916.16
51+22	4827.0	4823.0	0.821	4915.02	0.730	4914.65	0.889	4915.93	0.775	4915.39
52+27	4838.0	4834.0	0.414	4914.20	0.368	4913.92	0.449	4915.04	0.391	4914.61
52+80	4847.0	4843.0	1.637	4913.78	1.456	4913.55	1.773	4914.59	1.546	4914.22
54+91	4861.0	4857.0	0.411	4912.15	0.365	4912.10	0.445	4912.82	0.388	4912.68
55+44	4867.0	4863.0	0.419	4911.74	0.372	4911.73	0.453	4912.37	0.395	4912.29
55+97	4879.0	4875.0	0.411	4911.32	0.365	4911.36	0.445	4911.92	0.388	4911.89
56+50	4885.0	4881.0	0.906	4910.91	0.993	4910.99	1.474	4911.47	1.505	4911.51
57+02	4888.0	4884.0		4910.00		4910.00		4910.00		4910.00



17 Finished Water Pipeline from WTP to Goshen

	Flow (cfs)				Dia (in)				Dia (ft)				Velocity (ft/s)				Costs
	$Q_{Reach\ 1}$	$Q_{Reach\ 2}$	$Q_{Reach\ 3}$	$Q_{Reach\ 4}$	$D_{Reach\ 1}$	$D_{Reach\ 2}$	$D_{Reach\ 3}$	$D_{Reach\ 4}$	$D_{Reach\ 1}$	$D_{Reach\ 2}$	$D_{Reach\ 3}$	$D_{Reach\ 4}$	$V_{Reach\ 1}$	$V_{Reach\ 2}$	$V_{Reach\ 3}$	$V_{Reach\ 4}$	
7 Baseline	54	48	23	4	50	48	33	16	4.17	4.00	2.75	1.33	4.0	3.8	3.9	2.7	$ 56,186,797
7 Alternative	85	74	43	11	60	54	42	24	5.00	4.50	3.50	2.00	4.3	4.7	4.4	3.6	$ 75,610,931
7A Baseline	108	102	23	4	66	60	33	16	5.50	5.00	2.75	1.33	4.5	5.2	3.9	2.7	$ 68,278,338
7A Alternative	152	141	56	25	78	72	48	32	6.50	6.00	4.00	2.67	4.6	5.0	4.5	4.5	$ 106,494,236

C_{HW} 110

WTP finished water level 5040 ft

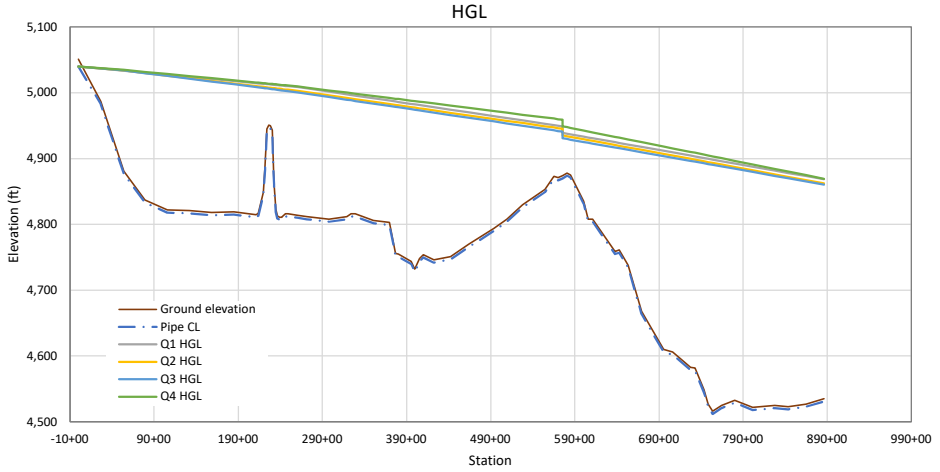
Head loss into Santa. FWS 10 ft

$$h_f = \frac{4.727LQ^{1.852}}{C_h{}^{1.852}D^{4.87}} + K_l\frac{Q^2}{2gA^2}$$

Lengths

Reach 1	5,400	ft
Reach 2	20,680	ft
Reach 3	31,472	ft
Reach 4	31,037	ft
total	16.78	miles

