



# **SANTA CLARA CITY, UTAH**

## **Water System Impact Fee Facilities Plan & Impact Fee Analysis**

**August 2023**

**PREPARED BY:**

SUNRISE ENGINEERING, INC.  
11 North 300 West  
Washington, UT 84780  
TEL: 435-652-8450



# Water System Impact Fee Facilities Plan & Impact Fee Analysis

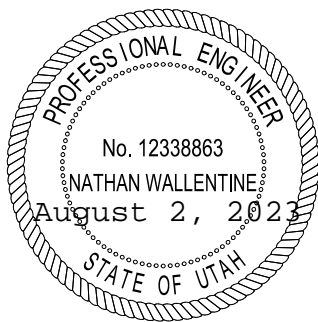
August 2023

**INCLUDES:**

**FIVE POINT SYSTEM ANALYSIS  
RECOMMENDED SYSTEM IMPROVEMENTS  
SYSTEM FINANCING PLAN  
IMPACT FEE FACILITIES PLAN  
IMPACT FEE ANALYSIS**

MAYOR -----Rick Rosenberg  
COUNCIL MEMBER -----Jarett Waite  
COUNCIL MEMBER -----Christa Hinton  
COUNCIL MEMBER -----Ben Shakespeare  
COUNCIL MEMBER -----Leina Mathis  
COUNCIL MEMBER -----Denny Drake  
CITY MANAGER -----Brock Jacobsen  
PUBLIC WORKS DIRECTOR -----Dustin Mouritsen  
RECORDER -----Chris Shelley

PREPARED BY:



Nathan Wallentine, P.E.  
Project Engineer  
State of Utah #12338863

© Copyright 2023 Sunrise Engineering, Inc.

## Contents

<b>I.</b>	<b>INTRODUCTION .....</b>	<b>1</b>
A.	PREFACE .....	1
B.	INTRODUCTION.....	1
<b>II.</b>	<b>SYSTEM USERS ANALYSIS.....</b>	<b>3</b>
A.	PROJECTED GROWTH RATE .....	3
B.	LENGTH OF PLANNING PERIOD .....	5
C.	EXISTING WATER CONNECTIONS .....	6
D.	HISTORICAL WATER USAGE .....	7
<b>III.</b>	<b>WATER RIGHTS ANALYSIS .....</b>	<b>11</b>
A.	EXISTING WATER RIGHT.....	11
B.	EXISTING REQUIRED CULINARY WATER RIGHT .....	12
C.	PROJECTED REQUIRED CULINARY WATER RIGHT .....	12
D.	EXISTING REQUIRED IRRIGATION WATER RIGHTS.....	14
E.	PROJECTED REQUIRED IRRIGATION WATER RIGHTS .....	14
F.	RECOMMENDED IRRIGATION WATER RIGHT IMPROVEMENTS .	16
<b>IV.</b>	<b>WATER SOURCE CAPACITY ANALYSIS.....</b>	<b>17</b>
A.	EXISTING CULINARY WATER SOURCE CAPACITY.....	17
B.	EXISTING REQUIRED CULINARY WATER SOURCE CAPACITY ...	17
C.	PROJECTED REQUIRED CULINARY WATER SOURCE CAPACITY .	18
D.	RECOMMENDED CULINARY WATER SOURCE CAPACITY IMPROVEMENTS .....	19
<b>V.</b>	<b>WATER STORAGE CAPACITY ANALYSIS.....</b>	<b>20</b>
A.	EXISTING CULINARY WATER STORAGE CAPACITY .....	20
B.	EXISTING REQUIRED CULINARY WATER STORAGE CAPACITY..	20
C.	PROJECTED REQUIRED CULINARY WATER STORAGE CAPACITY	21
D.	EXISTING ELEVATION CONSTRAINTS.....	22
E.	RECOMMENDED CULINARY WATER STORAGE CAPACITY IMPROVEMENTS .....	22
<b>VI.</b>	<b>WATER TREATMENT REQUIREMENTS.....</b>	<b>23</b>
A.	GENERAL REQUIREMENTS .....	23
B.	RECOMMENDED WATER TREATMENT FACILITY IMPROVEMENTS	23
<b>VII.</b>	<b>WATER DISTRIBUTION SYSTEM ANALYSIS .....</b>	<b>24</b>
A.	EXISTING CULINARY DISTRIBUTION SYSTEM ANALYSIS .....	24
B.	PROJECTED CULINARY DISTRIBUTION SYSTEM ANALYSIS .....	25
C.	EXISTING IRRIGATION DISTRIBUTION SYSTEM ANALYSIS .....	26
D.	PROJECTED IRRIGATION DISTRIBUTION SYSTEM ANALYSIS...	27
E.	RECOMMENDED DISTRIBUTION SYSTEM IMPROVEMENTS .....	27

**VIII. SUMMARY OF RECOMMENDED SYSTEM IMPROVEMENTS 28**

- A. RECOMMENDED SYSTEM IMPROVEMENTS .....28
- B. PRELIMINARY ENGINEER’S OPINION OF PROBABLE COST .....29
- C. PROPOSED FINANCING PLAN .....29

**IX. WATER RATE ANALYSIS ..... 31**

- A. GENERAL .....31
- B. AVERAGE RATE DETERMINATION FOR FY2024 .....31
- C. BASE AND OVERAGE RATE DETERMINATION .....33
- D. POSSIBLE RATE STRUCTURE .....34
- E. POSSIBLE DROUGHT RATE STRUCTURES .....35
- F. SUMMARY .....39

**X. IMPACT FEES..... 40**

- A. IMPACT FEE .....40
- B. CULINARY & IRRIGATION COMBINED CALCULATION .....40
- C. VARYING IMPACT FEE CALCULATION.....42
- D. IMPACT FEE CERTIFICATION .....43
- E. IMPACT FEE RELATED ITEMS.....43

**APPENDIX A - MAPS**

**APPENDIX B - INFOWATER® ANALYSIS**

**APPENDIX C - WATER RIGHTS INVENTORY**

**APPENDIX D - OPINION OF PROBABLE COST**

**APPENDIX E - PROJECTED CASH FLOW**

**APPENDIX F - IMPACT FEE CERTIFICATION**

I. INTRODUCTION

A. PREFACE

The City of Santa Clara (the city) has entered into an agreement with Sunrise Engineering, Inc. to prepare this Culinary and Irrigation Water Master Plan. The plan will provide council members with the information they need to make important decisions relating to water infrastructure as the city continues to grow and develop over the next 20 years. This plan will provide information regarding the existing culinary and irrigation water infrastructure, analyze these facilities for adequacy, and make recommendations in order to meet projected demands.

B. INTRODUCTION

This Water Master Plan has been prepared for Santa Clara City, located west of St. George in Washington County, Utah along Old Highway 91. An area map showing the location of the city has been included as Figure I.B-1.

Santa Clara City has experienced significant growth over the past 30 years. At times, this growth has been somewhat rapid and has required improvements and upgrades to much of the city’s public infrastructure to meet the increased demands. The growth slowed in the 2008 recession and has since grown significantly. We are currently seeing a slight slowdown in growth, though it is projected that growth rates will level out over the next several years. This plan is intended to help the city evaluate their ability to meet the increasing demands placed on the system by development, and to identify and correct existing deficiencies in the water system.

The water system has been analyzed according to the Utah Division of Drinking Water regulations and includes a 5-point review of the system consisting of water rights, water source capacity, water storage capacity, water treatment, and water distribution.

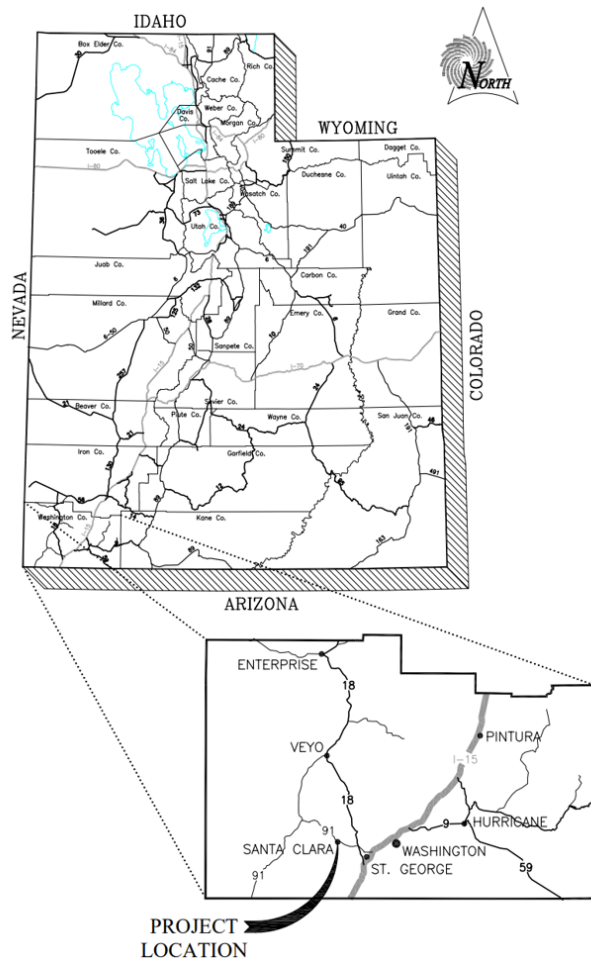


Figure I.B-1: Area Map

As part of the plan, Sunrise Engineering has recommended several improvements to the culinary water system and has developed a sample financing plan as a possible means to fund the recommended improvements.

The existing water rates and impact fees have also been analyzed as a possible means of supporting the recommended system improvements. The recommended water rates and impact fees are fair and reasonable and will allow the city to continue to maintain the level of service that is required of a public water system for the present time and over the planning period.

**II. SYSTEM USERS ANALYSIS**

**A. PROJECTED GROWTH RATE**

An important element in the development of a Water Master Plan is the projection of the population growth rate. This projection gives the planner an idea of the future demands on the system throughout the planning period.

Projecting future growth can be subjective but should be grounded in historical trends and current information as much as possible. Table II.A-1 below shows the city’s historic growth rates based on official Census data from 1970 to 2010, and the latest population data the city had on record for 2020.

**Table II.A-1: Historic Growth**

Year	Source	Population	Growth Rate		ERUs
1970	Census	271	-	-	-
1980	Census	1,091	1970-1980	14.9%	-
1990	Census	2,311	1980-1990	7.8%	-
2000	Census	4,630	1990-2000	7.2%	-
2010	Census	6,003	2000-2010	2.6%	-
2020	City	8,685	2010-2020	3.8%	2713
2021	Estimate	9,206	2020-2021	6.0%	3424
2022	Estimate	9,758	2021-2022	6.0%	3629
2023	Estimate	10,149	2022-2023	4.0%	3775

The City of Santa Clara has grown significantly since 1970. During the 1970’s it grew at almost 15% per year. During the 1980’s and 1990’s the city grew at over 7% per year. Despite this rapid population growth, there has been very little commercial development in Santa Clara. The city is primarily a residential community supporting the St. George area. Because it is bounded by lava flows, flood plains, environmentally sensitive areas, and other municipalities, it is not expected to grow as fast as it historically has.

As shown in Table II.A-1 above, the 2020 population was provided by Santa Clara City. This indicated a growth rate of 3.8% since 2010. Sunrise Engineering, Inc. projected the current 2023 population as 10,149 assuming a 6.0% average annual growth rate since 2020 based on the high growth rate recently experienced in the community and a 4.0% growth rate beginning this year.

Recent housing market trends in southern Utah indicate that Santa Clara is only expected to grow rapidly for a short period. After which, growth will continue at a steady rate. The recent 2020 Santa Clara Public Safety IFFP used a growth rate of 4.0% and to remain consistent, the city chose to use the same growth rate projection for this report, with a slight adjustment to 2021-2022 being at 6.0%. A growth rate of 4.0% is projected through the end of the planning period after 2022. The future growth can be projected using the following compound interest formula:

$$F = P(1+i)^N$$

## SECTION II - SYSTEM USERS ANALYSIS

F = Future Population  
i = Projected Growth Rate

P = Present Population  
N = Years

Table II.A-2 shown below gives the projected population and number of equivalent residential units (ERUs) throughout the 20-year and 40-year planning periods.

**Table II.A-2: Projected Growth**

Year	Source	Population	Growth Rate		ERUs
1970	Census	271	-	-	-
1980	Census	1,091	1970-1980	14.9%	-
1990	Census	2,311	1980-1990	7.8%	-
2000	Census	4,630	1990-2000	7.2%	-
2010	Census	6,003	2000-2010	2.6%	-
2020	City	8,685	2010-2020	3.8%	2713
2021	Estimate	9,206	2020-2021	6.0%	3424
2022	Estimate	9,758	2021-2022	6.0%	3629
2023	Estimate	10,149	2022-2023	4.0%	3775
2024	Estimate	10,555		4.0%	3926
2025	Estimate	10,977		4.0%	4083
2026	Estimate	11,416		4.0%	4246
2027	Estimate	11,873		4.0%	4416
2028	Estimate	12,348		4.0%	4592
2029	Estimate	12,841		4.0%	4776
2030	Estimate	13,355		4.0%	4967
2031	Estimate	13,889		4.0%	5166
2032	Estimate	14,445		4.0%	5372
2033	Estimate	15,023		4.0%	5587
2034	Estimate	15,624		4.0%	5811
2035	Estimate	16,249		4.0%	6043
2036	Estimate	16,899		4.0%	6285
2037	Estimate	17,574		4.0%	6536
2038	Estimate	18,277		4.0%	6798
2039	Estimate	19,009		4.0%	7070
2040	Estimate	19,769		4.0%	7353
2041	Estimate	20,560		4.0%	7647
2042	Estimate	21,382		4.0%	7953
2043	Estimate	22,237		4.0%	8271
2044	Estimate	23,127		4.0%	8601
2045	Estimate	24,052		4.0%	8946
2046	Estimate	25,014		4.0%	9303
2047	Estimate	26,014		4.0%	9675
2048	Estimate	27,055		4.0%	10063
2049	Estimate	28,137		4.0%	10465
2050	Estimate	29,263		4.0%	10884
2051	Estimate	30,433		4.0%	11319
2052	Estimate	31,651		4.0%	11772
2053	Estimate	32,917		4.0%	12243
2054	Estimate	34,233		4.0%	12732
2055	Estimate	35,603		4.0%	13242
2056	Estimate	37,027		4.0%	13771
2057	Estimate	38,508		4.0%	14322
2058	Estimate	40,048		4.0%	14895
2059	Estimate	41,650		4.0%	15491
2060	Estimate	43,316		4.0%	16110
2061	Estimate	45,049		4.0%	16755
2062	Estimate	46,851		4.0%	17425
2063	Estimate	48,725		4.0%	18122



## SECTION II - SYSTEM USERS ANALYSIS

Because the City of Santa Clara will eventually develop all its available land, build-out projections have also been considered in this study.

To determine build-out projections, several samples of existing densities were taken from established areas of the city. These samples were then utilized to estimate densities for other zoning types in the community that have not yet been developed. Table II.A-3 below indicates the densities assumed for each zoning type. The zones marked by an asterisk (\*) represent the zoning types for which a sample was taken.

**Table II.A-3: Zoning Types and Densities**

Zone	Description	Density (DU/Acre)
R-1-10	*Single Family Residential	4.4
PDR	*Planned Development (Residential)	4.0
R-A	*Residential Agricultural	0.7
OS	Open Space	4.5
PDC	Planned Development (Commercial)	0
HDMU	Historic District/Mixed Use	0
R-1-6	*Single Family Residential (6,000 sf lots)	5.6
R-1-10/ML	*Single Family Residential (Mixed Lot)	4.0
COM	Commercial	0

These densities were utilized in conjunction with a current zoning map provided by Santa Clara City. Total areas of each zoning type left to develop were determined and multiplied by the densities to calculate a projected number of dwelling units (DUs) left to develop. The city also provided projected townhome development in areas not zoned for multi-family and these numbers were incorporated. Adding these values to the existing number of DUs resulted in 7,505 total projected DUs at build-out. Multiplying this number by 3.26 people per unit according to the 2020 Census figure, provides a total build-out population projection of 24,466 residents. An exhibit highlighting these zoning calculations can be found in Appendix A.

It is important to understand that projected growth rates are not the cornerstone of this plan. If the projected population is reached earlier or later than anticipated, then future improvements to support growth may either come earlier or later. Impact fees should not be significantly affected if the actual rate of growth varies from the rate used in the plan.

### **B. LENGTH OF PLANNING PERIOD**

This Water Master Plan uses a 20-year planning period beginning in the year 2023 and running through year 2043. Water rights will be evaluated until the anticipated year of build-out. These planning periods are consistent with standard practice and will allow an adequate evaluation of the system for potential infrastructure improvements or other needs. It is assumed build-out will occur approximately at 8,557 ERU's, which at the assumed 4.0% growth rate would occur between 2043-2044.

C. EXISTING WATER CONNECTIONS

*Culinary Connections*

As of 2021, the city had 3,424 Equivalent Residential Units (ERUs). An ERU value allows the comparison of water use between a residential connection and any other type of connection. For instance, if a business connection has an ERU of 2.5, then it uses 2.5 times the water of an average residential connection. The city is servicing connections separated into residential, commercial, and "other" units and it is assumed that one residential unit is equal to one ERU. Table II.C-1 shows the anticipated number of ERUs at different points of the planning horizon.

**Table II.C-1: Culinary Water Connections**

Year	Type of ERU			Total
	Residential	Commercial	Other	
Present (2023)	3311	227	237	3,775
10-Year (2033)	4900	336	351	5,587
20-Year (2043)	7254	498	519	8,271
Build-out (~2044)	7505	515	537	8,557

It should be noted that the "other" ERUs account for churches, schools, and city owned and operated facilities. It should also be noted that while townhome connections are included in the residential connections total, they use approximately one-third the amount of water of a typical residential home. According to Santa Clara City estimates, townhomes will also account for approximately one-third of future residential development.

*Irrigation Connections*

The City also has an irrigation water system that is used for city owned properties such as the parks, cemeteries, and the town hall. The Rhone subdivision near the river comprising of Vernon Street and Old Farm Road is also metered for residential use. All other areas of the city that have access to the irrigation system are operated by the Santa Clara Field Canal Company. The system does not feed the entire city, so all other connections use the culinary water system for outdoor use.

The Canal Company provided a sample of 10 residential meter readings from 2021 comprising of some 0.25 acre lots and some 0.5 acre lots. The total number of Canal Company connections was obtained using provided record drawings and it was assumed all these connections were in service. The average usage from this sample was determined to be equal to 1 ERU. With this information the number of ERUs owned and metered by the city was identified. There are currently seven "Other" connections which consist of parks and government properties and 10 residential connections in the Rhone subdivision. The average 2021 usage in the Rhone subdivision was found to be less than the average Canal Company usage. To be conservative the Canal Company usage was used as the basis for 1 ERU. Table II.C-2 shows the anticipated number of ERUs at different points of the planning horizon.

## SECTION II - SYSTEM USERS ANALYSIS

**Table II.C-2: Irrigation Water Connections**

Year	ERU's				
	Residential (Metered by Canal Co.)	Residential (Metered by City)	Other (Metered by City)	Total (Metered by City)	Total
Present (2023)	643	4	123	127	770
10-Year (2033) Projects 1-5, Solace	643	348	175	523	1166
20- Year (2043) Black Desert, 4.0% growth rate	643	2043	260	2303	2946

### D. HISTORICAL WATER USAGE

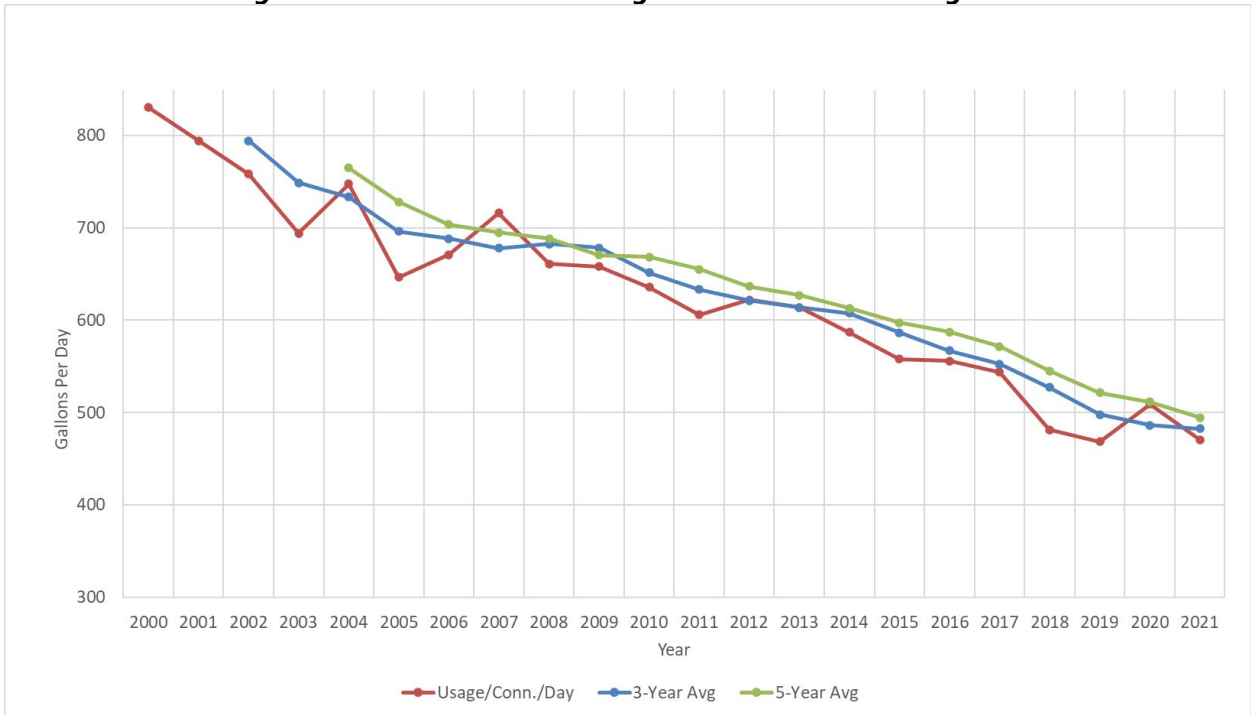
#### *Culinary Usage*

Culinary water usage data was also provided by the city for analysis. We were given total yearly water meter usage data from 2000 to 2021. The data has been tabulated and analyzed to determine usage trends for the city including the average usage per connection for the past 10, 5, and 3 years. The results of this analysis have been summarized in Table II.D-1 and Figure II.D-1.

**Table II D-1: Average Culinary Water Usage**

<b>Residential</b>	<b>10 year Average</b>	<b>5 year Average</b>	<b>3 year Average</b>
Usage (gallons)	475,287,750	500,683,800	510,887,333
Connections	2,386	2,781	2,900
Usage Per Connection (gal/year)	202,346	180,564	176,178
Daily Usage Per Connection (gal/day)	554	495	483
<b>Commercial</b>			
Usage (gallons)	14,430,000	22,314,800	27,273,667
Connections	54	36	39
Usage Per Connection (gal/year)	363,175	603,006	690,236
Daily Usage Per Connection (gal/day)	995	1,652	1,891
Equivalent Residential Unit	1.93	3.36	4.00
Non-Residential ERUs	76	125	155
<b>Other</b>			
Usage (gallons)	47,457,250	43,359,000	42,548,667
Connections	38	46	48
Usage Per Connection (gal/year)	1,573,890	940,419	897,140
Daily Usage Per Connection (gal/day)	4,312	2,576	2,458
Equivalent Residential Unit	7.54	5.21	5.00
Non-Residential ERUs	235	241	243
<b>Total ERUs</b>	<b>2,696</b>	<b>3,147</b>	<b>3,297</b>

Figure II. D-1: Santa Clara Average Residential Water Usage



The usage numbers presented above represent all uses of the culinary system, including outdoor usage for those who do not have irrigation access.

Typical trends in the area show that water usage per ERU has been trending down due to conservation efforts from individuals and usage rate structures promoting conservation. It has been found that Santa Clara usage has been trending down at a rate of approximately 2.5% each year on average.

The 3-year average **of 483 gallons per ERU per day** from 2019-2021 shown in Table II.D-1 above will be used in this analysis for the estimated 2023 usage. Following this conservative estimate, future usage will decrease each year by the historic -2.5% trend for the next five years followed by a 0.5% reduction every five years following (resulting in 2.0% in 2027, 1.5% in 2032, etc.).

Water usage also varies significantly throughout the year. During winter months, water usage typically goes down as outside watering becomes unnecessary. Peak water usage generally corresponds to summer months when outdoor watering is at its peak. To remain consistent with common practice, the peak demand for this report will use a peaking factor of 2.0 to result in a peak day demand of **966 gallons per day** for 2023.

## SECTION II - SYSTEM USERS ANALYSIS

### *Irrigation Usage*

Irrigation water usage was provided by the city for the city metered residential and City Owned (Other) connections for the year 2021. The Canal Company provided meter data for 10 of their connections, which ended up being higher than the 10 residential city metered connections by approximately 2.6 times. Because of this it was assumed each future residential connection will have the same average usage as the existing canal company metered residential connections rather than the existing city metered connections. The data has been analyzed to determine usage trends for the city including the average usage per connection. The results of this analysis have been summarized in Table II.D-2.

**Table II D-2: Irrigation Water Usage**

<b>Canal Company Residential (Based on Sample)</b>	<b>2021</b>
Usage (gallons)	222,705,751
Connections	643
Usage Per Connection (gal/year)	346,354
Daily Usage Per Connection (gal/day)	949
<b>City Owned Residential</b>	
Usage (gallons)	1,312,000
Connections	10
Usage Per Connection (gal/year)	131,200
Daily Usage Per Connection (gal/day)	359
Equivalent Residential Unit	0.38
ERUs	4
<b>City Owned "Other"</b>	
Usage (gallons)	42,542,000
Connections	7
Usage Per Connection (gal/year)	6,077,429
Daily Usage Per Connection (gal/day)	16,650
Equivalent Residential Unit	17.55
Non-Residential ERUs	123
<b>Total Irrigation ERUs (City Owned/Metered)</b>	<b>127</b>
<b>Total Irrigation ERUs</b>	<b>770</b>

The average usage per residential connection is calculated to be **949 gallons per day**. This value is an average based on the number of active connections metered by the canal company in 2021. Future usage is assumed to follow the same negative trend of 2.5% as the culinary system.

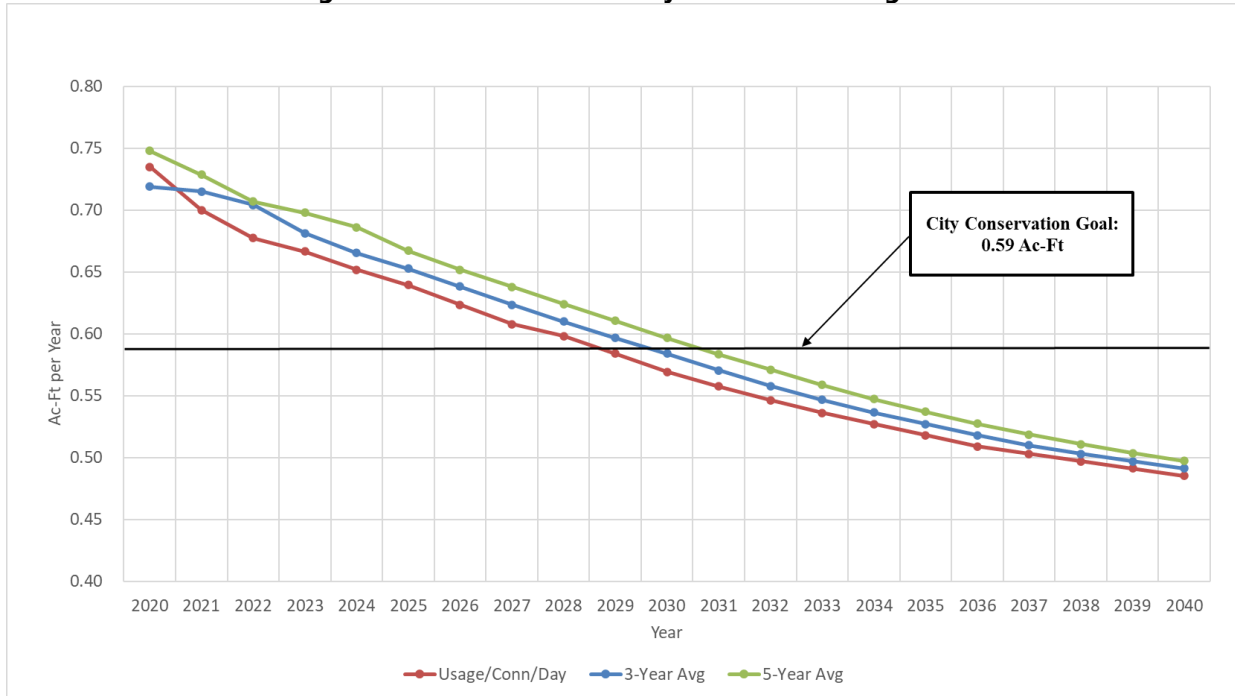
Water usage also varies significantly throughout the year. During winter months, water usage typically goes down as outside watering becomes unnecessary. Peak water usage generally corresponds to summer months when outdoor watering is at its peak. To remain consistent with common practice, the peak demand for this report will use a peaking factor of 2.0 to result in a peak day demand of **1,898 gallons per day** for current irrigation water ERUs.

## SECTION II - SYSTEM USERS ANALYSIS

### Combined Usage

The city has a goal to conserve usage to 0.59 ac-ft per connection per year for all culinary and irrigation usage. The 3-year average shows the current total usage to be 0.71 ac-ft per connection per year. With the population growth projection of 4.0% and the usage decrease of 2.5% for the next five years followed by a 0.5% reduction every five years following (resulting in a 2.0% in 2027, 1.5% in 2032, etc.), it is estimated the city goal should be reached by 2030. This is shown in Figure II.D-2 below.

**Figure II. D-2: Santa Clara Projected Future Usage**



The usage numbers presented above represent all uses of the culinary and irrigation systems, indoor and outdoor.

**III. WATER RIGHTS ANALYSIS**

**A. EXISTING WATER RIGHT**

The existing Santa Clara City water rights are identified in Table III.A-1 below. The water rights are listed according to number, source, and flow and separated between culinary and irrigation sources. Santa Clara currently has an agreement with St. George City in regard to the springs as a source. St. George has access to the springs for irrigation use, and in return Santa Clara receives a credit to access St. George culinary rights equal to the amount St. George uses in irrigation from the springs. St. George pulls from WR #81-742 so the flow is not included in the total for this analysis.

**Table III.A-1: Santa Clara Water Rights**

Culinary Water Rights		Flow		
W.R. #	Source	gpm	cfs	AcFt.
81-782	Snow Canyon Compact	224.4	0.50	362.0
81-973	Snow Canyon Compact	439.8	0.98	709.5
81-893	Snow Canyon Wells # 6 & 7	897.6	2.00	1447.9
81-4123	Snow Canyon Wells # 6 & 7	1.7	0.00	2.7
81-4225	Snow Canyon Wells # 6 & 7	12.4	0.03	20.0
81-4226	Snow Canyon Wells # 6 & 7	5.2	0.01	8.4
	WCWCD Regional Supply Agreement			
<b>Sub Total</b>		<b>1,581.2</b>	<b>3.5</b>	<b>2,550.6</b>
81-149	Sheep Spring (Not in Use)	8.1	0.02	13.0
81-741	Miller, Beecham & Gray Springs (Not in Use)	54.7	0.12	88.3
81-742	Miller, Beecham & Gray Springs (St. George Agreement: Not Included in Total)	25.1	0.06	40.5
81-1061	Miller Springs (Not in Use)	4.9	0.01	8.0
<b>Sub Total</b>		<b>67.7</b>	<b>0.2</b>	<b>109.3</b>
<b>Total Culinary</b>		<b>1581.2</b>	<b>3.52</b>	<b>2659.8</b>
Secondary Water Rights		Flow		
W.R. #	Source	gpm	cfs	AcFt.
81-1496	J. Ross Hurst Entrada Well (Irrigation)	16.3	0.04	26.2
81-4189	Rex Jackson Sunbrook Well (Irrigation)	58.9	0.13	95.0
81-497	Crystal Lakes Sunbrook Well (Irrigation)	74.4	0.17	120.0
81-475	Ralph Hafen Well (Irrigation)	4.7	0.01	7.6
81-4184	McDermitt Well	93.0	0.21	150.0
<b>Sub Total</b>		<b>247.2</b>	<b>0.6</b>	<b>398.8</b>
	Irrigation Company 24 Shares (McDermitt)	0.0	0.00	96.0
	Irrigation Company 25.25 Shares (Santa Clara)	0.0	0.00	101.0
<b>Sub Total</b>		<b>0.0</b>	<b>0.0</b>	<b>197.0</b>
<b>Total Secondary</b>		<b>247.2</b>	<b>0.6</b>	<b>595.8</b>

The city currently participates in the Washington County Water Conservancy District (WCWCD) Regional Water Supply Agreement (RWSA) as a solution for additional culinary water sources. The city also has an agreement with the Santa Clara Field Canal Company as a solution for additional irrigation water sources. Both agreements provide the mechanism for water to be supplied if there is not enough water right or source necessary for growth.

**B. EXISTING REQUIRED CULINARY WATER RIGHT**

The State of Utah Public Administrative Rules for Public Drinking Water Systems, R309-510, states that a community should have adequate water right to supply each culinary ERU with 400 gallons per day for indoor water use, plus an amount for outdoor use as dictated by irrigated acreage and a consumptive use value obtained from the State guidelines. If adequate data exists, the provider is allowed to substitute historical usage data instead. The city historical average usage of 483 gallons per day per ERU will be used in this plan.

By multiplying the average water usage per ERU in the City by the number of existing ERUs, the current required amount of water rights can be determined as shown in Table III.B-1.

**Table III.B-1: Current Required Water Right**

<b>Average Demand (Total Use)</b>				
3,775 ERU's X	$\frac{483 \text{ gpd X hr}}{\text{ERU min.}}$	=	1,266 gpm	
3,775 ERU's X	$\frac{483 \text{ gpd X Acft.}}{\text{ERU gal}}$	=	2,042 Acft	
<b>Total Required Water Right</b>			<b>2,042 Acft</b>	<b>1,266 gpm</b>
<b>Existing Culinary System Water Right Surplus</b>			<b>618 Acft</b>	<b>315 gpm</b>

The existing water right surplus or deficit is determined by subtracting the current required water right demand of 2,042 ac-ft from the total available water right of 2,660 ac-ft, which yields a surplus of 618 ac-ft. The District currently has access to enough water rights to supply all of its existing culinary ERUs.

**C. PROJECTED REQUIRED CULINARY WATER RIGHT**

The projected amount of required water rights at the end of the 10-year planning period and at build-out can also be calculated by substituting the projected number of ERUs into the calculation for the current number of ERUs as shown in Table III.C-1 and Table III.C-2.

**Table III.C-1: Projected 10-Year Required Water Right**

<b>Average Demand (Total Use)</b>				
5,587 ERU's X	$\frac{383 \text{ gpd X hr}}{\text{ERU min.}}$	=	1,485 gpm	
5,587 ERU's X	$\frac{383 \text{ gpd X Acft.}}{\text{ERU gal}}$	=	2,396 Acft	
<b>Total Required Water Right</b>			<b>2,396 Acft</b>	<b>1,485 gpm</b>
<b>Existing Culinary System Water Right Surplus</b>			<b>264 Acft</b>	<b>96 gpm</b>



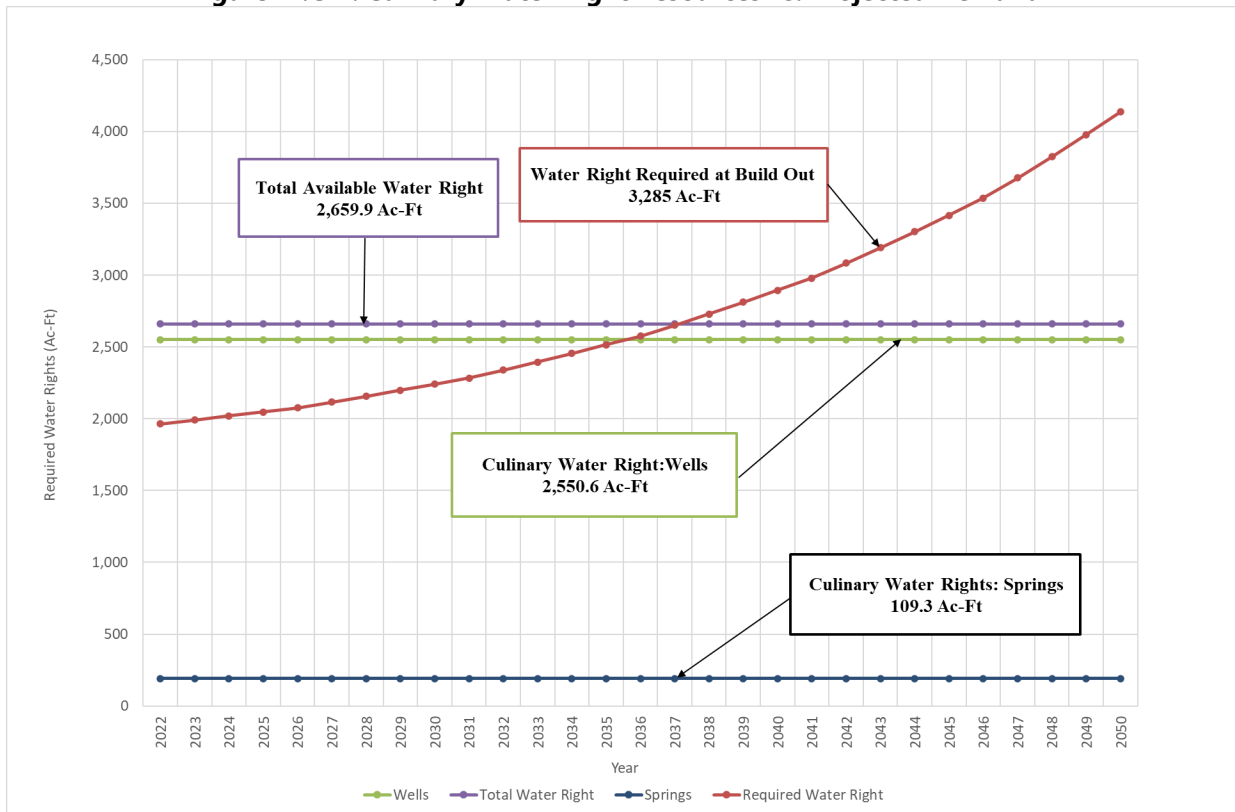
## SECTION III – WATER RIGHTS ANALYSIS

**Table III.C-2: Projected Build-Out Year Required Water Right**

<b>Average Demand (Total Use)</b>			
8,557 ERU's X	$\frac{343 \text{ gpd X hr}}{\text{ERU min.}}$	=	2,036 gpm
8,557 ERU's X	$\frac{343 \text{ gpd X Acft.}}{\text{ERU gal}}$	=	3,285 Acft
<b>Total Required Water Right</b>			<b>3,285 Acft    2,036 gpm</b>
<b>Existing Culinary System Water Right Deficit</b>			<b>(734) Acft    (455) gpm</b>

The projected water right surplus or deficit is determined by subtracting the projected required water right from the total available water right. The 10-year projection results in a surplus of 264 ac-ft, and the build-out projection results in a deficit of 734 ac-ft. Figure III.C-1 shows the projected culinary water right demands vs. the City's existing available water right resources throughout the planning period.

**Figure III.C-1: Culinary Water Right Resources vs. Projected Demand**



**D. EXISTING REQUIRED IRRIGATION WATER RIGHTS**

Most of the irrigation system in Santa Clara is owned and operated by the Canal Company. Because of this, the city water rights will only need to service the connections owned by the city. By multiplying the average water usage per ERU in the City by the number of existing ERUs, the current required amount of water rights can be determined as shown in Table III.D-1.

**Table III.D-1: Current Required Water Right**

<b>Average Demand (Total Use)</b>			
127 ERU's X	$\frac{949 \text{ gpd X hr}}{\text{ERU min.}}$	=	83 gpm
127 ERU's X	$\frac{949 \text{ gpd X Acft.}}{\text{ERU gal}}$	=	135 Acft
<b>Total Required Water Right</b>			<b>135 Acft    83 gpm</b>
<b>Existing Culinary System Water Right Surplus</b>			<b>461 Acft    164 gpm</b>

The existing water right surplus or deficit is determined by subtracting the current required water right demand of 135 ac-ft from the total available water right of 596 ac-ft, which yields a surplus of 461 ac-ft. The District currently has access to enough water rights to supply all of its existing ERUs.

**E. PROJECTED REQUIRED IRRIGATION WATER RIGHTS**

The projected amount of required water rights at the end of the 10-year planning period and at the end of the 20-year planning period can also be calculated by substituting the projected number of ERUs into the calculation for the current number of ERUs as shown in Table III.E-1 and Table III.E-2.

**Table III.E-1: Projected 10-Year Required Water Right**

<b>Average Demand (Total Use)</b>			
523 ERU's X	$\frac{764 \text{ gpd X hr}}{\text{ERU min.}}$	=	278 gpm
523 ERU's X	$\frac{764 \text{ gpd X Acft.}}{\text{ERU gal}}$	=	448 Acft
<b>Total Required Water Right</b>			<b>448 Acft    278 gpm</b>
<b>Existing Culinary System Water Right Surplus</b>			<b>148 Acft    (30) gpm</b>

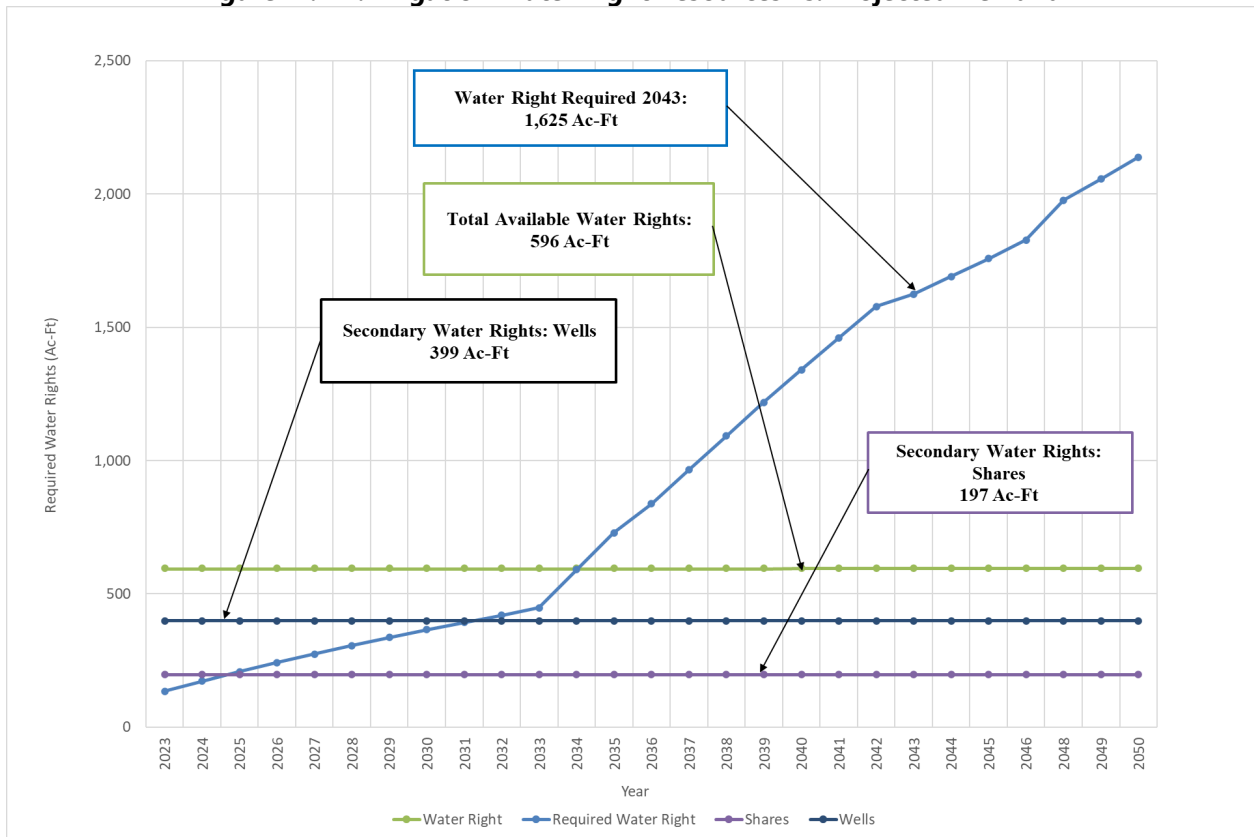
## SECTION III – WATER RIGHTS ANALYSIS

**Table III.E-2: Projected 20- Year Required Water Right**

<b>Average Demand (Total Use)</b>			
2,303 ERU's X	$\frac{630 \text{ gpd X hr}}{\text{ERU min.}}$	=	1,008 gpm
2,303 ERU's X	$\frac{630 \text{ gpd X Acft.}}{\text{ERU gal}}$	=	1,625 Acft
<b>Total Required Water Right</b>			<b>1,625 Acft 1,008 gpm</b>
<b>Existing Culinary System Water Right Deficit</b>			<b>(1,029) Acft (760) gpm</b>

The projected water right surplus or deficit is determined by subtracting the projected required water right from the total available water right. The 10-year projection results in a surplus of 148 ac-ft, and the 20-year projection results in a deficit of 1,029 ac-ft. Figure III.E-1 shows the projected irrigation water right demands vs. the City's existing available water right resources throughout the planning period.

**Figure III.E-1: Irrigation Water Right Resources vs. Projected Demand**



## F. RECOMMENDED IRRIGATION WATER RIGHT IMPROVEMENTS

### *Culinary Recommendation*

The projections in this analysis show that the City does not have sufficient water rights to meet the needs of customers over the next 20 years and through the projected year of build-out. However, the RWSA in place provides additional water to the city if needed. It is recommended that Santa Clara City protect all existing water rights not currently being used in their system. It is not in the scope of this report to derive specific recommendations for each individual right or provide detailed analysis of protections or strategies. However, a recent Water Right Report was performed, and the recommendations listed have been included below. Further consultations with a water rights professional to make sure that all the water rights and agreements are protected is recommended.