	Station	Ground elevation	Pipe CL	7 Baseline h_L (ft) to next point	7 Baseline Q_1 HGL	7 Alternative h_L (ft) to next point	7 Alternative Q_2 HGL	7A Baseline h_L (ft) to next point	7A Baseline Q_3 HGL	7A Alternative h_L (ft) to next point	7A Alternative Q_4 HGL
	+	5051.0	5040.0	0.001	5040.00	0.001	5040.00	0.001	5040.00	0.001	5040.00
	+1	5051.0	5040.0	3.216	5040.00	3.028	5040.00	2.972	5040.00	2.495	5040.00
0.50	26+40	4987.0	4983.0	3.365	5036.78	3.168	5036.97	3.110	5037.03	2.611	5037.50
1.02	54+00	4881.0	4877.0	3.011	5033.42	3.768	5033.80	4.058	5033.92	3.076	5034.89
1.50	79+20	4837.0	4833.0	3.154	5030.41	3.947	5030.03	4.250	5029.86	3.222	5031.82
2.00	105+60	4822.0	4818.0	3.154	5027.25	3.947	5026.09	4.250	5025.61	3.222	5028.60
2.50	132+00	4821.0	4817.0	3.154	5024.10	3.947	5022.14	4.250	5021.36	3.222	5025.37
3.00	158+40	4818.0	4814.0	3.154	5020.94	3.947	5018.19	4.250	5017.11	3.222	5022.15
3.50	184+80	4819.0	4815.0	3.154	5017.79	3.947	5014.25	4.250	5012.86	3.222	5018.93
4.00	211+20	4815.0	4811.0	0.315	5014.64	0.395	5010.30	0.425	5008.61	0.322	5015.71
4.05	213+84	4817.0	4813.0	0.695	5014.32	0.870	5009.91	0.936	5008.18	0.710	5015.39
4.16	219+65	4849.0	4845.0	0.256	5013.63	0.321	5009.04	0.345	5007.25	0.262	5014.68
4.20	221+76	4887.0	4883.0	0.262	5013.37	0.327	5008.72	0.353	5006.90	0.267	5014.41
4.24	223+87	4945.0	4941.0	0.316	5013.11	0.395	5008.39	0.425	5006.55	0.322	5014.15
4.29	226+51	4951.0	4947.0	0.189	5012.79	0.237	5007.99	0.255	5006.12	0.193	5013.82
4.32	228+10	4950.0	4946.0	0.252	5012.60	0.316	5007.76	0.340	5005.87	0.258	5013.63
4.36	230+21	4943.0	4939.0	0.269	5012.35	0.337	5007.44	0.362	5005.53	0.275	5013.37
4.40	232+32	4865.0	4861.0	0.257	5012.08	0.322	5007.11	0.347	5005.17	0.263	5013.10
4.44	234+43	4823.0	4819.0	0.253	5011.82	0.316	5006.78	0.340	5004.82	0.258	5012.83
4.48	236+54	4813.0	4809.0	0.315	5011.57	0.395	5006.47	0.425	5004.48	0.322	5012.58
4.53	239+18	4811.0	4807.0	0.297	5011.26	0.372	5006.07	0.400	5004.05	0.303	5012.25
4.58	241+67	4811.0	4807.0	0.079	5010.96	0.099	5005.70	0.106	5003.65	0.081	5011.95
4.59	242+33	4812.0	4808.0	0.435	5010.88	0.544	5005.60	0.586	5003.55	0.444	5011.87
4.66	245+97	4816.0	4812.0	0.358	5010.44	0.448	5005.06	0.483	5002.96	0.366	5011.43
4.72	248+97	4816.0	4812.0	1.413	5010.09	1.768	5004.61	1.905	5002.48	1.444	5011.06
4.94	260+80	4814.0	4810.0	2.002	5008.67	1.933	5002.84	2.002	5000.57	1.697	5009.62
5.14	271+37	4812.0	4808.0	5.001	5006.67	4.829	5000.91	5.001	4998.57	4.239	5007.92
5.64	297+77	4808.0	4804.0	4.016	5001.67	3.877	4996.08	4.016	4993.57	3.404	5003.68
6.04	318+97	4812.0	4808.0	0.985	4997.65	0.951	4992.20	0.985	4989.55	0.835	5000.28
6.14	324+17	4816.0	4812.0	0.909	4996.67	0.878	4991.25	0.909	4988.57	0.771	4999.44
6.23	328+97	4816.0	4812.0	4.092	4995.76	3.951	4990.37	4.092	4987.66	3.468	4998.67
6.64	350+57	4806.0	4802.0	3.605	4991.67	3.481	4986.42	3.605	4983.57	3.055	4995.20
7.00	369+60	4803.0	4799.0	1.403	4988.06	1.355	4982.94	1.403	4979.96	1.189	4992.15
7.14	376+99	4756.0	4752.0	0.600	4986.66	0.579	4981.59	0.600	4978.56	0.509	4990.96
7.20	380+16	4755.0	4751.0	2.901	4986.06	2.801	4981.01	2.901	4977.96	2.458	4990.45
7.49	395+47	4744.0	4740.0	0.800	4983.16	0.773	4978.21	0.800	4975.06	0.678	4987.99
7.57	399+70	4732.0	4728.0	1.101	4982.36	1.063	4977.43	1.101	4974.26	0.933	4987.31
7.68	405+50	4748.0	4744.0	0.800	4981.26	0.773	4976.37	0.800	4973.16	0.678	4986.38
7.76	409+73	4754.0	4750.0	2.400	4980.46	2.318	4975.60	2.400	4972.36	2.035	4985.70
8.00	422+40	4746.0	4742.0	3.801	4978.06	3.670	4973.28	3.801	4969.96	3.221	4983.67
8.38	442+46	4751.0	4747.0	4.101	4974.26	3.960	4969.61	4.101	4966.16	3.476	4980.45
8.79	464+11	4770.0	4766.0	5.601	4970.16	5.408	4965.65	5.601	4962.06	4.747	4976.97
9.35	493+68	4794.0	4790.0	2.901	4964.56	2.801	4960.24	2.901	4956.46	2.458	4972.22
9.64	508+99	4808.0	4804.0	3.601	4961.66	3.477	4957.44	3.601	4953.56	3.052	4969.76
10.00	528+00	4830.0	4826.0	5.001	4958.05	4.829	4953.97	5.001	4949.95	4.239	4966.71
10.50	554+40	4853.0	4849.0	2.001	4953.05	1.932	4949.14	2.001	4944.95	1.696	4962.47
10.70	564+96	4873.0	4869.0	1.000	4951.05	0.966	4947.21	1.000	4942.95	0.848	4960.78
10.80	570+24	4871.0	4867.0	1.000	4950.05	0.966	4946.24	1.000	4941.95	0.848	4959.93
10.90	575+52	4874.0	4870.0	10.000	4949.05	10.000	4945.27	10.000	4940.95	10.000	4959.08