- WR #81-782: Update the Title from "Town of Santa Clara" to "City of Santa Clara"
- WR #81-973: Update the Title from "Town of Santa Clara" to "City of Santa Clara"
- WR #81-149: Update the Title from "Town of Santa Clara" to "City of Santa Clara"
- WR #81-741: Update the Title from "Town of Santa Clara" to "City of Santa Clara" and have the state update and correct flow rate error
- WR #81-742: Update the Title from "Town of Santa Clara" to "City of Santa Clara" and Proof of Beneficial Use
- WR #81-1061: Update the Title from "Town of Santa Clara" to "City of Santa Clara"

### *Irrigation Recommendation*

The projections in this analysis show that the City has sufficient water rights to meet the needs of customers over the next 10 years if the well water rights are accessed. If the 49.25 shares are the only water rights utilized there are not sufficient water rights to meet the needs of the customers once city projects and planned developments are completed. If the City exceeds its water shares they can purchase water from the irrigation company, but it is recommended that the city obtain additional shares to mitigate the need for this. An opinion of probable cost for purchasing shares to cover growth has been included in the appendix of this report.

It is also recommended that Santa Clara City protect all existing water rights not currently being used in their system. It is not in the scope of this report to derive specific recommendations for each individual right or provide detailed analysis of protections or strategies. However, a recent Water Right Report was performed, and the recommendations listed have been included below. Further consultations with a water rights professional to make sure that all the water rights and agreements are protected is recommended.

- WR #81-475: File a change application for municipal use
- WR #81-497: File a change application for municipal use
- WR #81-1496: File a change application for municipal use
- WR #81-4184: Proof of Beneficial Use is past due
- WR #81-4189: File a change application for municipal use

**IV. WATER SOURCE CAPACITY ANALYSIS**

**A. EXISTING CULINARY WATER SOURCE CAPACITY**

To analyze source capacity, all available culinary water sources must first be identified. The City has several shared wells and an agreement that only allows them to have 24.7% of the capacity. Well flows were provided by the city and the total flow incorporating this percentage gives Santa Clara 2,662 gpm of source capacity as shown in Table IV.A-1 below.

**Table IV.A-1: Santa Clara Culinary Water Source Capacity**

Shared Wells	Total Flow	Santa Clara's 24.7%	
	gpm	CFS	gpm
Snow Canyon #3a	530	0.292	131
Snow Canyon #2	600	0.330	148
Snow Canyon #3	430	0.237	106
Snow Canyon #4	500	0.275	124
Snow Canyon #5	215	0.118	53
Sub-total Shared Wells =		1.252	562
Santa Clara Owned Sources		CFS	gpm
Snow Canyon Well #6		2.005	900
Snow Canyon Well #7		1.114	500
Regional Water Line / Wash. County water district ?		1.560	700
Sub-total Santa Clara Owned Water =		4.679	2,100
<b>Total Culinary Water Source=</b>		<b>5.931</b>	<b>2,662</b>

**B. EXISTING REQUIRED CULINARY WATER SOURCE CAPACITY**

The State of Utah Public Administrative Rules for Public Drinking Water Systems, R309-510, states that a water system should have an adequate water source capacity to supply peak day demand. This is implied to be twice the amount of average day demand. Doubling the historical usage results in a peak day demand of 966 gpd/ERU.

By multiplying the peak day culinary water usage per ERU by the number of existing ERUs, the existing required culinary water source capacity was determined. This calculation is shown below in Table IV.B-1.

**Table IV.B-1: Current Required Culinary Water Source Capacity**

<b>Required Indoor/Outdoor Source</b>			
3,775 ERU's X	966 gpd X	1 day X	1 hr
	ERU	24 hr	60 min.
			= 2,532 gpm
<b>Total Required Source Capacity</b>			<b>2,532 gpm</b>
<b>Existing Culinary System Source Capacity Surplus</b>			<b>130 gpm</b>

## SECTION IV – WATER SOURCE CAPACITY ANALYSIS

The existing source capacity surplus or deficit is determined by subtracting the existing required source capacity of 2,532 gpm from the total available source capacity of 2,662 gpm (as limited by the water right and well share agreement), which yields a surplus of 130 gpm.

### C. PROJECTED REQUIRED CULINARY WATER SOURCE CAPACITY

The projected amount of required source capacity at the end of the 10-year planning period and at build-out is determined from the same information and calculations explained in Part B, except the projected number of culinary water ERUs is substituted into the calculations for the current number of ERUs as shown in Table IV.C-1 and Table IV.C-2.

**Table IV.C-1: Projected 10-Year Required Culinary Water Source Capacity**

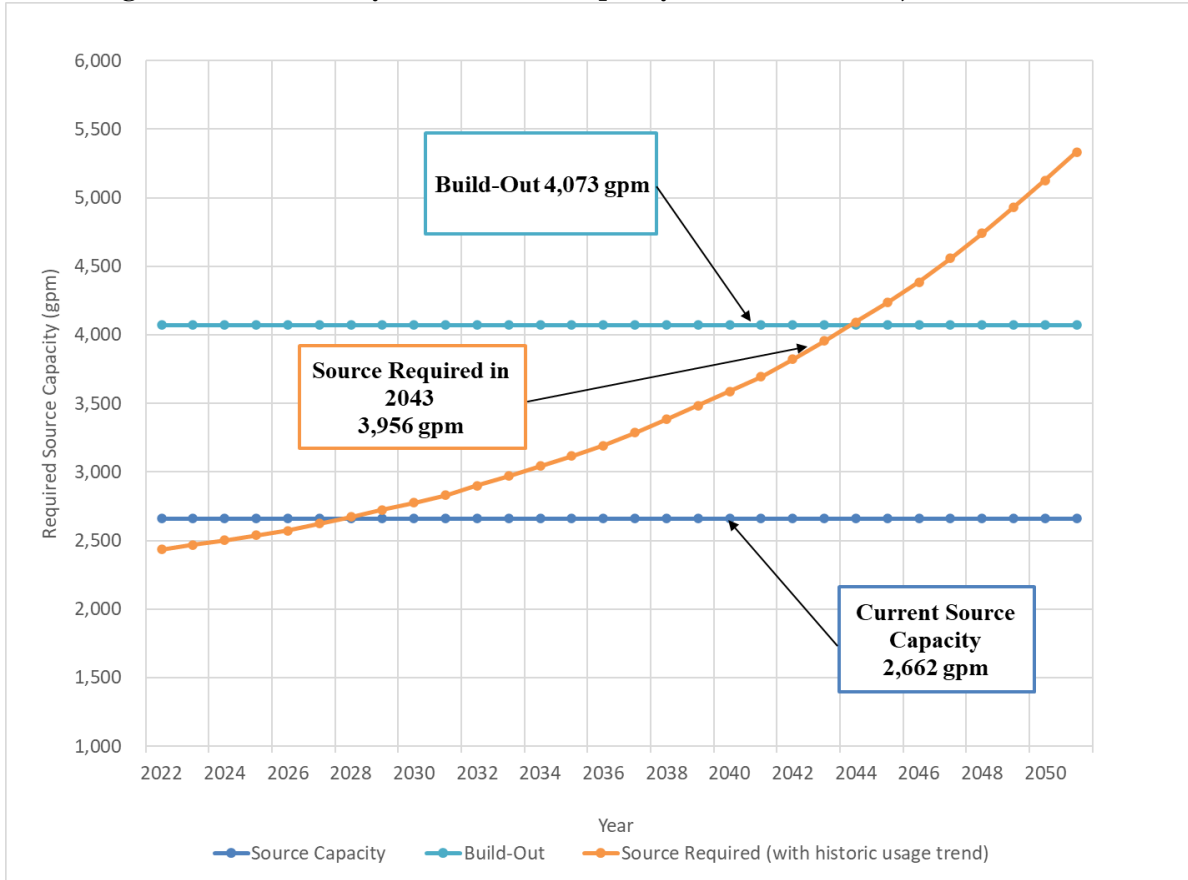
<b>Required Indoor/Outdoor Source</b>				
5,587 ERU's X	<u>766 gpd</u>	X	<u>1 day</u>	X
	ERU		24 hr	X
			1 hr	60 min.
				= 2,971 gpm
<b>Total Required Source Capacity</b>				<b>2,971 gpm</b>
<b>Existing Culinary System Source Capacity Deficit</b>				<b>(309) gpm</b>

**Table IV.C-2: Projected Build-out Required Culinary Water Source Capacity**

<b>Required Indoor/Outdoor Source</b>				
8,557 ERU's X	<u>685 gpd</u>	X	<u>1 day</u>	X
	ERU		24 hr	X
			1 hr	60 min.
				= 4,073 gpm
<b>Total Required Source Capacity</b>				<b>4,073 gpm</b>
<b>Existing Culinary System Source Capacity Deficit</b>				<b>(1,411) gpm</b>

The projected source capacity surplus or deficit is determined by subtracting the projected required source capacity from the total available source capacity. The 10-year projection results in a deficit of 309 ac-ft, and the build-out projection results in a deficit of 1,411 ac-ft. Figure IV.C-1 shows the projected culinary water source capacity demands vs. the City's existing available source capacity resources throughout the planning period.

Figure IV.C-1: Culinary Water Source Capacity Resources vs. Projected Demands



### D. RECOMMENDED CULINARY WATER SOURCE CAPACITY IMPROVEMENTS

The projections in this analysis show that the City does not have sufficient source capacity to meet the needs of customers over the next 20 years and through the projected year of build-out. It is recommended that the city drill and equip a new well to increase their source capacity.

**V. WATER STORAGE CAPACITY ANALYSIS**

**A. EXISTING CULINARY WATER STORAGE CAPACITY**

To analyze storage capacity, all available culinary water storage must first be identified. The existing storage facilities consist of three concrete tanks. The total storage is 4,100,000 gallons as shown in Table V.A-1 below.

**Table V.A-1: Santa Clara Culinary Water Storage Capacity**

<b>Existing Storage Capacity:</b>	
Snow Canyon Compact tanks	600,000 gal.
Concrete tank at Snow Canyon	2,500,000 gal.
South Hills Tank	1,000,000 gal.
<b>Total Existing Capacity =</b>	<b>4,100,000 gal.</b>

**B. EXISTING REQUIRED CULINARY WATER STORAGE CAPACITY**

Water storage capacity requirements are found in the State of Utah Administrative Rules for Public Drinking Water Systems, R309-510. These regulations require storage for a community's culinary water system to meet one full day's use requirement for all water connections, plus the required fire flows for a minimum of one hour.

As shown in previous sections, the average water use per ERU is 483 gallons per day of culinary water for indoor and outdoor use. Storage requirements for fire protection vary slightly from community to community. In general, fire flow requirements are set by the local Fire Chief or are based on building size and type of construction. The statewide minimum fire flow is 1,000 gpm for dwellings under 3,600 square feet and 1,500 gpm for larger dwellings. Based on the varying size of homes in the city a fire flow of 1,250 gpm will be used. Based on this information, the current required storage capacity is calculated as shown in Table V.B-1.

**Table V.B-1: Current Required Culinary Water Storage Capacity**

<b>Required Culinary Water Storage Capacity</b>						
	483 gpd	X	3,775 ERU		=	1,823,140 gpd
	ERU					
1,250 gpm	X	60 min	X	2 hr	=	150,000 gal.
		1 hr				
<b>Total Existing Required Storage</b>						1,973,140 gal.
<b>Total Existing Capacity</b>						4,100,000 gal.
<b>Existing Capacity Surplus</b>						2,126,860 gal.

The existing water storage capacity surplus or deficit is determined by subtracting the current required water storage capacity of 1,973,140 gallons from the total available water storage capacity of 4,100,000 gallons, which yields an existing surplus of 2,126,860 gallons.



## SECTION V – WATER STORAGE CAPACITY ANALYSIS

### C. PROJECTED REQUIRED CULINARY WATER STORAGE CAPACITY

The projected required culinary water storage capacity at the end of the 10-year planning period and build-out are determined from the same factors explained previously, but the projected number of culinary water ERUs is inserted into the calculations as shown in Table V.C-1 and Table V.C-2.

**Table V.C-1: Projected 10-Year Required Culinary Water Storage Capacity**

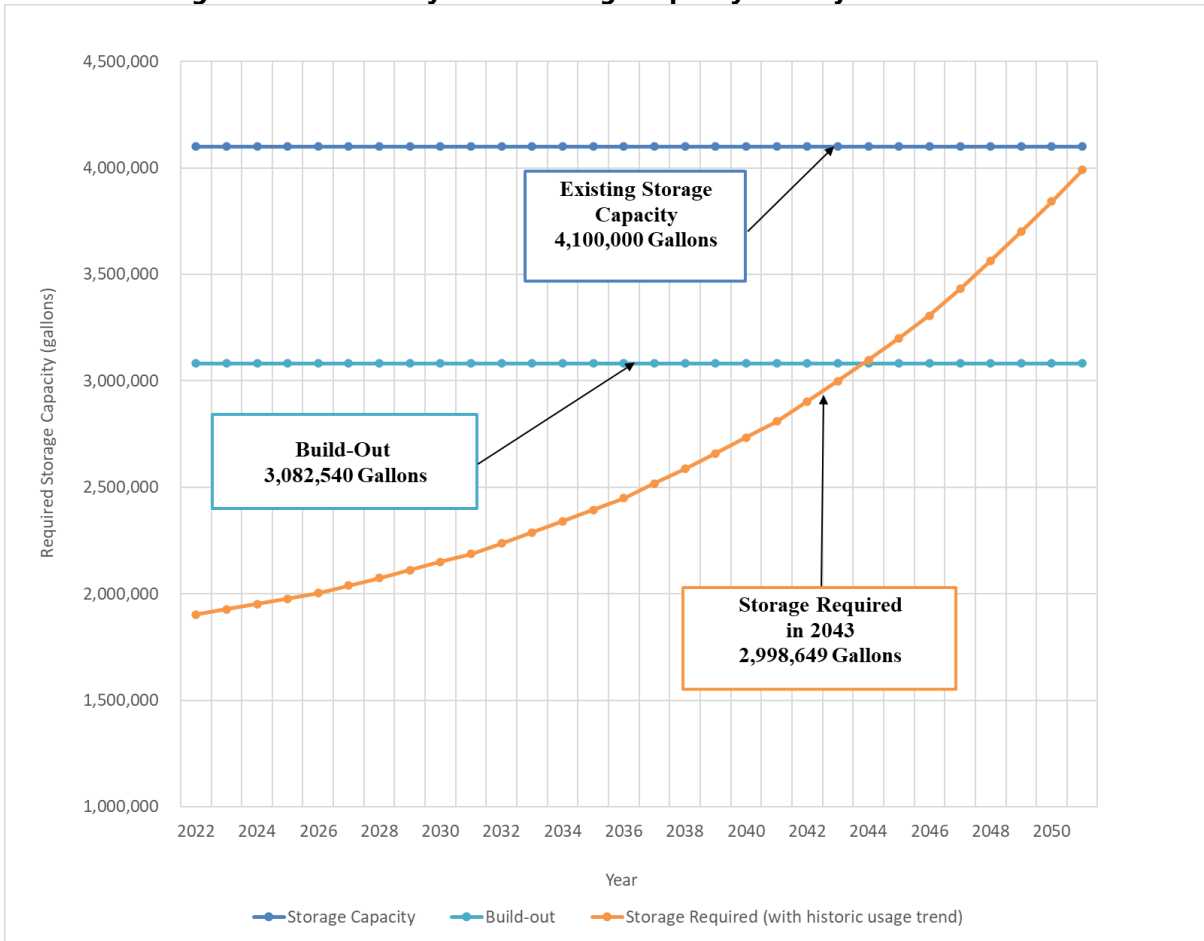
Required Culinary Water Storage Capacity						
$\frac{383 \text{ gpd}}{\text{ERU}}$	X	5,587	ERU	=	2,138,823	gpd
1,250 gpm	X	60 min	X	2 hr	=	150,000 gal.
		1 hr				
<b>Total Existing Required Storage</b>					2,288,823	gal.
<b>Total Existing Capacity</b>					4,100,000	gal.
<b>Existing Capacity Surplus</b>					1,811,177	gal.

**Table V.C-2: Projected Build-out Required Culinary Water Storage Capacity**

Required Culinary Water Storage Capacity						
$\frac{343 \text{ gpd}}{\text{ERU}}$	X	8,557	ERU	=	2,932,540	gpd
1,250 gpm	X	60 min	X	2 hr	=	150,000 gal.
		1 hr				
<b>Total Required Storage</b>					3,082,540	gal.
<b>Total Existing Capacity</b>					4,100,000	gal.
<b>Future Capacity Surplus</b>					1,017,460	gal.

The projected water storage capacity surplus or deficit is determined by subtracting the projected required water storage capacity. The 10-year projection results in a surplus of 1,811,177 gallons, and the build-out projections results in a surplus of 1,017,460 gallons. Figure V.C-1 shows the projected culinary water storage capacity demands vs. the City's existing available storage capacity resources throughout the planning period.

**Figure V.C-1: Culinary Water Storage Capacity vs. Projected Demands**



The District has adequate storage for emergency fire flow and average flows for the 20-year planning horizon, and until estimated year of build-out.

**D. EXISTING ELEVATION CONSTRAINTS**

It should be mentioned that, based on minimum pressure requirements at the service connections, the existing tanks have limitations on the development elevations that the tanks can serve. Currently the areas in Santa Clara’s zoning map designated for future development do not raise any concerns. However, if the “South Hills” area currently zoned as “Open Space” is ever developed this area will require a new tank to accommodate the higher elevation.

**E. RECOMMENDED CULINARY WATER STORAGE CAPACITY IMPROVEMENTS**

The projections in this analysis show that the City has sufficient storage capacity to meet the needs of customers until build-out. It is recommended that the city continue to watch usage trends and population growth and prepare accordingly.

### VI. WATER TREATMENT REQUIREMENTS

#### A. GENERAL REQUIREMENTS

Santa Clara City currently does not chlorinate its culinary water as it is already chlorinated by the Snow Canyon Compact. However, the tank facility in the South Hills was designed with the capability to generate and dose water in the tank with sodium hypochlorite should the chlorine level in the tank drop below acceptable levels.

The Snow Canyon Compact wells currently provide water that exceeds the maximum arsenic levels allowed by the E.P.A. for drinking water. The current practice is to treat this water as necessary by dilution with WCWCD Regional Water at the approximate ratio of 63:37 compact water to regional water and mixing with water from Wells 6 and 7. There are no plans to modify this procedure; however, the City of St. George has recently completed an arsenic treatment plant for the Gunlock Well Fields. This may provide an additional treated source for exchange or mixing. There are treatment options available if necessary.

#### B. RECOMMENDED WATER TREATMENT FACILITY IMPROVEMENTS

No additional water treatment is anticipated with the City's current system. However, continued vigilance is recommended to ensure that the chlorine residual is maintained at various points in the system. Should the water need a chlorine residual, there are several options that the city can consider. One option is to add a sodium hypochlorite plant to generate the chlorine onsite, which can then be injected into the system.

VII. WATER DISTRIBUTION SYSTEM ANALYSIS

A. EXISTING CULINARY DISTRIBUTION SYSTEM ANALYSIS

The State of Utah Administrative Rules for Public Drinking Water Systems, R309-510, require distribution systems to be sized to supply peak instantaneous flows, while maintaining a minimum system pressure of 30 psi. The rule also requires that distribution systems are able to supply peak day flows plus fire flows for a minimum of 1 hour, while maintaining a minimum system pressure of 20 psi. The system also needs to provide peak day flows while maintaining a minimum system pressure of 40 psi. As a general guideline, it is recommended that the system be able to provide a minimum static pressure of 50 psi at every point in the distribution system.

The indoor peak instantaneous demand equation (see Table VII.A-1) is found in the State of Utah Public Administrative Rules for Drinking Water Systems, R309-510. This rule also provides a flow requirement of 9.8 gpm per irrigated acre for use in determining the outdoor peak instantaneous demand. By taking a representative sample of homes/yards in Santa Clara and averaging the area of irrigated landscaping, an average area of 0.13 irrigated acres per ERU was determined and used to estimate the outdoor peak instantaneous demand. The number of outdoor ERUs represents the estimated number of existing ERUs using culinary water for irrigation. This was done by subtracting the number of irrigation ERUs from the total culinary ERUs.

Table VII.A-1: Current Required Distribution Demands

<b>Indoor Peak Instantaneous Demand:</b>					
Q=	10.8 X N <sup>.64</sup>			N=	Number of ERU's
Q=	10.8 X (3775) <sup>.64</sup>				
Q=				=	2,102 gpm
<b>Outdoor Peak Instantaneous Demand:</b>					
	2,937 ERU X	$\frac{0.13 \text{ acre}}{\text{ERU}} \times$	$\frac{9.8 \text{ gpm}}{\text{irr. acre}}$	=	3,742 gpm
	<b>Current Peak Instantaneous Demand</b>			=	<b>5,844 gpm</b>
<b>Peak Day Demand &amp; Fire Flow</b>					
	3,775 ERU's X	$\frac{966 \text{ gpd}}{\text{ERU}} \times$	$\frac{1 \text{ day}}{24 \text{ hr}} \times$	$\frac{1 \text{ hr}}{60 \text{ min.}}$	= 2532 gpm
	Fire Flow			=	1,250 gpm
	<b>Current Peak Day Demand + Fire Flow</b>			=	<b>3,782 gpm</b>

## SECTION VII – WATER DISTRIBUTION SYSTEM ANALYSIS

As previously discussed, the peak day demand is twice the average amount of historical usage, or 966 gpd/ERU. The State regulation for fire flow requires a minimum of 1,000 gpm, but the City has identified 1,250 gpm as a goal for all hydrants throughout the City and therefore 1,250 gpm has been used for this analysis. State regulations require all fire hydrants to be served from 8-inch diameter or larger pipelines unless it can be proven through the use of modeling that 6-inch lines are sufficient.

The existing Santa Clara culinary water distribution system has been modeled for these demands using the computer program infowater® by Innovyze®. The main network of Santa Clara City’s distribution system appears to be providing good service to the majority of connections. At the existing peak day demand, the model shows that all the junctions in the system are able to produce the required fire flows while maintaining the minimum required pressure of 20 psi at all other connections. The system was capable of maintaining pressures of 30 psi at all nodes while experiencing peak instantaneous demands and 40 psi while experiencing peak day demands.

### B. PROJECTED CULINARY DISTRIBUTION SYSTEM ANALYSIS

The projected distribution system analysis is performed using the same assumptions as in the existing system analysis, except that the projected number of ERUs in 2043 are inserted into the calculations. Table VII.B-1 subtracts the projected number of irrigation ERUs in 2043 without the irrigation recommended improvements and Table VII.B-2 subtracts the projected number of irrigation ERUs in 2043 with the recommended irrigation improvement projects. These recommendations have been made to aid in conservation and can be seen in the following section VIII.

**Table VII.B-1: Projected 20-Year Required Distribution Demands without Irrigation Projects**

<b>Indoor Peak Instantaneous Demand:</b>					
Q=	10.8 X N <sup>.64</sup>			N= Number of ERU's	
Q=	10.8 X 8,271 <sup>.64</sup>				
Q=					= 3,473 gpm
<b>Outdoor Peak Instantaneous Demand:</b>					
	3,162 ERU. X	$\frac{0.13 \text{ acre}}{\text{conn.}}$	$\frac{9.8 \text{ gpm}}{\text{irr. acre}}$		= 4,028 gpm
	<b>Projected Peak Instantaneous Demand</b>				<b>= 7,501 gpm</b>
<b>Peak Day Demand &amp; Fire Flow</b>					
	8,271 ERU's X	$\frac{689 \text{ gpd}}{\text{ERU}}$	$\frac{1 \text{ day}}{24 \text{ hr}}$	$\frac{1 \text{ hr}}{60 \text{ min.}}$	= 3,956 gpm
	Fire Flow				= 1,250 gpm
	<b>Projected Peak Day Demand + Fire Flow</b>				<b>= 5,206 gpm</b>

## SECTION VII – WATER DISTRIBUTION SYSTEM ANALYSIS

**Table VII.B-2: Projected 20-Year Required Distribution Demands with Irrigation Projects**

<b>Indoor Peak Instantaneous Demand:</b>					
Q=	10.8 X N <sup>.64</sup>			N= Number of ERU's	
Q=	10.8 X	8,271	<sup>.64</sup>		
Q=					= 3,473 gpm
<b>Outdoor Peak Instantaneous Demand:</b>					
	2,714 ERU. X	<u>0.13 acre</u>	X	<u>9.8 gpm</u>	= <u>3,457 gpm</u>
		conn.		irr. acre	
	<b>Projected Peak Instantaneous Demand</b>				= <b><u>6,930 gpm</u></b>
<b>Peak Day Demand &amp; Fire Flow</b>					
	8,271 ERU's X	<u>689 gpd</u>	X	<u>1 day</u>	= 3,956 gpm
		ERU		24 hr	60 min.
	Fire Flow				= 1,250 gpm
	<b>Projected Peak Day Demand + Fire Flow</b>				= <b><u>5,206 gpm</u></b>

Modeling the future system without any improvements, project that the system is capable of maintaining pressures of 30 psi at all nodes while experiencing peak instantaneous demands and 40 psi while experiencing peak day demands. The system is also capable of providing the minimum required pressure of 20 psi while producing the required fire flow. However, there were areas in the system where pipe flow velocities are anticipated to be above 5 ft/s. Recommendations have been made to decrease flows in these areas.

A final model incorporating the recommended culinary distribution system improvements has also been created. This system was modeled using the projected 2043 system demands with and without irrigation improvements. With these modifications, the system will be able to meet all state requirements and protect pipes by decreasing velocity.

### C. EXISTING IRRIGATION DISTRIBUTION SYSTEM ANALYSIS

Unlike culinary water systems, there are no State irrigation system requirements regarding pressure. However, the same general guideline Sunrise recommends for culinary systems was used for the irrigation distribution system analysis. Namely, that the system be able to provide a minimum static pressure of 50 psi at every point in the distribution system.

The peak day demand, which is twice the average usage of 719 gpd/ERU has been used in this analysis and shown Table VII.C-1.

## SECTION VII – WATER DISTRIBUTION SYSTEM ANALYSIS

**Table VII.C-1: Current Required Distribution Demands**

$$127 \text{ ERU's} \times \frac{1,898 \text{ gpd}}{\text{ERU}} \times \frac{1 \text{ day}}{24 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min.}} = 167 \text{ gpm}$$

The existing Santa Clara irrigation water distribution system has been modeled for these demands using the computer program infowater<sup>®</sup> by Innovyze<sup>®</sup>. The main network of Santa Clara City's distribution system appears to be providing sufficient service to all of the connections. At the existing average day demand and peak day demand, the model shows that all the junctions in the system are able to produce the recommended 50 psi.

### D. PROJECTED IRRIGATION DISTRIBUTION SYSTEM ANALYSIS

The projected distribution system analysis is performed using the same assumptions as in the existing system analysis, except that the projected number of ERUs in 2043 are inserted into the calculations. The projected peak day demand is calculated in Table VII.D-1 below.

**Table VII.D-1: Projected 20-Year Required Distribution Demands**

$$2,303 \text{ ERU's} \times \frac{1,260 \text{ gpd}}{\text{ERU}} \times \frac{1 \text{ day}}{24 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min.}} = 2,015 \text{ gpm}$$

Modeling the future system with the included expansion projects shows that the system is capable of maintaining pressures of 50 psi at all nodes while experiencing peak demands. More infowater analysis information can be found in Appendix B.

### E. RECOMMENDED DISTRIBUTION SYSTEM IMPROVEMENTS

In an effort to meet the State requirements for future demands and improve conservation efforts the following distribution system improvements are recommended. The recommendations exhibits are shown in Appendix A.

- New 12" line connecting North Hamblin Parkway to North Town Road
- 10" to 12" PRV Enlargement
- 12" Line to connect Wells 6/7 to the Snow Canyon Tank
- New 8" irrigation line along Riesling Avenue
- New 8" irrigation line along Crestview Drive
- New 8" irrigation line to connect Villa Bonita subdivision
- New 8" line along North Town Road
- New 8" line along Sycamore Drive

**VIII. SUMMARY OF RECOMMENDED SYSTEM IMPROVEMENTS**

**A. RECOMMENDED SYSTEM IMPROVEMENTS**

Based on the findings from Sections III - VII, showing immediate system needs as well as requirements for growth projected over the next 20 years and build-out, it is recommended that the City proceed with a construction project to implement improvements as required to bring the system into conformance with State rules and maintain the same level of service. Table VIII.A-1 summarizes the recommended improvements.

**Table VIII.A-1: Recommended System Improvements**

RECOMMENDED WATER SYSTEM IMPROVEMENTS	
ANALYSIS	RECOMMENDED IMPROVEMENTS
1. Water Rights	Recommendations given in the Water Rights Report including: <ol style="list-style-type: none"> <li>1. Application changes</li> <li>2. Title changes</li> <li>3. Proof of Beneficial Use</li> <li>4. State flow correction</li> <li>5. Purchase additional Water Shares</li> </ol>
2. Water Source Capacity	A new well
3. Water Storage Capacity	No improvements
4. Water Treatment	Continue to monitor chlorine residual in system
5. Distribution System	<ol style="list-style-type: none"> <li>1. New 12” line connecting North Hamblin Parkway to North Town Road</li> <li>2. 10” to 12” PRV Enlargement</li> <li>3. New 12” Line to connect Wells 6/7 to the Snow Canyon Tank</li> <li>4. New 8” irrigation line along Riesling Avenue</li> <li>5. New 8” irrigation line along Crestview Drive</li> <li>6. New 8” irrigation line to connect Villa Bonita subdivision</li> <li>7. New 8” line along North Town Road</li> <li>8. New 8” line along Sycamore Drive</li> </ol>



**B. PRELIMINARY ENGINEER’S OPINION OF PROBABLE COST**

An Engineer’s Opinion of Probable Cost (EOPC) for the recommended water system improvements has been provided in Appendix D.

The EOPC includes all anticipated construction costs, contingency budgets, and all other normal project costs such as survey, administration, engineering, legal services, fiscal costs, rights-of-way, etc. A summary of the project cost estimates is included in Table VIII.B-1.

**Table VIII.B-1: Project Cost Summary**

<b>Project Description</b>	<b>Total Cost</b>
Culinary: Water Right Recommendations	\$ 18,000
Culinary: North Hamblin Pkwy to North Town Rd 12" Line	\$ 292,400
Culinary: 10" to 12" PRV Enlargement	\$ 208,550
Culinary: 12" Line Well Connection to Snow Canyon Tank	\$ 4,170,000
Culinary: New Well	\$ 2,114,350
Irrigation: Riesling Avenue 8" Line	\$ 136,140
Irrigation: Crestview Drive 8" Line	\$ 505,230
Irrigation: Villa Bonita 8" Line	\$ 99,900
Irrigation: North Town Road 8" Line	\$ 579,665
Irrigation: Sycamore Drive 8" Line	\$ 124,470
Irrigation: Claude Drive 8" Line	\$ 124,470
Irrigation: Additional Water Share Purchase	\$ 363,600
<b>TOTAL PROJECT COSTS</b>	<b>\$ 8,736,775</b>

**C. PROPOSED FINANCING PLAN**

The City plans to self-fund the proposed projects. Table VIII.C-1 outlines a sample financing scenario for the recommended improvements starting in fiscal year 2024/25. It is assumed that no grants will be received and that all projects will be completed within 14 years.

**SECTION VIII – SUMMARY OF RECOMMENDED SYSTEM IMPROVEMENTS**

<b>TABLE VIII.C-1 PROPOSED FINANCING PLAN</b>			
<b>PROJECT COST 2024/25</b>			<b>\$ 624,055</b>
<b>FY 2024/25 EXPENSES</b>			
<b>Proposed Funding:</b>	<b>Rate</b>	<b>Term in Yrs.</b>	<b>Principal</b>
Self Participation			624,055
<b>TOTAL PROJECT FUNDING:</b>			<b>\$624,055</b>
<b>EXPENSES: (First Year of New Debt Serv. Pmt.)</b>			
Salaries, Wages, & Benefits (100's)			\$659,545
Materials & Supplies (200's)			\$444,095
Professional & Technical Services (300's)			\$51,577
Special Dept. Materials & Supplies (400's)			\$70,481
Other Charges (500's)			\$28,411
Capital Expenses (700's)			\$178,115
Others (900's)			\$658,344
		<b>Subtotal Operations and Maintenance:</b>	<b>\$2,090,567</b>
<b>EXISTING DEBT SERVICE</b>		<b>Not Impact Fee Eligible</b>	
Debt Payment to Water District	58%		\$36,888
All other Debt			\$165,719
		<b>Subtotal Existing Annual Debt Service:</b>	<b>\$202,607</b>
Renewal and Replacement Fund			\$156,349
		<b>GRAND TOTAL EXPENSES:</b>	<b>\$3,073,578</b>
<b>ANNUAL INCOME</b>			
Other Operating Revenues			58,460.89
Interest Income			41,554.41
Connection Fees			36,885.00
Impact Fees			480,022.65
Total Number Of ERU's			3,926
Average Monthly Water User Rate/ERU (Without WCWCD Surcharge)			<b>\$52.15</b>
WCWCD Surcharge			<b>\$1.75</b>
Average Monthly Water User Rate/ERU (With WCWCD Surcharge)			<b>\$53.90</b>
		<b>TOTAL ANNUAL INCOME:</b>	<b>\$3,073,578</b>

**IX. WATER RATE ANALYSIS**

**A. GENERAL**

Generally, water rates are a combination of base rates and overage rates wherein a base amount of water is provided for the base rate charge. The base rate is charged to all connections in the system whether or not water is used and should cover all fixed costs of the system. Overage rates are normally set to encourage water conservation but should always cover all variable costs of the system. The City has established the following service fee rate structures shown in Table IX.A-1 and Table IX.A-2:

**Table IX.A-1: Existing Culinary Water Rates**

Current Overage Rates (Per 1,000 Gallons)		Monthly Base Rate	
		Meter Size	\$/month
5001-9000	\$ 0.90	5/8" & 3/4"	\$ 32.00
9001-16000	\$ 1.43	1"	\$ 57.60
16001-23000	\$ 1.68	1-1/2"	\$ 128.00
23001-30000	\$ 2.12	2"	\$ 224.00
30001-45000	\$ 2.56	3"	\$ 512.00
45001-60000	\$ 3.12	4"	\$ 928.00
60001 & UP	\$ 3.12	6"	\$ 2,048.00

**Table IX.A-2: Existing Irrigation Water Rates**

Current Overage Rates (Per 1,000 Gallons)		Monthly Base Rate	
		Meter Size	\$/month
9000-16,000	\$ 0.74	All Meters	\$ 22.00
16,001-23,000	\$ 0.92		
23,000-30,000	\$ 1.23		
30,001 & UP	\$ 1.46		

**B. AVERAGE RATE DETERMINATION FOR FY2024**

*Culinary Rate*

Table IX.B-1 shows a method used to determine the average water rate per ERU which should be divided among all system customers. The table uses data for the year of the new debt service (2024) and uses the existing and new debt service as part of the equation.

Annual revenues must be sufficient to cover the expenses incurred by the construction, maintenance, and administration of the water system. These expenses could include items such as debt service, personnel services, operation & maintenance, insurance, and other supplies & expenses. It is strongly recommended that the city maintain a funded depreciation account or a replacement fund to provide the money necessary for replacement and repair of water department facilities and pipelines.

## SECTION IX - WATER RATE ANALYSIS

Based on the calculations shown in Table VIII.C-1, the average water rate per residential connection (1 ERU) for any newly adopted rate structure for the year 2024 would need to be approximately \$52.15. It should be noted that this assumes that the system has grown to 3,926 ERUs and that the district has chosen to pursue construction of the proposed improvements. It is estimated that this rate would allow the city to pay the debt and operations costs associated with the culinary water system. The existing average monthly user rate revenue per residential connection in 2021 was calculated to be \$41.45 and determined to be insufficient to meet the \$52.15 per ERU that was calculated. A rate increase of \$10.70 is estimated to be needed to cover the anticipated expenses; however, rates should be looked at annually as expenses increase in a typical year.

**Table IX.B-1: Culinary Fixed Rate Analysis**

<b>FIXED RATE ANALYSIS</b>			
<b>Estimated FY 2024 Expenses</b>	<b>Fixed</b>	<b>Variable</b>	<b>Total</b>
Salaries, Wages, & Benefits (100's)	\$ 461,682	\$ 197,864	\$ 659,545
Materials & Supplies (200's)	\$ 310,867	\$ 133,229	\$ 444,095
Professional & Technical Services (300's)	\$ 36,104	\$ 15,473	\$ 51,577
Special Dept. Materials & Supplies (400's)	\$ 49,337	\$ 21,144	\$ 70,481
Other Charges (500's)	\$ 19,888	\$ 8,523	\$ 28,411
Capital Expenses (700's)	\$ 124,680	\$ 53,434	\$ 178,115
Others (900's)	\$ 460,841	\$ 197,503	\$ 658,344
<b>EXISTING DEBT SERVICE</b>	\$ -		
Debt Payment to Water District	\$ 36,888	\$ -	\$36,888
All other Debt	\$ 165,719	\$ -	\$165,719
	\$ -		
<b>NEW DEBT SERVICE</b>	\$ -		
Division of Water Resources	\$ -	\$ -	\$ -
Revenue Bond Reserves 10%	\$ -	\$ -	\$ -
<b>Estimated FY 2024 Revenue (Excluding User Fees)</b>			
Other Operating Revenues	\$ 40,923	\$ 17,538	\$ 58,461
Connection Fees	\$ 9,221	\$ 27,664	\$ 36,885
Impact Fees	\$ 120,006	\$ 360,017	\$ 480,023
Interest Income	\$ 10,589	\$ 31,767	\$ 42,356
<b>Total Expenses:</b>	<b>\$ 2,165,248</b>	<b>\$ 908,330</b>	<b>\$ 3,073,578</b>
<b>Total Revenue:</b>	<b>\$ 180,738</b>	<b>\$ 436,986</b>	<b>\$ 617,724</b>
Total Projected System ERUs in FY2024	3,926		3,926
<b>Monthly Cost/ERU in FY2024</b>	<b><u>\$42.15</u></b>	<b><u>\$10.01</u></b>	<b><u>\$52.15</u></b>

*Irrigation Rate*

A similar method to determine culinary water rates was used for irrigation. However, all the proposed projects for the irrigation system have been included as culinary projects because they minimize future culinary outdoor usage. Because of this, the only costs incorporated in the irrigation system rate determination is an anticipated cost of \$50,000 for maintaining and operating the system. This value was assumed based on comparison of the city culinary system expenses and size in relation to the irrigation system size. Because the usage between residential and "other" connections is so different in the irrigation system, rates were also determined based on connection type rather than ERUs. This is shown in Table IX.B-2 below.

**Table IX.B-2: Irrigation Fixed Rate Analysis**

<b>FIXED RATE ANALYSIS</b>			
<b>Estimated Annual Expenses FY 2023/24</b>			
	<b>Fixed</b>	<b>Variable</b>	<b>Total</b>
Operating Expenses	\$ 40,000	\$ 10,000	\$50,000
Project Cost	\$ -	\$ -	\$ -
Renewal and Replacement Fund	\$ -	\$ 2,500	\$2,500
<b>Total Expenses:</b>	<b>\$ 40,000</b>	<b>\$ 12,500</b>	<b>\$ 52,500</b>
<b>Estimated Annual Revenue FY 2023/24</b>			
Residential Connections			54
"Other" Connections			8
<b>Monthly Cost/Res Connection</b>	<u>\$17.15</u>	<u>\$5.36</u>	<u>\$22.51</u>
<b>Monthly Cost/"Other" Connection</b>	<u>\$300.93</u>	<u>\$94.04</u>	<u>\$394.97</u>

**C. BASE AND OVERAGE RATE DETERMINATION**

This study includes separating the average user rate into base and overage rates and investigates possible rate structures that would promote conservation and work hand-in-hand with drought management policies. In order to determine a base and overage schedule, the projected expenses of the water system for 2024 have been separated into fixed and variable expenses (Table IX.B-1). It is recommended that the base rate should cover the fixed expenses of the system. Tables IX.B-1 and XI.B-2 above suggest possible scenarios for determining base and overage rates for the city. Fixed costs are covered by the base rate and variable costs are covered by the overage rates. This rate scenario simply identifies base and overage rates that should satisfy the revenue requirements based on estimated operation and maintenance (O&M) expenses and on projected water usage. The city is able to set the rate structure to any amount it deems to be fair. However, the rates should be such that the system remains financially viable. The city may decide to lower the base rate and increase variable costs in order to promote further conservation.

The city should have a rate schedule that will result in revenues that will provide the necessary culinary water system improvements as recommended in this Plan and maintain the current level of O&M. The base and overage rates should be examined each year to ensure that enough revenue is being generated to cover the expenses.

**D. POSSIBLE RATE STRUCTURE**

*Culinary Rate Structure*

Table IX.D-1 illustrates a possible rate structure based on the base and overage rates suggested in Section C and city council preference. This rate structure is designed to have an average bill of \$52.15+ per ERU each month. The average bill was determined using the average monthly water use of approximately 14,700 gallons which is based on the historical average usage of 483 gpd. The way to confirm that the average rate produced will cover annual expenses is to implement the structure and evaluate the results after a full year of use.

Calculations based on the City’s financial data show that the proposed rate structures should provide an average rate revenue sufficient to sustain the system. It is recommended that, if in a given year there are excess funds generated by the existing rate, these funds be saved in an interest-bearing Renewal and Replacement account for expenditures on future projects.

**Table IX.D-1: Possible Culinary Rate Structure with no Water Included**

Proposed Overage Rates (Per 1,000 Gallons)		Monthly Base Rate		Average Rate Based on Usage
		Meter Size	\$/month	
0000-9000	\$ 0.92	5/8" & 3/4"	\$ 37.25	\$ 53.80
9001-16000	\$ 1.45	1"	\$ 62.85	\$ 220.08
16001-23000	\$ 1.70	1-1/2"	\$ 133.25	\$ 290.48
23001-30000	\$ 2.35	2"	\$ 229.25	\$ 460.87
30001-36000	\$ 3.00	3"	\$ 517.25	\$ 748.87
36001-& UP	\$ 4.30	4"	\$ 933.25	\$ 1,164.87

*Irrigation Rate Structure*

Tables IX.D-2 illustrates a possible rate structure based on the base and overage rates suggested in Section C and city council preference. The overage rate structures are stepped to promote conservation by charging a higher amount for excessive water usage. The structure has also been split by meter size. This was done to better monitor high users (classified as “other” ERUs) because one residential ERU is equivalent to 17.55 “other” ERUs and it is predicted that they will contribute to more than half of the ERUs, but only 10 actual meters by 2033. Because of this, the current average of \$313.52/month per “other” connection is not sufficient and will need to be increased to \$394.97/month.

## SECTION IX - WATER RATE ANALYSIS

**Table IX.D-2: Possible Irrigation Rate Structure**

Meter Size	Base Rate	Tiered Rate above Base (per 1,000 gal)	Gallon Range for Tiered Rate	Max Rate Per Range	Average Rate Based on Usage
3/4"-1"	\$ 20.00	\$ 0.25	0 to 5000	\$ 21.25	\$ 24.43
		\$ 0.50	5000 to 10000	\$ 23.75	
		\$ 0.75	10001 to 15000	\$ 27.50	
		\$ 1.00	15001 to 20000	\$ 32.50	
		\$ 1.25	20001 & UP	\$ 32.50 +	
1 1/2"	\$ 20.00	\$ 0.30	0 to 5000	\$ 21.50	\$ 309.00
		\$ 0.40	5000 to 10000	\$ 23.50	
		\$ 0.50	10001 to 15000	\$ 26.00	
		\$ 0.60	15001 to 20000	\$ 29.00	
		\$ 0.70	20001 & UP	\$ 29.00 +	
2"	\$ 22.00	\$ 0.30	0 to 10000	\$ 25.00	\$ 368.70
		\$ 0.40	10001 to 15000	\$ 27.00	
		\$ 0.50	15001 to 20000	\$ 29.50	
		\$ 0.60	20001 to 30000	\$ 35.50	
		\$ 0.70	30001 & UP	\$ 35.50 +	
3"	\$ 50.00	\$ 0.30	0 to 10000	\$ 53.00	\$ 396.70
		\$ 0.40	10001 to 15000	\$ 55.00	
		\$ 0.50	15001 to 20000	\$ 57.50	
		\$ 0.60	20001 to 30000	\$ 63.50	
		\$ 0.70	30001 & UP	\$ 63.50 +	
4"	\$ 100.00	\$ 0.30	0 to 10000	\$ 103.00	\$ 444.60
		\$ 0.40	10001 to 15000	\$ 105.00	
		\$ 0.50	15001 to 20000	\$ 107.50	
		\$ 0.60	20001 to 30000	\$ 113.50	
		\$ 0.70	30001 & UP	\$ 113.50 +	

Calculations based on the City's financial data show that the proposed rate structures should provide an average rate revenue sufficient to sustain the system. It is recommended that, if in a given year there are excess funds generated by the existing rate, these funds be saved in an interest-bearing Renewal and Replacement account for expenditures on future projects.

### E. POSSIBLE DROUGHT RATE STRUCTURES

#### *Culinary Drought Rate Structure*

WCWCD has implemented a drought contingency plan consisting of 5 stages: Conserve, Caution, Concern, Crisis, and Catastrophic. Each of these stages represent increasing degrees of drought severity and identify how a city should act in each stage. For example, in the "Catastrophic" Stage all outdoor water usage should be halted, and indoor usage should be reduced by 30%. The "Conserve" stage is assumed to be the current Santa Clara stage and the proposed rate structure represents these efforts. Should the other 4 stages ever be implemented in the city the following rate structures are recommended. This will ensure the city still receives the necessary funds to maintain and operate the system even with the reduction in water usage.