10.90	575+52	4874.0	4870.0	1.198	4939.05	1.243	4935.27	1.198	4930.95	1.355	4949.08
11.00	580+80	4878.0	4874.0	0.900	4937.85	0.935	4934.03	0.900	4929.76	1.019	4947.73
11.08	584+77	4875.0	4871.0	3.594	4936.95	3.731	4933.10	3.594	4928.85	4.066	4946.71
11.38	600+61	4835.0	4831.0	1.199	4933.36	1.245	4929.37	1.199	4925.26	1.357	4942.64
11.48	605+89	4808.0	4804.0	1.198	4932.16	1.243	4928.12	1.198	4924.06	1.355	4941.29
11.58	611+17	4808.0	4804.0	5.989	4930.96	6.217	4926.88	5.989	4922.86	6.775	4939.93
12.08	637+57	4759.0	4755.0	1.198	4924.98	1.243	4920.66	1.198	4916.88	1.355	4933.16
12.18	642+85	4761.0	4757.0	2.396	4923.78	2.487	4919.42	2.396	4915.68	2.710	4931.80
12.38	653+41	4738.0	4734.0	3.596	4921.38	3.733	4916.93	3.596	4913.28	4.068	4929.09
12.68	669+25	4668.0	4664.0	5.989	4917.79	6.218	4913.20	5.989	4909.69	6.775	4925.02
13.18	695+65	4610.0	4606.0	2.395	4911.80	2.486	4906.98	2.395	4903.70	2.710	4918.25
13.38	706+21	4606.0	4602.0	4.790	4909.40	4.973	4904.49	4.790	4901.30	5.419	4915.54
13.78	727+33	4583.0	4579.0	1.198	4904.61	1.243	4899.52	1.198	4896.51	1.355	4910.12
13.88	732+61	4582.0	4578.0	2.396	4903.41	2.488	4898.28	2.396	4895.32	2.711	4908.77
14.08	743+17	4549.0	4545.0	1.199	4901.02	1.244	4895.79	1.199	4892.92	1.356	4906.05
14.18	748+45	4527.0	4523.0	1.198	4899.82	1.244	4894.54	1.198	4891.72	1.355	4904.70
14.28	753+73	4516.0	4512.0	2.395	4898.62	2.487	4893.30	2.395	4890.52	2.710	4903.34
14.48	764+29	4525.0	4521.0	3.593	4896.23	3.730	4890.81	3.593	4888.13	4.064	4900.63
14.78	780+13	4533.0	4529.0	4.790	4892.63	4.973	4887.08	4.790	4884.53	5.419	4896.57
15.18	801+25	4522.0	4518.0	5.988	4887.84	6.216	4882.11	5.988	4879.74	6.774	4891.15
15.68	827+65	4525.0	4521.0	3.593	4881.86	3.730	4875.89	3.593	4873.76	4.064	4884.38
15.98	843+49	4523.0	4519.0	4.790	4878.26	4.973	4872.16	4.790	4870.16	5.419	4880.31
16.38	864+61	4527.0	4523.0	4.826	4873.47	5.011	4867.19	4.826	4865.37	5.460	4874.89
16.78	885+89	4535.0	4531.0		4868.65		4862.18		4860.55		4869.43

18 Finished water pipeline from Santaquin to Juab County

	Flow (cfs)		Dia (in)		Dia (ft)		Velocity (ft/s)		TDH (ft)
	$Q_{Reach\ 1}$	$Q_{Reach\ 2}$	$D_{Reach\ 1}$	$D_{Reach\ 2}$	$D_{Reach\ 1}$	$D_{Reach\ 2}$	$V_{Reach\ 1}$	$V_{Reach\ 2}$	
7, 7A Baseline	19	10	**28**	**22**	2.33	1.83	4.50	3.95	**415**
7, 7A Alternative	29	14	**32**	**26**	2.67	2.17	5.24	3.84	**440**

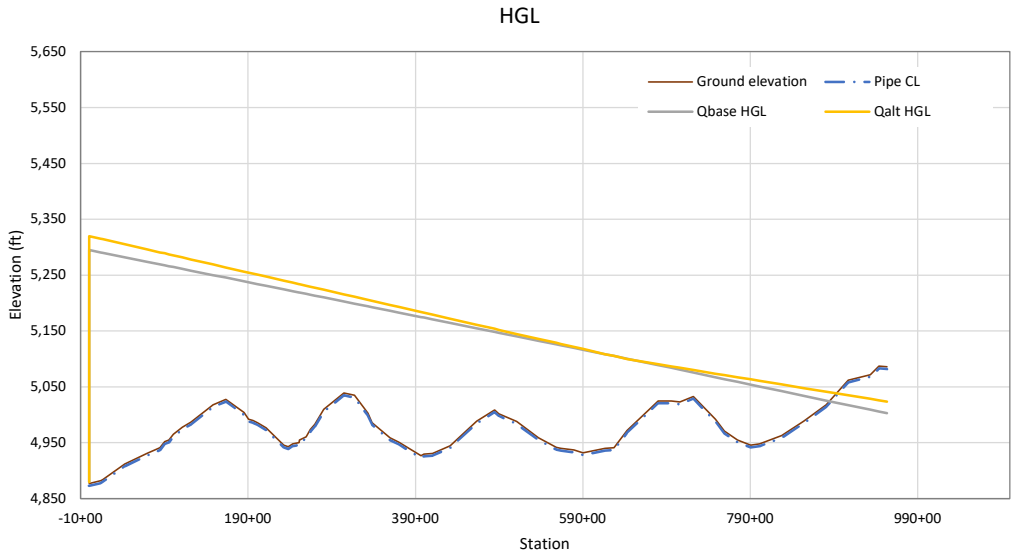
C_{HW}	110	
Booster pump station elev	**4880**	ft
Finished water WSE at Mona	**5100**	ft

Lengths

Reach 1	64,275	ft from Santaquin to Mona
Reach 2	31,037	ft from Mona to Nephi

	Station	Ground elevation	Pipe CL	Baseline h_L (ft) to next point	Baseline Q_{base} HGL	Alternative h_L (ft) to next point	Alternative Q_{alt} HGL
	+	4877.0	4873.0	0.003	4880.00	0.003	4880.00
	+1	4877.0	4873.0	4.183	5295.00	4.739	5320.00
	13+84	4882.0	4878.0	0.738	5290.81	0.836	5315.26
0.31	16+28	4884.0	4880.0	7.985	5290.08	9.047	5314.42
0.81	42+68	4912.0	4908.0	7.984	5282.09	9.047	5305.37
1.31	69+08	4931.0	4927.0	4.791	5274.11	5.428	5296.33
1.61	84+92	4941.0	4937.0	1.597	5269.32	1.810	5290.90
1.71	90+20	4952.0	4948.0	1.597	5267.72	1.809	5289.09
1.81	95+48	4955.0	4951.0	1.597	5266.12	1.810	5287.28
1.91	100+76	4965.0	4961.0	3.194	5264.53	3.619	5285.47
2.11	111+32	4978.0	4974.0	3.194	5261.33	3.619	5281.85
2.31	121+88	4987.0	4983.0	7.985	5258.14	9.047	5278.23
2.81	148+28	5018.0	5014.0	4.631	5250.15	5.247	5269.19
3.10	163+59	5028.0	5024.0	6.547	5245.52	7.418	5263.94
3.51	185+24	5004.0	5000.0	1.597	5238.98	1.810	5256.52
3.61	190+52	4992.0	4988.0	1.597	5237.38	1.809	5254.71
3.71	195+80	4990.0	4986.0	1.597	5235.78	1.809	5252.90
3.81	201+08	4986.0	4982.0	3.194	5234.18	3.619	5251.09
4.01	211+64	4977.0	4973.0	6.388	5230.99	7.238	5247.48
4.41	232+76	4946.0	4942.0	1.597	5224.60	1.809	5240.24
4.51	238+04	4943.0	4939.0	1.597	5223.01	1.809	5238.43
4.61	243+32	4948.0	4944.0	2.236	5221.41	2.533	5236.62
4.75	250+71	4950.0	4946.0	0.160	5219.17	0.182	5234.09
4.76	251+24	4955.0	4951.0	2.395	5219.01	2.714	5233.90
4.91	259+16	4961.0	4957.0	1.597	5216.62	1.810	5231.19
5.01	264+44	4974.0	4970.0	1.597	5215.02	1.810	5229.38
5.11	269+72	4983.0	4979.0	3.195	5213.42	3.620	5227.57
5.31	280+28	5010.0	5006.0	7.346	5210.23	8.323	5223.95
5.77	304+57	5039.0	5035.0	3.832	5202.88	4.342	5215.63
6.01	317+24	5035.0	5031.0	4.791	5199.05	5.429	5211.29
6.31	333+08	5003.0	4999.0	1.598	5194.26	1.810	5205.86
6.41	338+36	4986.0	4982.0	6.388	5192.66	7.238	5204.05
6.81	359+48	4959.0	4955.0	3.194	5186.27	3.619	5196.81
7.01	370+04	4951.0	4947.0	7.984	5183.08	9.047	5193.19
7.51	396+44	4927.0	4923.0	1.037	5175.10	1.175	5184.14
7.57	399+87	4930.0	4926.0	3.194	5174.06	3.619	5182.97
7.77	410+43	4931.0	4927.0	6.387	5170.86	7.237	5179.35
8.17	431+55	4945.0	4941.0	9.582	5164.48	10.857	5172.11
8.77	463+23	4989.0	4985.0	6.388	5154.90	7.237	5161.26
9.17	484+35	5009.0	5005.0	1.597	5148.51	1.809	5154.02
9.27	489+63	5002.0	4998.0	6.387	5146.91	7.237	5152.21
9.67	510+75	4988.0	4984.0	7.985	5140.52	9.047	5144.97
10.2	537+15	4959.0	4955.0	6.387	5132.54	7.237	5135.93