## SECTION IX - WATER RATE ANALYSIS

**Table IX.E-1: Possible Culinary Drought Rate Structure- Caution Stage**

Proposed Overage Rates (Per 1,000 Gallons)		Monthly Base Rate		Average Rate Based on Usage
		Meter Size	\$/month	
0000-9000	\$ 1.03	5/8" & 3/4"	\$ 37.25	\$ 52.18
9001-16000	\$ 1.56	1"	\$ 62.85	\$ 200.68
16001-23000	\$ 1.81	1-1/2"	\$ 133.25	\$ 271.08
23001-30000	\$ 3.25	2"	\$ 229.25	\$ 431.68
30001-36000	\$ 3.69	3"	\$ 517.25	\$ 719.68
36001-& UP	\$ 4.25	4"	\$ 933.25	\$ 1,135.68

**Table IX.E-2: Possible Culinary Drought Rate Structure- Concern Stage**

Proposed Overage Rates (Per 1,000 Gallons)		Monthly Base Rate		Average Rate Based on Usage
		Meter Size	\$/month	
0000-9000	\$ 1.35	5/8" & 3/4"	\$ 37.25	\$ 52.22
9001-16000	\$ 1.88	1"	\$ 62.85	\$ 174.51
16001-23000	\$ 2.13	1-1/2"	\$ 133.25	\$ 244.91
23001-30000	\$ 3.57	2"	\$ 229.25	\$ 397.12
30001-36000	\$ 4.01	3"	\$ 517.25	\$ 685.12
36001-& UP	\$ 4.57	4"	\$ 933.25	\$ 1,101.12

**Table IX.E-3: Possible Culinary Drought Rate Structure- Crisis Stage**

Proposed Overage Rates (Per 1,000 Gallons)		Monthly Base Rate		Average Rate Based on Usage
		Meter Size	\$/month	
0000-9000	\$ 2.57	5/8" & 3/4"	\$ 37.25	\$ 52.16
9001-16000	\$ 3.10	1"	\$ 62.85	\$ 123.09
16001-23000	\$ 3.35	1-1/2"	\$ 133.25	\$ 193.49
23001-30000	\$ 4.79	2"	\$ 229.25	\$ 316.21
30001-36000	\$ 5.23	3"	\$ 517.25	\$ 604.21
36001-& UP	\$ 5.79	4"	\$ 933.25	\$ 1,020.21

**Table IX.E-4: Possible Culinary Drought Rate Structure- Catastrophic Stage**

Proposed Overage Rates (Per 1,000 Gallons)		Monthly Base Rate		Average Rate Based on Usage
		Meter Size	\$/month	
0000-9000	\$ 3.93	5/8" & 3/4"	\$ 37.25	\$ 52.18
9001-16000	\$ 4.46	1"	\$ 62.85	\$ 124.53
16001-23000	\$ 4.71	1-1/2"	\$ 133.25	\$ 194.93
23001-30000	\$ 6.15	2"	\$ 229.25	\$ 311.85
30001-36000	\$ 6.59	3"	\$ 517.25	\$ 599.85
36001-& UP	\$ 7.15	4"	\$ 933.25	\$ 1,015.85



## SECTION IX - WATER RATE ANALYSIS

### *Irrigation Drought Rate Structure*

The irrigation rate structures recommended in a drought follow the same stages as the culinary system. The "Conserve" stage is assumed to be the current Santa Clara stage and the proposed rate structure represents these efforts. Should the other 4 stages ever be implemented in the city the following rate structures are recommended. This will ensure the city still receives the necessary funds to maintain and operate the system even with the reduction in water usage.

**Table IX.E-5: Possible Irrigation Drought Rate Structure- Caution Stage**

Meter Size	Base Rate	Tiered Rate above Base (per 1,000 gal)	Gallon Range for Tiered Rate	Max Rate Per Range	Average Rate Based on Usage
3/4"-1"	\$ 20.00	\$ 0.35	0 to 5000	\$ 21.75	\$ 23.97
		\$ 0.60	5000 to 10000	\$ 24.75	
		\$ 0.85	10001 to 15000	\$ 29.00	
		\$ 1.10	15001 to 20000	\$ 34.50	
		\$ 1.35	20001 & UP	\$ 34.50 +	
1 1/2"	\$ 20.00	\$ 0.40	0 to 5000	\$ 22.00	\$ 283.80
		\$ 0.50	5000 to 10000	\$ 24.50	
		\$ 0.60	10001 to 15000	\$ 27.50	
		\$ 0.70	15001 to 20000	\$ 31.00	
		\$ 0.80	20001 & UP	\$ 31.00 +	
2"	\$ 22.00	\$ 0.40	0 to 10000	\$ 26.00	\$ 338.34
		\$ 0.50	10001 to 15000	\$ 28.50	
		\$ 0.60	15001 to 20000	\$ 31.50	
		\$ 0.70	20001 to 30000	\$ 38.50	
		\$ 0.80	30001 & UP	\$ 38.50 +	
3"	\$ 50.00	\$ 0.40	0 to 10000	\$ 54.00	\$ 366.34
		\$ 0.50	10001 to 15000	\$ 56.50	
		\$ 0.60	15001 to 20000	\$ 59.50	
		\$ 0.70	20001 to 30000	\$ 66.50	
		\$ 0.80	30001 & UP	\$ 66.50 +	
4"	\$ 100.00	\$ 0.40	0 to 10000	\$ 104.00	\$ 414.42
		\$ 0.50	10001 to 15000	\$ 106.50	
		\$ 0.60	15001 to 20000	\$ 109.50	
		\$ 0.70	20001 to 30000	\$ 116.50	
		\$ 0.80	30001 & UP	\$ 116.50 +	

## SECTION IX - WATER RATE ANALYSIS

**Table IX.E-6: Possible Irrigation Drought Rate Structure- Concern Stage**

Meter Size	Base Rate	Tiered Rate above Base (per 1,000 gal)	Gallon Range for Tiered Rate	Max Rate Per Range	Average Rate Based on Usage
3/4"-1"	\$ 20.00	\$ 0.50	0 to 5000	\$ 22.50	\$ 23.63
		\$ 0.75	5000 to 10000	\$ 26.25	
		\$ 1.00	10001 to 15000	\$ 31.25	
		\$ 1.25	15001 to 20000	\$ 37.50	
		\$ 1.50	20001 & UP	\$ 37.50 +	
1 1/2"	\$ 20.00	\$ 0.65	0 to 5000	\$ 23.25	\$ 279.60
		\$ 0.75	5000 to 10000	\$ 27.00	
		\$ 0.85	10001 to 15000	\$ 31.25	
		\$ 0.95	15001 to 20000	\$ 36.00	
		\$ 1.05	20001 & UP	\$ 36.00 +	
2"	\$ 22.00	\$ 0.65	0 to 10000	\$ 28.50	\$ 333.28
		\$ 0.75	10001 to 15000	\$ 32.25	
		\$ 0.85	15001 to 20000	\$ 36.50	
		\$ 0.95	20001 to 30000	\$ 46.00	
		\$ 1.05	30001 & UP	\$ 46.00 +	
3"	\$ 50.00	\$ 0.65	0 to 10000	\$ 56.50	\$ 361.28
		\$ 0.75	10001 to 15000	\$ 60.25	
		\$ 0.85	15001 to 20000	\$ 64.50	
		\$ 0.95	20001 to 30000	\$ 74.00	
		\$ 1.05	30001 & UP	\$ 74.00 +	
4"	\$ 100.00	\$ 0.65	0 to 10000	\$ 106.50	\$ 409.39
		\$ 0.75	10001 to 15000	\$ 110.25	
		\$ 0.85	15001 to 20000	\$ 114.50	
		\$ 0.95	20001 to 30000	\$ 124.00	
		\$ 1.05	30001 & UP	\$ 124.00 +	

**Table IX.E-7: Possible Irrigation Drought Rate Structure- Crisis Stage**

Meter Size	Base Rate	Tiered Rate above Base (per 1,000 gal)	Gallon Range for Tiered Rate	Max Rate Per Range	Average Rate Based on Usage
3/4"-1"	\$ 20.00	\$ 2.50	0 to 5000	\$ 32.50	\$ 22.75
		\$ 2.75	5000 to 10000	\$ 46.25	
		\$ 3.00	10001 to 15000	\$ 61.25	
		\$ 3.25	15001 to 20000	\$ 77.50	
		\$ 3.50	20001 & UP	\$ 77.50 +	
1 1/2"	\$ 20.00	\$ 5.00	0 to 5000	\$ 45.00	\$ 289.00
		\$ 5.50	5000 to 10000	\$ 72.50	
		\$ 6.00	10001 to 15000	\$ 102.50	
		\$ 6.50	15001 to 20000	\$ 135.00	
		\$ 7.00	20001 & UP	\$ 135.00 +	
2"	\$ 22.00	\$ 5.00	0 to 10000	\$ 72.00	\$ 338.70
		\$ 5.50	10001 to 15000	\$ 99.50	
		\$ 6.00	15001 to 20000	\$ 129.50	
		\$ 6.50	20001 to 30000	\$ 194.50	
		\$ 7.00	30001 & UP	\$ 194.50 +	
3"	\$ 50.00	\$ 5.00	0 to 10000	\$ 100.00	\$ 366.70
		\$ 5.50	10001 to 15000	\$ 127.50	
		\$ 6.00	15001 to 20000	\$ 157.50	
		\$ 6.50	20001 to 30000	\$ 222.50	
		\$ 7.00	30001 & UP	\$ 222.50 +	
4"	\$ 100.00	\$ 5.00	0 to 10000	\$ 150.00	\$ 414.60
		\$ 5.50	10001 to 15000	\$ 177.50	
		\$ 6.00	15001 to 20000	\$ 207.50	
		\$ 6.50	20001 to 30000	\$ 272.50	
		\$ 7.00	30001 & UP	\$ 272.50 +	

## SECTION IX - WATER RATE ANALYSIS

**Table IX.E-8: Possible Irrigation Drought Rate Structure- Catastrophic Stage**

Meter Size	Base Rate	Tiered Rate above Base (per 1,000 gal)	Gallon Range for Tiered Rate	Max Rate Per Range	Average Rate Based on Usage
3/4"-1"	\$ 22.50	\$ 2.50	0 to 5000	\$ 35.00	\$ 22.50
		\$ 2.75	5000 to 10000	\$ 48.75	
		\$ 3.00	10001 to 15000	\$ 63.75	
		\$ 3.25	15001 to 20000	\$ 80.00	
		\$ 3.50	20001 & UP	\$ 80.00 +	
1 1/2"	\$ 200.00	\$ 5.00	0 to 5000	\$ 225.00	\$ 200.00
		\$ 5.50	5000 to 10000	\$ 252.50	
		\$ 6.00	10001 to 15000	\$ 282.50	
		\$ 6.50	15001 to 20000	\$ 315.00	
		\$ 7.00	20001 & UP	\$ 315.00 +	
2"	\$ 250.00	\$ 5.00	0 to 10000	\$ 300.00	\$ 250.00
		\$ 5.50	10001 to 15000	\$ 327.50	
		\$ 6.00	15001 to 20000	\$ 357.50	
		\$ 6.50	20001 to 30000	\$ 422.50	
		\$ 7.00	30001 & UP	\$ 422.50 +	
3"	\$ 400.00	\$ 5.00	0 to 10000	\$ 450.00	\$ 400.00
		\$ 5.50	10001 to 15000	\$ 477.50	
		\$ 6.00	15001 to 20000	\$ 507.50	
		\$ 6.50	20001 to 30000	\$ 572.50	
		\$ 7.00	30001 & UP	\$ 572.50 +	
4"	\$ 500.00	\$ 5.00	0 to 10000	\$ 550.00	\$ 500.00
		\$ 5.50	10001 to 15000	\$ 577.50	
		\$ 6.00	15001 to 20000	\$ 607.50	
		\$ 6.50	20001 to 30000	\$ 672.50	
		\$ 7.00	30001 & UP	\$ 672.50 +	

The drought rate structures only change the overage rates from the proposed rate structure with the exception of the irrigation "Catastrophic" stage. This stage completely eliminates any outdoor usage, so changing overage rates would be ineffective and so Base rates were updated to ensure necessary funds can still be obtained.

### F. SUMMARY

Based on the District's financial data and the information presented in this Plan, the existing rates have been determined to be insufficient to meet the \$52.15 per culinary ERU and \$394.97 per irrigation "other" connection that is needed per the Financing Plan. A rate increase of \$10.70 and \$81.45, respectively, is estimated to be needed to cover the anticipated expenses. Water rates and fees should be reviewed by the city periodically to ensure that they keep up with inflation rates and increased costs for system maintenance. The Cash Flow Projection included in Appendix E assumes a yearly rate increase of 1.25% based on inflation.

The city does not have to adopt the amounts shown in the rate analysis. However, the rates suggested are calculated to be enough to ensure that the water fund remains viable while paying for the existing debt service and the projected debt based on the recommendations in this plan.

## X. IMPACT FEES

### A. IMPACT FEE

This report constitutes a capital fee facilities plan to determine the public facilities requirement to serve development resulting from new development activity. An impact fee that is charged by a community may be used to pay for the debt service associated with surplus capacity built into the system. The surplus capacity in the water system has been designed for growth, and for this reason, impact fees should pay for that portion of the debt service associated with the system surplus capacity. The impact fee should also be used to pay for the cost of improvements to the system that are required to support new growth as new connections are added to the system.

### B. CULINARY & IRRIGATION COMBINED CALCULATION

The total cost that is eligible for the impact fee assessment is equal to the existing debt service from previous water improvements projects that can be attributed to new growth plus the portion of any planned water improvements project that will be constructed to accommodate new growth. The combined total cost that is due to new growth is divided by the projected number of new ERUs that will be added to the system within the service area.

Currently the system meets all requirements and community demands for a culinary system except for the Water Right analysis recommendations which are needed regardless of new growth. This means that all other improvements are recommended to benefit new growth and are therefore 100% impact fee eligible. The impact fee calculation resulting from culinary and irrigation projects being analyzed together can be found in Table X.B-1.

**TABLE X.B-1**  
**IMPACT FEE ANALYSIS FY2023/2024**  
**WATER MASTER PLAN**  
**SANTA CLARA CITY**

22-May-23

<b>EXISTING DEBT SERVICE</b>				
	<b>P&amp;I</b>	<b>% Eligible</b>	<b>% Water Dept.</b>	<b>Eligible</b>
Debt Payment to Water District	\$ 1,272,000	58%		\$ 737,760
All other Debt	\$ 5,714,440	58%		\$ 3,314,375
<b>Existing/Past Projects Impact Fee Eligible Costs:</b>				<b>\$ 4,052,135</b>
<b>PROPOSED IMPROVEMENT PROJECTS</b>				
	<b>Total Cost</b>	<b>% Eligible</b>	<b>Impact Fee Eligible</b>	
Culinary: Water Right Recommendations	\$ 18,000	0%	\$	-
Culinary: North Hamblin Pkwy to North Town Rd 1	\$ 292,400	100%		\$292,400
Culinary: 10" to 12" PRV Enlargement	\$ 208,550	100%		\$208,550
Culinary: 12" Line Well Connection to Snow Canyon	\$ 4,170,000	100%		\$4,170,000
Culinary: New Well	\$ 2,114,350	100%		\$2,114,350
Irrigation: Riesling Avenue 8" Line	\$ 136,140	100%		\$136,140
Irrigation: Crestview Drive 8" Line	\$ 505,230	100%		\$505,230
Irrigation: Villa Bonita 8" Line	\$ 99,900	100%		\$99,900
Irrigation: North Town Road 8" Line	\$ 579,665	100%		\$579,665
Irrigation: Sycamore Drive 8" Line	\$ 124,470	100%		\$124,470
Irrigation: Claude Drive 8" Line	\$ 124,470	100%		\$124,470
Irrigation: Additional Water Share Purchase	\$ 363,600	100%		\$363,600
<b>Total Estimated New Project Cost</b>	<b>\$ 8,736,775</b>	<b>99.8%</b>	<b>\$</b>	<b>8,718,775</b>
<b>% Of New Projects Cost Due to New Growth</b>			<b>\$</b>	<b>8,718,775</b>
<b>Impact Fee Eligible Cost</b>			<b>\$</b>	<b>8,718,775</b>
No. of ERUs (2023/2024)				3,775
20-Year Projected ERUs				7,953
No. of New ERUs Due to Growth				4,178
<b>Total Impact Fee Eligible Cost</b>			<b>\$</b>	<b>12,770,910</b>
<b>Maximum Water Impact Fee = Total Eligible Cost / New ERU's</b>			<b>\$</b>	<b>3,056.75 /ERU.</b>
<b>Proposed Water Impact Fee for Santa Clara (2023/2024) =</b>			<b>\$</b>	<b><u>3,057</u> /ERU.</b>
WCWCD Impact Fee (2023)		\$ 8,417 /ERU.		
Total Potential Culinary Water Impact Fee (2023)		<b>\$ 11,474 /ERU.</b>		

Meter Size	X-Sectional Area (in <sup>2</sup> )	% Area Increase	Impact Fee
3/4"	0.44	0%	\$ 3,057
1"	0.79	80%	\$ 5,489
1 1/2"	1.77	302%	\$ 12,297
2"	3.14	614%	\$ 21,816
3"	7.07	1507%	\$ 49,120
4"	12.57	2757%	\$ 87,333
6"	28.27	6325%	\$ 196,412

P:\Santa Clara City\08401 Water & Irrigation IFFPA & IFA\06 Design\Financial- Culinary.xlsx\Impact Fee

Table X.B-1 shows that the maximum impact fee that the city may assess each new ERU is \$3,057. The current fee is \$1,973, resulting in a potential increase of \$1,084.

New connections will also pay an additional WCWCD fee, currently \$8,417 for a total of \$11,474.

It is important to note that these impact fees are for the improvements suggested in Section VII and do not provide for the District to design and build anything beyond the proposed projects.

All new additions to the system will need to be considered in the impact fee calculations. Otherwise, the developer should be required to make the improvements.

**C. VARYING IMPACT FEE CALCULATION**

Because water usage traditionally varies based on the size and type of the residential unit, the city requested further analysis of impact fee dues based on different dwelling unit impact, specifically apartments.

*Apartment Complex Impact Fee Analysis*

Usage data was not obtained for apartment buildings, but estimated usage should be provided by developers before city approval. This usage can then be used to identify how many ERUs the complex will account for. For example, if the developer estimates a total usage of 15,000 gpd one would simply divide this by the average usage of 483 gpd to find that this complex is equivalent to approximately 31 ERUs. Therefore, they should be charged 31 times the traditional ERU impact fee. Table X.C-2 shows some theoretical fees assuming 200 gpd per unit using this method.

**Table X.C-2: Example Apartment Impact Fee**

With ERU IF of \$3,057				
Number of Units	Example Usage per Unit (gpd)	Usage for Complex (gpd)	ERUs	Impact Fee
10	*200	2,000	4.14	\$ 12,658
25	*200	5,000	10.35	\$ 31,646
50	*200	10,000	20.70	\$ 63,292
75	*200	15,000	31.06	\$ 94,938
100	*200	20,000	41.41	\$ 126,584
150	*200	30,000	62.11	\$ 189,876

\* Usage per apartment unit is an estimate, actual apartment gpd calculations will be submitted by developer and used to calculate impact fee.

#### **D. IMPACT FEE CERTIFICATION**

The Impact Fee Certification is included as Appendix F.

#### **E. IMPACT FEE RELATED ITEMS**

There are a few items related to Impact Fees that City council should keep in mind when planning for, collecting, and expending Impact Fees.

Generally, it is a good idea to update this plan at least every five years, or more frequently if occasion arises.

Council members should be made aware that, in conformance with Utah Code 11-36a-602, Impact Fees can generally only be expended for a system improvement that is identified in the Impact Fee Facilities Plan and that is for the specific public facility type for which the fee was collected (i.e. transportation impact fees cannot be used for water or sewer projects). Also, Impact Fees in Utah must be expended or encumbered for a permissible use within six years of their receipt unless 11-36a-602(2)(b) applies.

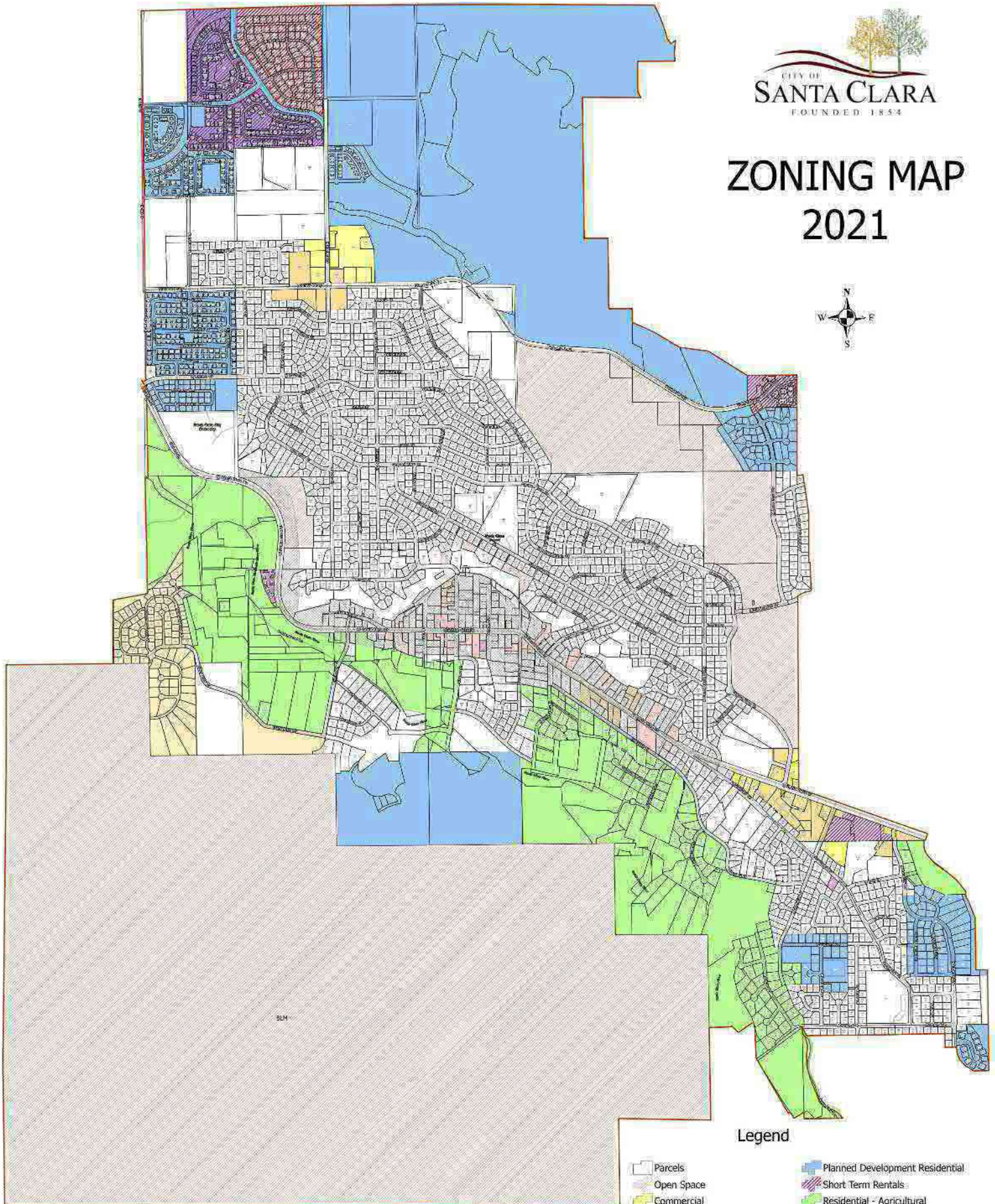
City Council members should also ensure that proper accounting of the Impact Fees occurs (track each fee in and out). See Utah Code 11-36a-601.

# APPENDIX A




## MAPS



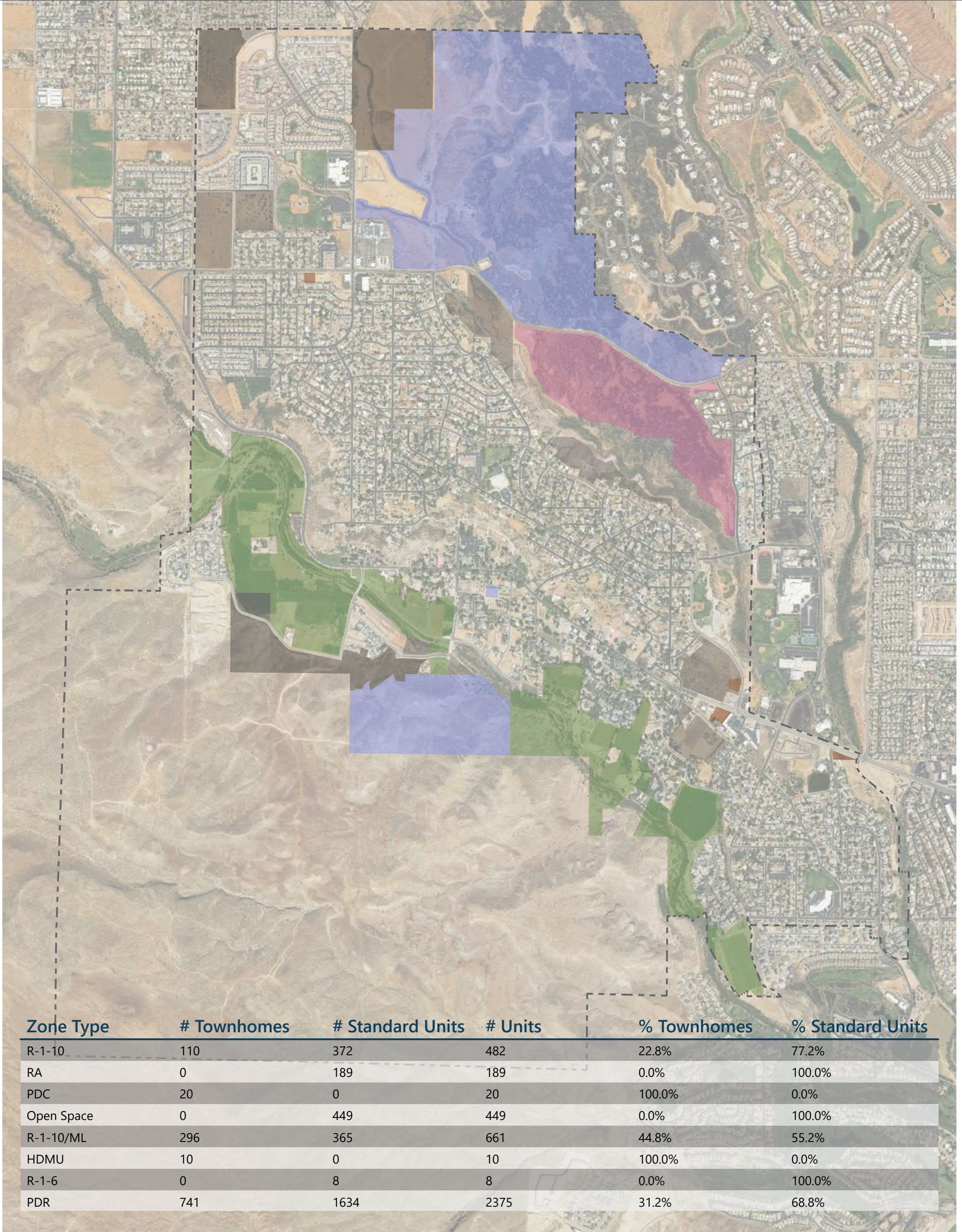
# ZONING MAP 2021



### Legend

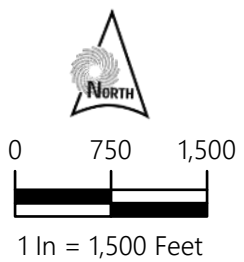
- |  |   |
|--|---|
|  Parcels                          |  Planned Development Residential |
|  Open Space                       |  Short Term Rentals              |
|  Commercial                       |  Residential - Agricultural      |
|  Historical District Overlay Zone |  Residential - Single Family     |
|  Multi Family - Residential       |  Mixed Lot Size                  |
|  Mixed Use                        |  Municipal Boundary              |
|  Planned Development Commercial   |   |

# POTENTIAL FUTURE DEVELOPMENT



Zone Type	# Townhomes	# Standard Units	# Units	% Townhomes	% Standard Units
R-1-10	110	372	482	22.8%	77.2%
RA	0	189	189	0.0%	100.0%
PDC	20	0	20	100.0%	0.0%
Open Space	0	449	449	0.0%	100.0%
R-1-10/ML	296	365	661	44.8%	55.2%
HDMU	10	0	10	100.0%	0.0%
R-1-6	0	8	8	0.0%	100.0%
PDR	741	1634	2375	31.2%	68.8%

## MAP LEGEND

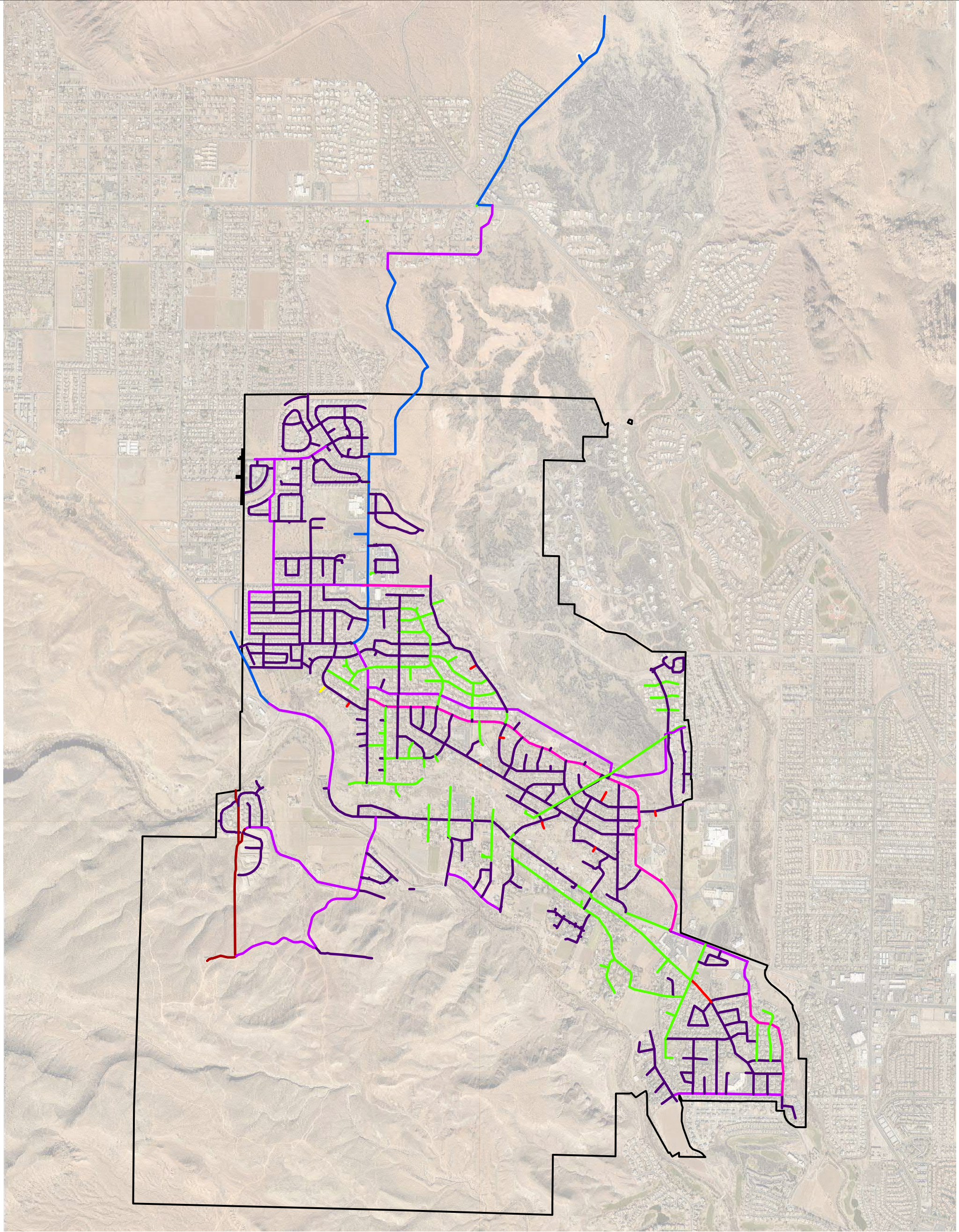


- OS - OPEN SPACE
- HDMU - HISTORIC DISTRICT/MIXED USE
- PDC - PLANNED DEVELOPMENT COMMERCIAL
- PDR - PLANNED DEVELOPMENT RESIDENTIAL
- RA - RESIDENTIAL AGRICULTURE

- R-1-6 - SINGLE-FAMILY RESIDENTIAL
- R-1-10 - SINGLE-FAMILY RESIDENTIAL
- R-1-10/ML - MIXED LOT SIZE
- Santa Clara City Boundary



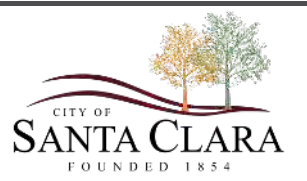
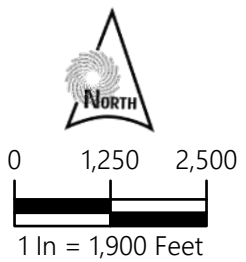
# EXISTING SANTA CLARA WATER SYSTEM



## MAP LEGEND

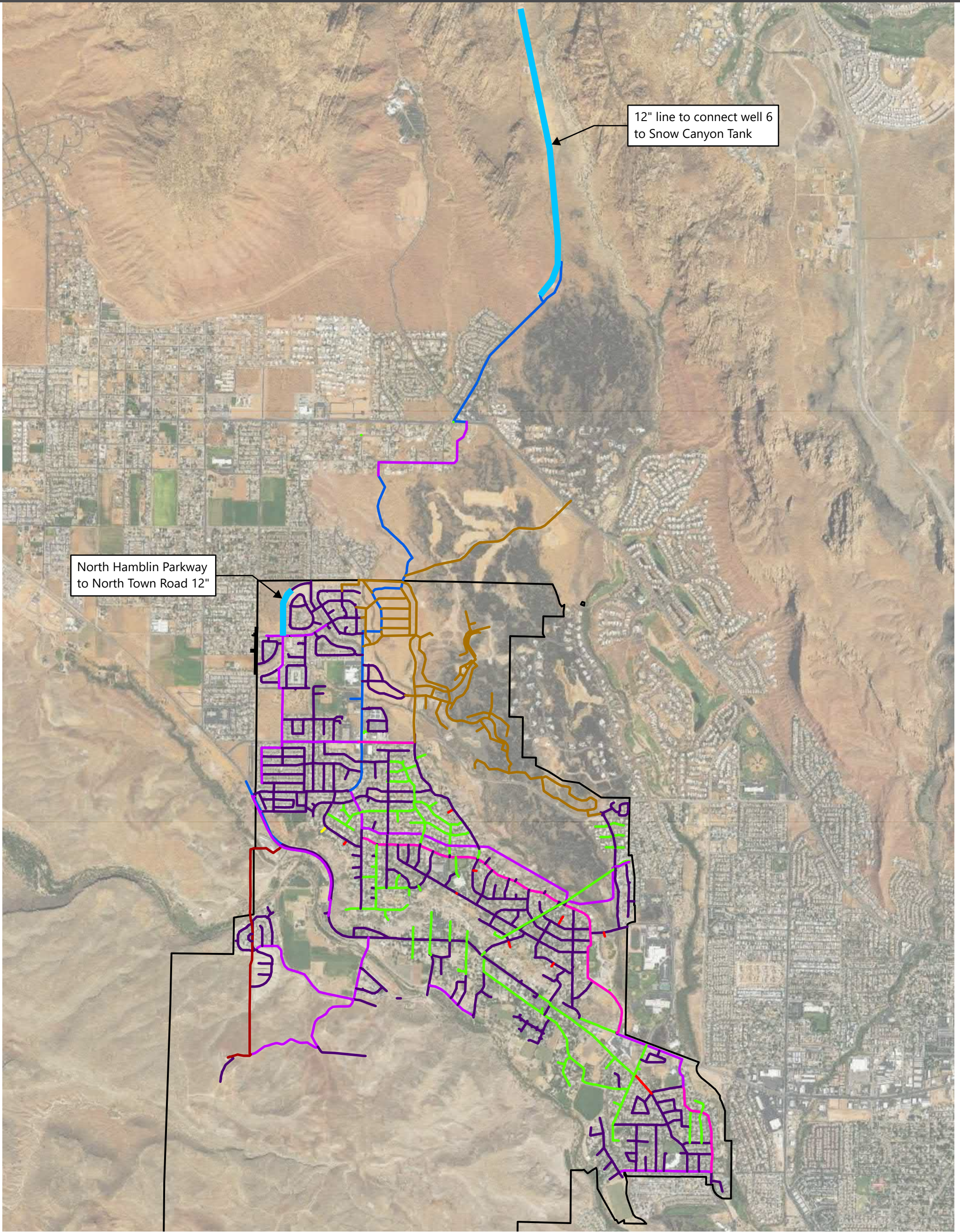
### Water Mains

- 2"
- 4"
- 6"
- 8"
- 10"
- 12"
- 16"
- 20"
- Unknown
- City Boundary



Map Date: 12/14/2022

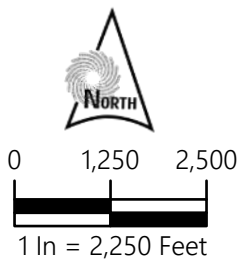
# PROPOSED FUTURE PROJECTS



North Hamblin Parkway to North Town Road 12"

12" line to connect well 6 to Snow Canyon Tank

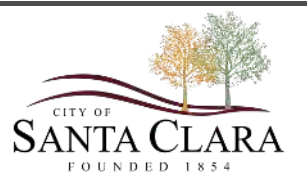
## MAP LEGEND



### Water Mains

- 2"
- 4"
- 6"
- 8"
- 10"
- 12"

- 16"
- 20"
- Unknown
- Proposed Future Projects
- Developer Proposed
- City Boundary



Map Date: 3/8/2023

# Existing Santa Clara Irrigation System

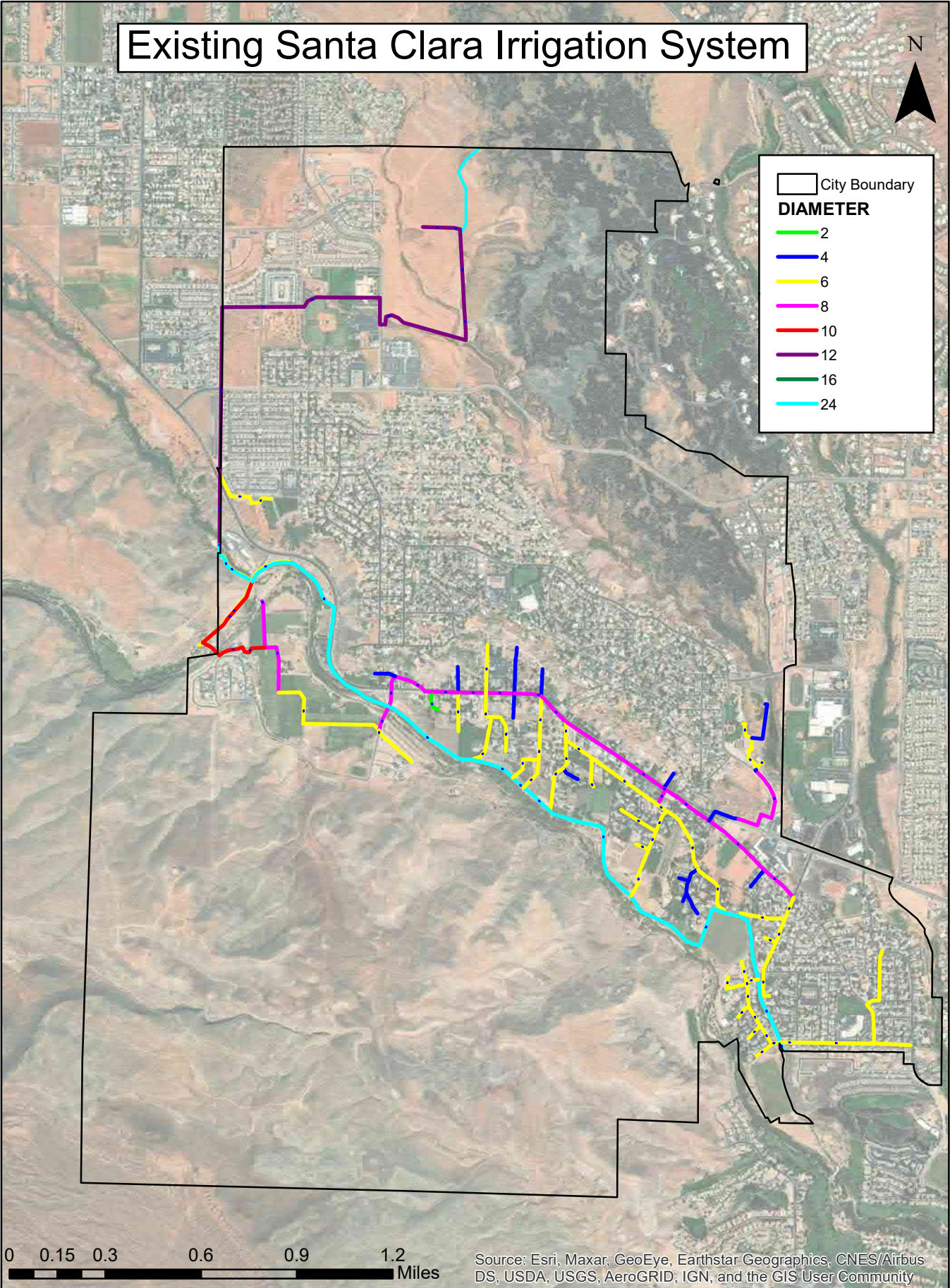
N



City Boundary

**DIAMETER**

- 2
- 4
- 6
- 8
- 10
- 12
- 16
- 24



0 0.15 0.3 0.6 0.9 1.2 Miles

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Future Santa Clara Irrigation System



- City Boundary
- Canal Company Owned
- Santa Clara Owned
- St. George Owned
- Developer Proposed
- Santa Clara Proposed

0 0.125 0.25 0.5 0.75 1 Miles

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



APPENDIX B

INFOWATER® ANALYSIS

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1	<input type="checkbox"/>	J-100FH	4.11	2,876.00	3,041.25	71.60
2	<input type="checkbox"/>	J-101	4.11	2,865.00	3,094.67	99.51
3	<input type="checkbox"/>	J-102FH	4.11	2,868.00	3,094.80	98.27
4	<input type="checkbox"/>	J-103FH	4.11	2,871.00	3,094.85	96.99
5	<input type="checkbox"/>	J-104	4.11	2,839.00	3,041.71	87.83
6	<input type="checkbox"/>	J-105FH	4.11	2,875.00	3,094.90	95.28
7	<input type="checkbox"/>	J-106FH	4.11	2,877.00	3,094.70	94.33
8	<input type="checkbox"/>	J-107FH	4.11	2,936.00	3,096.14	69.39
9	<input type="checkbox"/>	J-108	4.11	2,876.00	3,094.80	94.81
10	<input type="checkbox"/>	J-109FH	4.11	2,875.00	3,094.85	95.26
11	<input type="checkbox"/>	J-10FH	4.11	2,741.00	2,934.30	83.76
12	<input type="checkbox"/>	J-110	4.11	2,879.00	3,094.90	93.55
13	<input type="checkbox"/>	J-111	4.11	2,899.50	3,094.99	84.70
14	<input type="checkbox"/>	J-112	4.11	2,879.00	3,094.99	93.59
15	<input type="checkbox"/>	J-113	4.11	2,885.00	3,095.22	91.09
16	<input type="checkbox"/>	J-114FH	4.11	2,885.50	3,095.01	90.78
17	<input type="checkbox"/>	J-115	4.11	2,885.00	3,095.01	91.00
18	<input type="checkbox"/>	J-116FH	4.11	2,881.00	3,095.68	93.02
19	<input type="checkbox"/>	J-117	4.11	2,897.00	3,095.04	85.81
20	<input type="checkbox"/>	J-118FH	4.11	2,891.00	3,095.20	88.48
21	<input type="checkbox"/>	J-119FH	4.11	2,889.00	3,095.36	89.42
22	<input type="checkbox"/>	J-11FH	4.11	2,740.00	2,934.20	84.15
23	<input type="checkbox"/>	J-12	4.11	2,766.00	2,934.51	73.02
24	<input type="checkbox"/>	J-120	4.11	2,887.00	3,095.56	90.37
25	<input type="checkbox"/>	J-1208	4.11	2,822.00	3,043.12	95.81
26	<input type="checkbox"/>	J-121	4.11	2,878.00	3,095.88	94.41
27	<input type="checkbox"/>	J-1210	3.54	2,760.00	3,212.46	196.05
28	<input type="checkbox"/>	J-122FH	4.11	2,880.00	3,095.98	93.58
29	<input type="checkbox"/>	J-123	4.11	2,870.00	3,095.88	97.87
30	<input type="checkbox"/>	J-124	4.11	2,892.00	3,095.59	88.22
31	<input type="checkbox"/>	J-125	4.11	2,892.00	3,095.59	88.22
32	<input type="checkbox"/>	J-1254	3.54	3,000.00	3,166.00	71.93
33	<input type="checkbox"/>	J-1268	3.54	3,200.00	3,298.26	42.57
34	<input type="checkbox"/>	J-1269	3.54	3,200.00	3,300.95	43.74
35	<input type="checkbox"/>	J-126FH	4.11	2,901.00	3,095.70	84.37
36	<input type="checkbox"/>	J-127	4.11	2,901.00	3,095.81	84.41
37	<input type="checkbox"/>	J-1273	4.11	2,823.00	3,212.45	168.75
38	<input type="checkbox"/>	J-128FH	4.11	2,935.00	3,096.14	69.82
39	<input type="checkbox"/>	J-129	4.11	2,899.00	3,095.54	85.16
40	<input type="checkbox"/>	J-13	4.11	2,751.00	3,040.66	125.51
41	<input type="checkbox"/>	J-130	4.11	2,932.00	3,096.14	71.12
42	<input type="checkbox"/>	J-131FH	4.11	2,901.00	3,095.36	84.22
43	<input type="checkbox"/>	J-132FH	4.11	2,925.00	3,096.13	74.15
44	<input type="checkbox"/>	J-133FH	4.11	2,903.00	3,095.17	83.27
45	<input type="checkbox"/>	J-134FH	4.11	2,927.00	3,096.13	73.29
46	<input type="checkbox"/>	J-135	4.11	2,905.00	3,095.06	82.35
47	<input type="checkbox"/>	J-136FH	4.11	2,910.00	3,094.96	80.15
48	<input type="checkbox"/>	J-137	4.11	2,901.00	3,094.96	84.04
49	<input type="checkbox"/>	J-138FH	4.11	2,902.00	3,094.96	83.61
50	<input type="checkbox"/>	J-139FH	4.11	2,877.00	3,094.97	94.44



Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
51	<input type="checkbox"/>	J-140	4.11	2,885.00	3,094.85	90.93
52	<input type="checkbox"/>	J-141FH	4.11	2,900.00	3,094.85	84.43
53	<input type="checkbox"/>	J-142	4.11	2,885.00	3,094.85	90.93
54	<input type="checkbox"/>	J-143FH	4.11	2,890.00	3,094.80	88.74
55	<input type="checkbox"/>	J-144FH	4.11	2,897.00	3,094.68	85.65
56	<input type="checkbox"/>	J-145FH	4.11	2,889.00	3,094.68	89.12
57	<input type="checkbox"/>	J-146	4.11	2,888.00	3,094.67	89.55
58	<input type="checkbox"/>	J-147FH	4.11	2,891.00	3,094.66	88.25
59	<input type="checkbox"/>	J-148	4.11	2,908.00	3,094.81	80.94
60	<input type="checkbox"/>	J-149FH	4.11	2,905.00	3,094.67	82.18
61	<input type="checkbox"/>	J-14FH	4.11	2,750.00	2,935.00	80.16
62	<input type="checkbox"/>	J-150	4.11	2,909.00	3,094.67	80.45
63	<input type="checkbox"/>	J-151FH	4.11	2,893.00	3,094.67	87.38
64	<input type="checkbox"/>	J-152	4.11	2,874.00	3,041.24	72.46
65	<input type="checkbox"/>	J-153FH	4.11	2,892.50	3,094.61	87.58
66	<input type="checkbox"/>	J-154	4.11	2,892.00	3,094.61	87.79
67	<input type="checkbox"/>	J-155	4.11	2,894.00	3,094.59	86.91
68	<input type="checkbox"/>	J-156FH	4.11	2,894.00	3,094.59	86.91
69	<input type="checkbox"/>	J-157	4.11	2,870.00	3,094.54	97.29
70	<input type="checkbox"/>	J-158FH	4.11	2,900.00	3,094.59	84.31
71	<input type="checkbox"/>	J-159	4.11	2,896.00	3,094.58	86.04
72	<input type="checkbox"/>	J-15FH	4.11	2,753.00	2,934.99	78.86
73	<input type="checkbox"/>	J-160FH	4.11	2,903.50	3,094.59	82.80
74	<input type="checkbox"/>	J-161FH	4.11	2,897.00	3,094.57	85.61
75	<input type="checkbox"/>	J-162FH	4.11	2,880.00	3,094.50	92.94
76	<input type="checkbox"/>	J-163	4.11	2,885.00	3,094.43	90.75
77	<input type="checkbox"/>	J-164FH	4.11	2,910.00	3,094.66	80.01
78	<input type="checkbox"/>	J-165FH	4.11	2,915.00	3,094.63	77.83
79	<input type="checkbox"/>	J-166	4.11	2,915.00	3,094.62	77.83
80	<input type="checkbox"/>	J-167FH	4.11	2,909.00	3,094.82	80.51
81	<input type="checkbox"/>	J-168FH	4.11	2,917.00	3,094.83	77.05
82	<input type="checkbox"/>	J-169FH	4.11	2,921.00	3,096.13	75.88
83	<input type="checkbox"/>	J-16FH	4.11	2,640.00	2,935.32	127.96
84	<input type="checkbox"/>	J-170FH	4.11	2,917.00	3,095.68	77.42
85	<input type="checkbox"/>	J-171	4.11	2,916.00	3,094.62	77.39
86	<input type="checkbox"/>	J-172	4.11	2,909.00	3,094.82	80.51
87	<input type="checkbox"/>	J-173FH	4.11	2,920.00	3,094.34	75.54
88	<input type="checkbox"/>	J-174	4.11	2,921.00	3,094.34	75.11
89	<input type="checkbox"/>	J-175FH	4.11	2,915.00	3,093.78	77.46
90	<input type="checkbox"/>	J-176	4.11	2,915.00	3,093.78	77.46
91	<input type="checkbox"/>	J-177FH	4.11	2,929.00	3,094.93	71.90
92	<input type="checkbox"/>	J-178	4.11	2,920.00	3,094.92	75.79
93	<input type="checkbox"/>	J-179	4.11	2,920.00	3,094.95	75.81
94	<input type="checkbox"/>	J-17FH	4.11	2,638.00	2,935.31	128.82
95	<input type="checkbox"/>	J-18	4.11	2,637.00	2,935.31	129.26
96	<input type="checkbox"/>	J-180	4.11	2,933.00	3,094.87	70.14
97	<input type="checkbox"/>	J-181	4.11	2,915.00	3,094.63	77.83
98	<input type="checkbox"/>	J-182	4.11	2,915.00	3,094.44	77.75
99	<input type="checkbox"/>	J-183FH	4.11	2,915.00	3,094.44	77.75
100	<input type="checkbox"/>	J-184FH	4.11	2,915.00	3,092.99	77.12

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
101	<input type="checkbox"/>	J-185	4.11	2,920.00	3,093.90	75.35
102	<input type="checkbox"/>	J-186FH	4.11	2,910.00	3,094.65	80.01
103	<input type="checkbox"/>	J-187	4.11	2,915.00	3,095.09	78.03
104	<input type="checkbox"/>	J-188	4.11	2,909.00	3,094.32	80.30
105	<input type="checkbox"/>	J-189FH	4.11	2,915.00	3,093.67	77.42
106	<input type="checkbox"/>	J-191	4.11	2,915.00	3,095.12	78.04
107	<input type="checkbox"/>	J-192	4.11	2,910.00	3,095.13	80.22
108	<input type="checkbox"/>	J-193FH	4.11	2,917.00	3,095.12	77.18
109	<input type="checkbox"/>	J-194	4.11	2,917.00	3,094.53	76.93
110	<input type="checkbox"/>	J-195	4.11	2,916.50	3,094.53	77.14
111	<input type="checkbox"/>	J-196	4.11	2,909.00	3,094.48	80.37
112	<input type="checkbox"/>	J-197	4.11	2,908.00	3,094.48	80.80
113	<input type="checkbox"/>	J-198FH	4.11	2,900.00	3,094.44	84.25
114	<input type="checkbox"/>	J-199	4.11	2,902.00	3,094.37	83.35
115	<input type="checkbox"/>	J-19FH	4.11	2,636.00	2,935.31	129.69
116	<input type="checkbox"/>	J-1FH	4.11	2,720.00	2,934.25	92.83
117	<input type="checkbox"/>	J-2	4.11	2,720.00	2,934.25	92.83
118	<input type="checkbox"/>	J-200	4.11	2,895.00	3,094.45	86.42
119	<input type="checkbox"/>	J-201	4.11	2,890.00	3,094.43	88.58
120	<input type="checkbox"/>	J-202	4.11	2,892.00	3,094.42	87.71
121	<input type="checkbox"/>	J-203	4.11	2,883.00	3,094.41	91.61
122	<input type="checkbox"/>	J-204FH	4.11	2,880.00	3,094.43	92.91
123	<input type="checkbox"/>	J-205	4.11	2,885.00	3,094.36	90.72
124	<input type="checkbox"/>	J-206	4.11	2,890.00	3,094.36	88.55
125	<input type="checkbox"/>	J-207	4.11	2,883.00	3,094.36	91.58
126	<input type="checkbox"/>	J-208	4.11	2,939.00	3,094.87	67.54
127	<input type="checkbox"/>	J-209	4.11	2,825.00	3,048.10	96.67
128	<input type="checkbox"/>	J-20FH	4.11	2,745.00	2,936.82	83.12
129	<input type="checkbox"/>	J-21	4.11	2,745.00	2,936.55	83.00
130	<input type="checkbox"/>	J-210	4.11	2,937.00	3,095.80	68.81
131	<input type="checkbox"/>	J-211FH	4.11	2,830.00	3,048.10	94.50
132	<input type="checkbox"/>	J-212FH	4.11	2,824.00	3,048.10	97.10
133	<input type="checkbox"/>	J-213	4.11	2,825.00	3,051.04	97.94
134	<input type="checkbox"/>	J-214FH	4.11	2,835.00	3,051.04	93.61
135	<input type="checkbox"/>	J-215FH	4.11	2,825.00	3,051.04	97.94
136	<input type="checkbox"/>	J-216	4.11	2,830.00	3,054.20	97.15
137	<input type="checkbox"/>	J-217	4.11	2,830.00	3,055.96	97.91
138	<input type="checkbox"/>	J-218FH	4.11	2,838.00	3,054.20	93.68
139	<input type="checkbox"/>	J-219	4.11	2,830.00	3,054.20	97.14
140	<input type="checkbox"/>	J-22	4.11	2,920.00	3,094.71	75.70
141	<input type="checkbox"/>	J-220	4.11	2,924.00	3,094.39	73.83
142	<input type="checkbox"/>	J-221FH	4.11	2,748.00	2,937.13	81.95
143	<input type="checkbox"/>	J-222FH	4.11	2,732.00	2,937.39	89.00
144	<input type="checkbox"/>	J-223	4.11	2,720.00	2,937.12	94.08
145	<input type="checkbox"/>	J-224	4.11	2,750.00	2,937.54	81.26
146	<input type="checkbox"/>	J-225FH	4.11	2,752.00	2,937.69	80.46
147	<input type="checkbox"/>	J-226	4.11	2,740.00	2,937.67	85.65
148	<input type="checkbox"/>	J-227FH	4.11	2,845.00	3,041.24	85.03
149	<input type="checkbox"/>	J-228	4.11	2,755.00	2,937.69	79.16
150	<input type="checkbox"/>	J-229FH	4.11	2,753.00	2,937.91	80.12

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
151	<input type="checkbox"/>	J-23	4.11	2,751.00	3,040.98	125.65
152	<input type="checkbox"/>	J-230	4.11	2,755.00	2,937.91	79.26
153	<input type="checkbox"/>	J-231	4.11	2,750.00	2,937.92	81.43
154	<input type="checkbox"/>	J-232FH	4.11	2,755.00	2,938.15	79.36
155	<input type="checkbox"/>	J-233	4.11	2,750.00	2,937.97	81.45
156	<input type="checkbox"/>	J-234	4.11	2,770.00	2,938.15	72.86
157	<input type="checkbox"/>	J-235FH	4.11	2,765.00	2,938.46	75.16
158	<input type="checkbox"/>	J-236	4.11	2,768.00	2,938.46	73.86
159	<input type="checkbox"/>	J-237	4.11	2,765.00	2,938.46	75.16
160	<input type="checkbox"/>	J-238	4.11	2,778.00	2,938.72	69.64
161	<input type="checkbox"/>	J-24	4.11	2,800.00	3,041.04	104.44
162	<input type="checkbox"/>	J-240	4.11	2,778.00	2,938.76	69.66
163	<input type="checkbox"/>	J-241	4.11	2,780.00	2,938.64	68.74
164	<input type="checkbox"/>	J-242	4.11	2,760.00	2,939.48	77.77
165	<input type="checkbox"/>	J-243	4.11	2,924.00	3,094.65	73.94
166	<input type="checkbox"/>	J-244	4.11	2,770.00	2,939.48	73.44
167	<input type="checkbox"/>	J-245	4.11	2,770.00	2,939.48	73.44
168	<input type="checkbox"/>	J-246	4.11	2,878.00	3,041.24	70.73
169	<input type="checkbox"/>	J-247FH	4.11	2,857.50	3,041.24	79.62
170	<input type="checkbox"/>	J-248	4.11	2,920.00	3,093.41	75.14
171	<input type="checkbox"/>	J-249	4.11	2,920.00	3,093.25	75.07
172	<input type="checkbox"/>	J-250FH	4.11	2,750.00	2,937.97	81.45
173	<input type="checkbox"/>	J-251	4.11	2,750.00	2,937.95	81.44
174	<input type="checkbox"/>	J-252	4.11	2,750.00	2,937.94	81.43
175	<input type="checkbox"/>	J-253	4.11	2,745.00	2,937.94	83.60
176	<input type="checkbox"/>	J-254	4.11	2,735.00	2,936.24	87.20
177	<input type="checkbox"/>	J-255FH	4.11	2,728.00	2,936.23	90.22
178	<input type="checkbox"/>	J-256	4.11	2,728.00	2,936.22	90.22
179	<input type="checkbox"/>	J-257	4.11	2,725.00	2,934.25	90.67
180	<input type="checkbox"/>	J-258FH	4.11	2,735.00	2,934.18	86.30
181	<input type="checkbox"/>	J-259	4.11	2,735.00	2,934.15	86.29
182	<input type="checkbox"/>	J-25FH	4.11	2,758.00	3,041.02	122.63
183	<input type="checkbox"/>	J-26	4.11	2,760.00	3,041.02	121.76
184	<input type="checkbox"/>	J-260FH	4.11	2,735.00	2,934.14	86.29
185	<input type="checkbox"/>	J-261	4.11	2,735.00	2,934.14	86.29
186	<input type="checkbox"/>	J-262	4.11	2,735.00	2,934.13	86.28
187	<input type="checkbox"/>	J-263	4.11	2,720.00	2,934.13	92.78
188	<input type="checkbox"/>	J-264	4.11	2,710.00	2,934.11	97.11
189	<input type="checkbox"/>	J-265	4.11	2,700.00	2,934.04	101.41
190	<input type="checkbox"/>	J-266FH	4.11	2,700.00	2,934.04	101.41
191	<input type="checkbox"/>	J-267FH	4.11	2,751.00	2,934.62	79.56
192	<input type="checkbox"/>	J-268	4.11	2,700.00	2,934.07	101.42
193	<input type="checkbox"/>	J-269FH	4.11	2,700.00	2,934.07	101.42
194	<input type="checkbox"/>	J-27	4.11	2,770.00	3,041.05	117.44
195	<input type="checkbox"/>	J-270FH	4.11	2,700.00	2,934.11	101.44
196	<input type="checkbox"/>	J-271FH	4.11	2,735.00	2,934.14	86.29
197	<input type="checkbox"/>	J-272	4.11	2,824.00	3,043.49	95.11
198	<input type="checkbox"/>	J-273FH	4.11	2,705.00	2,934.15	99.29
199	<input type="checkbox"/>	J-274FH	4.11	2,705.00	2,934.16	99.29
200	<input type="checkbox"/>	J-275FH	4.11	2,785.00	3,040.86	110.86

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
201	<input type="checkbox"/>	J-277	4.11	2,920.00	3,093.67	75.25
202	<input type="checkbox"/>	J-278FH	4.11	2,740.00	2,934.42	84.24
203	<input type="checkbox"/>	J-279FH	4.11	2,730.00	2,934.35	88.54
204	<input type="checkbox"/>	J-28	4.11	2,807.00	3,041.16	101.46
205	<input type="checkbox"/>	J-280FH	4.11	2,741.00	2,934.33	83.77
206	<input type="checkbox"/>	J-281FH	4.11	2,703.00	2,934.16	100.16
207	<input type="checkbox"/>	J-282	4.11	2,720.00	2,934.17	92.80
208	<input type="checkbox"/>	J-283FH	4.11	2,715.00	2,934.17	94.97
209	<input type="checkbox"/>	J-284FH	4.11	2,720.00	2,934.21	92.82
210	<input type="checkbox"/>	J-285	4.11	2,720.00	2,934.17	92.80
211	<input type="checkbox"/>	J-286	4.11	2,720.00	2,934.21	92.82
212	<input type="checkbox"/>	J-287	4.11	2,720.00	2,934.23	92.83
213	<input type="checkbox"/>	J-288FH	4.11	2,720.00	2,934.17	92.80
214	<input type="checkbox"/>	J-289	4.11	2,720.00	2,934.18	92.81
215	<input type="checkbox"/>	J-290	4.11	2,720.00	2,934.18	92.81
216	<input type="checkbox"/>	J-291FH	4.11	2,921.00	3,095.36	75.55
217	<input type="checkbox"/>	J-292FH	4.11	2,705.00	2,934.16	99.30
218	<input type="checkbox"/>	J-293FH	4.11	2,755.00	3,040.76	123.82
219	<input type="checkbox"/>	J-294	4.11	2,913.00	3,100.10	81.07
220	<input type="checkbox"/>	J-295	4.11	2,946.00	3,165.32	95.03
221	<input type="checkbox"/>	J-296	3.54	2,990.00	3,165.43	76.01
222	<input type="checkbox"/>	J-297FH	4.11	2,705.00	2,934.16	99.30
223	<input type="checkbox"/>	J-298	4.11	2,760.00	2,939.15	77.63
224	<input type="checkbox"/>	J-299	4.11	2,770.00	2,939.46	73.43
225	<input type="checkbox"/>	J-29FH	4.11	2,815.00	3,041.24	98.03
226	<input type="checkbox"/>	J-3	4.11	2,730.00	2,934.34	88.54
227	<input type="checkbox"/>	J-300	4.11	2,915.00	3,093.67	77.42
228	<input type="checkbox"/>	J-301FH	4.11	2,800.00	3,092.19	126.61
229	<input type="checkbox"/>	J-302FH	4.11	2,705.00	2,934.16	99.30
230	<input type="checkbox"/>	J-303FH	4.11	2,730.00	2,934.18	88.47
231	<input type="checkbox"/>	J-304	3.54	3,000.00	3,165.83	71.85
232	<input type="checkbox"/>	J-305FH	4.11	2,877.50	3,041.25	70.95
233	<input type="checkbox"/>	J-306	4.11	2,877.50	3,094.71	94.12
234	<input type="checkbox"/>	J-307FH	4.11	2,740.00	2,934.19	84.14
235	<input type="checkbox"/>	J-308	3.54	3,042.00	3,089.00	20.37
236	<input type="checkbox"/>	J-309	4.11	2,760.00	2,939.50	77.78
237	<input type="checkbox"/>	J-30FH	4.11	2,816.00	3,041.32	97.63
238	<input type="checkbox"/>	J-31	4.11	2,815.00	3,041.39	98.10
239	<input type="checkbox"/>	J-310	4.11	2,930.00	3,095.62	71.76
240	<input type="checkbox"/>	J-311	44.15	2,925.00	3,102.23	76.79
241	<input type="checkbox"/>	J-312	4.11	2,870.00	3,096.79	98.27
242	<input type="checkbox"/>	J-313	4.11	2,800.00	3,041.71	104.73
243	<input type="checkbox"/>	J-314	4.11	2,780.00	3,041.77	113.42
244	<input type="checkbox"/>	J-315FH	4.11	2,930.00	3,096.14	71.99
245	<input type="checkbox"/>	J-316	4.11	2,843.00	3,041.24	85.90
246	<input type="checkbox"/>	J-317FH	4.11	2,902.00	3,094.36	83.35
247	<input type="checkbox"/>	J-318FH	4.11	2,922.00	3,093.35	74.25
248	<input type="checkbox"/>	J-319FH	4.11	2,924.00	3,093.92	73.62
249	<input type="checkbox"/>	J-32	4.11	2,800.00	3,041.66	104.71
250	<input type="checkbox"/>	J-320	4.11	2,922.00	3,094.06	74.55

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
251	<input type="checkbox"/>	J-321FH	4.11	2,924.00	3,094.32	73.80
252	<input type="checkbox"/>	J-322FH	4.11	2,936.00	3,095.28	69.02
253	<input type="checkbox"/>	J-323FH	4.11	2,930.00	3,094.84	71.43
254	<input type="checkbox"/>	J-324FH	4.11	2,926.00	3,094.65	73.08
255	<input type="checkbox"/>	J-325FH	4.11	2,924.00	3,094.39	73.83
256	<input type="checkbox"/>	J-326FH	4.11	2,928.00	3,094.48	72.14
257	<input type="checkbox"/>	J-327FH	4.11	2,928.00	3,094.84	72.29
258	<input type="checkbox"/>	J-328FH	4.11	2,933.00	3,094.95	70.17
259	<input type="checkbox"/>	J-329FH	4.11	2,934.00	3,094.94	69.74
260	<input type="checkbox"/>	J-330	4.11	2,934.00	3,094.84	69.69
261	<input type="checkbox"/>	J-331	4.11	2,923.00	3,094.31	74.23
262	<input type="checkbox"/>	J-333	4.11	2,885.00	3,094.36	90.72
263	<input type="checkbox"/>	J-334	4.11	2,885.00	3,094.36	90.72
264	<input type="checkbox"/>	J-335	4.11	2,745.00	2,936.88	83.14
265	<input type="checkbox"/>	J-336	4.11	2,745.00	2,936.88	83.14
266	<input type="checkbox"/>	J-33FH	4.11	2,820.00	3,041.45	95.96
267	<input type="checkbox"/>	J-34	4.11	2,830.00	3,041.48	91.63
268	<input type="checkbox"/>	J-35	4.11	2,827.00	3,041.35	92.88
269	<input type="checkbox"/>	J-36	4.11	2,820.00	3,041.36	95.92
270	<input type="checkbox"/>	J-37	4.11	2,825.00	3,041.30	93.72
271	<input type="checkbox"/>	J-38FH	4.11	2,821.00	3,041.24	95.43
272	<input type="checkbox"/>	J-39FH	4.11	2,836.00	3,041.32	88.97
273	<input type="checkbox"/>	J-4	4.11	2,729.00	2,934.34	88.97
274	<input type="checkbox"/>	J-40	4.11	2,839.00	3,041.32	87.66
275	<input type="checkbox"/>	J-41	4.11	2,837.00	3,041.31	88.53
276	<input type="checkbox"/>	J-42	4.11	2,835.00	3,041.28	89.38
277	<input type="checkbox"/>	J-43	4.11	2,833.00	3,041.24	90.23
278	<input type="checkbox"/>	J-44FH	4.11	2,805.00	3,041.16	102.33
279	<input type="checkbox"/>	J-45	4.11	2,805.00	3,041.17	102.33
280	<input type="checkbox"/>	J-46	4.11	2,780.00	3,041.16	113.16
281	<input type="checkbox"/>	J-47	4.11	2,760.00	3,041.16	121.82
282	<input type="checkbox"/>	J-48	4.11	2,780.00	3,041.16	113.16
283	<input type="checkbox"/>	J-49	4.11	2,801.00	3,041.21	104.08
284	<input type="checkbox"/>	J-5	4.11	2,751.00	2,934.45	79.49
285	<input type="checkbox"/>	J-50	4.11	2,803.00	3,041.17	103.20
286	<input type="checkbox"/>	J-51	4.11	2,800.00	3,041.21	104.51
287	<input type="checkbox"/>	J-52	4.11	2,839.00	3,041.56	87.77
288	<input type="checkbox"/>	J-53	4.11	2,842.00	3,041.46	86.43
289	<input type="checkbox"/>	J-54	4.11	2,920.00	3,095.09	75.87
290	<input type="checkbox"/>	J-55	4.11	2,842.00	3,041.45	86.42
291	<input type="checkbox"/>	J-56	4.11	2,847.00	3,041.37	84.22
292	<input type="checkbox"/>	J-57	4.11	2,850.00	3,041.37	82.92
293	<input type="checkbox"/>	J-58	4.11	2,837.00	3,041.32	88.53
294	<input type="checkbox"/>	J-59	4.11	2,860.00	3,092.00	100.52
295	<input type="checkbox"/>	J-6	4.11	2,757.00	2,934.48	76.90
296	<input type="checkbox"/>	J-61	4.11	2,847.00	3,041.31	84.19
297	<input type="checkbox"/>	J-63FH	4.11	2,839.00	3,041.31	87.66
298	<input type="checkbox"/>	J-64	4.11	2,839.00	3,041.28	87.65
299	<input type="checkbox"/>	J-65	4.11	2,851.50	3,041.29	82.24
300	<input type="checkbox"/>	J-66FH	4.11	2,847.00	3,041.27	84.18

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
301	<input type="checkbox"/>	J-67	4.11	2,842.00	3,041.27	86.34
302	<input type="checkbox"/>	J-68FH	4.11	2,839.00	3,041.27	87.64
303	<input type="checkbox"/>	J-69FH	4.11	2,839.00	3,041.25	87.63
304	<input type="checkbox"/>	J-7	4.11	2,754.00	2,934.47	78.20
305	<input type="checkbox"/>	J-70	4.11	2,837.00	3,041.25	88.50
306	<input type="checkbox"/>	J-71	4.11	2,839.50	3,041.25	87.42
307	<input type="checkbox"/>	J-73FH	4.11	2,830.00	3,041.24	91.53
308	<input type="checkbox"/>	J-74	4.11	2,843.00	3,041.25	85.90
309	<input type="checkbox"/>	J-75	4.11	2,845.00	3,041.25	85.04
310	<input type="checkbox"/>	J-76	4.11	2,849.00	3,041.25	83.30
311	<input type="checkbox"/>	J-77FH	4.11	2,914.00	3,096.40	79.04
312	<input type="checkbox"/>	J-78	4.11	2,940.00	3,095.62	67.43
313	<input type="checkbox"/>	J-79	4.11	2,842.00	3,041.24	86.33
314	<input type="checkbox"/>	J-80FH	4.11	2,940.00	3,096.14	67.65
315	<input type="checkbox"/>	J-81FH	4.11	2,841.00	3,041.24	86.76
316	<input type="checkbox"/>	J-82	4.11	2,921.00	3,096.13	75.88
317	<input type="checkbox"/>	J-83	4.11	2,760.00	2,937.54	76.93
318	<input type="checkbox"/>	J-84	4.11	2,760.00	3,041.24	121.86
319	<input type="checkbox"/>	J-85FH	4.11	2,849.50	3,041.26	83.09
320	<input type="checkbox"/>	J-86	4.11	2,851.50	3,041.26	82.22
321	<input type="checkbox"/>	J-87	4.11	2,852.00	3,041.26	82.01
322	<input type="checkbox"/>	J-88	4.11	2,854.00	3,041.25	81.14
323	<input type="checkbox"/>	J-89	4.11	2,857.00	3,041.27	79.84
324	<input type="checkbox"/>	J-8FH	4.11	2,752.00	2,934.47	79.06
325	<input type="checkbox"/>	J-9	4.11	2,757.00	2,934.49	76.91
326	<input type="checkbox"/>	J-90	4.11	2,857.00	3,041.27	79.84
327	<input type="checkbox"/>	J-91	4.11	2,857.00	3,041.26	79.84
328	<input type="checkbox"/>	J-92	4.11	2,861.00	3,041.25	78.10
329	<input type="checkbox"/>	J-93FH	4.11	2,858.00	3,041.25	79.40
330	<input type="checkbox"/>	J-94	4.11	2,857.00	3,041.25	79.83
331	<input type="checkbox"/>	J-95	4.11	2,863.50	3,041.25	77.02
332	<input type="checkbox"/>	J-956	3.54	2,847.00	3,063.94	94.00
333	<input type="checkbox"/>	J-958	3.54	2,856.00	3,067.09	91.46
334	<input type="checkbox"/>	J-96	4.11	2,863.00	3,041.25	77.24
335	<input type="checkbox"/>	J-97FH	4.11	2,936.00	3,096.14	69.39
336	<input type="checkbox"/>	J-98	4.11	2,866.75	3,041.25	75.61
337	<input type="checkbox"/>	J-99	4.11	2,866.50	3,041.25	75.72
338	<input type="checkbox"/>	J1000	3.54	2,903.00	3,098.54	84.73
339	<input type="checkbox"/>	J1002	3.54	2,892.00	3,098.46	89.46
340	<input type="checkbox"/>	J1004	3.54	2,939.00	3,097.74	68.78
341	<input type="checkbox"/>	J1006	3.54	2,937.00	3,097.73	69.65
342	<input type="checkbox"/>	J1008	3.54	2,940.00	3,097.74	68.35
343	<input type="checkbox"/>	J100FH	4.11	2,933.00	3,094.15	69.83
344	<input type="checkbox"/>	J1010	3.54	2,941.00	3,097.74	67.91
345	<input type="checkbox"/>	J1012	3.54	2,941.00	3,097.76	67.92
346	<input type="checkbox"/>	J1014	3.54	2,942.00	3,097.76	67.49
347	<input type="checkbox"/>	J1016	3.54	2,943.00	3,097.72	67.04
348	<input type="checkbox"/>	J1018	3.54	2,940.00	3,097.74	68.35
349	<input type="checkbox"/>	J1020	3.54	2,944.00	3,098.88	67.11
350	<input type="checkbox"/>	J1022	3.54	2,947.00	3,098.88	65.81

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
351	<input type="checkbox"/>	J1024	3.54	2,941.00	3,098.88	68.41
352	<input type="checkbox"/>	J1026	3.54	2,953.00	3,089.30	59.06
353	<input type="checkbox"/>	J1028	3.54	2,868.00	3,089.30	95.89
354	<input type="checkbox"/>	J102FH	4.11	2,936.00	3,095.40	69.07
355	<input type="checkbox"/>	J1030	3.54	2,890.00	3,089.30	86.36
356	<input type="checkbox"/>	J1032	3.54	2,873.00	3,089.30	93.72
357	<input type="checkbox"/>	J1034	3.54	2,915.00	3,089.30	75.52
358	<input type="checkbox"/>	J1036	3.54	2,761.00	2,934.49	75.17
359	<input type="checkbox"/>	J1038	3.54	2,764.00	2,934.48	73.87
360	<input type="checkbox"/>	J1040	3.54	2,764.00	2,934.49	73.87
361	<input type="checkbox"/>	J1042	3.54	2,766.00	2,934.48	73.00
362	<input type="checkbox"/>	J1044	3.54	2,768.00	2,934.48	72.14
363	<input type="checkbox"/>	J1048	3.54	3,000.00	3,165.84	71.86
364	<input type="checkbox"/>	J104FH	4.11	2,929.00	3,095.90	72.32
365	<input type="checkbox"/>	J1050	3.54	2,861.00	3,212.44	152.28
366	<input type="checkbox"/>	J1054	0.00	2,940.00	3,118.39	77.30
367	<input type="checkbox"/>	J1056	0.00	2,929.50	3,099.67	73.73
368	<input type="checkbox"/>	J1058	0.00	3,007.70	3,211.75	88.42
369	<input type="checkbox"/>	J1062	0.00	3,000.00	3,165.43	71.68
370	<input type="checkbox"/>	J1064	0.00	2,935.51	3,109.31	75.31
371	<input type="checkbox"/>	J1068	3.54	3,138.90	3,166.00	11.74
372	<input type="checkbox"/>	J106FH	4.11	2,923.00	3,095.89	74.91
373	<input type="checkbox"/>	J108FH	4.11	2,921.00	3,096.24	75.93
374	<input type="checkbox"/>	J10FH	4.11	2,845.00	3,058.51	92.51
375	<input type="checkbox"/>	J110FH	4.11	2,914.00	3,096.10	78.91
376	<input type="checkbox"/>	J112FH	4.11	2,934.00	3,094.78	69.67
377	<input type="checkbox"/>	J114FH	4.11	2,932.00	3,094.82	70.55
378	<input type="checkbox"/>	J116FH	4.11	2,925.00	3,095.34	73.81
379	<input type="checkbox"/>	J118FH	4.11	2,929.00	3,094.47	71.70
380	<input type="checkbox"/>	J12	4.11	2,845.00	3,058.73	92.61
381	<input type="checkbox"/>	J120FH	4.11	2,930.00	3,094.68	71.36
382	<input type="checkbox"/>	J122FH	4.11	2,930.00	3,094.76	71.39
383	<input type="checkbox"/>	J124FH	4.11	2,922.00	3,095.53	75.19
384	<input type="checkbox"/>	J126FH	32.49	2,899.00	3,096.55	85.60
385	<input type="checkbox"/>	J128FH	4.11	2,902.00	3,095.81	83.98
386	<input type="checkbox"/>	J130FH	32.49	2,881.00	3,096.70	93.46
387	<input type="checkbox"/>	J132FH	4.11	2,887.00	3,095.95	90.54
388	<input type="checkbox"/>	J134FH	4.11	2,894.00	3,095.63	87.37
389	<input type="checkbox"/>	J136FH	4.11	2,898.00	3,095.55	85.60
390	<input type="checkbox"/>	J138FH	4.11	2,924.00	3,095.09	74.13
391	<input type="checkbox"/>	J140FH	4.11	2,920.00	3,095.08	75.86
392	<input type="checkbox"/>	J142FH	4.11	2,923.00	3,094.95	74.51
393	<input type="checkbox"/>	J144FH	4.11	2,808.00	3,092.19	123.14
394	<input type="checkbox"/>	J146FH	4.11	2,810.00	3,092.20	122.28
395	<input type="checkbox"/>	J148FH	4.11	2,816.00	3,092.20	119.68
396	<input type="checkbox"/>	J14FH	4.11	2,845.00	3,058.11	92.34
397	<input type="checkbox"/>	J150FH	4.11	2,868.00	3,091.91	97.02
398	<input type="checkbox"/>	J152FH	4.11	2,932.00	3,093.26	69.87
399	<input type="checkbox"/>	J154FH	4.11	2,929.00	3,094.06	71.52
400	<input type="checkbox"/>	J156FH	4.11	2,929.00	3,094.11	71.54

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
401	<input type="checkbox"/>	J158FH	4.11	2,928.00	3,094.64	72.20
402	<input type="checkbox"/>	J16	4.11	2,849.00	3,058.10	90.60
403	<input type="checkbox"/>	J160FH	4.11	2,912.00	3,094.52	79.08
404	<input type="checkbox"/>	J162FH	4.11	2,918.00	3,094.84	76.62
405	<input type="checkbox"/>	J164FH	4.11	2,911.00	3,094.80	79.64
406	<input type="checkbox"/>	J166FH	4.11	2,911.00	3,095.06	79.75
407	<input type="checkbox"/>	J168FH	4.11	2,905.00	3,095.18	82.40
408	<input type="checkbox"/>	J170FH	4.11	2,882.00	3,095.41	92.47
409	<input type="checkbox"/>	J172FH	4.11	2,884.00	3,095.17	91.50
410	<input type="checkbox"/>	J174FH	4.11	2,877.00	3,095.03	94.47
411	<input type="checkbox"/>	J176FH	4.11	2,881.00	3,094.92	92.69
412	<input type="checkbox"/>	J178FH	4.11	2,888.00	3,094.85	89.63
413	<input type="checkbox"/>	J180FH	4.11	2,880.00	3,094.80	93.07
414	<input type="checkbox"/>	J182FH	4.11	2,863.00	3,094.80	100.44
415	<input type="checkbox"/>	J184FH	4.11	2,863.00	3,094.70	100.40
416	<input type="checkbox"/>	J186	4.11	2,788.00	2,939.48	65.64
417	<input type="checkbox"/>	J188FH	4.11	2,775.00	2,939.48	71.27
418	<input type="checkbox"/>	J18FH	4.11	2,844.00	3,058.10	92.77
419	<input type="checkbox"/>	J190FH	4.11	2,893.00	3,094.36	87.25
420	<input type="checkbox"/>	J192FH	4.11	2,766.00	2,939.49	75.17
421	<input type="checkbox"/>	J194FH	4.11	2,780.00	2,939.39	69.06
422	<input type="checkbox"/>	J196FH	4.11	2,763.00	2,939.38	76.42
423	<input type="checkbox"/>	J198FH	4.11	2,776.00	2,939.26	70.74
424	<input type="checkbox"/>	J200FH	4.11	2,783.00	2,938.82	67.52
425	<input type="checkbox"/>	J202FH	4.11	2,760.00	2,938.46	77.33
426	<input type="checkbox"/>	J204FH	4.11	2,777.00	2,938.15	69.82
427	<input type="checkbox"/>	J206FH	4.11	2,889.00	3,094.36	88.98
428	<input type="checkbox"/>	J208FH	4.11	2,879.00	3,094.40	93.33
429	<input type="checkbox"/>	J20FH	4.11	2,850.00	3,058.10	90.17
430	<input type="checkbox"/>	J210FH	4.11	2,892.00	3,094.44	87.72
431	<input type="checkbox"/>	J212FH	4.11	2,881.00	3,094.46	92.49
432	<input type="checkbox"/>	J214FH	4.11	2,738.00	2,937.94	86.63
433	<input type="checkbox"/>	J216FH	4.11	2,743.00	2,937.67	84.35
434	<input type="checkbox"/>	J218FH	4.11	2,722.00	2,937.12	93.21
435	<input type="checkbox"/>	J22	4.11	2,852.00	3,058.10	89.30
436	<input type="checkbox"/>	J220FH	4.11	2,725.00	2,937.12	91.91
437	<input type="checkbox"/>	J222FH	4.11	2,732.00	2,937.12	88.88
438	<input type="checkbox"/>	J224	4.11	2,730.00	2,937.12	89.75
439	<input type="checkbox"/>	J226FH	4.11	2,736.00	2,937.12	87.15
440	<input type="checkbox"/>	J228FH	4.11	2,738.00	2,936.95	86.21
441	<input type="checkbox"/>	J230FH	4.11	2,747.00	2,937.18	82.41
442	<input type="checkbox"/>	J232FH	4.11	2,723.00	2,936.22	92.39
443	<input type="checkbox"/>	J234FH	4.11	2,728.00	2,936.22	90.22
444	<input type="checkbox"/>	J236FH	4.11	2,738.00	2,936.70	86.09
445	<input type="checkbox"/>	J238FH	4.11	2,745.00	2,936.97	83.18
446	<input type="checkbox"/>	J240FH	4.11	2,720.00	2,934.91	93.12
447	<input type="checkbox"/>	J242FH	4.11	2,742.00	2,935.44	83.82
448	<input type="checkbox"/>	J244FH	4.11	2,755.00	3,040.71	123.80
449	<input type="checkbox"/>	J246FH	4.11	2,835.00	3,054.20	94.98
450	<input type="checkbox"/>	J248FH	4.11	2,740.00	2,936.11	84.97



Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
451	<input type="checkbox"/>	J24FH	4.11	2,842.00	3,058.10	93.64
452	<input type="checkbox"/>	J250FH	4.11	2,749.00	2,936.65	81.31
453	<input type="checkbox"/>	J252FH	4.11	2,743.00	2,936.18	83.70
454	<input type="checkbox"/>	J254FH	4.11	2,743.00	2,936.04	83.65
455	<input type="checkbox"/>	J256FH	4.11	2,804.00	3,041.18	102.77
456	<input type="checkbox"/>	J258FH	4.11	2,778.00	3,041.16	114.03
457	<input type="checkbox"/>	J260FH	4.11	2,797.00	3,041.11	105.77
458	<input type="checkbox"/>	J262FH	4.11	2,796.00	3,041.04	106.18
459	<input type="checkbox"/>	J264FH	4.11	2,799.00	3,041.00	104.86
460	<input type="checkbox"/>	J266FH	4.11	2,812.00	3,041.24	99.33
461	<input type="checkbox"/>	J268FH	4.11	2,810.00	3,041.22	100.19
462	<input type="checkbox"/>	J26FH	4.11	2,849.00	3,058.10	90.60
463	<input type="checkbox"/>	J270FH	4.11	2,807.00	3,041.16	101.46
464	<input type="checkbox"/>	J272FH	4.11	2,824.00	3,041.38	94.19
465	<input type="checkbox"/>	J274FH	4.11	2,804.00	3,041.42	102.87
466	<input type="checkbox"/>	J276FH	4.11	2,818.00	3,041.24	96.73
467	<input type="checkbox"/>	J278FH	4.11	2,824.00	3,041.28	94.15
468	<input type="checkbox"/>	J28	4.11	2,922.00	3,093.67	74.39
469	<input type="checkbox"/>	J280FH	4.11	2,819.00	3,041.29	96.32
470	<input type="checkbox"/>	J282FH	4.11	2,841.00	3,041.43	86.85
471	<input type="checkbox"/>	J284FH	4.11	2,843.00	3,041.35	85.94
472	<input type="checkbox"/>	J286FH	4.11	2,844.00	3,041.28	85.48
473	<input type="checkbox"/>	J288FH	4.11	2,849.00	3,041.26	83.31
474	<input type="checkbox"/>	J290FH	4.11	2,794.00	3,041.24	107.13
475	<input type="checkbox"/>	J292FH	4.11	2,856.00	3,041.24	80.27
476	<input type="checkbox"/>	J294FH	4.11	2,845.00	3,041.25	85.03
477	<input type="checkbox"/>	J296FH	4.11	2,843.00	3,041.25	85.90
478	<input type="checkbox"/>	J298FH	4.11	2,852.00	3,041.25	82.00
479	<input type="checkbox"/>	J300FH	4.11	2,875.00	3,041.24	72.03
480	<input type="checkbox"/>	J302FH	4.11	2,871.00	3,041.24	73.76
481	<input type="checkbox"/>	J304FH	4.11	2,872.00	3,041.24	73.33
482	<input type="checkbox"/>	J306FH	4.11	2,864.00	3,041.25	76.80
483	<input type="checkbox"/>	J308FH	4.11	2,858.00	3,041.25	79.40
484	<input type="checkbox"/>	J310FH	4.11	2,752.00	2,934.40	79.03
485	<input type="checkbox"/>	J312FH	4.11	2,739.00	2,934.21	84.59
486	<input type="checkbox"/>	J314FH	4.11	2,743.00	2,934.34	82.91
487	<input type="checkbox"/>	J316FH	4.11	2,734.00	2,934.27	86.78
488	<input type="checkbox"/>	J318FH	4.11	2,720.00	2,934.21	92.82
489	<input type="checkbox"/>	J320FH	4.11	2,716.00	2,934.19	94.54
490	<input type="checkbox"/>	J322FH	4.11	2,721.00	2,934.19	92.38
491	<input type="checkbox"/>	J324FH	4.11	2,727.00	2,934.20	89.78
492	<input type="checkbox"/>	J326FH	4.11	2,729.00	2,934.19	88.91
493	<input type="checkbox"/>	J328FH	4.11	2,736.00	2,934.16	85.86
494	<input type="checkbox"/>	J330FH	4.11	2,727.00	2,934.16	89.76
495	<input type="checkbox"/>	J332FH	4.11	2,736.00	2,934.17	85.87
496	<input type="checkbox"/>	J334FH	4.11	2,739.00	2,934.18	84.57
497	<input type="checkbox"/>	J336FH	4.11	2,733.00	2,934.29	87.22
498	<input type="checkbox"/>	J338FH	4.11	2,725.00	2,934.22	90.65
499	<input type="checkbox"/>	J340FH	4.11	2,739.00	2,934.29	84.62
500	<input type="checkbox"/>	J342FH	4.11	2,728.00	2,934.36	89.41

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
501	<input type="checkbox"/>	J344FH	4.11	2,736.00	2,934.29	85.92
502	<input type="checkbox"/>	J346FH	4.11	2,740.00	2,934.30	84.19
503	<input type="checkbox"/>	J348FH	4.11	2,746.00	2,934.39	81.63
504	<input type="checkbox"/>	J34FH	4.11	2,922.00	3,093.54	74.33
505	<input type="checkbox"/>	J350FH	4.11	2,746.00	2,934.40	81.63
506	<input type="checkbox"/>	J352FH	4.11	2,735.00	2,934.47	86.43
507	<input type="checkbox"/>	J354FH	4.11	2,749.00	2,934.58	80.41
508	<input type="checkbox"/>	J356FH	4.11	2,721.00	2,934.57	92.54
509	<input type="checkbox"/>	J358FH	4.11	2,733.00	2,934.46	87.29
510	<input type="checkbox"/>	J36	4.11	2,906.00	3,092.80	80.94
511	<input type="checkbox"/>	J360FH	4.11	2,705.00	2,934.05	99.25
512	<input type="checkbox"/>	J362FH	4.11	2,705.00	2,934.09	99.26
513	<input type="checkbox"/>	J364FH	4.11	2,718.00	2,934.14	93.65
514	<input type="checkbox"/>	J366FH	4.11	2,721.00	2,934.14	92.35
515	<input type="checkbox"/>	J368FH	4.11	2,717.00	2,934.13	94.08
516	<input type="checkbox"/>	J370FH	4.11	2,731.00	2,934.15	88.02
517	<input type="checkbox"/>	J372FH	4.11	2,731.00	2,934.15	88.02
518	<input type="checkbox"/>	J374FH	4.11	2,704.00	2,934.16	99.73
519	<input type="checkbox"/>	J376FH	4.11	2,705.00	2,934.16	99.30
520	<input type="checkbox"/>	J380FH	4.11	2,947.00	3,097.19	65.08
521	<input type="checkbox"/>	J382FH	4.11	2,948.00	3,097.15	64.63
522	<input type="checkbox"/>	J384FH	4.11	2,945.00	3,097.11	65.91
523	<input type="checkbox"/>	J388	4.11	2,946.00	3,097.02	65.44
524	<input type="checkbox"/>	J38FH	4.11	2,913.00	3,094.35	78.58
525	<input type="checkbox"/>	J392	4.11	2,952.00	3,097.02	62.84
526	<input type="checkbox"/>	J394	4.11	2,945.00	3,096.97	65.85
527	<input type="checkbox"/>	J396	4.11	2,942.00	3,097.35	67.31
528	<input type="checkbox"/>	J398FH	4.11	2,943.00	3,097.26	66.84
529	<input type="checkbox"/>	J40	4.11	2,916.00	3,094.35	77.28
530	<input type="checkbox"/>	J400	4.11	2,902.00	3,097.74	84.82
531	<input type="checkbox"/>	J402FH	32.49	2,912.00	3,097.52	80.39
532	<input type="checkbox"/>	J404FH	4.11	2,917.00	3,097.38	78.16
533	<input type="checkbox"/>	J406FH	4.11	2,921.00	3,097.42	76.44
534	<input type="checkbox"/>	J408	4.11	2,918.00	3,097.42	77.74
535	<input type="checkbox"/>	J410FH	4.11	2,922.00	3,097.18	75.90
536	<input type="checkbox"/>	J412FH	4.11	2,929.00	3,096.76	72.69
537	<input type="checkbox"/>	J414	4.11	2,928.00	3,093.85	71.86
538	<input type="checkbox"/>	J416FH	4.11	2,928.00	3,093.38	71.66
539	<input type="checkbox"/>	J418FH	4.11	2,926.00	3,093.38	72.52
540	<input type="checkbox"/>	J420FH	4.11	2,918.00	3,093.31	75.96
541	<input type="checkbox"/>	J422FH	4.11	2,928.00	3,093.48	71.70
542	<input type="checkbox"/>	J424FH	4.11	2,928.00	3,093.47	71.70
543	<input type="checkbox"/>	J426FH	4.11	2,927.00	3,093.46	72.13
544	<input type="checkbox"/>	J42FH	4.11	2,919.00	3,094.34	75.98
545	<input type="checkbox"/>	J430	4.11	2,923.00	3,093.28	73.78
546	<input type="checkbox"/>	J432	4.11	2,924.00	3,093.28	73.35
547	<input type="checkbox"/>	J434FH	4.11	2,926.00	3,093.28	72.48
548	<input type="checkbox"/>	J436	4.11	2,922.00	3,093.28	74.21
549	<input type="checkbox"/>	J438	4.11	2,923.00	3,093.28	73.78
550	<input type="checkbox"/>	J440FH	4.11	2,925.00	3,093.46	72.99