$$h_f = \frac{4.727 L Q^{1.852}}{C_h^{1.852} D^{4.87}} + K_l \frac{Q^2}{2gA^2}$$



10.6	558+27	4942.0	4938.0	1.597	5126.15	1.809	5128.69
10.7	563+55	4940.0	4936.0	4.790	5124.55	5.428	5126.88
11.0	579+39	4937.0	4933.0	3.194	5119.76	3.619	5121.45
11.2	589+95	4932.0	4928.0	7.984	5116.57	9.046	5117.83
11.7	616+35	4940.0	4936.0	3.194	5108.59	3.619	5108.79
11.9	626+91	4941.0	4937.0	4.791	5105.39	5.429	5105.17
12.2	642+75	4972.0	4968.0	11.637	5100.60	9.063	5099.74
12.9	679+71	5025.0	5021.0	4.987	5088.96	3.884	5090.68
13.2	695+55	5025.0	5021.0	3.325	5083.98	2.589	5086.79
13.4	706+11	5023.0	5019.0	4.987	5080.65	3.884	5084.20
13.7	721+95	5033.0	5029.0	8.312	5075.67	6.474	5080.32
14.2	748+35	4992.0	4988.0	3.325	5067.35	2.590	5073.84
14.4	758+91	4971.0	4967.0	4.987	5064.03	3.884	5071.26
14.7	774+75	4955.0	4951.0	4.987	5059.04	3.884	5067.37
15.0	790+59	4946.0	4942.0	3.325	5054.05	2.589	5063.49
15.2	801+15	4948.0	4944.0	8.312	5050.73	6.473	5060.90
15.7	827+55	4963.0	4959.0	8.312	5042.42	6.473	5054.43
16.2	853+95	4989.0	4985.0	8.312	5034.11	6.473	5047.95
16.7	880+35	5018.0	5014.0	8.313	5025.79	6.474	5041.48
17.2	906+75	5062.0	5058.0	8.312	5017.48	6.473	5035.00
17.7	933+15	5072.0	5068.0	3.325	5009.17	2.589	5028.53
17.9	943+71	5087.0	5083.0	2.963	5005.84	2.307	5025.94
18.1	953+12	5086.0	5082.0		5002.88		5023.63