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
551	<input type="checkbox"/>	J442FH	4.11	2,926.00	3,093.42	72.54
552	<input type="checkbox"/>	J444FH	4.11	2,930.00	3,094.08	71.10
553	<input type="checkbox"/>	J446	4.11	2,909.00	3,093.12	79.78
554	<input type="checkbox"/>	J448	4.11	2,923.00	3,093.31	73.80
555	<input type="checkbox"/>	J44FH	4.11	2,918.00	3,094.35	76.41
556	<input type="checkbox"/>	J450FH	4.11	2,918.00	3,099.05	78.45
557	<input type="checkbox"/>	J452FH	32.49	2,915.00	3,098.43	79.48
558	<input type="checkbox"/>	J454	4.11	2,841.00	3,041.25	86.77
559	<input type="checkbox"/>	J456FH	4.11	2,706.00	2,934.02	98.80
560	<input type="checkbox"/>	J458FH	4.11	2,709.00	2,934.02	97.50
561	<input type="checkbox"/>	J46	4.11	2,896.00	3,094.36	85.95
562	<input type="checkbox"/>	J460FH	4.11	2,713.00	2,934.02	95.77
563	<input type="checkbox"/>	J462FH	4.11	2,713.00	2,934.02	95.77
564	<input type="checkbox"/>	J464	4.11	2,711.00	2,934.02	96.64
565	<input type="checkbox"/>	J466	4.11	2,707.00	2,934.02	98.37
566	<input type="checkbox"/>	J468	4.11	2,712.00	2,934.02	96.20
567	<input type="checkbox"/>	J470	4.11	2,712.00	2,934.03	96.21
568	<input type="checkbox"/>	J472	4.11	2,712.00	2,934.02	96.20
569	<input type="checkbox"/>	J474	4.11	2,712.00	2,934.02	96.20
570	<input type="checkbox"/>	J476	3.54	2,815.00	3,085.36	117.15
571	<input type="checkbox"/>	J478FH	4.11	2,816.00	3,085.45	116.75
572	<input type="checkbox"/>	J48	4.11	2,900.00	3,094.45	84.26
573	<input type="checkbox"/>	J480FH	4.11	2,796.00	3,086.12	125.71
574	<input type="checkbox"/>	J482FH	63.98	2,796.00	3,086.87	126.03
575	<input type="checkbox"/>	J484FH	4.11	2,811.00	3,087.65	119.87
576	<input type="checkbox"/>	J486FH	4.11	2,840.00	3,088.73	107.77
577	<input type="checkbox"/>	J488FH	4.11	2,820.00	3,088.78	116.46
578	<input type="checkbox"/>	J490FH	4.11	2,818.00	3,088.84	117.36
579	<input type="checkbox"/>	J492FH	4.11	2,820.00	3,088.90	116.52
580	<input type="checkbox"/>	J494FH	63.98	2,818.00	3,088.88	117.37
581	<input type="checkbox"/>	J496FH	4.11	2,815.00	3,089.09	118.76
582	<input type="checkbox"/>	J500FH	4.11	2,823.00	3,089.28	115.38
583	<input type="checkbox"/>	J508FH	4.11	2,847.00	3,089.31	104.99
584	<input type="checkbox"/>	J50FH	4.11	2,695.00	2,934.16	103.63
585	<input type="checkbox"/>	J510FH	4.11	2,856.00	3,089.35	101.11
586	<input type="checkbox"/>	J512	4.11	2,872.00	3,089.35	94.18
587	<input type="checkbox"/>	J514FH	4.11	2,869.00	3,089.39	95.49
588	<input type="checkbox"/>	J516	4.11	2,867.00	3,089.40	96.37
589	<input type="checkbox"/>	J518FH	4.11	2,865.00	3,089.44	97.25
590	<input type="checkbox"/>	J52	4.11	2,742.00	2,934.29	83.32
591	<input type="checkbox"/>	J522FH	4.11	2,824.00	3,089.28	114.95
592	<input type="checkbox"/>	J524	4.11	2,815.00	3,089.24	118.83
593	<input type="checkbox"/>	J526FH	4.11	2,840.00	3,089.33	108.04
594	<input type="checkbox"/>	J528FH	4.11	2,854.00	3,089.39	102.00
595	<input type="checkbox"/>	J532FH	4.11	2,858.00	3,089.46	100.29
596	<input type="checkbox"/>	J534	4.11	2,860.00	3,089.48	99.43
597	<input type="checkbox"/>	J536	778.30	2,914.00	3,085.35	74.25
598	<input type="checkbox"/>	J538	0.00	3,052.00	2,888.57	-70.82
599	<input type="checkbox"/>	J54	4.11	2,738.00	2,934.29	85.05
600	<input type="checkbox"/>	J540	44.15	2,927.00	3,102.70	76.13

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
601	<input type="checkbox"/>	J542	0.00	3,125.00	2,888.57	-102.45
602	<input type="checkbox"/>	J544	0.00	2,949.00	2,888.57	-26.19
603	<input type="checkbox"/>	J546	3.54	2,760.00	3,212.46	196.05
604	<input type="checkbox"/>	J548	3.54	2,760.00	3,212.45	196.05
605	<input type="checkbox"/>	J550	3.54	2,760.00	3,212.44	196.04
606	<input type="checkbox"/>	J552	3.54	2,760.00	3,212.44	196.04
607	<input type="checkbox"/>	J554	3.54	2,760.00	3,212.45	196.05
608	<input type="checkbox"/>	J556	3.54	2,760.00	3,212.45	196.05
609	<input type="checkbox"/>	J558	3.54	2,760.00	3,212.45	196.05
610	<input type="checkbox"/>	J560	4.11	2,875.00	3,094.66	95.18
611	<input type="checkbox"/>	J562	3.54	2,865.00	3,094.67	99.52
612	<input type="checkbox"/>	J564	4.11	2,820.00	3,041.24	95.86
613	<input type="checkbox"/>	J566FH	4.11	2,922.00	3,099.88	77.08
614	<input type="checkbox"/>	J568FH	4.11	2,928.00	3,099.61	74.36
615	<input type="checkbox"/>	J56FH	4.11	2,740.00	2,934.23	84.16
616	<input type="checkbox"/>	J570FH	4.11	2,929.00	3,099.61	73.93
617	<input type="checkbox"/>	J572	4.11	2,939.00	3,099.21	69.42
618	<input type="checkbox"/>	J574	4.11	2,937.00	3,099.34	70.34
619	<input type="checkbox"/>	J576	4.11	2,942.00	3,099.18	68.10
620	<input type="checkbox"/>	J578	4.11	2,940.00	3,099.05	68.92
621	<input type="checkbox"/>	J580FH	4.11	2,939.00	3,099.05	69.35
622	<input type="checkbox"/>	J582	4.11	2,922.00	3,099.85	77.06
623	<input type="checkbox"/>	J584FH	4.11	2,842.00	3,089.06	107.05
624	<input type="checkbox"/>	J586	4.11	2,865.00	3,089.30	97.19
625	<input type="checkbox"/>	J588	4.11	2,857.00	3,089.31	100.66
626	<input type="checkbox"/>	J58FH	4.11	2,734.00	2,934.20	86.75
627	<input type="checkbox"/>	J590FH	4.11	2,833.00	3,089.05	110.95
628	<input type="checkbox"/>	J594FH	4.11	2,826.00	3,089.05	113.98
629	<input type="checkbox"/>	J596FH	4.11	2,803.00	3,088.88	123.87
630	<input type="checkbox"/>	J60	4.11	2,728.00	2,934.19	89.34
631	<input type="checkbox"/>	J600FH	4.11	2,846.00	3,089.35	105.44
632	<input type="checkbox"/>	J602	4.11	2,846.00	3,089.35	105.44
633	<input type="checkbox"/>	J604	4.11	2,945.00	3,099.10	66.77
634	<input type="checkbox"/>	J606FH	4.11	2,950.00	3,099.01	64.57
635	<input type="checkbox"/>	J608	4.11	2,943.00	3,099.10	67.64
636	<input type="checkbox"/>	J610FH	4.11	2,936.00	3,099.56	70.87
637	<input type="checkbox"/>	J612FH	4.11	2,931.00	3,099.73	73.11
638	<input type="checkbox"/>	J614	4.11	2,931.00	3,099.62	73.06
639	<input type="checkbox"/>	J616	44.15	2,933.00	3,099.58	72.18
640	<input type="checkbox"/>	J618	3.54	3,143.00	3,169.29	11.39
641	<input type="checkbox"/>	J62	4.11	2,723.00	2,934.19	91.51
642	<input type="checkbox"/>	J620	4.11	2,865.00	3,041.25	76.37
643	<input type="checkbox"/>	J622FH	4.11	2,826.00	3,043.12	94.08
644	<input type="checkbox"/>	J624FH	4.11	2,835.00	3,043.11	90.18
645	<input type="checkbox"/>	J626FH	4.11	2,805.00	3,042.60	102.95
646	<input type="checkbox"/>	J630FH	4.11	2,825.00	3,043.11	94.51
647	<input type="checkbox"/>	J634FH	4.11	2,831.00	3,043.11	91.91
648	<input type="checkbox"/>	J638FH	4.11	2,790.00	3,042.28	109.31
649	<input type="checkbox"/>	J64	4.11	2,742.00	2,934.18	83.27
650	<input type="checkbox"/>	J640FH	4.11	2,930.00	3,099.57	73.47

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
651	<input type="checkbox"/>	J642FH	4.11	2,929.00	3,099.65	73.94
652	<input type="checkbox"/>	J646FH	4.11	2,934.00	3,099.58	71.74
653	<input type="checkbox"/>	J648FH	4.11	2,799.00	3,084.75	123.81
654	<input type="checkbox"/>	J650FH	4.11	2,790.00	3,084.50	127.61
655	<input type="checkbox"/>	J652FH	4.11	2,774.00	3,084.17	134.40
656	<input type="checkbox"/>	J654FH	4.11	2,772.00	3,084.29	135.32
657	<input type="checkbox"/>	J656FH	4.11	2,779.00	3,084.43	132.34
658	<input type="checkbox"/>	J658FH	4.11	2,784.00	3,084.45	130.19
659	<input type="checkbox"/>	J660FH	4.11	2,774.00	3,084.44	134.51
660	<input type="checkbox"/>	J662FH	71.73	2,765.00	3,084.40	138.40
661	<input type="checkbox"/>	J664FH	4.11	2,784.00	3,084.53	130.22
662	<input type="checkbox"/>	J666FH	4.11	2,792.00	3,084.65	126.81
663	<input type="checkbox"/>	J668	71.73	2,805.00	3,084.53	121.12
664	<input type="checkbox"/>	J66FH	4.11	2,733.00	2,934.14	87.15
665	<input type="checkbox"/>	J670	4.11	2,746.42	2,937.67	82.87
666	<input type="checkbox"/>	J672FH	4.11	2,747.00	2,937.67	82.62
667	<input type="checkbox"/>	J674	4.11	2,931.48	3,097.04	71.74
668	<input type="checkbox"/>	J676FH	4.11	2,935.42	3,097.06	70.04
669	<input type="checkbox"/>	J678FH	4.11	2,934.28	3,097.15	70.57
670	<input type="checkbox"/>	J680FH	4.11	2,931.09	3,097.25	72.00
671	<input type="checkbox"/>	J682	4.11	2,926.25	3,097.31	74.12
672	<input type="checkbox"/>	J684FH	4.11	2,930.42	3,097.26	72.29
673	<input type="checkbox"/>	J686FH	4.11	2,929.00	3,097.16	72.86
674	<input type="checkbox"/>	J688	4.11	2,924.95	3,097.15	74.61
675	<input type="checkbox"/>	J68FH	4.11	2,743.00	2,934.14	82.82
676	<input type="checkbox"/>	J690	4.11	2,925.00	3,097.15	74.59
677	<input type="checkbox"/>	J692FH	4.11	2,932.10	3,097.09	71.49
678	<input type="checkbox"/>	J694	4.11	2,923.00	3,097.41	75.57
679	<input type="checkbox"/>	J696	4.11	2,935.00	3,098.26	70.74
680	<input type="checkbox"/>	J698	4.11	2,929.52	3,097.98	72.99
681	<input type="checkbox"/>	J700FH	4.11	2,936.95	3,097.98	69.77
682	<input type="checkbox"/>	J702	4.11	2,925.68	3,097.54	74.47
683	<input type="checkbox"/>	J704FH	4.11	2,926.37	3,097.54	74.17
684	<input type="checkbox"/>	J706FH	4.11	2,934.71	3,097.54	70.55
685	<input type="checkbox"/>	J708FH	4.11	2,930.45	3,097.98	72.59
686	<input type="checkbox"/>	J70FH	4.11	2,731.00	2,934.15	88.03
687	<input type="checkbox"/>	J710FH	4.11	2,935.73	3,098.19	70.39
688	<input type="checkbox"/>	J712	4.11	2,721.80	2,936.22	92.91
689	<input type="checkbox"/>	J714FH	4.11	2,726.17	2,936.22	91.02
690	<input type="checkbox"/>	J716	4.11	2,720.00	2,936.22	93.69
691	<input type="checkbox"/>	J718FH	4.11	2,723.42	2,936.22	92.21
692	<input type="checkbox"/>	J72	4.11	2,724.00	2,936.22	91.96
693	<input type="checkbox"/>	J720FH	4.11	2,781.00	3,041.98	113.08
694	<input type="checkbox"/>	J724	4.11	2,934.00	3,098.99	71.49
695	<input type="checkbox"/>	J728	4.11	2,932.00	3,099.00	72.36
696	<input type="checkbox"/>	J730FH	4.11	2,932.00	3,099.00	72.36
697	<input type="checkbox"/>	J732	4.11	2,930.00	3,099.06	73.25
698	<input type="checkbox"/>	J736	4.11	2,922.00	3,099.34	76.84
699	<input type="checkbox"/>	J738FH	4.11	2,924.00	3,099.26	75.94
700	<input type="checkbox"/>	J74	4.11	2,911.00	3,095.81	80.08

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
701	<input type="checkbox"/>	J740FH	4.11	2,916.00	3,099.54	79.53
702	<input type="checkbox"/>	J742FH	4.11	2,938.00	3,098.87	69.71
703	<input type="checkbox"/>	J744	4.11	2,942.00	3,098.70	67.90
704	<input type="checkbox"/>	J746	4.11	2,944.00	3,098.91	67.12
705	<input type="checkbox"/>	J748	44.15	2,950.00	3,098.89	64.51
706	<input type="checkbox"/>	J750FH	4.11	2,941.00	3,098.90	68.42
707	<input type="checkbox"/>	J752	44.15	2,946.00	3,098.88	66.24
708	<input type="checkbox"/>	J754	4.11	2,944.00	3,098.90	67.12
709	<input type="checkbox"/>	J756	4.11	2,948.00	3,099.01	65.43
710	<input type="checkbox"/>	J758	4.11	2,952.00	3,099.01	63.70
711	<input type="checkbox"/>	J76	4.11	2,886.00	3,096.12	91.05
712	<input type="checkbox"/>	J774	4.11	2,738.00	2,934.14	84.99
713	<input type="checkbox"/>	J776	4.11	2,736.00	2,934.14	85.86
714	<input type="checkbox"/>	J778	4.11	2,771.00	3,084.35	135.78
715	<input type="checkbox"/>	J780	4.11	2,770.00	3,084.35	136.21
716	<input type="checkbox"/>	J782	4.11	2,812.00	3,041.40	99.40
717	<input type="checkbox"/>	J784FH	4.11	2,774.00	3,084.19	134.40
718	<input type="checkbox"/>	J786FH	4.11	2,781.00	3,041.94	113.06
719	<input type="checkbox"/>	J788FH	4.11	2,921.00	3,096.13	75.88
720	<input type="checkbox"/>	J78FH	4.11	2,932.00	3,095.92	71.03
721	<input type="checkbox"/>	J790FH	4.11	2,926.00	3,099.10	75.01
722	<input type="checkbox"/>	J792	44.15	2,943.00	3,097.80	67.08
723	<input type="checkbox"/>	J794	403.93	2,907.00	3,103.56	85.17
724	<input type="checkbox"/>	J796	43.58	2,889.00	3,098.43	90.75
725	<input type="checkbox"/>	J798	67.62	2,955.00	3,084.73	56.21
726	<input type="checkbox"/>	J800	0.00	2,913.00	3,084.67	74.39
727	<input type="checkbox"/>	J802	4.11	2,774.00	2,940.15	71.99
728	<input type="checkbox"/>	J804	4.11	2,799.00	3,084.92	123.89
729	<input type="checkbox"/>	J806	0.00	2,757.00	3,084.40	141.86
730	<input type="checkbox"/>	J80FH	4.11	2,925.00	3,095.88	74.04
731	<input type="checkbox"/>	J814	3.54	2,981.00	3,212.48	100.30
732	<input type="checkbox"/>	J816	3.54	2,963.00	3,099.01	58.93
733	<input type="checkbox"/>	J818	3.54	2,954.00	3,099.01	62.83
734	<input type="checkbox"/>	J820	0.00	2,960.45	3,204.14	105.59
735	<input type="checkbox"/>	J822	0.00	2,966.52	3,207.90	104.59
736	<input type="checkbox"/>	J824	0.00	2,980.76	3,210.29	99.46
737	<input type="checkbox"/>	J826	0.00	2,987.71	3,210.07	96.35
738	<input type="checkbox"/>	J828	0.00	2,996.13	3,210.50	92.88
739	<input type="checkbox"/>	J82FH	4.11	2,917.00	3,095.78	77.47
740	<input type="checkbox"/>	J830	0.00	2,995.21	3,210.38	93.23
741	<input type="checkbox"/>	J832	0.00	2,990.88	3,210.19	95.03
742	<input type="checkbox"/>	J834	0.00	3,009.18	3,211.69	87.75
743	<input type="checkbox"/>	J836	0.00	3,002.40	3,210.38	90.12
744	<input type="checkbox"/>	J838	3.54	3,004.53	3,211.88	89.84
745	<input type="checkbox"/>	J840	0.00	2,944.90	3,209.06	114.46
746	<input type="checkbox"/>	J842	0.00	2,940.71	3,209.06	116.28
747	<input type="checkbox"/>	J844	0.00	2,968.00	3,210.17	104.93
748	<input type="checkbox"/>	J846	0.00	2,967.45	3,210.15	105.16
749	<input type="checkbox"/>	J848	0.00	2,961.29	3,210.09	107.81
750	<input type="checkbox"/>	J84FH	4.11	2,922.00	3,095.78	75.30

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
751	<input type="checkbox"/>	J850	0.00	2,960.78	3,210.07	108.02
752	<input type="checkbox"/>	J852	0.00	2,968.68	3,210.34	104.71
753	<input type="checkbox"/>	J854	0.00	2,975.04	3,210.32	101.94
754	<input type="checkbox"/>	J856	0.00	2,978.19	3,210.31	100.58
755	<input type="checkbox"/>	J858	0.00	2,888.43	3,073.45	80.17
756	<input type="checkbox"/>	J86	4.11	2,925.00	3,095.34	73.81
757	<input type="checkbox"/>	J860	0.00	2,898.05	3,081.12	79.32
758	<input type="checkbox"/>	J862	0.00	2,899.49	3,084.16	80.02
759	<input type="checkbox"/>	J864	0.00	2,884.62	3,081.12	85.14
760	<input type="checkbox"/>	J866	0.00	2,902.06	3,088.37	80.73
761	<input type="checkbox"/>	J868	0.00	2,926.83	3,092.62	71.84
762	<input type="checkbox"/>	J870	0.00	2,920.55	3,091.94	74.26
763	<input type="checkbox"/>	J872	0.00	2,903.55	3,091.85	81.59
764	<input type="checkbox"/>	J874	0.00	2,922.53	3,091.85	73.36
765	<input type="checkbox"/>	J876	0.00	2,923.74	3,091.85	72.84
766	<input type="checkbox"/>	J878	0.00	2,918.62	3,091.85	75.06
767	<input type="checkbox"/>	J88	4.11	2,916.00	3,095.09	77.60
768	<input type="checkbox"/>	J880	0.00	2,905.87	3,091.85	80.58
769	<input type="checkbox"/>	J882	0.00	2,896.80	3,091.94	84.55
770	<input type="checkbox"/>	J884	0.00	2,893.57	3,098.02	88.59
771	<input type="checkbox"/>	J886	0.00	2,911.70	3,098.02	80.73
772	<input type="checkbox"/>	J888	0.00	2,908.12	3,098.36	82.43
773	<input type="checkbox"/>	J890	0.00	2,912.56	3,098.32	80.49
774	<input type="checkbox"/>	J892	0.00	2,899.90	3,098.36	85.99
775	<input type="checkbox"/>	J894	0.00	2,919.68	3,098.40	77.44
776	<input type="checkbox"/>	J896	0.00	2,914.64	3,097.79	79.36
777	<input type="checkbox"/>	J898	0.00	2,915.94	3,097.82	78.81
778	<input type="checkbox"/>	J90	4.11	2,922.00	3,095.34	75.11
779	<input type="checkbox"/>	J900	0.00	2,920.41	3,097.82	76.87
780	<input type="checkbox"/>	J902	0.00	2,916.53	3,098.26	78.74
781	<input type="checkbox"/>	J904	0.00	2,942.70	3,098.17	67.37
782	<input type="checkbox"/>	J906	0.00	2,941.03	3,098.19	68.10
783	<input type="checkbox"/>	J908	0.00	2,927.52	3,098.20	73.96
784	<input type="checkbox"/>	J910	0.00	2,938.15	3,098.20	69.35
785	<input type="checkbox"/>	J912	0.00	2,933.82	3,098.20	71.23
786	<input type="checkbox"/>	J914	0.00	2,941.49	3,098.20	67.90
787	<input type="checkbox"/>	J916	0.00	2,940.75	3,098.20	68.22
788	<input type="checkbox"/>	J918	0.00	2,962.00	3,098.17	59.00
789	<input type="checkbox"/>	J920	0.00	2,963.07	3,098.17	58.54
790	<input type="checkbox"/>	J922	0.00	2,951.49	3,098.17	63.56
791	<input type="checkbox"/>	J924	0.00	2,964.29	3,098.17	58.01
792	<input type="checkbox"/>	J926	0.00	2,943.69	3,098.17	66.94
793	<input type="checkbox"/>	J928	0.00	2,951.57	3,098.17	63.52
794	<input type="checkbox"/>	J92FH	4.11	2,948.00	3,094.99	63.69
795	<input type="checkbox"/>	J930	0.00	2,951.82	3,098.17	63.41
796	<input type="checkbox"/>	J932	0.00	2,948.36	3,098.17	64.91
797	<input type="checkbox"/>	J934	0.00	2,944.53	3,098.17	66.57
798	<input type="checkbox"/>	J936	0.00	2,942.91	3,098.17	67.28
799	<input type="checkbox"/>	J938	0.00	2,918.30	3,103.21	80.12
800	<input type="checkbox"/>	J940	0.00	2,926.09	3,103.21	76.74

Average Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
801	<input type="checkbox"/>	J942	3.54	2,907.00	3,098.85	83.13
802	<input type="checkbox"/>	J944	0.00	2,929.59	3,209.06	121.10
803	<input type="checkbox"/>	J946	3.54	2,983.37	3,211.95	99.04
804	<input type="checkbox"/>	J948	3.54	2,946.00	3,118.39	74.70
805	<input type="checkbox"/>	J94FH	4.11	2,950.00	3,095.84	63.19
806	<input type="checkbox"/>	J950	0.00	2,937.89	3,116.36	77.33
807	<input type="checkbox"/>	J952	0.00	2,939.75	3,119.05	77.69
808	<input type="checkbox"/>	J954	3.54	2,847.00	3,062.25	93.27
809	<input type="checkbox"/>	J960	3.54	2,851.00	3,065.05	92.75
810	<input type="checkbox"/>	J962	3.54	2,855.00	3,066.61	91.69
811	<input type="checkbox"/>	J964	3.54	2,861.00	3,068.66	89.98
812	<input type="checkbox"/>	J966	3.54	2,861.00	3,070.00	90.56
813	<input type="checkbox"/>	J968	3.54	2,915.00	3,100.10	80.21
814	<input type="checkbox"/>	J96FH	4.11	2,941.00	3,095.06	66.76
815	<input type="checkbox"/>	J970	3.54	2,924.00	3,099.87	76.20
816	<input type="checkbox"/>	J972	3.54	2,917.00	3,100.55	79.53
817	<input type="checkbox"/>	J974	3.54	2,919.00	3,100.11	78.48
818	<input type="checkbox"/>	J976	3.54	2,926.00	3,099.87	75.34
819	<input type="checkbox"/>	J978	3.54	2,934.00	3,103.51	73.45
820	<input type="checkbox"/>	J980	3.54	2,934.00	3,103.40	73.40
821	<input type="checkbox"/>	J982	3.54	2,928.00	3,103.13	75.88
822	<input type="checkbox"/>	J984	3.54	2,944.00	3,113.94	73.63
823	<input type="checkbox"/>	J986	3.54	2,923.00	3,107.98	80.15
824	<input type="checkbox"/>	J988	3.54	2,921.00	3,105.33	79.87
825	<input type="checkbox"/>	J98FH	4.11	2,936.00	3,094.42	68.65
826	<input type="checkbox"/>	J990	3.54	2,916.00	3,104.03	81.47
827	<input type="checkbox"/>	J992	3.54	2,923.00	3,103.54	78.23
828	<input type="checkbox"/>	J994	3.54	2,946.00	3,119.05	74.98
829	<input type="checkbox"/>	J996	3.54	2,910.00	3,098.97	81.88
830	<input type="checkbox"/>	J998	3.54	2,908.00	3,098.46	82.52



Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1	<input type="checkbox"/>	J-100FH	8.25	2,876.00	2,995.23	51.66
2	<input type="checkbox"/>	J-101	8.25	2,865.00	3,028.74	70.95
3	<input type="checkbox"/>	J-102FH	8.25	2,868.00	3,036.53	73.03
4	<input type="checkbox"/>	J-103FH	8.25	2,871.00	3,037.36	72.08
5	<input type="checkbox"/>	J-104	8.25	2,839.00	2,987.87	64.51
6	<input type="checkbox"/>	J-105FH	8.25	2,875.00	3,037.98	70.62
7	<input type="checkbox"/>	J-106FH	8.25	2,877.00	3,032.56	67.40
8	<input type="checkbox"/>	J-107FH	8.25	2,936.00	3,046.41	47.84
9	<input type="checkbox"/>	J-108	8.25	2,876.00	3,036.63	69.60
10	<input type="checkbox"/>	J-109FH	8.25	2,875.00	3,037.43	70.38
11	<input type="checkbox"/>	J-10FH	8.25	2,741.00	2,930.90	82.28
12	<input type="checkbox"/>	J-110	8.25	2,879.00	3,037.98	68.88
13	<input type="checkbox"/>	J-111	8.25	2,899.50	3,038.73	60.33
14	<input type="checkbox"/>	J-112	8.25	2,879.00	3,038.72	69.21
15	<input type="checkbox"/>	J-113	8.25	2,885.00	3,040.61	67.43
16	<input type="checkbox"/>	J-114FH	8.25	2,885.50	3,039.68	66.80
17	<input type="checkbox"/>	J-115	8.25	2,885.00	3,039.67	67.02
18	<input type="checkbox"/>	J-116FH	8.25	2,881.00	3,041.87	69.71
19	<input type="checkbox"/>	J-117	8.25	2,897.00	3,039.97	61.95
20	<input type="checkbox"/>	J-118FH	8.25	2,891.00	3,040.67	64.85
21	<input type="checkbox"/>	J-119FH	8.25	2,889.00	3,041.29	65.99
22	<input type="checkbox"/>	J-11FH	8.25	2,740.00	2,930.55	82.56
23	<input type="checkbox"/>	J-12	8.25	2,766.00	2,932.79	72.27
24	<input type="checkbox"/>	J-120	8.25	2,887.00	3,041.80	67.08
25	<input type="checkbox"/>	J-1208	8.25	2,822.00	2,989.07	72.39
26	<input type="checkbox"/>	J-121	8.25	2,878.00	3,042.28	71.18
27	<input type="checkbox"/>	J-1210	7.10	2,760.00	3,155.99	171.58
28	<input type="checkbox"/>	J-122FH	8.25	2,880.00	3,042.48	70.40
29	<input type="checkbox"/>	J-123	8.25	2,870.00	3,042.28	74.65
30	<input type="checkbox"/>	J-124	8.25	2,892.00	3,041.94	64.97
31	<input type="checkbox"/>	J-125	8.25	2,892.00	3,041.94	64.97
32	<input type="checkbox"/>	J-1254	7.10	3,000.00	3,165.47	71.70
33	<input type="checkbox"/>	J-1268	7.10	3,200.00	3,300.58	43.58
34	<input type="checkbox"/>	J-1269	7.10	3,200.00	3,300.99	43.76
35	<input type="checkbox"/>	J-126FH	8.25	2,901.00	3,042.41	61.27
36	<input type="checkbox"/>	J-127	8.25	2,901.00	3,042.49	61.31
37	<input type="checkbox"/>	J-1273	8.25	2,823.00	3,149.17	141.33
38	<input type="checkbox"/>	J-128FH	8.25	2,935.00	3,046.38	48.26
39	<input type="checkbox"/>	J-129	8.25	2,899.00	3,041.81	61.88
40	<input type="checkbox"/>	J-13	8.25	2,751.00	2,978.68	98.65
41	<input type="checkbox"/>	J-130	8.25	2,932.00	3,046.35	49.55
42	<input type="checkbox"/>	J-131FH	8.25	2,901.00	3,041.30	60.79
43	<input type="checkbox"/>	J-132FH	8.25	2,925.00	3,046.16	52.50
44	<input type="checkbox"/>	J-133FH	8.25	2,903.00	3,040.86	59.73
45	<input type="checkbox"/>	J-134FH	8.25	2,927.00	3,046.16	51.63
46	<input type="checkbox"/>	J-135	8.25	2,905.00	3,040.39	58.67
47	<input type="checkbox"/>	J-136FH	8.25	2,910.00	3,039.75	56.22
48	<input type="checkbox"/>	J-137	8.25	2,901.00	3,039.68	60.09
49	<input type="checkbox"/>	J-138FH	8.25	2,902.00	3,039.68	59.66
50	<input type="checkbox"/>	J-139FH	8.25	2,877.00	3,039.58	70.45

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
51	<input type="checkbox"/>	J-140	8.25	2,885.00	3,037.67	66.15
52	<input type="checkbox"/>	J-141FH	8.25	2,900.00	3,037.67	59.65
53	<input type="checkbox"/>	J-142	8.25	2,885.00	3,037.52	66.09
54	<input type="checkbox"/>	J-143FH	8.25	2,890.00	3,037.06	63.72
55	<input type="checkbox"/>	J-144FH	8.25	2,897.00	3,034.57	59.61
56	<input type="checkbox"/>	J-145FH	8.25	2,889.00	3,033.55	62.63
57	<input type="checkbox"/>	J-146	8.25	2,888.00	3,034.45	63.46
58	<input type="checkbox"/>	J-147FH	8.25	2,891.00	3,033.46	61.73
59	<input type="checkbox"/>	J-148	8.25	2,908.00	3,038.10	56.37
60	<input type="checkbox"/>	J-149FH	8.25	2,905.00	3,034.98	56.32
61	<input type="checkbox"/>	J-14FH	8.25	2,750.00	2,931.23	78.53
62	<input type="checkbox"/>	J-150	8.25	2,909.00	3,035.49	54.81
63	<input type="checkbox"/>	J-151FH	8.25	2,893.00	3,034.90	61.48
64	<input type="checkbox"/>	J-152	8.25	2,874.00	3,001.37	55.19
65	<input type="checkbox"/>	J-153FH	8.25	2,892.50	3,034.24	61.42
66	<input type="checkbox"/>	J-154	8.25	2,892.00	3,034.24	61.63
67	<input type="checkbox"/>	J-155	8.25	2,894.00	3,034.81	61.01
68	<input type="checkbox"/>	J-156FH	8.25	2,894.00	3,034.88	61.04
69	<input type="checkbox"/>	J-157	8.25	2,870.00	3,034.89	71.45
70	<input type="checkbox"/>	J-158FH	8.25	2,900.00	3,035.24	58.60
71	<input type="checkbox"/>	J-159	8.25	2,896.00	3,035.24	60.33
72	<input type="checkbox"/>	J-15FH	8.25	2,753.00	2,931.23	77.23
73	<input type="checkbox"/>	J-160FH	8.25	2,903.50	3,035.55	57.22
74	<input type="checkbox"/>	J-161FH	8.25	2,897.00	3,035.53	60.02
75	<input type="checkbox"/>	J-162FH	8.25	2,880.00	3,035.00	67.16
76	<input type="checkbox"/>	J-163	8.25	2,885.00	3,035.39	65.17
77	<input type="checkbox"/>	J-164FH	8.25	2,910.00	3,036.41	54.77
78	<input type="checkbox"/>	J-165FH	8.25	2,915.00	3,036.84	52.79
79	<input type="checkbox"/>	J-166	8.25	2,915.00	3,037.76	53.19
80	<input type="checkbox"/>	J-167FH	8.25	2,909.00	3,038.82	56.25
81	<input type="checkbox"/>	J-168FH	8.25	2,917.00	3,039.45	53.06
82	<input type="checkbox"/>	J-169FH	8.25	2,921.00	3,046.15	54.23
83	<input type="checkbox"/>	J-16FH	8.25	2,640.00	2,930.68	125.95
84	<input type="checkbox"/>	J-170FH	8.25	2,917.00	3,044.14	55.09
85	<input type="checkbox"/>	J-171	8.25	2,916.00	3,038.09	52.90
86	<input type="checkbox"/>	J-172	8.25	2,909.00	3,038.82	56.25
87	<input type="checkbox"/>	J-173FH	8.25	2,920.00	3,038.12	51.18
88	<input type="checkbox"/>	J-174	8.25	2,921.00	3,037.81	50.61
89	<input type="checkbox"/>	J-175FH	8.25	2,915.00	3,039.46	53.93
90	<input type="checkbox"/>	J-176	8.25	2,915.00	3,039.45	53.93
91	<input type="checkbox"/>	J-177FH	8.25	2,929.00	3,045.79	50.60
92	<input type="checkbox"/>	J-178	8.25	2,920.00	3,041.05	52.45
93	<input type="checkbox"/>	J-179	8.25	2,920.00	3,041.31	52.56
94	<input type="checkbox"/>	J-17FH	8.25	2,638.00	2,930.66	126.81
95	<input type="checkbox"/>	J-18	8.25	2,637.00	2,930.66	127.24
96	<input type="checkbox"/>	J-180	8.25	2,933.00	3,046.93	49.37
97	<input type="checkbox"/>	J-181	8.25	2,915.00	3,042.48	55.24
98	<input type="checkbox"/>	J-182	8.25	2,915.00	3,042.61	55.29
99	<input type="checkbox"/>	J-183FH	8.25	2,915.00	3,042.61	55.29
100	<input type="checkbox"/>	J-184FH	8.25	2,915.00	3,041.69	54.89

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
101	<input type="checkbox"/>	J-185	8.25	2,920.00	3,043.23	53.40
102	<input type="checkbox"/>	J-186FH	8.25	2,910.00	3,043.58	57.88
103	<input type="checkbox"/>	J-187	8.25	2,915.00	3,041.13	54.65
104	<input type="checkbox"/>	J-188	8.25	2,909.00	3,045.14	58.99
105	<input type="checkbox"/>	J-189FH	8.25	2,915.00	3,051.58	59.18
106	<input type="checkbox"/>	J-191	8.25	2,915.00	3,041.02	54.60
107	<input type="checkbox"/>	J-192	8.25	2,910.00	3,040.96	56.74
108	<input type="checkbox"/>	J-193FH	8.25	2,917.00	3,041.02	53.74
109	<input type="checkbox"/>	J-194	8.25	2,917.00	3,036.55	51.80
110	<input type="checkbox"/>	J-195	8.25	2,916.50	3,036.55	52.02
111	<input type="checkbox"/>	J-196	8.25	2,909.00	3,036.39	55.20
112	<input type="checkbox"/>	J-197	8.25	2,908.00	3,036.39	55.63
113	<input type="checkbox"/>	J-198FH	8.25	2,900.00	3,036.30	59.06
114	<input type="checkbox"/>	J-199	8.25	2,902.00	3,036.57	58.31
115	<input type="checkbox"/>	J-19FH	8.25	2,636.00	2,930.66	127.67
116	<input type="checkbox"/>	J-1FH	8.25	2,720.00	2,930.45	91.19
117	<input type="checkbox"/>	J-2	8.25	2,720.00	2,930.45	91.19
118	<input type="checkbox"/>	J-200	8.25	2,895.00	3,035.74	60.98
119	<input type="checkbox"/>	J-201	8.25	2,890.00	3,035.67	63.12
120	<input type="checkbox"/>	J-202	8.25	2,892.00	3,035.67	62.25
121	<input type="checkbox"/>	J-203	8.25	2,883.00	3,035.65	66.14
122	<input type="checkbox"/>	J-204FH	8.25	2,880.00	3,035.39	67.33
123	<input type="checkbox"/>	J-205	8.25	2,885.00	3,036.00	65.43
124	<input type="checkbox"/>	J-206	8.25	2,890.00	3,036.25	63.37
125	<input type="checkbox"/>	J-207	8.25	2,883.00	3,035.97	66.28
126	<input type="checkbox"/>	J-208	8.25	2,939.00	3,047.79	47.14
127	<input type="checkbox"/>	J-209	8.25	2,825.00	2,991.89	72.31
128	<input type="checkbox"/>	J-20FH	8.25	2,745.00	2,931.35	80.75
129	<input type="checkbox"/>	J-21	8.25	2,745.00	2,931.02	80.60
130	<input type="checkbox"/>	J-210	8.25	2,937.00	3,046.26	47.34
131	<input type="checkbox"/>	J-211FH	8.25	2,830.00	2,991.89	70.15
132	<input type="checkbox"/>	J-212FH	8.25	2,824.00	2,991.89	72.75
133	<input type="checkbox"/>	J-213	8.25	2,825.00	2,998.90	75.35
134	<input type="checkbox"/>	J-214FH	8.25	2,835.00	2,998.90	71.02
135	<input type="checkbox"/>	J-215FH	8.25	2,825.00	2,998.90	75.35
136	<input type="checkbox"/>	J-216	8.25	2,830.00	3,006.87	76.64
137	<input type="checkbox"/>	J-217	8.25	2,830.00	3,011.54	78.66
138	<input type="checkbox"/>	J-218FH	8.25	2,838.00	3,006.86	73.17
139	<input type="checkbox"/>	J-219	8.25	2,830.00	3,006.86	76.63
140	<input type="checkbox"/>	J-22	8.25	2,920.00	3,045.49	54.37
141	<input type="checkbox"/>	J-220	8.25	2,924.00	3,049.66	54.45
142	<input type="checkbox"/>	J-221FH	8.25	2,748.00	2,931.26	79.41
143	<input type="checkbox"/>	J-222FH	8.25	2,732.00	2,931.60	86.49
144	<input type="checkbox"/>	J-223	8.25	2,720.00	2,931.21	91.52
145	<input type="checkbox"/>	J-224	8.25	2,750.00	2,931.41	78.60
146	<input type="checkbox"/>	J-225FH	8.25	2,752.00	2,931.23	77.66
147	<input type="checkbox"/>	J-226	8.25	2,740.00	2,931.15	82.82
148	<input type="checkbox"/>	J-227FH	8.25	2,845.00	2,986.81	61.44
149	<input type="checkbox"/>	J-228	8.25	2,755.00	2,931.23	76.36
150	<input type="checkbox"/>	J-229FH	8.25	2,753.00	2,931.05	77.15

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
151	<input type="checkbox"/>	J-23	8.25	2,751.00	2,981.08	99.69
152	<input type="checkbox"/>	J-230	8.25	2,755.00	2,931.04	76.28
153	<input type="checkbox"/>	J-231	8.25	2,750.00	2,931.00	78.43
154	<input type="checkbox"/>	J-232FH	8.25	2,755.00	2,930.92	76.22
155	<input type="checkbox"/>	J-233	8.25	2,750.00	2,930.94	78.40
156	<input type="checkbox"/>	J-234	8.25	2,770.00	2,930.89	69.72
157	<input type="checkbox"/>	J-235FH	8.25	2,765.00	2,930.80	71.84
158	<input type="checkbox"/>	J-236	8.25	2,768.00	2,930.79	70.54
159	<input type="checkbox"/>	J-237	8.25	2,765.00	2,930.78	71.83
160	<input type="checkbox"/>	J-238	8.25	2,778.00	2,930.72	66.17
161	<input type="checkbox"/>	J-24	8.25	2,800.00	2,982.78	79.20
162	<input type="checkbox"/>	J-240	8.25	2,778.00	2,930.71	66.17
163	<input type="checkbox"/>	J-241	8.25	2,780.00	2,930.28	65.11
164	<input type="checkbox"/>	J-242	8.25	2,760.00	2,930.56	73.91
165	<input type="checkbox"/>	J-243	8.25	2,924.00	3,047.15	53.36
166	<input type="checkbox"/>	J-244	8.25	2,770.00	2,930.56	69.57
167	<input type="checkbox"/>	J-245	8.25	2,770.00	2,930.56	69.57
168	<input type="checkbox"/>	J-246	8.25	2,878.00	3,001.36	53.45
169	<input type="checkbox"/>	J-247FH	8.25	2,857.50	2,994.38	59.31
170	<input type="checkbox"/>	J-248	8.25	2,920.00	3,055.47	58.70
171	<input type="checkbox"/>	J-249	8.25	2,920.00	3,056.40	59.10
172	<input type="checkbox"/>	J-250FH	8.25	2,750.00	2,930.94	78.40
173	<input type="checkbox"/>	J-251	8.25	2,750.00	2,930.95	78.41
174	<input type="checkbox"/>	J-252	8.25	2,750.00	2,930.96	78.41
175	<input type="checkbox"/>	J-253	8.25	2,745.00	2,930.95	80.57
176	<input type="checkbox"/>	J-254	8.25	2,735.00	2,930.77	84.83
177	<input type="checkbox"/>	J-255FH	8.25	2,728.00	2,930.72	87.84
178	<input type="checkbox"/>	J-256	8.25	2,728.00	2,930.71	87.83
179	<input type="checkbox"/>	J-257	8.25	2,725.00	2,930.46	89.02
180	<input type="checkbox"/>	J-258FH	8.25	2,735.00	2,930.39	84.66
181	<input type="checkbox"/>	J-259	8.25	2,735.00	2,930.31	84.63
182	<input type="checkbox"/>	J-25FH	8.25	2,758.00	2,982.11	97.11
183	<input type="checkbox"/>	J-26	8.25	2,760.00	2,982.11	96.24
184	<input type="checkbox"/>	J-260FH	8.25	2,735.00	2,930.28	84.62
185	<input type="checkbox"/>	J-261	8.25	2,735.00	2,930.28	84.61
186	<input type="checkbox"/>	J-262	8.25	2,735.00	2,930.27	84.61
187	<input type="checkbox"/>	J-263	8.25	2,720.00	2,930.24	91.10
188	<input type="checkbox"/>	J-264	8.25	2,710.00	2,930.18	95.40
189	<input type="checkbox"/>	J-265	8.25	2,700.00	2,929.92	99.63
190	<input type="checkbox"/>	J-266FH	8.25	2,700.00	2,929.92	99.63
191	<input type="checkbox"/>	J-267FH	8.25	2,751.00	2,934.42	79.48
192	<input type="checkbox"/>	J-268	8.25	2,700.00	2,930.02	99.67
193	<input type="checkbox"/>	J-269FH	8.25	2,700.00	2,930.02	99.67
194	<input type="checkbox"/>	J-27	8.25	2,770.00	2,982.78	92.20
195	<input type="checkbox"/>	J-270FH	8.25	2,700.00	2,930.18	99.74
196	<input type="checkbox"/>	J-271FH	8.25	2,735.00	2,930.29	84.62
197	<input type="checkbox"/>	J-272	8.25	2,824.00	2,989.28	71.62
198	<input type="checkbox"/>	J-273FH	8.25	2,705.00	2,930.37	97.65
199	<input type="checkbox"/>	J-274FH	8.25	2,705.00	2,930.38	97.66
200	<input type="checkbox"/>	J-275FH	8.25	2,785.00	2,980.85	84.86

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
201	<input type="checkbox"/>	J-277	8.25	2,920.00	3,051.58	57.02
202	<input type="checkbox"/>	J-278FH	8.25	2,740.00	2,931.92	83.16
203	<input type="checkbox"/>	J-279FH	8.25	2,730.00	2,931.41	87.27
204	<input type="checkbox"/>	J-28	8.25	2,807.00	2,984.49	76.91
205	<input type="checkbox"/>	J-280FH	8.25	2,741.00	2,931.00	82.33
206	<input type="checkbox"/>	J-281FH	8.25	2,703.00	2,930.38	98.53
207	<input type="checkbox"/>	J-282	8.25	2,720.00	2,930.45	91.19
208	<input type="checkbox"/>	J-283FH	8.25	2,715.00	2,930.48	93.37
209	<input type="checkbox"/>	J-284FH	8.25	2,720.00	2,930.66	91.28
210	<input type="checkbox"/>	J-285	8.25	2,720.00	2,930.48	91.20
211	<input type="checkbox"/>	J-286	8.25	2,720.00	2,930.67	91.28
212	<input type="checkbox"/>	J-287	8.25	2,720.00	2,930.79	91.33
213	<input type="checkbox"/>	J-288FH	8.25	2,720.00	2,930.46	91.19
214	<input type="checkbox"/>	J-289	8.25	2,720.00	2,930.49	91.21
215	<input type="checkbox"/>	J-290	8.25	2,720.00	2,930.49	91.21
216	<input type="checkbox"/>	J-291FH	8.25	2,921.00	3,043.81	53.21
217	<input type="checkbox"/>	J-292FH	8.25	2,705.00	2,930.42	97.67
218	<input type="checkbox"/>	J-293FH	8.25	2,755.00	2,979.81	97.41
219	<input type="checkbox"/>	J-294	8.25	2,913.00	3,045.00	57.19
220	<input type="checkbox"/>	J-295	8.25	2,946.00	3,098.20	65.95
221	<input type="checkbox"/>	J-296	7.10	2,990.00	3,109.24	51.67
222	<input type="checkbox"/>	J-297FH	8.25	2,705.00	2,930.40	97.67
223	<input type="checkbox"/>	J-298	8.25	2,760.00	2,930.63	73.93
224	<input type="checkbox"/>	J-299	8.25	2,770.00	2,930.56	69.57
225	<input type="checkbox"/>	J-29FH	8.25	2,815.00	2,985.03	73.67
226	<input type="checkbox"/>	J-3	8.25	2,730.00	2,930.58	86.91
227	<input type="checkbox"/>	J-300	8.25	2,915.00	3,051.58	59.18
228	<input type="checkbox"/>	J-301FH	8.25	2,800.00	3,066.09	115.30
229	<input type="checkbox"/>	J-302FH	8.25	2,705.00	2,930.40	97.67
230	<input type="checkbox"/>	J-303FH	8.25	2,730.00	2,930.46	86.86
231	<input type="checkbox"/>	J-304	7.10	3,000.00	3,149.64	64.84
232	<input type="checkbox"/>	J-305FH	8.25	2,877.50	2,996.23	51.44
233	<input type="checkbox"/>	J-306	8.25	2,877.50	3,030.10	66.12
234	<input type="checkbox"/>	J-307FH	8.25	2,740.00	2,930.48	82.53
235	<input type="checkbox"/>	J-308	7.10	3,042.00	3,086.44	19.25
236	<input type="checkbox"/>	J-309	8.25	2,760.00	2,930.57	73.91
237	<input type="checkbox"/>	J-30FH	8.25	2,816.00	2,985.59	73.48
238	<input type="checkbox"/>	J-31	8.25	2,815.00	2,985.80	74.01
239	<input type="checkbox"/>	J-310	8.25	2,930.00	3,047.22	50.79
240	<input type="checkbox"/>	J-311	89.12	2,925.00	3,045.49	52.21
241	<input type="checkbox"/>	J-312	8.25	2,870.00	3,043.90	75.35
242	<input type="checkbox"/>	J-313	8.25	2,800.00	2,987.87	81.40
243	<input type="checkbox"/>	J-314	8.25	2,780.00	2,985.79	89.17
244	<input type="checkbox"/>	J-315FH	8.25	2,930.00	3,046.17	50.34
245	<input type="checkbox"/>	J-316	8.25	2,843.00	2,986.81	62.31
246	<input type="checkbox"/>	J-317FH	8.25	2,902.00	3,036.61	58.33
247	<input type="checkbox"/>	J-318FH	8.25	2,922.00	3,055.27	57.75
248	<input type="checkbox"/>	J-319FH	8.25	2,924.00	3,052.59	55.72
249	<input type="checkbox"/>	J-32	8.25	2,800.00	2,985.79	80.50
250	<input type="checkbox"/>	J-320	8.25	2,922.00	3,051.99	56.32

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
251	<input type="checkbox"/>	J-321FH	8.25	2,924.00	3,050.31	54.73
252	<input type="checkbox"/>	J-322FH	8.25	2,936.00	3,047.96	48.51
253	<input type="checkbox"/>	J-323FH	8.25	2,930.00	3,048.75	51.46
254	<input type="checkbox"/>	J-324FH	8.25	2,926.00	3,049.76	53.62
255	<input type="checkbox"/>	J-325FH	8.25	2,924.00	3,050.71	54.90
256	<input type="checkbox"/>	J-326FH	8.25	2,928.00	3,049.89	52.82
257	<input type="checkbox"/>	J-327FH	8.25	2,928.00	3,049.16	52.50
258	<input type="checkbox"/>	J-328FH	8.25	2,933.00	3,048.56	50.07
259	<input type="checkbox"/>	J-329FH	8.25	2,934.00	3,048.53	49.63
260	<input type="checkbox"/>	J-330	8.25	2,934.00	3,048.62	49.66
261	<input type="checkbox"/>	J-331	8.25	2,923.00	3,050.31	55.16
262	<input type="checkbox"/>	J-333	8.25	2,885.00	3,035.98	65.42
263	<input type="checkbox"/>	J-334	8.25	2,885.00	3,035.98	65.42
264	<input type="checkbox"/>	J-335	8.25	2,745.00	2,931.37	80.76
265	<input type="checkbox"/>	J-336	8.25	2,745.00	2,931.37	80.76
266	<input type="checkbox"/>	J-33FH	8.25	2,820.00	2,986.78	72.26
267	<input type="checkbox"/>	J-34	8.25	2,830.00	2,987.04	68.05
268	<input type="checkbox"/>	J-35	8.25	2,827.00	2,986.25	69.00
269	<input type="checkbox"/>	J-36	8.25	2,820.00	2,986.23	72.03
270	<input type="checkbox"/>	J-37	8.25	2,825.00	2,985.76	69.66
271	<input type="checkbox"/>	J-38FH	8.25	2,821.00	2,985.25	71.17
272	<input type="checkbox"/>	J-39FH	8.25	2,836.00	2,986.32	65.13
273	<input type="checkbox"/>	J-4	8.25	2,729.00	2,930.58	87.35
274	<input type="checkbox"/>	J-40	8.25	2,839.00	2,986.30	63.83
275	<input type="checkbox"/>	J-41	8.25	2,837.00	2,986.38	64.73
276	<input type="checkbox"/>	J-42	8.25	2,835.00	2,986.17	65.50
277	<input type="checkbox"/>	J-43	8.25	2,833.00	2,985.72	66.17
278	<input type="checkbox"/>	J-44FH	8.25	2,805.00	2,984.57	77.81
279	<input type="checkbox"/>	J-45	8.25	2,805.00	2,984.84	77.93
280	<input type="checkbox"/>	J-46	8.25	2,780.00	2,984.56	88.64
281	<input type="checkbox"/>	J-47	8.25	2,760.00	2,984.56	97.30
282	<input type="checkbox"/>	J-48	8.25	2,780.00	2,984.56	88.64
283	<input type="checkbox"/>	J-49	8.25	2,801.00	2,985.27	79.84
284	<input type="checkbox"/>	J-5	8.25	2,751.00	2,930.77	77.89
285	<input type="checkbox"/>	J-50	8.25	2,803.00	2,984.84	78.79
286	<input type="checkbox"/>	J-51	8.25	2,800.00	2,985.27	80.28
287	<input type="checkbox"/>	J-52	8.25	2,839.00	2,987.75	64.45
288	<input type="checkbox"/>	J-53	8.25	2,842.00	2,987.83	63.19
289	<input type="checkbox"/>	J-54	8.25	2,920.00	3,042.71	53.17
290	<input type="checkbox"/>	J-55	8.25	2,842.00	2,987.74	63.15
291	<input type="checkbox"/>	J-56	8.25	2,847.00	2,988.80	61.44
292	<input type="checkbox"/>	J-57	8.25	2,850.00	2,988.80	60.14
293	<input type="checkbox"/>	J-58	8.25	2,837.00	2,986.80	64.91
294	<input type="checkbox"/>	J-59	8.25	2,860.00	3,066.09	89.30
295	<input type="checkbox"/>	J-6	8.25	2,757.00	2,931.05	75.42
296	<input type="checkbox"/>	J-61	8.25	2,847.00	2,986.80	60.57
297	<input type="checkbox"/>	J-63FH	8.25	2,839.00	2,986.80	64.04
298	<input type="checkbox"/>	J-64	8.25	2,839.00	2,986.80	64.04
299	<input type="checkbox"/>	J-65	8.25	2,851.50	2,989.76	59.91
300	<input type="checkbox"/>	J-66FH	8.25	2,847.00	2,989.64	61.80

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
301	<input type="checkbox"/>	J-67	8.25	2,842.00	2,987.98	63.25
302	<input type="checkbox"/>	J-68FH	8.25	2,839.00	2,986.87	64.07
303	<input type="checkbox"/>	J-69FH	8.25	2,839.00	2,986.65	63.98
304	<input type="checkbox"/>	J-7	8.25	2,754.00	2,930.74	76.58
305	<input type="checkbox"/>	J-70	8.25	2,837.00	2,985.87	64.51
306	<input type="checkbox"/>	J-71	8.25	2,839.50	2,986.89	63.86
307	<input type="checkbox"/>	J-73FH	8.25	2,830.00	2,984.38	66.89
308	<input type="checkbox"/>	J-74	8.25	2,843.00	2,987.52	62.62
309	<input type="checkbox"/>	J-75	8.25	2,845.00	2,987.66	61.81
310	<input type="checkbox"/>	J-76	8.25	2,849.00	2,988.02	60.24
311	<input type="checkbox"/>	J-77FH	8.25	2,914.00	3,044.43	56.52
312	<input type="checkbox"/>	J-78	8.25	2,940.00	3,047.22	46.46
313	<input type="checkbox"/>	J-79	8.25	2,842.00	2,985.55	62.20
314	<input type="checkbox"/>	J-80FH	8.25	2,940.00	3,046.69	46.23
315	<input type="checkbox"/>	J-81FH	8.25	2,841.00	2,986.23	62.93
316	<input type="checkbox"/>	J-82	8.25	2,921.00	3,046.16	54.23
317	<input type="checkbox"/>	J-83	8.25	2,760.00	2,931.41	74.27
318	<input type="checkbox"/>	J-84	8.25	2,760.00	2,977.52	94.25
319	<input type="checkbox"/>	J-85FH	8.25	2,849.50	2,990.75	61.21
320	<input type="checkbox"/>	J-86	8.25	2,851.50	2,990.75	60.34
321	<input type="checkbox"/>	J-87	8.25	2,852.00	2,991.94	60.64
322	<input type="checkbox"/>	J-88	8.25	2,854.00	2,992.93	60.20
323	<input type="checkbox"/>	J-89	8.25	2,857.00	2,991.28	58.18
324	<input type="checkbox"/>	J-8FH	8.25	2,752.00	2,930.74	77.45
325	<input type="checkbox"/>	J-9	8.25	2,757.00	2,931.23	75.49
326	<input type="checkbox"/>	J-90	8.25	2,857.00	2,991.28	58.18
327	<input type="checkbox"/>	J-91	8.25	2,857.00	2,991.98	58.49
328	<input type="checkbox"/>	J-92	8.25	2,861.00	2,994.13	57.69
329	<input type="checkbox"/>	J-93FH	8.25	2,858.00	2,992.93	58.47
330	<input type="checkbox"/>	J-94	8.25	2,857.00	2,994.16	59.43
331	<input type="checkbox"/>	J-95	8.25	2,863.50	2,995.18	57.06
332	<input type="checkbox"/>	J-956	7.10	2,847.00	3,021.96	75.81
333	<input type="checkbox"/>	J-958	7.10	2,856.00	3,024.47	73.00
334	<input type="checkbox"/>	J-96	8.25	2,863.00	2,995.18	57.27
335	<input type="checkbox"/>	J-97FH	8.25	2,936.00	3,046.45	47.86
336	<input type="checkbox"/>	J-98	8.25	2,866.75	2,995.55	55.81
337	<input type="checkbox"/>	J-99	8.25	2,866.50	2,995.55	55.92
338	<input type="checkbox"/>	J1000	7.10	2,903.00	3,044.67	61.39
339	<input type="checkbox"/>	J1002	7.10	2,892.00	3,044.51	66.08
340	<input type="checkbox"/>	J1004	7.10	2,939.00	3,044.75	45.82
341	<input type="checkbox"/>	J1006	7.10	2,937.00	3,044.75	46.69
342	<input type="checkbox"/>	J1008	7.10	2,940.00	3,044.75	45.39
343	<input type="checkbox"/>	J100FH	8.25	2,933.00	3,051.33	51.27
344	<input type="checkbox"/>	J1010	7.10	2,941.00	3,044.75	44.95
345	<input type="checkbox"/>	J1012	7.10	2,941.00	3,044.75	44.95
346	<input type="checkbox"/>	J1014	7.10	2,942.00	3,044.75	44.52
347	<input type="checkbox"/>	J1016	7.10	2,943.00	3,044.76	44.09
348	<input type="checkbox"/>	J1018	7.10	2,940.00	3,044.75	45.39
349	<input type="checkbox"/>	J1020	7.10	2,944.00	3,043.58	43.15
350	<input type="checkbox"/>	J1022	7.10	2,947.00	3,043.59	41.85

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
351	<input type="checkbox"/>	J1024	7.10	2,941.00	3,043.58	44.45
352	<input type="checkbox"/>	J1026	7.10	2,953.00	3,075.75	53.19
353	<input type="checkbox"/>	J1028	7.10	2,868.00	3,075.75	90.02
354	<input type="checkbox"/>	J102FH	8.25	2,936.00	3,046.89	48.05
355	<input type="checkbox"/>	J1030	7.10	2,890.00	3,075.75	80.48
356	<input type="checkbox"/>	J1032	7.10	2,873.00	3,075.75	87.85
357	<input type="checkbox"/>	J1034	7.10	2,915.00	3,075.75	69.65
358	<input type="checkbox"/>	J1036	7.10	2,761.00	2,932.26	74.21
359	<input type="checkbox"/>	J1038	7.10	2,764.00	2,932.36	72.95
360	<input type="checkbox"/>	J1040	7.10	2,764.00	2,932.28	72.92
361	<input type="checkbox"/>	J1042	7.10	2,766.00	2,932.33	72.07
362	<input type="checkbox"/>	J1044	7.10	2,768.00	2,932.31	71.19
363	<input type="checkbox"/>	J1048	7.10	3,000.00	3,150.49	65.21
364	<input type="checkbox"/>	J104FH	8.25	2,929.00	3,044.99	50.26
365	<input type="checkbox"/>	J1050	7.10	2,861.00	3,104.18	105.37
366	<input type="checkbox"/>	J1054	0.00	2,940.00	3,089.20	64.65
367	<input type="checkbox"/>	J1056	0.00	2,929.50	3,044.82	49.97
368	<input type="checkbox"/>	J1062	0.00	3,000.00	3,109.24	47.33
369	<input type="checkbox"/>	J1068	0.00	3,138.90	3,165.89	11.69
370	<input type="checkbox"/>	J106FH	8.25	2,923.00	3,044.60	52.69
371	<input type="checkbox"/>	J108FH	8.25	2,921.00	3,044.83	53.65
372	<input type="checkbox"/>	J10FH	8.25	2,845.00	3,017.77	74.86
373	<input type="checkbox"/>	J110FH	8.25	2,914.00	3,044.30	56.46
374	<input type="checkbox"/>	J112FH	8.25	2,934.00	3,048.12	49.45
375	<input type="checkbox"/>	J114FH	8.25	2,932.00	3,046.97	49.82
376	<input type="checkbox"/>	J116FH	8.25	2,925.00	3,044.77	51.90
377	<input type="checkbox"/>	J118FH	8.25	2,929.00	3,049.32	52.13
378	<input type="checkbox"/>	J12	8.25	2,845.00	3,017.94	74.94
379	<input type="checkbox"/>	J120FH	8.25	2,930.00	3,047.11	50.74
380	<input type="checkbox"/>	J122FH	8.25	2,930.00	3,045.54	50.07
381	<input type="checkbox"/>	J124FH	8.25	2,922.00	3,043.98	52.86
382	<input type="checkbox"/>	J126FH	65.58	2,899.00	3,044.13	62.89
383	<input type="checkbox"/>	J128FH	8.25	2,902.00	3,042.48	60.87
384	<input type="checkbox"/>	J130FH	65.58	2,881.00	3,043.96	70.61
385	<input type="checkbox"/>	J132FH	8.25	2,887.00	3,042.62	67.43
386	<input type="checkbox"/>	J134FH	8.25	2,894.00	3,042.12	64.18
387	<input type="checkbox"/>	J136FH	8.25	2,898.00	3,041.81	62.31
388	<input type="checkbox"/>	J138FH	8.25	2,924.00	3,042.04	51.15
389	<input type="checkbox"/>	J140FH	8.25	2,920.00	3,040.91	52.39
390	<input type="checkbox"/>	J142FH	8.25	2,923.00	3,040.92	51.10
391	<input type="checkbox"/>	J144FH	8.25	2,808.00	3,066.09	111.83
392	<input type="checkbox"/>	J146FH	8.25	2,810.00	3,066.09	110.96
393	<input type="checkbox"/>	J148FH	8.25	2,816.00	3,066.09	108.37
394	<input type="checkbox"/>	J14FH	8.25	2,845.00	3,017.47	74.73
395	<input type="checkbox"/>	J150FH	8.25	2,868.00	3,066.10	85.83
396	<input type="checkbox"/>	J152FH	8.25	2,932.00	3,040.88	47.18
397	<input type="checkbox"/>	J154FH	8.25	2,929.00	3,043.96	49.81
398	<input type="checkbox"/>	J156FH	8.25	2,929.00	3,042.96	49.38
399	<input type="checkbox"/>	J158FH	8.25	2,928.00	3,042.87	49.77
400	<input type="checkbox"/>	J16	8.25	2,849.00	3,017.45	72.99



Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
401	<input type="checkbox"/>	J160FH	8.25	2,912.00	3,036.50	53.95
402	<input type="checkbox"/>	J162FH	8.25	2,918.00	3,038.44	52.19
403	<input type="checkbox"/>	J164FH	8.25	2,911.00	3,037.63	54.87
404	<input type="checkbox"/>	J166FH	8.25	2,911.00	3,040.31	56.03
405	<input type="checkbox"/>	J168FH	8.25	2,905.00	3,040.79	58.84
406	<input type="checkbox"/>	J170FH	8.25	2,882.00	3,041.12	68.95
407	<input type="checkbox"/>	J172FH	8.25	2,884.00	3,040.21	67.69
408	<input type="checkbox"/>	J174FH	8.25	2,877.00	3,039.09	70.24
409	<input type="checkbox"/>	J176FH	8.25	2,881.00	3,038.35	68.18
410	<input type="checkbox"/>	J178FH	8.25	2,888.00	3,037.49	64.77
411	<input type="checkbox"/>	J180FH	8.25	2,880.00	3,036.79	67.94
412	<input type="checkbox"/>	J182FH	8.25	2,863.00	3,036.59	75.22
413	<input type="checkbox"/>	J184FH	8.25	2,863.00	3,031.69	73.09
414	<input type="checkbox"/>	J186	8.25	2,788.00	2,930.56	61.77
415	<input type="checkbox"/>	J188FH	8.25	2,775.00	2,930.56	67.40
416	<input type="checkbox"/>	J18FH	8.25	2,844.00	3,017.45	75.16
417	<input type="checkbox"/>	J190FH	8.25	2,893.00	3,035.97	61.95
418	<input type="checkbox"/>	J192FH	8.25	2,766.00	2,930.56	71.31
419	<input type="checkbox"/>	J194FH	8.25	2,780.00	2,930.57	65.24
420	<input type="checkbox"/>	J196FH	8.25	2,763.00	2,930.59	72.62
421	<input type="checkbox"/>	J198FH	8.25	2,776.00	2,930.59	66.98
422	<input type="checkbox"/>	J200FH	8.25	2,783.00	2,930.70	64.00
423	<input type="checkbox"/>	J202FH	8.25	2,760.00	2,930.78	74.00
424	<input type="checkbox"/>	J204FH	8.25	2,777.00	2,930.90	66.68
425	<input type="checkbox"/>	J206FH	8.25	2,889.00	3,036.30	63.82
426	<input type="checkbox"/>	J208FH	8.25	2,879.00	3,035.75	67.92
427	<input type="checkbox"/>	J20FH	8.25	2,850.00	3,017.45	72.56
428	<input type="checkbox"/>	J210FH	8.25	2,892.00	3,035.69	62.26
429	<input type="checkbox"/>	J212FH	8.25	2,881.00	3,035.21	66.82
430	<input type="checkbox"/>	J214FH	8.25	2,738.00	2,930.95	83.61
431	<input type="checkbox"/>	J216FH	8.25	2,743.00	2,931.17	81.53
432	<input type="checkbox"/>	J218FH	8.25	2,722.00	2,931.21	90.65
433	<input type="checkbox"/>	J22	8.25	2,852.00	3,017.45	71.69
434	<input type="checkbox"/>	J220FH	8.25	2,725.00	2,931.22	89.35
435	<input type="checkbox"/>	J222FH	8.25	2,732.00	2,931.23	86.33
436	<input type="checkbox"/>	J224	8.25	2,730.00	2,931.22	87.19
437	<input type="checkbox"/>	J226FH	8.25	2,736.00	2,931.22	84.59
438	<input type="checkbox"/>	J228FH	8.25	2,738.00	2,931.16	83.70
439	<input type="checkbox"/>	J230FH	8.25	2,747.00	2,931.50	79.95
440	<input type="checkbox"/>	J232FH	8.25	2,723.00	2,930.71	90.00
441	<input type="checkbox"/>	J234FH	8.25	2,728.00	2,930.71	87.83
442	<input type="checkbox"/>	J236FH	8.25	2,738.00	2,931.06	83.65
443	<input type="checkbox"/>	J238FH	8.25	2,745.00	2,931.41	80.77
444	<input type="checkbox"/>	J240FH	8.25	2,720.00	2,930.69	91.29
445	<input type="checkbox"/>	J242FH	8.25	2,742.00	2,931.25	82.00
446	<input type="checkbox"/>	J244FH	8.25	2,755.00	2,979.25	97.17
447	<input type="checkbox"/>	J246FH	8.25	2,835.00	3,006.86	74.47
448	<input type="checkbox"/>	J248FH	8.25	2,740.00	2,930.75	82.65
449	<input type="checkbox"/>	J24FH	8.25	2,842.00	3,017.45	76.02
450	<input type="checkbox"/>	J250FH	8.25	2,749.00	2,931.33	79.00

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
451	<input type="checkbox"/>	J252FH	8.25	2,743.00	2,931.29	81.58
452	<input type="checkbox"/>	J254FH	8.25	2,743.00	2,931.28	81.58
453	<input type="checkbox"/>	J256FH	8.25	2,804.00	2,984.98	78.42
454	<input type="checkbox"/>	J258FH	8.25	2,778.00	2,984.56	89.50
455	<input type="checkbox"/>	J260FH	8.25	2,797.00	2,983.76	80.92
456	<input type="checkbox"/>	J262FH	8.25	2,796.00	2,982.78	80.93
457	<input type="checkbox"/>	J264FH	8.25	2,799.00	2,982.35	79.45
458	<input type="checkbox"/>	J266FH	8.25	2,812.00	2,985.43	75.15
459	<input type="checkbox"/>	J268FH	8.25	2,810.00	2,985.02	75.84
460	<input type="checkbox"/>	J26FH	8.25	2,849.00	3,017.45	72.99
461	<input type="checkbox"/>	J270FH	8.25	2,807.00	2,984.09	76.73
462	<input type="checkbox"/>	J272FH	8.25	2,824.00	2,986.44	70.38
463	<input type="checkbox"/>	J274FH	8.25	2,804.00	2,986.37	79.02
464	<input type="checkbox"/>	J276FH	8.25	2,818.00	2,985.76	72.69
465	<input type="checkbox"/>	J278FH	8.25	2,824.00	2,986.34	70.34
466	<input type="checkbox"/>	J28	8.25	2,922.00	3,051.59	56.15
467	<input type="checkbox"/>	J280FH	8.25	2,819.00	2,985.90	72.32
468	<input type="checkbox"/>	J282FH	8.25	2,841.00	2,988.13	63.75
469	<input type="checkbox"/>	J284FH	8.25	2,843.00	2,989.05	63.28
470	<input type="checkbox"/>	J286FH	8.25	2,844.00	2,990.41	63.44
471	<input type="checkbox"/>	J288FH	8.25	2,849.00	2,991.96	61.95
472	<input type="checkbox"/>	J290FH	8.25	2,794.00	2,979.09	80.20
473	<input type="checkbox"/>	J292FH	8.25	2,856.00	2,990.32	58.20
474	<input type="checkbox"/>	J294FH	8.25	2,845.00	2,987.71	61.83
475	<input type="checkbox"/>	J296FH	8.25	2,843.00	2,987.92	62.79
476	<input type="checkbox"/>	J298FH	8.25	2,852.00	2,992.66	60.95
477	<input type="checkbox"/>	J300FH	8.25	2,875.00	3,007.80	57.54
478	<input type="checkbox"/>	J302FH	8.25	2,871.00	3,003.74	57.52
479	<input type="checkbox"/>	J304FH	8.25	2,872.00	3,001.36	56.05
480	<input type="checkbox"/>	J306FH	8.25	2,864.00	2,994.39	56.50
481	<input type="checkbox"/>	J308FH	8.25	2,858.00	2,994.14	58.99
482	<input type="checkbox"/>	J310FH	8.25	2,752.00	2,931.80	77.91
483	<input type="checkbox"/>	J312FH	8.25	2,739.00	2,930.58	83.01
484	<input type="checkbox"/>	J314FH	8.25	2,743.00	2,931.24	81.56
485	<input type="checkbox"/>	J316FH	8.25	2,734.00	2,930.99	85.35
486	<input type="checkbox"/>	J318FH	8.25	2,720.00	2,930.67	91.28
487	<input type="checkbox"/>	J320FH	8.25	2,716.00	2,930.58	92.98
488	<input type="checkbox"/>	J322FH	8.25	2,721.00	2,930.57	90.81
489	<input type="checkbox"/>	J324FH	8.25	2,727.00	2,930.60	88.22
490	<input type="checkbox"/>	J326FH	8.25	2,729.00	2,930.51	87.32
491	<input type="checkbox"/>	J328FH	8.25	2,736.00	2,930.34	84.21
492	<input type="checkbox"/>	J330FH	8.25	2,727.00	2,930.33	88.10
493	<input type="checkbox"/>	J332FH	8.25	2,736.00	2,930.37	84.22
494	<input type="checkbox"/>	J334FH	8.25	2,739.00	2,930.44	82.95
495	<input type="checkbox"/>	J336FH	8.25	2,733.00	2,930.88	85.74
496	<input type="checkbox"/>	J338FH	8.25	2,725.00	2,930.43	89.01
497	<input type="checkbox"/>	J340FH	8.25	2,739.00	2,930.88	83.14
498	<input type="checkbox"/>	J342FH	8.25	2,728.00	2,930.62	87.79
499	<input type="checkbox"/>	J344FH	8.25	2,736.00	2,930.88	84.44
500	<input type="checkbox"/>	J346FH	8.25	2,740.00	2,930.88	82.71

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
501	<input type="checkbox"/>	J348FH	8.25	2,746.00	2,931.08	80.19
502	<input type="checkbox"/>	J34FH	8.25	2,922.00	3,053.26	56.87
503	<input type="checkbox"/>	J350FH	8.25	2,746.00	2,931.09	80.20
504	<input type="checkbox"/>	J352FH	8.25	2,735.00	2,930.74	84.81
505	<input type="checkbox"/>	J354FH	8.25	2,749.00	2,931.23	78.96
506	<input type="checkbox"/>	J356FH	8.25	2,721.00	2,930.72	90.87
507	<input type="checkbox"/>	J358FH	8.25	2,733.00	2,930.75	85.69
508	<input type="checkbox"/>	J36	8.25	2,906.00	3,041.27	58.61
509	<input type="checkbox"/>	J360FH	8.25	2,705.00	2,929.97	97.48
510	<input type="checkbox"/>	J362FH	8.25	2,705.00	2,930.10	97.53
511	<input type="checkbox"/>	J364FH	8.25	2,718.00	2,930.28	91.98
512	<input type="checkbox"/>	J366FH	8.25	2,721.00	2,930.28	90.68
513	<input type="checkbox"/>	J368FH	8.25	2,717.00	2,930.26	92.40
514	<input type="checkbox"/>	J370FH	8.25	2,731.00	2,930.32	86.37
515	<input type="checkbox"/>	J372FH	8.25	2,731.00	2,930.34	86.38
516	<input type="checkbox"/>	J374FH	8.25	2,704.00	2,930.38	98.09
517	<input type="checkbox"/>	J376FH	8.25	2,705.00	2,930.41	97.67
518	<input type="checkbox"/>	J380FH	8.25	2,947.00	3,046.33	43.04
519	<input type="checkbox"/>	J382FH	8.25	2,948.00	3,046.33	42.61
520	<input type="checkbox"/>	J384FH	8.25	2,945.00	3,046.33	43.91
521	<input type="checkbox"/>	J388	8.25	2,946.00	3,046.33	43.47
522	<input type="checkbox"/>	J38FH	8.25	2,913.00	3,036.99	53.73
523	<input type="checkbox"/>	J392	8.25	2,952.00	3,046.33	40.87
524	<input type="checkbox"/>	J394	8.25	2,945.00	3,046.33	43.91
525	<input type="checkbox"/>	J396	8.25	2,942.00	3,046.33	45.21
526	<input type="checkbox"/>	J398FH	8.25	2,943.00	3,046.33	44.77
527	<input type="checkbox"/>	J40	8.25	2,916.00	3,037.51	52.65
528	<input type="checkbox"/>	J400	8.25	2,902.00	3,044.65	61.81
529	<input type="checkbox"/>	J402FH	65.58	2,912.00	3,044.61	57.46
530	<input type="checkbox"/>	J404FH	8.25	2,917.00	3,044.59	55.28
531	<input type="checkbox"/>	J406FH	8.25	2,921.00	3,044.87	53.67
532	<input type="checkbox"/>	J408	8.25	2,918.00	3,044.87	54.97
533	<input type="checkbox"/>	J410FH	8.25	2,922.00	3,045.08	53.33
534	<input type="checkbox"/>	J412FH	8.25	2,929.00	3,045.49	50.48
535	<input type="checkbox"/>	J414	8.25	2,928.00	3,053.07	54.19
536	<input type="checkbox"/>	J416FH	8.25	2,928.00	3,055.14	55.09
537	<input type="checkbox"/>	J418FH	8.25	2,926.00	3,055.14	55.96
538	<input type="checkbox"/>	J420FH	8.25	2,918.00	3,055.70	59.67
539	<input type="checkbox"/>	J422FH	8.25	2,928.00	3,054.41	54.78
540	<input type="checkbox"/>	J424FH	8.25	2,928.00	3,054.36	54.75
541	<input type="checkbox"/>	J426FH	8.25	2,927.00	3,054.33	55.17
542	<input type="checkbox"/>	J42FH	8.25	2,919.00	3,037.51	51.35
543	<input type="checkbox"/>	J430	8.25	2,923.00	3,055.76	57.52
544	<input type="checkbox"/>	J432	8.25	2,924.00	3,055.74	57.08
545	<input type="checkbox"/>	J434FH	8.25	2,926.00	3,055.75	56.22
546	<input type="checkbox"/>	J436	8.25	2,922.00	3,055.74	57.95
547	<input type="checkbox"/>	J438	8.25	2,923.00	3,055.74	57.52
548	<input type="checkbox"/>	J440FH	8.25	2,925.00	3,054.30	56.03
549	<input type="checkbox"/>	J442FH	8.25	2,926.00	3,054.69	55.76
550	<input type="checkbox"/>	J444FH	8.25	2,930.00	3,051.97	52.85

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
551	<input type="checkbox"/>	J446	8.25	2,909.00	3,057.35	64.28
552	<input type="checkbox"/>	J448	8.25	2,923.00	3,055.70	57.50
553	<input type="checkbox"/>	J44FH	8.25	2,918.00	3,036.99	51.56
554	<input type="checkbox"/>	J450FH	8.25	2,918.00	3,044.81	54.95
555	<input type="checkbox"/>	J452FH	65.58	2,915.00	3,044.71	56.20
556	<input type="checkbox"/>	J454	8.25	2,841.00	2,987.89	63.65
557	<input type="checkbox"/>	J456FH	8.25	2,706.00	2,929.86	97.00
558	<input type="checkbox"/>	J458FH	8.25	2,709.00	2,929.86	95.70
559	<input type="checkbox"/>	J46	8.25	2,896.00	3,036.61	60.93
560	<input type="checkbox"/>	J460FH	8.25	2,713.00	2,929.86	93.96
561	<input type="checkbox"/>	J462FH	8.25	2,713.00	2,929.87	93.97
562	<input type="checkbox"/>	J464	8.25	2,711.00	2,929.87	94.83
563	<input type="checkbox"/>	J466	8.25	2,707.00	2,929.86	96.57
564	<input type="checkbox"/>	J468	8.25	2,712.00	2,929.86	94.40
565	<input type="checkbox"/>	J470	8.25	2,712.00	2,929.89	94.41
566	<input type="checkbox"/>	J472	8.25	2,712.00	2,929.86	94.40
567	<input type="checkbox"/>	J474	8.25	2,712.00	2,929.87	94.40
568	<input type="checkbox"/>	J476	7.10	2,815.00	3,074.56	112.47
569	<input type="checkbox"/>	J478FH	8.25	2,816.00	3,074.57	112.04
570	<input type="checkbox"/>	J48	8.25	2,900.00	3,035.74	58.81
571	<input type="checkbox"/>	J480FH	8.25	2,796.00	3,074.70	120.76
572	<input type="checkbox"/>	J482FH	129.17	2,796.00	3,074.85	120.83
573	<input type="checkbox"/>	J484FH	8.25	2,811.00	3,075.11	114.44
574	<input type="checkbox"/>	J486FH	8.25	2,840.00	3,075.48	102.03
575	<input type="checkbox"/>	J488FH	8.25	2,820.00	3,075.47	110.70
576	<input type="checkbox"/>	J490FH	8.25	2,818.00	3,075.47	111.56
577	<input type="checkbox"/>	J492FH	8.25	2,820.00	3,075.46	110.69
578	<input type="checkbox"/>	J494FH	129.17	2,818.00	3,075.39	111.53
579	<input type="checkbox"/>	J496FH	8.25	2,815.00	3,075.57	112.91
580	<input type="checkbox"/>	J500FH	8.25	2,823.00	3,075.69	109.49
581	<input type="checkbox"/>	J508FH	8.25	2,847.00	3,075.71	99.10
582	<input type="checkbox"/>	J50FH	8.25	2,695.00	2,930.38	101.99
583	<input type="checkbox"/>	J510FH	8.25	2,856.00	3,075.74	95.21
584	<input type="checkbox"/>	J512	8.25	2,872.00	3,075.74	88.28
585	<input type="checkbox"/>	J514FH	8.25	2,869.00	3,075.78	89.60
586	<input type="checkbox"/>	J516	8.25	2,867.00	3,075.79	90.47
587	<input type="checkbox"/>	J518FH	8.25	2,865.00	3,075.83	91.35
588	<input type="checkbox"/>	J52	8.25	2,742.00	2,930.88	81.84
589	<input type="checkbox"/>	J522FH	8.25	2,824.00	3,075.70	109.06
590	<input type="checkbox"/>	J524	8.25	2,815.00	3,075.67	112.95
591	<input type="checkbox"/>	J526FH	8.25	2,840.00	3,075.74	102.14
592	<input type="checkbox"/>	J528FH	8.25	2,854.00	3,075.79	96.10
593	<input type="checkbox"/>	J532FH	8.25	2,858.00	3,075.86	94.40
594	<input type="checkbox"/>	J534	8.25	2,860.00	3,075.89	93.54
595	<input type="checkbox"/>	J54	8.25	2,738.00	2,930.88	83.57
596	<input type="checkbox"/>	J540	89.12	2,927.00	3,045.88	51.51
597	<input type="checkbox"/>	J546	7.10	2,760.00	3,156.38	171.75
598	<input type="checkbox"/>	J548	7.10	2,760.00	3,154.30	170.85
599	<input type="checkbox"/>	J550	7.10	2,760.00	3,149.79	168.90
600	<input type="checkbox"/>	J552	7.10	2,760.00	3,147.00	167.69

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
601	<input type="checkbox"/>	J554	7.10	2,760.00	3,149.17	168.63
602	<input type="checkbox"/>	J556	7.10	2,760.00	3,150.89	169.37
603	<input type="checkbox"/>	J558	7.10	2,760.00	3,154.40	170.89
604	<input type="checkbox"/>	J560	8.25	2,875.00	3,027.95	66.27
605	<input type="checkbox"/>	J562	7.10	2,865.00	3,028.74	70.95
606	<input type="checkbox"/>	J564	8.25	2,820.00	2,984.37	71.22
607	<input type="checkbox"/>	J566FH	8.25	2,922.00	3,044.93	53.27
608	<input type="checkbox"/>	J568FH	8.25	2,928.00	3,044.87	50.64
609	<input type="checkbox"/>	J56FH	8.25	2,740.00	2,930.64	82.60
610	<input type="checkbox"/>	J570FH	8.25	2,929.00	3,044.87	50.21
611	<input type="checkbox"/>	J572	8.25	2,939.00	3,044.79	45.84
612	<input type="checkbox"/>	J574	8.25	2,937.00	3,044.79	46.71
613	<input type="checkbox"/>	J576	8.25	2,942.00	3,044.65	44.48
614	<input type="checkbox"/>	J578	8.25	2,940.00	3,044.79	45.41
615	<input type="checkbox"/>	J580FH	8.25	2,939.00	3,044.79	45.84
616	<input type="checkbox"/>	J582	8.25	2,922.00	3,044.91	53.26
617	<input type="checkbox"/>	J584FH	8.25	2,842.00	3,075.65	101.24
618	<input type="checkbox"/>	J586	8.25	2,865.00	3,075.77	91.33
619	<input type="checkbox"/>	J588	8.25	2,857.00	3,075.78	94.80
620	<input type="checkbox"/>	J58FH	8.25	2,734.00	2,930.55	85.16
621	<input type="checkbox"/>	J590FH	8.25	2,833.00	3,075.64	105.14
622	<input type="checkbox"/>	J594FH	8.25	2,826.00	3,075.64	108.17
623	<input type="checkbox"/>	J596FH	8.25	2,803.00	3,075.39	118.03
624	<input type="checkbox"/>	J60	8.25	2,728.00	2,930.51	87.75
625	<input type="checkbox"/>	J600FH	8.25	2,846.00	3,075.75	99.55
626	<input type="checkbox"/>	J602	8.25	2,846.00	3,075.75	99.55
627	<input type="checkbox"/>	J604	8.25	2,945.00	3,044.38	43.06
628	<input type="checkbox"/>	J606FH	8.25	2,950.00	3,044.04	40.75
629	<input type="checkbox"/>	J608	8.25	2,943.00	3,044.38	43.93
630	<input type="checkbox"/>	J610FH	8.25	2,936.00	3,044.80	47.14
631	<input type="checkbox"/>	J612FH	8.25	2,931.00	3,044.85	49.33
632	<input type="checkbox"/>	J614	8.25	2,931.00	3,044.79	49.30
633	<input type="checkbox"/>	J616	89.12	2,933.00	3,044.77	48.43
634	<input type="checkbox"/>	J618	7.10	3,143.00	3,167.43	10.59
635	<input type="checkbox"/>	J62	8.25	2,723.00	2,930.52	89.92
636	<input type="checkbox"/>	J620	8.25	2,865.00	2,995.23	56.43
637	<input type="checkbox"/>	J622FH	8.25	2,826.00	2,989.07	70.66
638	<input type="checkbox"/>	J624FH	8.25	2,835.00	2,989.06	66.75
639	<input type="checkbox"/>	J626FH	8.25	2,805.00	2,989.07	79.76
640	<input type="checkbox"/>	J630FH	8.25	2,825.00	2,989.06	71.09
641	<input type="checkbox"/>	J634FH	8.25	2,831.00	2,989.05	68.49
642	<input type="checkbox"/>	J638FH	8.25	2,790.00	2,989.06	86.25
643	<input type="checkbox"/>	J64	8.25	2,742.00	2,930.40	81.63
644	<input type="checkbox"/>	J640FH	8.25	2,930.00	3,044.78	49.74
645	<input type="checkbox"/>	J642FH	8.25	2,929.00	3,044.81	50.18
646	<input type="checkbox"/>	J646FH	8.25	2,934.00	3,044.77	48.00
647	<input type="checkbox"/>	J648FH	8.25	2,799.00	2,930.53	56.99
648	<input type="checkbox"/>	J650FH	8.25	2,790.00	2,930.52	60.89
649	<input type="checkbox"/>	J652FH	8.25	2,774.00	2,930.52	67.82
650	<input type="checkbox"/>	J654FH	8.25	2,772.00	2,930.43	68.65

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
651	<input type="checkbox"/>	J656FH	8.25	2,779.00	2,930.37	65.59
652	<input type="checkbox"/>	J658FH	8.25	2,784.00	2,930.42	63.45
653	<input type="checkbox"/>	J660FH	8.25	2,774.00	2,930.17	67.67
654	<input type="checkbox"/>	J662FH	144.82	2,765.00	2,930.03	71.51
655	<input type="checkbox"/>	J664FH	8.25	2,784.00	2,930.17	63.33
656	<input type="checkbox"/>	J666FH	8.25	2,792.00	2,930.37	59.95
657	<input type="checkbox"/>	J668	144.82	2,805.00	2,929.98	54.15
658	<input type="checkbox"/>	J66FH	8.25	2,733.00	2,930.31	85.49
659	<input type="checkbox"/>	J670	8.25	2,746.42	2,931.15	80.04
660	<input type="checkbox"/>	J672FH	8.25	2,747.00	2,931.14	79.79
661	<input type="checkbox"/>	J674	8.25	2,931.48	3,046.11	49.67
662	<input type="checkbox"/>	J676FH	8.25	2,935.42	3,046.08	47.95
663	<input type="checkbox"/>	J678FH	8.25	2,934.28	3,045.87	48.35
664	<input type="checkbox"/>	J680FH	8.25	2,931.09	3,045.69	49.65
665	<input type="checkbox"/>	J682	8.25	2,926.25	3,045.59	51.71
666	<input type="checkbox"/>	J684FH	8.25	2,930.42	3,045.65	49.93
667	<input type="checkbox"/>	J686FH	8.25	2,929.00	3,045.80	50.61
668	<input type="checkbox"/>	J688	8.25	2,924.95	3,045.82	52.37
669	<input type="checkbox"/>	J68FH	8.25	2,743.00	2,930.29	81.15
670	<input type="checkbox"/>	J690	8.25	2,925.00	3,045.82	52.35
671	<input type="checkbox"/>	J692FH	8.25	2,932.10	3,045.97	49.34
672	<input type="checkbox"/>	J694	8.25	2,923.00	3,045.47	53.07
673	<input type="checkbox"/>	J696	8.25	2,935.00	3,044.80	47.57
674	<input type="checkbox"/>	J698	8.25	2,929.52	3,044.96	50.02
675	<input type="checkbox"/>	J700FH	8.25	2,936.95	3,044.96	46.80
676	<input type="checkbox"/>	J702	8.25	2,925.68	3,045.32	51.84
677	<input type="checkbox"/>	J704FH	8.25	2,926.37	3,045.32	51.54
678	<input type="checkbox"/>	J706FH	8.25	2,934.71	3,045.32	47.93
679	<input type="checkbox"/>	J708FH	8.25	2,930.45	3,044.96	49.62
680	<input type="checkbox"/>	J70FH	8.25	2,731.00	2,930.31	86.36
681	<input type="checkbox"/>	J710FH	8.25	2,935.73	3,044.83	47.27
682	<input type="checkbox"/>	J712	8.25	2,721.80	2,930.70	90.52
683	<input type="checkbox"/>	J714FH	8.25	2,726.17	2,930.70	88.62
684	<input type="checkbox"/>	J716	8.25	2,720.00	2,930.70	91.30
685	<input type="checkbox"/>	J718FH	8.25	2,723.42	2,930.70	89.82
686	<input type="checkbox"/>	J72	8.25	2,724.00	2,930.71	89.57
687	<input type="checkbox"/>	J720FH	8.25	2,781.00	2,985.78	88.73
688	<input type="checkbox"/>	J724	8.25	2,934.00	3,044.81	48.01
689	<input type="checkbox"/>	J728	8.25	2,932.00	3,044.81	48.88
690	<input type="checkbox"/>	J730FH	8.25	2,932.00	3,044.81	48.88
691	<input type="checkbox"/>	J732	8.25	2,930.00	3,044.81	49.75
692	<input type="checkbox"/>	J736	8.25	2,922.00	3,044.86	53.23
693	<input type="checkbox"/>	J738FH	8.25	2,924.00	3,044.84	52.36
694	<input type="checkbox"/>	J74	8.25	2,911.00	3,042.48	56.97
695	<input type="checkbox"/>	J740FH	8.25	2,916.00	3,044.90	55.85
696	<input type="checkbox"/>	J742FH	8.25	2,938.00	3,044.80	46.28
697	<input type="checkbox"/>	J744	8.25	2,942.00	3,044.80	44.54
698	<input type="checkbox"/>	J746	8.25	2,944.00	3,043.68	43.19
699	<input type="checkbox"/>	J748	89.12	2,950.00	3,043.59	40.55
700	<input type="checkbox"/>	J750FH	8.25	2,941.00	3,043.63	44.47

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
701	<input type="checkbox"/>	J752	89.12	2,946.00	3,043.57	42.28
702	<input type="checkbox"/>	J754	8.25	2,944.00	3,043.63	43.17
703	<input type="checkbox"/>	J756	8.25	2,948.00	3,044.04	41.61
704	<input type="checkbox"/>	J758	8.25	2,952.00	3,044.04	39.88
705	<input type="checkbox"/>	J76	8.25	2,886.00	3,042.78	67.93
706	<input type="checkbox"/>	J774	8.25	2,738.00	2,930.32	83.33
707	<input type="checkbox"/>	J776	8.25	2,736.00	2,930.32	84.20
708	<input type="checkbox"/>	J778	8.25	2,771.00	2,930.39	69.06
709	<input type="checkbox"/>	J780	8.25	2,770.00	2,930.39	69.50
710	<input type="checkbox"/>	J782	8.25	2,812.00	2,986.19	75.47
711	<input type="checkbox"/>	J784FH	8.25	2,774.00	2,930.51	67.82
712	<input type="checkbox"/>	J786FH	8.25	2,781.00	2,985.78	88.73
713	<input type="checkbox"/>	J788FH	8.25	2,921.00	3,046.15	54.23
714	<input type="checkbox"/>	J78FH	8.25	2,932.00	3,045.64	49.24
715	<input type="checkbox"/>	J790FH	8.25	2,926.00	3,044.82	51.49
716	<input type="checkbox"/>	J792	89.12	2,943.00	3,044.76	44.09
717	<input type="checkbox"/>	J794	815.81	2,907.00	3,044.68	59.66
718	<input type="checkbox"/>	J796	87.97	2,889.00	3,044.35	67.31
719	<input type="checkbox"/>	J802	8.25	2,774.00	2,930.53	67.82
720	<input type="checkbox"/>	J804	8.25	2,799.00	3,074.47	119.36
721	<input type="checkbox"/>	J80FH	8.25	2,925.00	3,044.20	51.65
722	<input type="checkbox"/>	J814	7.10	2,981.00	3,162.87	78.81
723	<input type="checkbox"/>	J816	7.10	2,963.00	3,044.03	35.11
724	<input type="checkbox"/>	J818	7.10	2,954.00	3,044.04	39.01
725	<input type="checkbox"/>	J82FH	8.25	2,917.00	3,043.23	54.70
726	<input type="checkbox"/>	J838	7.10	3,004.53	3,164.00	69.10
727	<input type="checkbox"/>	J84FH	8.25	2,922.00	3,043.23	52.53
728	<input type="checkbox"/>	J86	8.25	2,925.00	3,044.77	51.90
729	<input type="checkbox"/>	J88	8.25	2,916.00	3,041.13	54.22
730	<input type="checkbox"/>	J90	8.25	2,922.00	3,044.78	53.20
731	<input type="checkbox"/>	J92FH	8.25	2,948.00	3,048.74	43.65
732	<input type="checkbox"/>	J942	7.10	2,907.00	3,044.40	59.53
733	<input type="checkbox"/>	J946	7.10	2,983.37	3,163.30	77.96
734	<input type="checkbox"/>	J948	7.10	2,946.00	3,089.20	62.05
735	<input type="checkbox"/>	J94FH	8.25	2,950.00	3,047.00	42.03
736	<input type="checkbox"/>	J954	7.10	2,847.00	3,020.65	75.24
737	<input type="checkbox"/>	J960	7.10	2,851.00	3,022.82	74.45
738	<input type="checkbox"/>	J962	7.10	2,855.00	3,024.06	73.25
739	<input type="checkbox"/>	J964	7.10	2,861.00	3,025.73	71.38
740	<input type="checkbox"/>	J966	7.10	2,861.00	3,026.84	71.86
741	<input type="checkbox"/>	J968	7.10	2,915.00	3,045.00	56.33
742	<input type="checkbox"/>	J96FH	8.25	2,941.00	3,048.31	46.50
743	<input type="checkbox"/>	J970	7.10	2,924.00	3,044.90	52.38
744	<input type="checkbox"/>	J972	7.10	2,917.00	3,045.10	55.51
745	<input type="checkbox"/>	J974	7.10	2,919.00	3,045.00	54.60
746	<input type="checkbox"/>	J976	7.10	2,926.00	3,044.90	51.52
747	<input type="checkbox"/>	J978	7.10	2,934.00	3,046.85	48.90
748	<input type="checkbox"/>	J980	7.10	2,934.00	3,046.70	48.83
749	<input type="checkbox"/>	J982	7.10	2,928.00	3,046.35	51.28
750	<input type="checkbox"/>	J984	7.10	2,944.00	3,062.18	51.21

Peak Day Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
751	<input type="checkbox"/>	J986	7.10	2,923.00	3,051.32	55.60
752	<input type="checkbox"/>	J988	7.10	2,921.00	3,047.63	54.87
753	<input type="checkbox"/>	J98FH	8.25	2,936.00	3,050.36	49.55
754	<input type="checkbox"/>	J990	7.10	2,916.00	3,045.99	56.32
755	<input type="checkbox"/>	J992	7.10	2,923.00	3,045.06	52.89
756	<input type="checkbox"/>	J994	7.10	2,946.00	3,089.76	62.29
757	<input type="checkbox"/>	J996	7.10	2,910.00	3,044.79	58.40
758	<input type="checkbox"/>	J998	7.10	2,908.00	3,044.68	59.22



Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1	<input type="checkbox"/>	J-100FH	9.23	2,876.00	2,996.53	52.23
2	<input type="checkbox"/>	J-101	9.23	2,865.00	3,066.44	87.28
3	<input type="checkbox"/>	J-102FH	9.23	2,868.00	3,071.35	88.11
4	<input type="checkbox"/>	J-103FH	9.23	2,871.00	3,071.64	86.94
5	<input type="checkbox"/>	J-104	9.23	2,839.00	2,997.06	68.49
6	<input type="checkbox"/>	J-105FH	9.23	2,875.00	3,071.89	85.31
7	<input type="checkbox"/>	J-106FH	9.23	2,877.00	3,069.94	83.60
8	<input type="checkbox"/>	J-107FH	9.23	2,936.00	3,076.07	60.69
9	<input type="checkbox"/>	J-108	9.23	2,876.00	3,071.37	84.65
10	<input type="checkbox"/>	J-109FH	9.23	2,875.00	3,071.65	85.21
11	<input type="checkbox"/>	J-10FH	9.23	2,741.00	2,930.24	82.00
12	<input type="checkbox"/>	J-110	9.23	2,879.00	3,071.89	83.58
13	<input type="checkbox"/>	J-111	9.23	2,899.50	3,072.22	74.84
14	<input type="checkbox"/>	J-112	9.23	2,879.00	3,072.21	83.72
15	<input type="checkbox"/>	J-113	9.23	2,885.00	3,073.14	81.52
16	<input type="checkbox"/>	J-114FH	9.23	2,885.50	3,072.62	81.08
17	<input type="checkbox"/>	J-115	9.23	2,885.00	3,072.62	81.29
18	<input type="checkbox"/>	J-116FH	9.23	2,881.00	3,073.90	83.58
19	<input type="checkbox"/>	J-117	9.23	2,897.00	3,072.77	76.16
20	<input type="checkbox"/>	J-118FH	9.23	2,891.00	3,073.15	78.93
21	<input type="checkbox"/>	J-119FH	9.23	2,889.00	3,073.50	79.94
22	<input type="checkbox"/>	J-11FH	9.23	2,740.00	2,929.80	82.24
23	<input type="checkbox"/>	J-12	9.23	2,766.00	2,932.46	72.13
24	<input type="checkbox"/>	J-120	9.23	2,887.00	3,073.82	80.95
25	<input type="checkbox"/>	J-1208	9.23	2,822.00	3,004.64	79.14
26	<input type="checkbox"/>	J-121	9.23	2,878.00	3,074.18	85.01
27	<input type="checkbox"/>	J-1210	9.23	2,760.00	3,106.87	150.30
28	<input type="checkbox"/>	J-122FH	9.23	2,880.00	3,074.33	84.20
29	<input type="checkbox"/>	J-123	9.23	2,870.00	3,074.18	88.47
30	<input type="checkbox"/>	J-124	9.23	2,892.00	3,073.89	78.81
31	<input type="checkbox"/>	J-125	9.23	2,892.00	3,073.89	78.81
32	<input type="checkbox"/>	J-1254	9.23	3,000.00	3,162.99	70.62
33	<input type="checkbox"/>	J-1268	9.23	3,200.00	3,301.00	43.76
34	<input type="checkbox"/>	J-1269	9.23	3,200.00	3,301.00	43.76
35	<input type="checkbox"/>	J-126FH	9.23	2,901.00	3,074.19	75.04
36	<input type="checkbox"/>	J-127	9.23	2,901.00	3,074.26	75.07
37	<input type="checkbox"/>	J-1273	9.23	2,823.00	3,007.70	80.03
38	<input type="checkbox"/>	J-128FH	9.23	2,935.00	3,076.06	61.12
39	<input type="checkbox"/>	J-129	9.23	2,899.00	3,073.82	75.75
40	<input type="checkbox"/>	J-13	9.23	2,751.00	2,985.35	101.54
41	<input type="checkbox"/>	J-130	9.23	2,932.00	3,076.05	62.42
42	<input type="checkbox"/>	J-131FH	9.23	2,901.00	3,073.50	74.74
43	<input type="checkbox"/>	J-132FH	9.23	2,925.00	3,075.99	65.42
44	<input type="checkbox"/>	J-133FH	9.23	2,903.00	3,073.23	73.76
45	<input type="checkbox"/>	J-134FH	9.23	2,927.00	3,075.99	64.56
46	<input type="checkbox"/>	J-135	9.23	2,905.00	3,072.97	72.78
47	<input type="checkbox"/>	J-136FH	9.23	2,910.00	3,072.64	70.47
48	<input type="checkbox"/>	J-137	9.23	2,901.00	3,072.61	74.36
49	<input type="checkbox"/>	J-138FH	9.23	2,902.00	3,072.60	73.92
50	<input type="checkbox"/>	J-139FH	9.23	2,877.00	3,072.57	84.74

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
51	<input type="checkbox"/>	J-140	9.23	2,885.00	3,071.73	80.91
52	<input type="checkbox"/>	J-141FH	9.23	2,900.00	3,071.73	74.41
53	<input type="checkbox"/>	J-142	9.23	2,885.00	3,071.67	80.89
54	<input type="checkbox"/>	J-143FH	9.23	2,890.00	3,071.48	78.64
55	<input type="checkbox"/>	J-144FH	9.23	2,897.00	3,070.27	75.08
56	<input type="checkbox"/>	J-145FH	9.23	2,889.00	3,070.00	78.43
57	<input type="checkbox"/>	J-146	9.23	2,888.00	3,070.12	78.91
58	<input type="checkbox"/>	J-147FH	9.23	2,891.00	3,069.50	77.34
59	<input type="checkbox"/>	J-148	9.23	2,908.00	3,071.84	70.99
60	<input type="checkbox"/>	J-149FH	9.23	2,905.00	3,070.39	71.66
61	<input type="checkbox"/>	J-14FH	9.23	2,750.00	2,930.70	78.30
62	<input type="checkbox"/>	J-150	9.23	2,909.00	3,070.57	70.01
63	<input type="checkbox"/>	J-151FH	9.23	2,893.00	3,070.33	76.84
64	<input type="checkbox"/>	J-152	9.23	2,874.00	3,002.78	55.80
65	<input type="checkbox"/>	J-153FH	9.23	2,892.50	3,069.74	76.80
66	<input type="checkbox"/>	J-154	9.23	2,892.00	3,069.74	77.02
67	<input type="checkbox"/>	J-155	9.23	2,894.00	3,069.94	76.23
68	<input type="checkbox"/>	J-156FH	9.23	2,894.00	3,069.97	76.25
69	<input type="checkbox"/>	J-157	9.23	2,870.00	3,069.95	86.64
70	<input type="checkbox"/>	J-158FH	9.23	2,900.00	3,070.13	73.72
71	<input type="checkbox"/>	J-159	9.23	2,896.00	3,070.13	75.45
72	<input type="checkbox"/>	J-15FH	9.23	2,753.00	2,930.70	77.00
73	<input type="checkbox"/>	J-160FH	9.23	2,903.50	3,070.30	72.27
74	<input type="checkbox"/>	J-161FH	9.23	2,897.00	3,070.26	75.07
75	<input type="checkbox"/>	J-162FH	9.23	2,880.00	3,069.97	82.31
76	<input type="checkbox"/>	J-163	9.23	2,885.00	3,070.07	80.19
77	<input type="checkbox"/>	J-164FH	9.23	2,910.00	3,070.91	69.72
78	<input type="checkbox"/>	J-165FH	9.23	2,915.00	3,071.06	67.62
79	<input type="checkbox"/>	J-166	9.23	2,915.00	3,071.46	67.79
80	<input type="checkbox"/>	J-167FH	9.23	2,909.00	3,072.15	70.69
81	<input type="checkbox"/>	J-168FH	9.23	2,917.00	3,072.43	67.35
82	<input type="checkbox"/>	J-169FH	9.23	2,921.00	3,075.98	67.15
83	<input type="checkbox"/>	J-16FH	9.23	2,640.00	2,930.06	125.68
84	<input type="checkbox"/>	J-170FH	9.23	2,917.00	3,075.13	68.52
85	<input type="checkbox"/>	J-171	9.23	2,916.00	3,071.61	67.42
86	<input type="checkbox"/>	J-172	9.23	2,909.00	3,072.15	70.69
87	<input type="checkbox"/>	J-173FH	9.23	2,920.00	3,071.60	65.69
88	<input type="checkbox"/>	J-174	9.23	2,921.00	3,071.41	65.17
89	<input type="checkbox"/>	J-175FH	9.23	2,915.00	3,072.19	68.11
90	<input type="checkbox"/>	J-176	9.23	2,915.00	3,072.18	68.11
91	<input type="checkbox"/>	J-177FH	9.23	2,929.00	3,075.42	63.44
92	<input type="checkbox"/>	J-178	9.23	2,920.00	3,073.24	66.40
93	<input type="checkbox"/>	J-179	9.23	2,920.00	3,073.38	66.46
94	<input type="checkbox"/>	J-17FH	9.23	2,638.00	2,930.04	126.54
95	<input type="checkbox"/>	J-18	9.23	2,637.00	2,930.04	126.97
96	<input type="checkbox"/>	J-180	9.23	2,933.00	3,075.78	61.87
97	<input type="checkbox"/>	J-181	9.23	2,915.00	3,073.76	68.79
98	<input type="checkbox"/>	J-182	9.23	2,915.00	3,073.79	68.80
99	<input type="checkbox"/>	J-183FH	9.23	2,915.00	3,073.78	68.80
100	<input type="checkbox"/>	J-184FH	9.23	2,915.00	3,073.22	68.56

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
101	<input type="checkbox"/>	J-185	9.23	2,920.00	3,073.99	66.72
102	<input type="checkbox"/>	J-186FH	9.23	2,910.00	3,074.36	71.22
103	<input type="checkbox"/>	J-187	9.23	2,915.00	3,073.33	68.61
104	<input type="checkbox"/>	J-188	9.23	2,909.00	3,074.90	71.88
105	<input type="checkbox"/>	J-189FH	9.23	2,915.00	3,076.92	70.16
106	<input type="checkbox"/>	J-191	9.23	2,915.00	3,073.28	68.58
107	<input type="checkbox"/>	J-192	9.23	2,910.00	3,073.26	70.74
108	<input type="checkbox"/>	J-193FH	9.23	2,917.00	3,073.28	67.72
109	<input type="checkbox"/>	J-194	9.23	2,917.00	3,070.77	66.63
110	<input type="checkbox"/>	J-195	9.23	2,916.50	3,070.77	66.85
111	<input type="checkbox"/>	J-196	9.23	2,909.00	3,070.63	70.03
112	<input type="checkbox"/>	J-197	9.23	2,908.00	3,070.62	70.47
113	<input type="checkbox"/>	J-198FH	9.23	2,900.00	3,070.55	73.90
114	<input type="checkbox"/>	J-199	9.23	2,902.00	3,070.65	73.08
115	<input type="checkbox"/>	J-19FH	9.23	2,636.00	2,930.03	127.40
116	<input type="checkbox"/>	J-1FH	9.23	2,720.00	2,929.70	90.86
117	<input type="checkbox"/>	J-2	9.23	2,720.00	2,929.70	90.86
118	<input type="checkbox"/>	J-200	9.23	2,895.00	3,070.28	75.95
119	<input type="checkbox"/>	J-201	9.23	2,890.00	3,070.20	78.08
120	<input type="checkbox"/>	J-202	9.23	2,892.00	3,070.19	77.21
121	<input type="checkbox"/>	J-203	9.23	2,883.00	3,070.18	81.10
122	<input type="checkbox"/>	J-204FH	9.23	2,880.00	3,070.07	82.36
123	<input type="checkbox"/>	J-205	9.23	2,885.00	3,070.30	80.29
124	<input type="checkbox"/>	J-206	9.23	2,890.00	3,070.44	78.19
125	<input type="checkbox"/>	J-207	9.23	2,883.00	3,070.27	81.14
126	<input type="checkbox"/>	J-208	9.23	2,939.00	3,076.17	59.43
127	<input type="checkbox"/>	J-209	9.23	2,825.00	3,006.07	78.46
128	<input type="checkbox"/>	J-20FH	9.23	2,745.00	2,931.00	80.59
129	<input type="checkbox"/>	J-21	9.23	2,745.00	2,930.57	80.41
130	<input type="checkbox"/>	J-210	9.23	2,937.00	3,075.98	60.22
131	<input type="checkbox"/>	J-211FH	9.23	2,830.00	3,006.07	76.29
132	<input type="checkbox"/>	J-212FH	9.23	2,824.00	3,006.07	78.89
133	<input type="checkbox"/>	J-213	9.23	2,825.00	3,009.83	80.09
134	<input type="checkbox"/>	J-214FH	9.23	2,835.00	3,009.83	75.75
135	<input type="checkbox"/>	J-215FH	9.23	2,825.00	3,009.83	80.09
136	<input type="checkbox"/>	J-216	9.23	2,830.00	3,014.29	79.85
137	<input type="checkbox"/>	J-217	9.23	2,830.00	3,017.05	81.05
138	<input type="checkbox"/>	J-218FH	9.23	2,838.00	3,014.29	76.39
139	<input type="checkbox"/>	J-219	9.23	2,830.00	3,014.28	79.85
140	<input type="checkbox"/>	J-22	9.23	2,920.00	3,075.20	67.25
141	<input type="checkbox"/>	J-220	9.23	2,924.00	3,076.61	66.12
142	<input type="checkbox"/>	J-221FH	9.23	2,748.00	2,930.93	79.26
143	<input type="checkbox"/>	J-222FH	9.23	2,732.00	2,931.38	86.39
144	<input type="checkbox"/>	J-223	9.23	2,720.00	2,930.87	91.37
145	<input type="checkbox"/>	J-224	9.23	2,750.00	2,931.21	78.52
146	<input type="checkbox"/>	J-225FH	9.23	2,752.00	2,931.05	77.58
147	<input type="checkbox"/>	J-226	9.23	2,740.00	2,930.94	82.74
148	<input type="checkbox"/>	J-227FH	9.23	2,845.00	2,993.11	64.18
149	<input type="checkbox"/>	J-228	9.23	2,755.00	2,931.05	76.28
150	<input type="checkbox"/>	J-229FH	9.23	2,753.00	2,930.89	77.08

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
151	<input type="checkbox"/>	J-23	9.23	2,751.00	2,988.17	102.77
152	<input type="checkbox"/>	J-230	9.23	2,755.00	2,930.89	76.21
153	<input type="checkbox"/>	J-231	9.23	2,750.00	2,930.85	78.36
154	<input type="checkbox"/>	J-232FH	9.23	2,755.00	2,930.79	76.17
155	<input type="checkbox"/>	J-233	9.23	2,750.00	2,930.80	78.34
156	<input type="checkbox"/>	J-234	9.23	2,770.00	2,930.76	69.66
157	<input type="checkbox"/>	J-235FH	9.23	2,765.00	2,930.70	71.80
158	<input type="checkbox"/>	J-236	9.23	2,768.00	2,930.69	70.50
159	<input type="checkbox"/>	J-237	9.23	2,765.00	2,930.68	71.79
160	<input type="checkbox"/>	J-238	9.23	2,778.00	2,930.65	66.14
161	<input type="checkbox"/>	J-24	9.23	2,800.00	2,990.20	82.41
162	<input type="checkbox"/>	J-240	9.23	2,778.00	2,930.64	66.14
163	<input type="checkbox"/>	J-241	9.23	2,780.00	2,930.11	65.04
164	<input type="checkbox"/>	J-242	9.23	2,760.00	2,930.55	73.90
165	<input type="checkbox"/>	J-243	9.23	2,924.00	3,075.80	65.78
166	<input type="checkbox"/>	J-244	9.23	2,770.00	2,930.55	69.56
167	<input type="checkbox"/>	J-245	9.23	2,770.00	2,930.55	69.56
168	<input type="checkbox"/>	J-246	9.23	2,878.00	3,002.76	54.06
169	<input type="checkbox"/>	J-247FH	9.23	2,857.50	2,997.18	60.52
170	<input type="checkbox"/>	J-248	9.23	2,920.00	3,078.29	68.59
171	<input type="checkbox"/>	J-249	9.23	2,920.00	3,078.56	68.70
172	<input type="checkbox"/>	J-250FH	9.23	2,750.00	2,930.80	78.34
173	<input type="checkbox"/>	J-251	9.23	2,750.00	2,930.80	78.34
174	<input type="checkbox"/>	J-252	9.23	2,750.00	2,930.81	78.34
175	<input type="checkbox"/>	J-253	9.23	2,745.00	2,930.80	80.51
176	<input type="checkbox"/>	J-254	9.23	2,735.00	2,930.24	84.60
177	<input type="checkbox"/>	J-255FH	9.23	2,728.00	2,930.17	87.60
178	<input type="checkbox"/>	J-256	9.23	2,728.00	2,930.15	87.59
179	<input type="checkbox"/>	J-257	9.23	2,725.00	2,929.71	88.70
180	<input type="checkbox"/>	J-258FH	9.23	2,735.00	2,929.61	84.33
181	<input type="checkbox"/>	J-259	9.23	2,735.00	2,929.52	84.28
182	<input type="checkbox"/>	J-25FH	9.23	2,758.00	2,989.39	100.26
183	<input type="checkbox"/>	J-26	9.23	2,760.00	2,989.39	99.39
184	<input type="checkbox"/>	J-260FH	9.23	2,735.00	2,929.48	84.27
185	<input type="checkbox"/>	J-261	9.23	2,735.00	2,929.47	84.26
186	<input type="checkbox"/>	J-262	9.23	2,735.00	2,929.46	84.26
187	<input type="checkbox"/>	J-263	9.23	2,720.00	2,929.43	90.75
188	<input type="checkbox"/>	J-264	9.23	2,710.00	2,929.35	95.04
189	<input type="checkbox"/>	J-265	9.23	2,700.00	2,929.04	99.24
190	<input type="checkbox"/>	J-266FH	9.23	2,700.00	2,929.03	99.24
191	<input type="checkbox"/>	J-267FH	9.23	2,751.00	2,934.38	79.46
192	<input type="checkbox"/>	J-268	9.23	2,700.00	2,929.16	99.30
193	<input type="checkbox"/>	J-269FH	9.23	2,700.00	2,929.16	99.29
194	<input type="checkbox"/>	J-27	9.23	2,770.00	2,990.18	95.40
195	<input type="checkbox"/>	J-270FH	9.23	2,700.00	2,929.35	99.38
196	<input type="checkbox"/>	J-271FH	9.23	2,735.00	2,929.48	84.27
197	<input type="checkbox"/>	J-272	9.23	2,824.00	3,004.74	78.32
198	<input type="checkbox"/>	J-273FH	9.23	2,705.00	2,929.58	97.31
199	<input type="checkbox"/>	J-274FH	9.23	2,705.00	2,929.59	97.32
200	<input type="checkbox"/>	J-275FH	9.23	2,785.00	2,987.92	87.92

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
201	<input type="checkbox"/>	J-277	9.23	2,920.00	3,076.92	67.99
202	<input type="checkbox"/>	J-278FH	9.23	2,740.00	2,931.43	82.95
203	<input type="checkbox"/>	J-279FH	9.23	2,730.00	2,930.83	87.02
204	<input type="checkbox"/>	J-28	9.23	2,807.00	2,992.06	80.19
205	<input type="checkbox"/>	J-280FH	9.23	2,741.00	2,930.36	82.05
206	<input type="checkbox"/>	J-281FH	9.23	2,703.00	2,929.60	98.19
207	<input type="checkbox"/>	J-282	9.23	2,720.00	2,929.68	90.85
208	<input type="checkbox"/>	J-283FH	9.23	2,715.00	2,929.71	93.03
209	<input type="checkbox"/>	J-284FH	9.23	2,720.00	2,929.93	90.96
210	<input type="checkbox"/>	J-285	9.23	2,720.00	2,929.71	90.87
211	<input type="checkbox"/>	J-286	9.23	2,720.00	2,929.94	90.97
212	<input type="checkbox"/>	J-287	9.23	2,720.00	2,930.08	91.03
213	<input type="checkbox"/>	J-288FH	9.23	2,720.00	2,929.70	90.86
214	<input type="checkbox"/>	J-289	9.23	2,720.00	2,929.73	90.88
215	<input type="checkbox"/>	J-290	9.23	2,720.00	2,929.73	90.88
216	<input type="checkbox"/>	J-291FH	9.23	2,921.00	3,074.83	66.65
217	<input type="checkbox"/>	J-292FH	9.23	2,705.00	2,929.64	97.34
218	<input type="checkbox"/>	J-293FH	9.23	2,755.00	2,986.68	100.39
219	<input type="checkbox"/>	J-294	9.23	2,913.00	3,076.79	70.97
220	<input type="checkbox"/>	J-295	9.23	2,946.00	3,115.97	73.65
221	<input type="checkbox"/>	J-296	9.23	2,990.00	3,124.09	58.10
222	<input type="checkbox"/>	J-297FH	9.23	2,705.00	2,929.62	97.33
223	<input type="checkbox"/>	J-298	9.23	2,760.00	2,930.59	73.92
224	<input type="checkbox"/>	J-299	9.23	2,770.00	2,930.55	69.57
225	<input type="checkbox"/>	J-29FH	9.23	2,815.00	2,992.97	77.11
226	<input type="checkbox"/>	J-3	9.23	2,730.00	2,929.88	86.61
227	<input type="checkbox"/>	J-300	9.23	2,915.00	3,076.92	70.16
228	<input type="checkbox"/>	J-301FH	9.23	2,800.00	3,081.61	122.02
229	<input type="checkbox"/>	J-302FH	9.23	2,705.00	2,929.62	97.33
230	<input type="checkbox"/>	J-303FH	9.23	2,730.00	2,929.69	86.53
231	<input type="checkbox"/>	J-304	9.23	3,000.00	3,153.89	66.68
232	<input type="checkbox"/>	J-305FH	9.23	2,877.50	2,996.53	51.58
233	<input type="checkbox"/>	J-306	9.23	2,877.50	3,069.80	83.32
234	<input type="checkbox"/>	J-307FH	9.23	2,740.00	2,929.71	82.20
235	<input type="checkbox"/>	J-308	9.23	3,042.00	3,088.18	20.01
236	<input type="checkbox"/>	J-309	9.23	2,760.00	2,930.56	73.90
237	<input type="checkbox"/>	J-30FH	9.23	2,816.00	2,993.85	77.06
238	<input type="checkbox"/>	J-31	9.23	2,815.00	2,994.49	77.77
239	<input type="checkbox"/>	J-310	9.23	2,930.00	3,076.23	63.36
240	<input type="checkbox"/>	J-311	9.23	2,925.00	3,077.59	66.12
241	<input type="checkbox"/>	J-312	9.23	2,870.00	3,075.44	89.02
242	<input type="checkbox"/>	J-313	9.23	2,800.00	2,997.06	85.39
243	<input type="checkbox"/>	J-314	9.23	2,780.00	2,996.75	93.92
244	<input type="checkbox"/>	J-315FH	9.23	2,930.00	3,076.01	63.26
245	<input type="checkbox"/>	J-316	9.23	2,843.00	2,993.11	65.04
246	<input type="checkbox"/>	J-317FH	9.23	2,902.00	3,070.67	73.09
247	<input type="checkbox"/>	J-318FH	9.23	2,922.00	3,078.17	67.67
248	<input type="checkbox"/>	J-319FH	9.23	2,924.00	3,077.45	66.49
249	<input type="checkbox"/>	J-32	9.23	2,800.00	2,996.10	84.97
250	<input type="checkbox"/>	J-320	9.23	2,922.00	3,077.30	67.29

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
251	<input type="checkbox"/>	J-321FH	9.23	2,924.00	3,076.81	66.21
252	<input type="checkbox"/>	J-322FH	9.23	2,936.00	3,076.36	60.82
253	<input type="checkbox"/>	J-323FH	9.23	2,930.00	3,076.49	63.47
254	<input type="checkbox"/>	J-324FH	9.23	2,926.00	3,076.75	65.32
255	<input type="checkbox"/>	J-325FH	9.23	2,924.00	3,076.98	66.29
256	<input type="checkbox"/>	J-326FH	9.23	2,928.00	3,076.73	64.44
257	<input type="checkbox"/>	J-327FH	9.23	2,928.00	3,076.61	64.39
258	<input type="checkbox"/>	J-328FH	9.23	2,933.00	3,076.46	62.16
259	<input type="checkbox"/>	J-329FH	9.23	2,934.00	3,076.43	61.72
260	<input type="checkbox"/>	J-330	9.23	2,934.00	3,076.44	61.72
261	<input type="checkbox"/>	J-331	9.23	2,923.00	3,076.80	66.64
262	<input type="checkbox"/>	J-333	9.23	2,885.00	3,070.28	80.28
263	<input type="checkbox"/>	J-334	9.23	2,885.00	3,070.28	80.28
264	<input type="checkbox"/>	J-335	9.23	2,745.00	2,931.03	80.61
265	<input type="checkbox"/>	J-336	9.23	2,745.00	2,931.03	80.61
266	<input type="checkbox"/>	J-33FH	9.23	2,820.00	2,995.20	75.91
267	<input type="checkbox"/>	J-34	9.23	2,830.00	2,995.45	71.69
268	<input type="checkbox"/>	J-35	9.23	2,827.00	2,994.37	72.52
269	<input type="checkbox"/>	J-36	9.23	2,820.00	2,994.43	75.58
270	<input type="checkbox"/>	J-37	9.23	2,825.00	2,993.83	73.15
271	<input type="checkbox"/>	J-38FH	9.23	2,821.00	2,993.06	74.55
272	<input type="checkbox"/>	J-39FH	9.23	2,836.00	2,994.27	68.58
273	<input type="checkbox"/>	J-4	9.23	2,729.00	2,929.88	87.04
274	<input type="checkbox"/>	J-40	9.23	2,839.00	2,994.25	67.27
275	<input type="checkbox"/>	J-41	9.23	2,837.00	2,994.23	68.13
276	<input type="checkbox"/>	J-42	9.23	2,835.00	2,993.87	68.84
277	<input type="checkbox"/>	J-43	9.23	2,833.00	2,993.15	69.40
278	<input type="checkbox"/>	J-44FH	9.23	2,805.00	2,992.12	81.08
279	<input type="checkbox"/>	J-45	9.23	2,805.00	2,992.35	81.18
280	<input type="checkbox"/>	J-46	9.23	2,780.00	2,992.11	91.91
281	<input type="checkbox"/>	J-47	9.23	2,760.00	2,992.11	100.57
282	<input type="checkbox"/>	J-48	9.23	2,780.00	2,992.11	91.91
283	<input type="checkbox"/>	J-49	9.23	2,801.00	2,992.73	83.08
284	<input type="checkbox"/>	J-5	9.23	2,751.00	2,930.12	77.61
285	<input type="checkbox"/>	J-50	9.23	2,803.00	2,992.35	82.05
286	<input type="checkbox"/>	J-51	9.23	2,800.00	2,992.73	83.51
287	<input type="checkbox"/>	J-52	9.23	2,839.00	2,996.24	68.13
288	<input type="checkbox"/>	J-53	9.23	2,842.00	2,995.94	66.70
289	<input type="checkbox"/>	J-54	9.23	2,920.00	3,074.14	66.79
290	<input type="checkbox"/>	J-55	9.23	2,842.00	2,995.79	66.64
291	<input type="checkbox"/>	J-56	9.23	2,847.00	2,995.89	64.51
292	<input type="checkbox"/>	J-57	9.23	2,850.00	2,995.89	63.21
293	<input type="checkbox"/>	J-58	9.23	2,837.00	2,994.38	68.19
294	<input type="checkbox"/>	J-59	9.23	2,860.00	3,081.61	96.02
295	<input type="checkbox"/>	J-6	9.23	2,757.00	2,930.46	75.16
296	<input type="checkbox"/>	J-61	9.23	2,847.00	2,994.35	63.85
297	<input type="checkbox"/>	J-63FH	9.23	2,839.00	2,994.35	67.31
298	<input type="checkbox"/>	J-64	9.23	2,839.00	2,994.14	67.22
299	<input type="checkbox"/>	J-65	9.23	2,851.50	2,995.87	62.55
300	<input type="checkbox"/>	J-66FH	9.23	2,847.00	2,995.50	64.35

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
301	<input type="checkbox"/>	J-67	9.23	2,842.00	2,994.46	66.06
302	<input type="checkbox"/>	J-68FH	9.23	2,839.00	2,994.14	67.22
303	<input type="checkbox"/>	J-69FH	9.23	2,839.00	2,993.69	67.03
304	<input type="checkbox"/>	J-7	9.23	2,754.00	2,930.09	76.30
305	<input type="checkbox"/>	J-70	9.23	2,837.00	2,993.13	67.65
306	<input type="checkbox"/>	J-71	9.23	2,839.50	2,993.78	66.85
307	<input type="checkbox"/>	J-73FH	9.23	2,830.00	2,991.02	69.77
308	<input type="checkbox"/>	J-74	9.23	2,843.00	2,994.03	65.44
309	<input type="checkbox"/>	J-75	9.23	2,845.00	2,994.10	64.60
310	<input type="checkbox"/>	J-76	9.23	2,849.00	2,994.19	62.91
311	<input type="checkbox"/>	J-77FH	9.23	2,914.00	3,075.55	70.00
312	<input type="checkbox"/>	J-78	9.23	2,940.00	3,076.23	59.03
313	<input type="checkbox"/>	J-79	9.23	2,842.00	2,992.02	65.01
314	<input type="checkbox"/>	J-80FH	9.23	2,940.00	3,076.18	59.01
315	<input type="checkbox"/>	J-81FH	9.23	2,841.00	2,992.61	65.69
316	<input type="checkbox"/>	J-82	9.23	2,921.00	3,075.98	67.15
317	<input type="checkbox"/>	J-83	9.23	2,760.00	2,931.20	74.18
318	<input type="checkbox"/>	J-84	9.23	2,760.00	2,983.42	96.81
319	<input type="checkbox"/>	J-85FH	9.23	2,849.50	2,995.75	63.37
320	<input type="checkbox"/>	J-86	9.23	2,851.50	2,995.74	62.50
321	<input type="checkbox"/>	J-87	9.23	2,852.00	2,996.03	62.41
322	<input type="checkbox"/>	J-88	9.23	2,854.00	2,996.24	61.63
323	<input type="checkbox"/>	J-89	9.23	2,857.00	2,996.00	60.23
324	<input type="checkbox"/>	J-8FH	9.23	2,752.00	2,930.09	77.17
325	<input type="checkbox"/>	J-9	9.23	2,757.00	2,930.68	75.25
326	<input type="checkbox"/>	J-90	9.23	2,857.00	2,996.00	60.23
327	<input type="checkbox"/>	J-91	9.23	2,857.00	2,996.07	60.26
328	<input type="checkbox"/>	J-92	9.23	2,861.00	2,996.36	58.65
329	<input type="checkbox"/>	J-93FH	9.23	2,858.00	2,996.24	59.90
330	<input type="checkbox"/>	J-94	9.23	2,857.00	2,996.54	60.46
331	<input type="checkbox"/>	J-95	9.23	2,863.50	2,996.44	57.60
332	<input type="checkbox"/>	J-956	9.23	2,847.00	3,023.57	76.51
333	<input type="checkbox"/>	J-958	9.23	2,856.00	3,025.29	73.35
334	<input type="checkbox"/>	J-96	9.23	2,863.00	2,996.44	57.82
335	<input type="checkbox"/>	J-97FH	9.23	2,936.00	3,076.09	60.70
336	<input type="checkbox"/>	J-98	9.23	2,866.75	2,996.53	56.23
337	<input type="checkbox"/>	J-99	9.23	2,866.50	2,996.52	56.34
338	<input type="checkbox"/>	J1000	9.23	2,903.00	3,076.29	75.09
339	<input type="checkbox"/>	J1002	9.23	2,892.00	3,076.28	79.85
340	<input type="checkbox"/>	J1004	9.23	2,939.00	3,076.21	59.45
341	<input type="checkbox"/>	J1006	9.23	2,937.00	3,076.21	60.32
342	<input type="checkbox"/>	J1008	9.23	2,940.00	3,076.21	59.02
343	<input type="checkbox"/>	J100FH	9.23	2,933.00	3,077.10	62.44
344	<input type="checkbox"/>	J1010	9.23	2,941.00	3,076.21	58.58
345	<input type="checkbox"/>	J1012	9.23	2,941.00	3,076.21	58.59
346	<input type="checkbox"/>	J1014	9.23	2,942.00	3,076.21	58.15
347	<input type="checkbox"/>	J1016	9.23	2,943.00	3,076.21	57.72
348	<input type="checkbox"/>	J1018	9.23	2,940.00	3,076.21	59.02
349	<input type="checkbox"/>	J1020	9.23	2,944.00	3,076.20	57.28
350	<input type="checkbox"/>	J1022	9.23	2,947.00	3,076.20	55.98

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
351	<input type="checkbox"/>	J1024	9.23	2,941.00	3,076.20	58.58
352	<input type="checkbox"/>	J1026	9.23	2,953.00	3,084.71	57.07
353	<input type="checkbox"/>	J1028	9.23	2,868.00	3,084.72	93.91
354	<input type="checkbox"/>	J102FH	9.23	2,936.00	3,076.05	60.68
355	<input type="checkbox"/>	J1030	9.23	2,890.00	3,084.72	84.37
356	<input type="checkbox"/>	J1032	9.23	2,873.00	3,084.72	91.74
357	<input type="checkbox"/>	J1034	9.23	2,915.00	3,084.71	73.54
358	<input type="checkbox"/>	J1036	9.23	2,761.00	2,931.84	74.02
359	<input type="checkbox"/>	J1038	9.23	2,764.00	2,931.95	72.77
360	<input type="checkbox"/>	J1040	9.23	2,764.00	2,931.87	72.74
361	<input type="checkbox"/>	J1042	9.23	2,766.00	2,931.91	71.89
362	<input type="checkbox"/>	J1044	9.23	2,768.00	2,931.89	71.01
363	<input type="checkbox"/>	J1048	9.23	3,000.00	3,154.51	66.95
364	<input type="checkbox"/>	J104FH	9.23	2,929.00	3,075.54	63.49
365	<input type="checkbox"/>	J1050	9.23	2,861.00	3,048.14	81.09
366	<input type="checkbox"/>	J1054	0.00	2,940.00	3,109.50	73.45
367	<input type="checkbox"/>	J1056	0.00	2,929.50	3,076.59	63.73
368	<input type="checkbox"/>	J1062	0.00	3,000.00	3,124.09	53.77
369	<input type="checkbox"/>	J1068	0.00	3,138.90	3,165.37	11.47
370	<input type="checkbox"/>	J106FH	9.23	2,923.00	3,075.38	66.03
371	<input type="checkbox"/>	J108FH	9.23	2,921.00	3,075.63	67.00
372	<input type="checkbox"/>	J10FH	9.23	2,845.00	3,020.80	76.18
373	<input type="checkbox"/>	J110FH	9.23	2,914.00	3,075.36	69.92
374	<input type="checkbox"/>	J112FH	9.23	2,934.00	3,076.24	61.63
375	<input type="checkbox"/>	J114FH	9.23	2,932.00	3,075.79	62.30
376	<input type="checkbox"/>	J116FH	9.23	2,925.00	3,075.22	65.09
377	<input type="checkbox"/>	J118FH	9.23	2,929.00	3,076.52	63.92
378	<input type="checkbox"/>	J12	9.23	2,845.00	3,020.92	76.22
379	<input type="checkbox"/>	J120FH	9.23	2,930.00	3,075.80	63.17
380	<input type="checkbox"/>	J122FH	9.23	2,930.00	3,075.24	62.93
381	<input type="checkbox"/>	J124FH	9.23	2,922.00	3,074.99	66.29
382	<input type="checkbox"/>	J126FH	9.23	2,899.00	3,075.50	76.48
383	<input type="checkbox"/>	J128FH	9.23	2,902.00	3,074.26	74.64
384	<input type="checkbox"/>	J130FH	9.23	2,881.00	3,075.46	84.26
385	<input type="checkbox"/>	J132FH	9.23	2,887.00	3,074.39	81.20
386	<input type="checkbox"/>	J134FH	9.23	2,894.00	3,074.00	77.99
387	<input type="checkbox"/>	J136FH	9.23	2,898.00	3,073.82	76.18
388	<input type="checkbox"/>	J138FH	9.23	2,924.00	3,073.79	64.90
389	<input type="checkbox"/>	J140FH	9.23	2,920.00	3,073.22	66.39
390	<input type="checkbox"/>	J142FH	9.23	2,923.00	3,073.19	65.08
391	<input type="checkbox"/>	J144FH	9.23	2,808.00	3,081.61	118.55
392	<input type="checkbox"/>	J146FH	9.23	2,810.00	3,081.61	117.69
393	<input type="checkbox"/>	J148FH	9.23	2,816.00	3,081.61	115.09
394	<input type="checkbox"/>	J14FH	9.23	2,845.00	3,020.61	76.09
395	<input type="checkbox"/>	J150FH	9.23	2,868.00	3,081.61	92.56
396	<input type="checkbox"/>	J152FH	9.23	2,932.00	3,072.84	61.03
397	<input type="checkbox"/>	J154FH	9.23	2,929.00	3,074.33	62.97
398	<input type="checkbox"/>	J156FH	9.23	2,929.00	3,073.89	62.78
399	<input type="checkbox"/>	J158FH	9.23	2,928.00	3,073.97	63.25
400	<input type="checkbox"/>	J16	9.23	2,849.00	3,020.59	74.35



Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
401	<input type="checkbox"/>	J160FH	9.23	2,912.00	3,070.73	68.78
402	<input type="checkbox"/>	J162FH	9.23	2,918.00	3,072.01	66.73
403	<input type="checkbox"/>	J164FH	9.23	2,911.00	3,071.68	69.62
404	<input type="checkbox"/>	J166FH	9.23	2,911.00	3,072.93	70.16
405	<input type="checkbox"/>	J168FH	9.23	2,905.00	3,073.20	72.88
406	<input type="checkbox"/>	J170FH	9.23	2,882.00	3,073.44	82.95
407	<input type="checkbox"/>	J172FH	9.23	2,884.00	3,072.94	81.87
408	<input type="checkbox"/>	J174FH	9.23	2,877.00	3,072.39	84.66
409	<input type="checkbox"/>	J176FH	9.23	2,881.00	3,072.04	82.78
410	<input type="checkbox"/>	J178FH	9.23	2,888.00	3,071.67	79.58
411	<input type="checkbox"/>	J180FH	9.23	2,880.00	3,071.41	82.94
412	<input type="checkbox"/>	J182FH	9.23	2,863.00	3,071.36	90.28
413	<input type="checkbox"/>	J184FH	9.23	2,863.00	3,069.81	89.61
414	<input type="checkbox"/>	J186	9.23	2,788.00	2,930.55	61.77
415	<input type="checkbox"/>	J188FH	9.23	2,775.00	2,930.55	67.40
416	<input type="checkbox"/>	J18FH	9.23	2,844.00	3,020.58	76.51
417	<input type="checkbox"/>	J190FH	9.23	2,893.00	3,070.27	76.81
418	<input type="checkbox"/>	J192FH	9.23	2,766.00	2,930.55	71.30
419	<input type="checkbox"/>	J194FH	9.23	2,780.00	2,930.55	65.23
420	<input type="checkbox"/>	J196FH	9.23	2,763.00	2,930.57	72.61
421	<input type="checkbox"/>	J198FH	9.23	2,776.00	2,930.56	66.97
422	<input type="checkbox"/>	J200FH	9.23	2,783.00	2,930.63	63.97
423	<input type="checkbox"/>	J202FH	9.23	2,760.00	2,930.68	73.96
424	<input type="checkbox"/>	J204FH	9.23	2,777.00	2,930.76	66.62
425	<input type="checkbox"/>	J206FH	9.23	2,889.00	3,070.47	78.63
426	<input type="checkbox"/>	J208FH	9.23	2,879.00	3,070.20	82.85
427	<input type="checkbox"/>	J20FH	9.23	2,850.00	3,020.58	73.91
428	<input type="checkbox"/>	J210FH	9.23	2,892.00	3,070.23	77.23
429	<input type="checkbox"/>	J212FH	9.23	2,881.00	3,070.01	81.90
430	<input type="checkbox"/>	J214FH	9.23	2,738.00	2,930.80	83.54
431	<input type="checkbox"/>	J216FH	9.23	2,743.00	2,930.97	81.45
432	<input type="checkbox"/>	J218FH	9.23	2,722.00	2,930.87	90.51
433	<input type="checkbox"/>	J22	9.23	2,852.00	3,020.58	73.05
434	<input type="checkbox"/>	J220FH	9.23	2,725.00	2,930.88	89.21
435	<input type="checkbox"/>	J222FH	9.23	2,732.00	2,930.89	86.18
436	<input type="checkbox"/>	J224	9.23	2,730.00	2,930.88	87.04
437	<input type="checkbox"/>	J226FH	9.23	2,736.00	2,930.88	84.44
438	<input type="checkbox"/>	J228FH	9.23	2,738.00	2,930.79	83.53
439	<input type="checkbox"/>	J230FH	9.23	2,747.00	2,931.23	79.83
440	<input type="checkbox"/>	J232FH	9.23	2,723.00	2,930.15	89.76
441	<input type="checkbox"/>	J234FH	9.23	2,728.00	2,930.15	87.59
442	<input type="checkbox"/>	J236FH	9.23	2,738.00	2,930.63	83.47
443	<input type="checkbox"/>	J238FH	9.23	2,745.00	2,931.09	80.63
444	<input type="checkbox"/>	J240FH	9.23	2,720.00	2,930.06	91.02
445	<input type="checkbox"/>	J242FH	9.23	2,742.00	2,930.75	81.79
446	<input type="checkbox"/>	J244FH	9.23	2,755.00	2,986.03	100.10
447	<input type="checkbox"/>	J246FH	9.23	2,835.00	3,014.28	77.68
448	<input type="checkbox"/>	J248FH	9.23	2,740.00	2,930.20	82.41
449	<input type="checkbox"/>	J24FH	9.23	2,842.00	3,020.58	77.38
450	<input type="checkbox"/>	J250FH	9.23	2,749.00	2,930.96	78.84

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
451	<input type="checkbox"/>	J252FH	9.23	2,743.00	2,930.86	81.40
452	<input type="checkbox"/>	J254FH	9.23	2,743.00	2,930.84	81.39
453	<input type="checkbox"/>	J256FH	9.23	2,804.00	2,992.48	81.67
454	<input type="checkbox"/>	J258FH	9.23	2,778.00	2,992.11	92.77
455	<input type="checkbox"/>	J260FH	9.23	2,797.00	2,991.26	84.17
456	<input type="checkbox"/>	J262FH	9.23	2,796.00	2,990.19	84.14
457	<input type="checkbox"/>	J264FH	9.23	2,799.00	2,989.69	82.62
458	<input type="checkbox"/>	J266FH	9.23	2,812.00	2,993.09	78.47
459	<input type="checkbox"/>	J268FH	9.23	2,810.00	2,992.76	79.19
460	<input type="checkbox"/>	J26FH	9.23	2,849.00	3,020.58	74.35
461	<input type="checkbox"/>	J270FH	9.23	2,807.00	2,991.81	80.08
462	<input type="checkbox"/>	J272FH	9.23	2,824.00	2,994.63	73.93
463	<input type="checkbox"/>	J274FH	9.23	2,804.00	2,994.81	82.68
464	<input type="checkbox"/>	J276FH	9.23	2,818.00	2,993.15	75.89
465	<input type="checkbox"/>	J278FH	9.23	2,824.00	2,993.94	73.63
466	<input type="checkbox"/>	J28	9.23	2,922.00	3,076.92	67.13
467	<input type="checkbox"/>	J280FH	9.23	2,819.00	2,993.84	75.76
468	<input type="checkbox"/>	J282FH	9.23	2,841.00	2,995.92	67.13
469	<input type="checkbox"/>	J284FH	9.23	2,843.00	2,995.88	66.24
470	<input type="checkbox"/>	J286FH	9.23	2,844.00	2,995.92	65.83
471	<input type="checkbox"/>	J288FH	9.23	2,849.00	2,996.05	63.72
472	<input type="checkbox"/>	J290FH	9.23	2,794.00	2,985.16	82.83
473	<input type="checkbox"/>	J292FH	9.23	2,856.00	2,995.26	60.34
474	<input type="checkbox"/>	J294FH	9.23	2,845.00	2,994.08	64.60
475	<input type="checkbox"/>	J296FH	9.23	2,843.00	2,994.22	65.52
476	<input type="checkbox"/>	J298FH	9.23	2,852.00	2,996.18	62.47
477	<input type="checkbox"/>	J300FH	9.23	2,875.00	3,007.99	57.63
478	<input type="checkbox"/>	J302FH	9.23	2,871.00	3,004.70	57.93
479	<input type="checkbox"/>	J304FH	9.23	2,872.00	3,002.76	56.66
480	<input type="checkbox"/>	J306FH	9.23	2,864.00	2,996.53	57.43
481	<input type="checkbox"/>	J308FH	9.23	2,858.00	2,996.46	59.99
482	<input type="checkbox"/>	J310FH	9.23	2,752.00	2,931.29	77.69
483	<input type="checkbox"/>	J312FH	9.23	2,739.00	2,929.85	82.69
484	<input type="checkbox"/>	J314FH	9.23	2,743.00	2,930.64	81.30
485	<input type="checkbox"/>	J316FH	9.23	2,734.00	2,930.32	85.07
486	<input type="checkbox"/>	J318FH	9.23	2,720.00	2,929.94	90.97
487	<input type="checkbox"/>	J320FH	9.23	2,716.00	2,929.83	92.65
488	<input type="checkbox"/>	J322FH	9.23	2,721.00	2,929.82	90.48
489	<input type="checkbox"/>	J324FH	9.23	2,727.00	2,929.86	87.90
490	<input type="checkbox"/>	J326FH	9.23	2,729.00	2,929.76	86.99
491	<input type="checkbox"/>	J328FH	9.23	2,736.00	2,929.56	83.87
492	<input type="checkbox"/>	J330FH	9.23	2,727.00	2,929.54	87.76
493	<input type="checkbox"/>	J332FH	9.23	2,736.00	2,929.59	83.88
494	<input type="checkbox"/>	J334FH	9.23	2,739.00	2,929.67	82.62
495	<input type="checkbox"/>	J336FH	9.23	2,733.00	2,930.22	85.45
496	<input type="checkbox"/>	J338FH	9.23	2,725.00	2,929.67	88.68
497	<input type="checkbox"/>	J340FH	9.23	2,739.00	2,930.22	82.85
498	<input type="checkbox"/>	J342FH	9.23	2,728.00	2,929.92	87.49
499	<input type="checkbox"/>	J344FH	9.23	2,736.00	2,930.22	84.15
500	<input type="checkbox"/>	J346FH	9.23	2,740.00	2,930.22	82.42

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
501	<input type="checkbox"/>	J348FH	9.23	2,746.00	2,930.47	79.93
502	<input type="checkbox"/>	J34FH	9.23	2,922.00	3,077.48	67.37
503	<input type="checkbox"/>	J350FH	9.23	2,746.00	2,930.49	79.94
504	<input type="checkbox"/>	J352FH	9.23	2,735.00	2,930.09	84.53
505	<input type="checkbox"/>	J354FH	9.23	2,749.00	2,930.68	78.72
506	<input type="checkbox"/>	J356FH	9.23	2,721.00	2,930.08	90.59
507	<input type="checkbox"/>	J358FH	9.23	2,733.00	2,930.11	85.41
508	<input type="checkbox"/>	J36	9.23	2,906.00	3,072.71	72.23
509	<input type="checkbox"/>	J360FH	9.23	2,705.00	2,929.09	97.10
510	<input type="checkbox"/>	J362FH	9.23	2,705.00	2,929.25	97.17
511	<input type="checkbox"/>	J364FH	9.23	2,718.00	2,929.47	91.63
512	<input type="checkbox"/>	J366FH	9.23	2,721.00	2,929.47	90.33
513	<input type="checkbox"/>	J368FH	9.23	2,717.00	2,929.45	92.05
514	<input type="checkbox"/>	J370FH	9.23	2,731.00	2,929.53	86.02
515	<input type="checkbox"/>	J372FH	9.23	2,731.00	2,929.55	86.03
516	<input type="checkbox"/>	J374FH	9.23	2,704.00	2,929.60	97.75
517	<input type="checkbox"/>	J376FH	9.23	2,705.00	2,929.63	97.33
518	<input type="checkbox"/>	J380FH	9.23	2,947.00	3,076.18	55.98
519	<input type="checkbox"/>	J382FH	9.23	2,948.00	3,076.18	55.54
520	<input type="checkbox"/>	J384FH	9.23	2,945.00	3,076.18	56.84
521	<input type="checkbox"/>	J388	9.23	2,946.00	3,076.18	56.41
522	<input type="checkbox"/>	J38FH	9.23	2,913.00	3,070.90	68.42
523	<input type="checkbox"/>	J392	9.23	2,952.00	3,076.18	53.81
524	<input type="checkbox"/>	J394	9.23	2,945.00	3,076.18	56.84
525	<input type="checkbox"/>	J396	9.23	2,942.00	3,076.19	58.15
526	<input type="checkbox"/>	J398FH	9.23	2,943.00	3,076.19	57.71
527	<input type="checkbox"/>	J40	9.23	2,916.00	3,071.21	67.25
528	<input type="checkbox"/>	J400	9.23	2,902.00	3,076.04	75.41
529	<input type="checkbox"/>	J402FH	9.23	2,912.00	3,075.96	71.04
530	<input type="checkbox"/>	J404FH	9.23	2,917.00	3,075.90	68.85
531	<input type="checkbox"/>	J406FH	9.23	2,921.00	3,076.02	67.17
532	<input type="checkbox"/>	J408	9.23	2,918.00	3,076.02	68.47
533	<input type="checkbox"/>	J410FH	9.23	2,922.00	3,076.01	66.73
534	<input type="checkbox"/>	J412FH	9.23	2,929.00	3,076.01	63.70
535	<input type="checkbox"/>	J414	9.23	2,928.00	3,077.60	64.82
536	<input type="checkbox"/>	J416FH	9.23	2,928.00	3,078.13	65.05
537	<input type="checkbox"/>	J418FH	9.23	2,926.00	3,078.13	65.92
538	<input type="checkbox"/>	J420FH	9.23	2,918.00	3,078.32	69.46
539	<input type="checkbox"/>	J422FH	9.23	2,928.00	3,077.91	64.96
540	<input type="checkbox"/>	J424FH	9.23	2,928.00	3,077.87	64.94
541	<input type="checkbox"/>	J426FH	9.23	2,927.00	3,077.85	65.36
542	<input type="checkbox"/>	J42FH	9.23	2,919.00	3,071.21	65.95
543	<input type="checkbox"/>	J430	9.23	2,923.00	3,078.30	67.29
544	<input type="checkbox"/>	J432	9.23	2,924.00	3,078.29	66.85
545	<input type="checkbox"/>	J434FH	9.23	2,926.00	3,078.30	65.99
546	<input type="checkbox"/>	J436	9.23	2,922.00	3,078.29	67.72
547	<input type="checkbox"/>	J438	9.23	2,923.00	3,078.29	67.29
548	<input type="checkbox"/>	J440FH	9.23	2,925.00	3,077.84	66.23
549	<input type="checkbox"/>	J442FH	9.23	2,926.00	3,077.97	65.85
550	<input type="checkbox"/>	J444FH	9.23	2,930.00	3,077.30	63.83

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
551	<input type="checkbox"/>	J446	9.23	2,909.00	3,078.85	73.59
552	<input type="checkbox"/>	J448	9.23	2,923.00	3,078.32	67.30
553	<input type="checkbox"/>	J44FH	9.23	2,918.00	3,070.89	66.25
554	<input type="checkbox"/>	J450FH	9.23	2,918.00	3,076.45	68.66
555	<input type="checkbox"/>	J452FH	9.23	2,915.00	3,076.26	69.87
556	<input type="checkbox"/>	J454	9.23	2,841.00	2,994.23	66.39
557	<input type="checkbox"/>	J456FH	9.23	2,706.00	2,928.96	96.61
558	<input type="checkbox"/>	J458FH	9.23	2,709.00	2,928.96	95.31
559	<input type="checkbox"/>	J46	9.23	2,896.00	3,070.67	75.69
560	<input type="checkbox"/>	J460FH	9.23	2,713.00	2,928.96	93.57
561	<input type="checkbox"/>	J462FH	9.23	2,713.00	2,928.97	93.58
562	<input type="checkbox"/>	J464	9.23	2,711.00	2,928.97	94.44
563	<input type="checkbox"/>	J466	9.23	2,707.00	2,928.96	96.17
564	<input type="checkbox"/>	J468	9.23	2,712.00	2,928.96	94.01
565	<input type="checkbox"/>	J470	9.23	2,712.00	2,929.00	94.02
566	<input type="checkbox"/>	J472	9.23	2,712.00	2,928.96	94.01
567	<input type="checkbox"/>	J474	9.23	2,712.00	2,928.97	94.01
568	<input type="checkbox"/>	J476	9.23	2,815.00	3,084.61	116.82
569	<input type="checkbox"/>	J478FH	9.23	2,816.00	3,084.61	116.39
570	<input type="checkbox"/>	J48	9.23	2,900.00	3,070.28	73.78
571	<input type="checkbox"/>	J480FH	9.23	2,796.00	3,084.63	125.06
572	<input type="checkbox"/>	J482FH	9.23	2,796.00	3,084.65	125.07
573	<input type="checkbox"/>	J484FH	9.23	2,811.00	3,084.68	118.59
574	<input type="checkbox"/>	J486FH	9.23	2,840.00	3,084.72	106.04
575	<input type="checkbox"/>	J488FH	9.23	2,820.00	3,084.71	114.70
576	<input type="checkbox"/>	J490FH	9.23	2,818.00	3,084.71	115.57
577	<input type="checkbox"/>	J492FH	9.23	2,820.00	3,084.71	114.70
578	<input type="checkbox"/>	J494FH	9.23	2,818.00	3,084.71	115.57
579	<input type="checkbox"/>	J496FH	9.23	2,815.00	3,084.72	116.87
580	<input type="checkbox"/>	J500FH	9.23	2,823.00	3,084.72	113.41
581	<input type="checkbox"/>	J508FH	9.23	2,847.00	3,084.73	103.01
582	<input type="checkbox"/>	J50FH	9.23	2,695.00	2,929.60	101.65
583	<input type="checkbox"/>	J510FH	9.23	2,856.00	3,084.73	99.11
584	<input type="checkbox"/>	J512	9.23	2,872.00	3,084.73	92.18
585	<input type="checkbox"/>	J514FH	9.23	2,869.00	3,084.74	93.48
586	<input type="checkbox"/>	J516	9.23	2,867.00	3,084.75	94.35
587	<input type="checkbox"/>	J518FH	9.23	2,865.00	3,084.77	95.22
588	<input type="checkbox"/>	J52	9.23	2,742.00	2,930.22	81.56
589	<input type="checkbox"/>	J522FH	9.23	2,824.00	3,084.73	112.97
590	<input type="checkbox"/>	J524	9.23	2,815.00	3,084.72	116.87
591	<input type="checkbox"/>	J526FH	9.23	2,840.00	3,084.74	106.04
592	<input type="checkbox"/>	J528FH	9.23	2,854.00	3,084.75	99.98
593	<input type="checkbox"/>	J532FH	9.23	2,858.00	3,084.78	98.26
594	<input type="checkbox"/>	J534	9.23	2,860.00	3,084.79	97.40
595	<input type="checkbox"/>	J54	9.23	2,738.00	2,930.22	83.29
596	<input type="checkbox"/>	J540	9.23	2,927.00	3,077.91	65.39
597	<input type="checkbox"/>	J546	9.23	2,760.00	3,109.45	151.42
598	<input type="checkbox"/>	J548	9.23	2,760.00	3,099.40	147.06
599	<input type="checkbox"/>	J550	9.23	2,760.00	3,083.33	140.10
600	<input type="checkbox"/>	J552	9.23	2,760.00	3,078.90	138.18

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
601	<input type="checkbox"/>	J554	9.23	2,760.00	3,030.48	117.20
602	<input type="checkbox"/>	J556	9.23	2,760.00	3,067.09	133.06
603	<input type="checkbox"/>	J558	9.23	2,760.00	3,096.16	145.66
604	<input type="checkbox"/>	J560	9.23	2,875.00	3,065.55	82.57
605	<input type="checkbox"/>	J562	9.23	2,865.00	3,066.44	87.28
606	<input type="checkbox"/>	J564	9.23	2,820.00	2,991.00	74.09
607	<input type="checkbox"/>	J566FH	9.23	2,922.00	3,076.69	67.03
608	<input type="checkbox"/>	J568FH	9.23	2,928.00	3,076.59	64.39
609	<input type="checkbox"/>	J56FH	9.23	2,740.00	2,929.91	82.29
610	<input type="checkbox"/>	J570FH	9.23	2,929.00	3,076.59	63.95
611	<input type="checkbox"/>	J572	9.23	2,939.00	3,076.45	59.56
612	<input type="checkbox"/>	J574	9.23	2,937.00	3,076.49	60.44
613	<input type="checkbox"/>	J576	9.23	2,942.00	3,076.41	58.24
614	<input type="checkbox"/>	J578	9.23	2,940.00	3,076.42	59.11
615	<input type="checkbox"/>	J580FH	9.23	2,939.00	3,076.42	59.54
616	<input type="checkbox"/>	J582	9.23	2,922.00	3,076.67	67.02
617	<input type="checkbox"/>	J584FH	9.23	2,842.00	3,084.74	105.18
618	<input type="checkbox"/>	J586	9.23	2,865.00	3,084.75	95.22
619	<input type="checkbox"/>	J588	9.23	2,857.00	3,084.77	98.69
620	<input type="checkbox"/>	J58FH	9.23	2,734.00	2,929.80	84.84
621	<input type="checkbox"/>	J590FH	9.23	2,833.00	3,084.74	109.08
622	<input type="checkbox"/>	J594FH	9.23	2,826.00	3,084.74	112.11
623	<input type="checkbox"/>	J596FH	9.23	2,803.00	3,084.71	122.07
624	<input type="checkbox"/>	J60	9.23	2,728.00	2,929.76	87.42
625	<input type="checkbox"/>	J600FH	9.23	2,846.00	3,084.74	103.45
626	<input type="checkbox"/>	J602	9.23	2,846.00	3,084.74	103.45
627	<input type="checkbox"/>	J604	9.23	2,945.00	3,076.34	56.91
628	<input type="checkbox"/>	J606FH	9.23	2,950.00	3,076.26	54.71
629	<input type="checkbox"/>	J608	9.23	2,943.00	3,076.34	57.78
630	<input type="checkbox"/>	J610FH	9.23	2,936.00	3,076.55	60.90
631	<input type="checkbox"/>	J612FH	9.23	2,931.00	3,076.62	63.10
632	<input type="checkbox"/>	J614	9.23	2,931.00	3,076.57	63.08
633	<input type="checkbox"/>	J616	9.23	2,933.00	3,076.56	62.20
634	<input type="checkbox"/>	J618	9.23	3,143.00	3,300.99	68.46
635	<input type="checkbox"/>	J62	9.23	2,723.00	2,929.76	89.59
636	<input type="checkbox"/>	J620	9.23	2,865.00	2,996.52	56.99
637	<input type="checkbox"/>	J622FH	9.23	2,826.00	3,005.94	77.97
638	<input type="checkbox"/>	J624FH	9.23	2,835.00	3,005.93	74.06
639	<input type="checkbox"/>	J626FH	9.23	2,805.00	3,001.62	85.20
640	<input type="checkbox"/>	J630FH	9.23	2,825.00	3,005.92	78.39
641	<input type="checkbox"/>	J634FH	9.23	2,831.00	3,005.92	75.79
642	<input type="checkbox"/>	J638FH	9.23	2,790.00	2,999.77	90.89
643	<input type="checkbox"/>	J64	9.23	2,742.00	2,929.62	81.30
644	<input type="checkbox"/>	J640FH	9.23	2,930.00	3,076.56	63.50
645	<input type="checkbox"/>	J642FH	9.23	2,929.00	3,076.58	63.95
646	<input type="checkbox"/>	J646FH	9.23	2,934.00	3,076.56	61.77
647	<input type="checkbox"/>	J648FH	9.23	2,799.00	2,930.55	57.00
648	<input type="checkbox"/>	J650FH	9.23	2,790.00	2,930.55	60.90
649	<input type="checkbox"/>	J652FH	9.23	2,774.00	2,930.55	67.83
650	<input type="checkbox"/>	J654FH	9.23	2,772.00	2,930.53	68.69

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
651	<input type="checkbox"/>	J656FH	9.23	2,779.00	2,930.53	65.66
652	<input type="checkbox"/>	J658FH	9.23	2,784.00	2,930.54	63.49
653	<input type="checkbox"/>	J660FH	9.23	2,774.00	2,930.53	67.82
654	<input type="checkbox"/>	J662FH	9.23	2,765.00	2,930.53	71.72
655	<input type="checkbox"/>	J664FH	9.23	2,784.00	2,930.53	63.49
656	<input type="checkbox"/>	J666FH	9.23	2,792.00	2,930.54	60.03
657	<input type="checkbox"/>	J668	9.23	2,805.00	2,930.53	54.39
658	<input type="checkbox"/>	J66FH	9.23	2,733.00	2,929.51	85.15
659	<input type="checkbox"/>	J670	9.23	2,746.42	2,930.94	79.95
660	<input type="checkbox"/>	J672FH	9.23	2,747.00	2,930.94	79.70
661	<input type="checkbox"/>	J674	9.23	2,931.48	3,076.17	62.70
662	<input type="checkbox"/>	J676FH	9.23	2,935.42	3,076.17	60.99
663	<input type="checkbox"/>	J678FH	9.23	2,934.28	3,076.17	61.48
664	<input type="checkbox"/>	J680FH	9.23	2,931.09	3,076.17	62.86
665	<input type="checkbox"/>	J682	9.23	2,926.25	3,076.17	64.96
666	<input type="checkbox"/>	J684FH	9.23	2,930.42	3,076.17	63.15
667	<input type="checkbox"/>	J686FH	9.23	2,929.00	3,076.17	63.77
668	<input type="checkbox"/>	J688	9.23	2,924.95	3,076.17	65.52
669	<input type="checkbox"/>	J68FH	9.23	2,743.00	2,929.48	80.80
670	<input type="checkbox"/>	J690	9.23	2,925.00	3,076.17	65.50
671	<input type="checkbox"/>	J692FH	9.23	2,932.10	3,076.17	62.42
672	<input type="checkbox"/>	J694	9.23	2,923.00	3,076.17	66.37
673	<input type="checkbox"/>	J696	9.23	2,935.00	3,076.28	61.22
674	<input type="checkbox"/>	J698	9.23	2,929.52	3,076.23	63.57
675	<input type="checkbox"/>	J700FH	9.23	2,936.95	3,076.23	60.35
676	<input type="checkbox"/>	J702	9.23	2,925.68	3,076.18	65.21
677	<input type="checkbox"/>	J704FH	9.23	2,926.37	3,076.18	64.91
678	<input type="checkbox"/>	J706FH	9.23	2,934.71	3,076.18	61.30
679	<input type="checkbox"/>	J708FH	9.23	2,930.45	3,076.23	63.17
680	<input type="checkbox"/>	J70FH	9.23	2,731.00	2,929.52	86.02
681	<input type="checkbox"/>	J710FH	9.23	2,935.73	3,076.27	60.90
682	<input type="checkbox"/>	J712	9.23	2,721.80	2,930.15	90.28
683	<input type="checkbox"/>	J714FH	9.23	2,726.17	2,930.15	88.38
684	<input type="checkbox"/>	J716	9.23	2,720.00	2,930.15	91.06
685	<input type="checkbox"/>	J718FH	9.23	2,723.42	2,930.15	89.58
686	<input type="checkbox"/>	J72	9.23	2,724.00	2,930.15	89.33
687	<input type="checkbox"/>	J720FH	9.23	2,781.00	2,998.01	94.03
688	<input type="checkbox"/>	J724	9.23	2,934.00	3,076.41	61.70
689	<input type="checkbox"/>	J728	9.23	2,932.00	3,076.40	62.57
690	<input type="checkbox"/>	J730FH	9.23	2,932.00	3,076.40	62.57
691	<input type="checkbox"/>	J732	9.23	2,930.00	3,076.42	63.44
692	<input type="checkbox"/>	J736	9.23	2,922.00	3,076.52	66.95
693	<input type="checkbox"/>	J738FH	9.23	2,924.00	3,076.49	66.07
694	<input type="checkbox"/>	J74	9.23	2,911.00	3,074.26	70.74
695	<input type="checkbox"/>	J740FH	9.23	2,916.00	3,076.61	69.59
696	<input type="checkbox"/>	J742FH	9.23	2,938.00	3,076.38	59.96
697	<input type="checkbox"/>	J744	9.23	2,942.00	3,076.36	58.22
698	<input type="checkbox"/>	J746	9.23	2,944.00	3,076.21	57.29
699	<input type="checkbox"/>	J748	9.23	2,950.00	3,076.21	54.69
700	<input type="checkbox"/>	J750FH	9.23	2,941.00	3,076.21	58.58

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
701	<input type="checkbox"/>	J752	9.23	2,946.00	3,076.20	56.42
702	<input type="checkbox"/>	J754	9.23	2,944.00	3,076.21	57.29
703	<input type="checkbox"/>	J756	9.23	2,948.00	3,076.26	55.57
704	<input type="checkbox"/>	J758	9.23	2,952.00	3,076.26	53.84
705	<input type="checkbox"/>	J76	9.23	2,886.00	3,074.55	81.70
706	<input type="checkbox"/>	J774	9.23	2,738.00	2,929.52	82.99
707	<input type="checkbox"/>	J776	9.23	2,736.00	2,929.52	83.85
708	<input type="checkbox"/>	J778	9.23	2,771.00	2,930.53	69.13
709	<input type="checkbox"/>	J780	9.23	2,770.00	2,930.53	69.56
710	<input type="checkbox"/>	J782	9.23	2,812.00	2,994.64	79.14
711	<input type="checkbox"/>	J784FH	9.23	2,774.00	2,930.54	67.83
712	<input type="checkbox"/>	J786FH	9.23	2,781.00	2,997.75	93.92
713	<input type="checkbox"/>	J788FH	9.23	2,921.00	3,075.98	67.15
714	<input type="checkbox"/>	J78FH	9.23	2,932.00	3,075.81	62.31
715	<input type="checkbox"/>	J790FH	9.23	2,926.00	3,076.44	65.18
716	<input type="checkbox"/>	J792	9.23	2,943.00	3,076.22	57.73
717	<input type="checkbox"/>	J794	9.23	2,907.00	3,077.53	73.89
718	<input type="checkbox"/>	J796	9.23	2,889.00	3,076.28	81.15
719	<input type="checkbox"/>	J802	9.23	2,774.00	2,930.55	67.83
720	<input type="checkbox"/>	J804	9.23	2,799.00	3,084.60	123.75
721	<input type="checkbox"/>	J80FH	9.23	2,925.00	3,075.23	65.09
722	<input type="checkbox"/>	J814	9.23	2,981.00	3,147.86	72.30
723	<input type="checkbox"/>	J816	9.23	2,963.00	3,076.25	49.07
724	<input type="checkbox"/>	J818	9.23	2,954.00	3,076.25	52.97
725	<input type="checkbox"/>	J82FH	9.23	2,917.00	3,074.65	68.31
726	<input type="checkbox"/>	J838	9.23	3,004.53	3,154.46	64.97
727	<input type="checkbox"/>	J84FH	9.23	2,922.00	3,074.65	66.14
728	<input type="checkbox"/>	J86	9.23	2,925.00	3,075.22	65.09
729	<input type="checkbox"/>	J88	9.23	2,916.00	3,073.33	68.17
730	<input type="checkbox"/>	J90	9.23	2,922.00	3,075.22	66.39
731	<input type="checkbox"/>	J92FH	9.23	2,948.00	3,076.52	55.69
732	<input type="checkbox"/>	J942	9.23	2,907.00	3,076.45	73.42
733	<input type="checkbox"/>	J946	9.23	2,983.37	3,150.38	72.36
734	<input type="checkbox"/>	J948	9.23	2,946.00	3,109.50	70.85
735	<input type="checkbox"/>	J94FH	9.23	2,950.00	3,076.21	54.69
736	<input type="checkbox"/>	J954	9.23	2,847.00	3,022.70	76.13
737	<input type="checkbox"/>	J960	9.23	2,851.00	3,024.14	75.02
738	<input type="checkbox"/>	J962	9.23	2,855.00	3,024.98	73.65
739	<input type="checkbox"/>	J964	9.23	2,861.00	3,026.14	71.56
740	<input type="checkbox"/>	J966	9.23	2,861.00	3,026.93	71.90
741	<input type="checkbox"/>	J968	9.23	2,915.00	3,076.79	70.10
742	<input type="checkbox"/>	J96FH	9.23	2,941.00	3,076.40	58.67
743	<input type="checkbox"/>	J970	9.23	2,924.00	3,076.67	66.15
744	<input type="checkbox"/>	J972	9.23	2,917.00	3,076.96	69.31
745	<input type="checkbox"/>	J974	9.23	2,919.00	3,076.79	68.37
746	<input type="checkbox"/>	J976	9.23	2,926.00	3,076.67	65.28
747	<input type="checkbox"/>	J978	9.23	2,934.00	3,078.61	62.66
748	<input type="checkbox"/>	J980	9.23	2,934.00	3,078.50	62.61
749	<input type="checkbox"/>	J982	9.23	2,928.00	3,078.25	65.10
750	<input type="checkbox"/>	J984	9.23	2,944.00	3,089.78	63.17

Peak Instantaneous Demand

		ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
751	<input type="checkbox"/>	J986	9.23	2,923.00	3,081.88	68.84
752	<input type="checkbox"/>	J988	9.23	2,921.00	3,079.23	68.56
753	<input type="checkbox"/>	J98FH	9.23	2,936.00	3,076.86	61.04
754	<input type="checkbox"/>	J990	9.23	2,916.00	3,078.10	70.24
755	<input type="checkbox"/>	J992	9.23	2,923.00	3,077.59	66.98
756	<input type="checkbox"/>	J994	9.23	2,946.00	3,109.91	71.02
757	<input type="checkbox"/>	J996	9.23	2,910.00	3,076.42	72.11
758	<input type="checkbox"/>	J998	9.23	2,908.00	3,076.27	72.91



Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
1	<input type="checkbox"/>	J-100FH	51.73	2,995.39	1,250.00	48.14	4,018.22
2	<input type="checkbox"/>	J-102FH	86.00	3,066.48	1,250.00	77.72	6,622.10
3	<input type="checkbox"/>	J-103FH	84.81	3,066.72	1,250.00	76.22	5,765.79
4	<input type="checkbox"/>	J-105FH	83.15	3,066.89	1,250.00	74.52	5,453.24
5	<input type="checkbox"/>	J-106FH	81.71	3,065.58	1,250.00	72.60	6,058.99
6	<input type="checkbox"/>	J-107FH	57.80	3,069.40	1,250.00	49.85	3,764.46
7	<input type="checkbox"/>	J-109FH	83.09	3,066.76	1,250.00	74.69	5,679.39
8	<input type="checkbox"/>	J-10FH	82.80	2,932.09	1,250.00	76.98	4,155.00
9	<input type="checkbox"/>	J-110	81.41	3,066.89	1,250.00	71.58	4,504.34
10	<input type="checkbox"/>	J-111	72.62	3,067.10	1,250.00	63.26	4,254.65
11	<input type="checkbox"/>	J-112	81.50	3,067.09	1,250.00	19.05	1,247.42
12	<input type="checkbox"/>	J-113	79.16	3,067.69	1,250.00	71.54	5,784.80
13	<input type="checkbox"/>	J-115	79.04	3,067.42	1,250.00	58.45	2,374.33
14	<input type="checkbox"/>	J-116FH	81.07	3,068.09	1,250.00	73.81	6,109.61
15	<input type="checkbox"/>	J-117	73.89	3,067.53	1,250.00	66.38	5,615.20
16	<input type="checkbox"/>	J-118FH	76.57	3,067.72	1,250.00	69.42	6,134.48
17	<input type="checkbox"/>	J-119FH	77.52	3,067.91	1,250.00	68.70	4,658.88
18	<input type="checkbox"/>	J-11FH	83.08	2,931.73	1,250.00	76.43	3,983.18
19	<input type="checkbox"/>	J-12	72.54	2,933.41	1,250.00	70.12	4,573.51
20	<input type="checkbox"/>	J-120	78.46	3,068.07	1,250.00	70.62	5,417.31
21	<input type="checkbox"/>	J-121	82.43	3,068.23	1,250.00	75.31	6,305.91
22	<input type="checkbox"/>	J-122FH	81.59	3,068.30	1,250.00	74.68	6,495.11
23	<input type="checkbox"/>	J-123	85.89	3,068.23	1,250.00	66.03	2,577.70
24	<input type="checkbox"/>	J-124	76.31	3,068.10	1,250.00	66.20	3,964.05
25	<input type="checkbox"/>	J-125	76.31	3,068.10	1,250.00	61.93	2,941.61
26	<input type="checkbox"/>	J-126FH	72.48	3,068.28	1,250.00	65.88	6,232.66
27	<input type="checkbox"/>	J-127	72.49	3,068.30	1,250.00	64.93	5,237.13
28	<input type="checkbox"/>	J-128FH	58.23	3,069.40	1,250.00	50.26	3,781.18
29	<input type="checkbox"/>	J-129	73.26	3,068.08	1,250.00	66.29	5,852.70
30	<input type="checkbox"/>	J-131FH	72.33	3,067.92	1,250.00	65.36	5,840.20
31	<input type="checkbox"/>	J-132FH	62.55	3,069.36	1,250.00	52.58	3,299.41
32	<input type="checkbox"/>	J-133FH	71.41	3,067.80	1,250.00	64.80	6,381.23
33	<input type="checkbox"/>	J-134FH	61.69	3,069.36	1,250.00	47.37	2,451.24
34	<input type="checkbox"/>	J-135	70.49	3,067.69	1,250.00	63.86	6,350.92
35	<input type="checkbox"/>	J-136FH	68.26	3,067.53	1,250.00	61.42	5,928.19

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
36	<input type="checkbox"/>	J-137	72.14	3,067.49	1,250.00	64.18	5,065.44
37	<input type="checkbox"/>	J-138FH	71.71	3,067.49	1,250.00	49.06	2,059.40
38	<input type="checkbox"/>	J-139FH	82.52	3,067.44	1,250.00	74.33	5,533.45
39	<input type="checkbox"/>	J-140	78.79	3,066.85	1,250.00	69.33	4,491.07
40	<input type="checkbox"/>	J-141FH	72.29	3,066.84	1,250.00	43.59	1,790.13
41	<input type="checkbox"/>	J-142	78.78	3,066.81	1,250.00	69.96	4,993.10
42	<input type="checkbox"/>	J-143FH	76.59	3,066.76	1,250.00	69.33	6,682.80
43	<input type="checkbox"/>	J-144FH	73.36	3,066.31	1,250.00	65.27	5,933.36
44	<input type="checkbox"/>	J-145FH	76.72	3,066.05	1,250.00	68.21	5,948.47
45	<input type="checkbox"/>	J-147FH	75.90	3,066.17	1,250.00	67.32	5,507.36
46	<input type="checkbox"/>	J-149FH	69.94	3,066.42	1,250.00	61.91	5,567.47
47	<input type="checkbox"/>	J-14FH	79.25	2,932.91	1,250.00	72.39	3,943.79
48	<input type="checkbox"/>	J-151FH	75.14	3,066.40	1,250.00	66.58	5,389.97
49	<input type="checkbox"/>	J-153FH	75.29	3,066.25	1,250.00	65.85	4,633.39
50	<input type="checkbox"/>	J-156FH	74.67	3,066.34	1,250.00	65.23	4,566.15
51	<input type="checkbox"/>	J-158FH	72.11	3,066.41	1,250.00	62.38	4,212.04
52	<input type="checkbox"/>	J-15FH	77.95	2,932.90	1,250.00	53.27	2,024.80
53	<input type="checkbox"/>	J-160FH	70.62	3,066.49	1,250.00	61.41	4,419.26
54	<input type="checkbox"/>	J-161FH	73.43	3,066.47	1,250.00	63.41	4,132.84
55	<input type="checkbox"/>	J-162FH	80.74	3,066.33	1,250.00	63.03	2,727.78
56	<input type="checkbox"/>	J-164FH	67.94	3,066.79	1,250.00	60.53	5,943.87
57	<input type="checkbox"/>	J-165FH	65.84	3,066.94	1,250.00	58.40	5,535.77
58	<input type="checkbox"/>	J-167FH	68.65	3,067.43	1,250.00	62.02	6,559.27
59	<input type="checkbox"/>	J-168FH	65.29	3,067.67	1,250.00	58.92	6,558.09
60	<input type="checkbox"/>	J-169FH	64.28	3,069.36	1,250.00	46.45	2,188.90
61	<input type="checkbox"/>	J-16FH	126.76	2,932.55	1,250.00	99.70	2,713.44
62	<input type="checkbox"/>	J-170FH	65.87	3,069.02	1,250.00	60.64	7,996.35
63	<input type="checkbox"/>	J-173FH	63.94	3,067.57	1,250.00	56.52	5,116.95
64	<input type="checkbox"/>	J-175FH	66.70	3,068.93	1,250.00	58.91	4,691.25
65	<input type="checkbox"/>	J-177FH	60.89	3,069.53	1,250.00	55.03	5,786.65
66	<input type="checkbox"/>	J-178	64.19	3,068.15	1,250.00	58.17	6,809.14
67	<input type="checkbox"/>	J-179	64.22	3,068.22	1,250.00	58.28	6,892.59
68	<input type="checkbox"/>	J-17FH	127.62	2,932.53	1,250.00	87.77	2,191.91
69	<input type="checkbox"/>	J-181	66.68	3,068.89	1,250.00	58.21	4,064.94
70	<input type="checkbox"/>	J-182	66.77	3,069.10	1,250.00	55.95	3,233.31

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
71	<input type="checkbox"/>	J-183FH	66.77	3,069.10	1,250.00	45.65	2,015.12
72	<input type="checkbox"/>	J-184FH	67.67	3,071.17	1,250.00	62.33	7,395.65
73	<input type="checkbox"/>	J-186FH	68.93	3,069.08	1,250.00	63.00	6,509.13
74	<input type="checkbox"/>	J-187	66.27	3,067.94	1,250.00	59.52	5,634.77
75	<input type="checkbox"/>	J-188	69.64	3,069.73	1,250.00	64.30	7,692.84
76	<input type="checkbox"/>	J-189FH	67.41	3,070.56	1,250.00	57.89	3,535.56
77	<input type="checkbox"/>	J-191	66.24	3,067.88	1,250.00	58.82	5,017.97
78	<input type="checkbox"/>	J-192	68.40	3,067.85	1,250.00	60.94	5,151.97
79	<input type="checkbox"/>	J-19FH	128.48	2,932.52	1,250.00	60.25	1,625.14
80	<input type="checkbox"/>	J-1FH	91.75	2,931.74	1,250.00	77.85	2,986.45
81	<input type="checkbox"/>	J-204FH	80.75	3,066.37	1,250.00	49.31	1,856.82
82	<input type="checkbox"/>	J-20FH	82.05	2,934.36	1,250.00	78.69	6,404.92
83	<input type="checkbox"/>	J-211FH	73.92	3,000.59	1,250.00	53.44	2,253.71
84	<input type="checkbox"/>	J-212FH	76.52	3,000.59	1,250.00	57.89	2,461.94
85	<input type="checkbox"/>	J-214FH	73.23	3,004.01	1,250.00	47.94	1,981.32
86	<input type="checkbox"/>	J-215FH	77.57	3,004.01	1,250.00	54.90	2,225.13
87	<input type="checkbox"/>	J-217	77.99	3,009.99	1,250.00	67.13	4,029.95
88	<input type="checkbox"/>	J-218FH	73.57	3,007.80	1,250.00	45.52	1,888.45
89	<input type="checkbox"/>	J-22	64.81	3,069.57	1,250.00	59.48	7,166.36
90	<input type="checkbox"/>	J-221FH	80.84	2,934.56	1,250.00	69.11	3,200.56
91	<input type="checkbox"/>	J-222FH	88.00	2,935.09	1,250.00	86.50	9,360.84
92	<input type="checkbox"/>	J-225FH	79.53	2,935.54	1,250.00	77.91	9,267.35
93	<input type="checkbox"/>	J-227FH	64.17	2,993.09	1,250.00	52.51	2,876.26
94	<input type="checkbox"/>	J-229FH	79.25	2,935.90	1,250.00	77.62	9,757.61
95	<input type="checkbox"/>	J-232FH	78.56	2,936.31	1,250.00	76.88	10,063.90
96	<input type="checkbox"/>	J-235FH	74.47	2,936.87	1,250.00	72.65	10,037.60
97	<input type="checkbox"/>	J-247FH	59.11	2,993.91	1,250.00	53.58	4,448.55
98	<input type="checkbox"/>	J-250FH	80.58	2,935.96	1,250.00	77.51	6,671.74
99	<input type="checkbox"/>	J-255FH	88.95	2,933.27	1,250.00	69.01	2,587.16
100	<input type="checkbox"/>	J-258FH	85.19	2,931.60	1,250.00	77.66	3,881.29
101	<input type="checkbox"/>	J-25FH	100.65	2,990.30	1,250.00	86.93	4,612.82
102	<input type="checkbox"/>	J-260FH	85.13	2,931.48	1,250.00	76.40	3,627.40
103	<input type="checkbox"/>	J-266FH	100.14	2,931.11	1,250.00	75.84	2,431.07
104	<input type="checkbox"/>	J-267FH	79.51	2,934.49	1,250.00	79.18	5,144.39
105	<input type="checkbox"/>	J-269FH	100.19	2,931.21	1,250.00	80.73	2,717.58

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
106	<input type="checkbox"/>	J-270FH	100.25	2,931.37	1,250.00	85.60	3,129.92
107	<input type="checkbox"/>	J-271FH	85.13	2,931.48	1,250.00	77.44	3,872.02
108	<input type="checkbox"/>	J-273FH	98.16	2,931.54	1,250.00	91.05	4,408.29
109	<input type="checkbox"/>	J-274FH	98.17	2,931.55	1,250.00	91.06	4,403.74
110	<input type="checkbox"/>	J-275FH	88.27	2,988.71	1,250.00	73.05	4,336.93
111	<input type="checkbox"/>	J-278FH	83.54	2,932.79	1,250.00	79.65	4,686.86
112	<input type="checkbox"/>	J-279FH	87.70	2,932.41	1,250.00	83.12	4,677.86
113	<input type="checkbox"/>	J-280FH	82.84	2,932.19	1,250.00	77.37	4,259.64
114	<input type="checkbox"/>	J-281FH	99.03	2,931.56	1,250.00	91.83	4,395.87
115	<input type="checkbox"/>	J-283FH	93.87	2,931.64	1,250.00	87.09	4,332.06
116	<input type="checkbox"/>	J-284FH	91.77	2,931.79	1,250.00	62.86	2,054.38
117	<input type="checkbox"/>	J-288FH	91.70	2,931.63	1,250.00	84.50	4,138.31
118	<input type="checkbox"/>	J-291FH	64.10	3,068.94	1,250.00	58.77	7,658.93
119	<input type="checkbox"/>	J-292FH	98.18	2,931.59	1,250.00	91.20	4,423.90
120	<input type="checkbox"/>	J-293FH	100.86	2,987.76	1,250.00	83.75	4,448.55
121	<input type="checkbox"/>	J-294	67.98	3,069.89	1,250.00	62.62	8,019.93
122	<input type="checkbox"/>	J-295	66.59	3,099.69	1,250.00	58.11	6,050.40
123	<input type="checkbox"/>	J-297FH	98.18	2,931.58	1,250.00	90.80	4,312.03
124	<input type="checkbox"/>	J-29FH	76.72	2,992.06	1,250.00	68.80	6,102.85
125	<input type="checkbox"/>	J-301FH	118.17	3,072.72	1,250.00	111.00	7,124.98
126	<input type="checkbox"/>	J-302FH	98.18	2,931.58	1,250.00	90.92	4,344.66
127	<input type="checkbox"/>	J-303FH	87.37	2,931.63	1,250.00	79.79	3,902.37
128	<input type="checkbox"/>	J-305FH	51.48	2,996.31	1,250.00	51.08	5,670.75
129	<input type="checkbox"/>	J-307FH	83.05	2,931.66	1,250.00	76.52	4,042.64
130	<input type="checkbox"/>	J-30FH	76.47	2,992.48	1,250.00	69.16	6,360.89
131	<input type="checkbox"/>	J-311	63.14	3,070.72	1,250.00	57.68	7,694.31
132	<input type="checkbox"/>	J-312	86.16	3,068.85	1,250.00	80.46	8,965.73
133	<input type="checkbox"/>	J-315FH	60.39	3,069.38	1,250.00	53.96	5,194.52
134	<input type="checkbox"/>	J-317FH	71.41	3,066.80	1,250.00	61.11	3,896.61
135	<input type="checkbox"/>	J-318FH	64.62	3,071.14	1,250.00	59.86	8,232.14
136	<input type="checkbox"/>	J-319FH	63.53	3,070.62	1,250.00	58.67	8,111.22
137	<input type="checkbox"/>	J-321FH	63.35	3,070.19	1,250.00	57.95	6,624.63
138	<input type="checkbox"/>	J-322FH	57.93	3,069.70	1,250.00	52.81	6,931.81
139	<input type="checkbox"/>	J-323FH	60.60	3,069.86	1,250.00	55.00	6,036.97
140	<input type="checkbox"/>	J-324FH	62.42	3,070.05	1,250.00	57.35	7,474.75

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
141	<input type="checkbox"/>	J-325FH	63.36	3,070.24	1,250.00	58.35	7,748.33
142	<input type="checkbox"/>	J-326FH	61.57	3,070.10	1,250.00	56.05	6,219.25
143	<input type="checkbox"/>	J-327FH	61.50	3,069.93	1,250.00	56.37	7,209.64
144	<input type="checkbox"/>	J-328FH	59.28	3,069.82	1,250.00	53.96	6,463.98
145	<input type="checkbox"/>	J-329FH	58.85	3,069.82	1,250.00	53.20	5,842.67
146	<input type="checkbox"/>	J-33FH	74.98	2,993.03	1,250.00	68.08	6,385.54
147	<input type="checkbox"/>	J-38FH	74.18	2,992.20	1,250.00	66.66	6,041.14
148	<input type="checkbox"/>	J-39FH	67.94	2,992.80	1,250.00	60.53	5,056.27
149	<input type="checkbox"/>	J-44FH	80.91	2,991.72	1,250.00	70.90	4,787.48
150	<input type="checkbox"/>	J-54	64.40	3,068.62	1,250.00	58.85	7,412.60
151	<input type="checkbox"/>	J-63FH	66.71	2,992.97	1,250.00	60.16	5,571.78
152	<input type="checkbox"/>	J-66FH	63.55	2,993.66	1,250.00	58.32	5,658.68
153	<input type="checkbox"/>	J-68FH	66.72	2,992.99	1,250.00	60.62	5,886.02
154	<input type="checkbox"/>	J-69FH	66.72	2,992.99	1,250.00	60.37	5,496.21
155	<input type="checkbox"/>	J-73FH	70.61	2,992.95	1,250.00	62.33	4,250.19
156	<input type="checkbox"/>	J-77FH	67.21	3,069.11	1,250.00	62.06	8,290.30
157	<input type="checkbox"/>	J-80FH	56.09	3,069.45	1,250.00	50.60	6,162.22
158	<input type="checkbox"/>	J-81FH	65.89	2,993.05	1,250.00	57.80	4,032.40
159	<input type="checkbox"/>	J-82	64.28	3,069.36	1,250.00	51.39	2,752.75
160	<input type="checkbox"/>	J-85FH	62.56	2,993.87	1,250.00	57.02	4,779.79
161	<input type="checkbox"/>	J-8FH	78.09	2,932.22	1,250.00	63.11	2,596.96
162	<input type="checkbox"/>	J-93FH	59.03	2,994.23	1,250.00	49.41	2,877.70
163	<input type="checkbox"/>	J-956	75.16	3,020.46	1,250.00	65.73	3,955.22
164	<input type="checkbox"/>	J-958	73.12	3,024.74	1,250.00	64.90	3,542.28
165	<input type="checkbox"/>	J-97FH	57.81	3,069.41	1,250.00	51.29	4,894.43
166	<input type="checkbox"/>	J1000	72.09	3,069.39	1,250.00	65.86	6,304.47
167	<input type="checkbox"/>	J1002	76.76	3,069.16	1,250.00	70.58	6,814.93
168	<input type="checkbox"/>	J1004	56.49	3,069.37	1,250.00	48.96	4,057.76
169	<input type="checkbox"/>	J1006	57.36	3,069.37	1,250.00	50.15	4,373.18
170	<input type="checkbox"/>	J1008	56.05	3,069.37	1,250.00	46.93	3,258.43
171	<input type="checkbox"/>	J100FH	59.52	3,070.37	1,250.00	53.30	4,996.74
172	<input type="checkbox"/>	J1010	55.62	3,069.37	1,250.00	46.17	3,128.55
173	<input type="checkbox"/>	J1012	55.62	3,069.37	1,250.00	44.74	2,758.35
174	<input type="checkbox"/>	J1014	55.19	3,069.37	1,250.00	47.59	3,903.43
175	<input type="checkbox"/>	J1016	54.76	3,069.37	1,250.00	48.46	5,126.64

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
176	<input type="checkbox"/>	J1018	56.05	3,069.37	1,250.00	45.01	2,748.37
177	<input type="checkbox"/>	J1020	53.84	3,068.26	1,250.00	33.12	1,741.22
178	<input type="checkbox"/>	J1022	52.54	3,068.26	1,250.00	31.24	1,663.50
179	<input type="checkbox"/>	J1024	55.14	3,068.25	1,250.00	33.58	1,734.75
180	<input type="checkbox"/>	J1026	53.80	3,077.16	1,250.00	32.88	1,654.73
181	<input type="checkbox"/>	J1028	90.63	3,077.16	1,250.00	80.01	3,843.85
182	<input type="checkbox"/>	J102FH	57.86	3,069.54	1,250.00	51.94	5,367.58
183	<input type="checkbox"/>	J1030	81.09	3,077.16	1,250.00	66.99	2,944.12
184	<input type="checkbox"/>	J1032	88.46	3,077.16	1,250.00	74.58	3,166.46
185	<input type="checkbox"/>	J1034	70.26	3,077.16	1,250.00	52.89	2,316.34
186	<input type="checkbox"/>	J1036	74.57	2,933.09	1,250.00	71.16	4,402.08
187	<input type="checkbox"/>	J1038	73.28	2,933.12	1,250.00	70.31	4,491.10
188	<input type="checkbox"/>	J1040	73.27	2,933.10	1,250.00	69.66	4,243.77
189	<input type="checkbox"/>	J1042	72.41	2,933.11	1,250.00	68.97	4,262.44
190	<input type="checkbox"/>	J1044	71.54	2,933.11	1,250.00	67.04	3,860.45
191	<input type="checkbox"/>	J104FH	60.73	3,069.17	1,250.00	53.48	4,367.26
192	<input type="checkbox"/>	J106FH	63.30	3,069.10	1,250.00	56.30	4,806.30
193	<input type="checkbox"/>	J108FH	64.20	3,069.17	1,250.00	58.91	7,386.23
194	<input type="checkbox"/>	J10FH	72.88	3,013.20	1,250.00	61.71	3,796.39
195	<input type="checkbox"/>	J110FH	67.19	3,069.07	1,250.00	62.00	8,214.97
196	<input type="checkbox"/>	J112FH	58.84	3,069.79	1,250.00	53.00	5,521.08
197	<input type="checkbox"/>	J114FH	59.65	3,069.67	1,250.00	53.49	5,279.32
198	<input type="checkbox"/>	J116FH	62.48	3,069.20	1,250.00	54.68	4,079.87
199	<input type="checkbox"/>	J118FH	61.10	3,070.02	1,250.00	55.32	5,817.00
200	<input type="checkbox"/>	J12	73.01	3,013.50	1,250.00	61.84	3,801.00
201	<input type="checkbox"/>	J120FH	60.54	3,069.72	1,250.00	54.46	5,426.33
202	<input type="checkbox"/>	J122FH	60.47	3,069.56	1,250.00	54.37	5,445.65
203	<input type="checkbox"/>	J124FH	63.69	3,068.98	1,250.00	58.40	7,660.96
204	<input type="checkbox"/>	J126FH	73.64	3,068.95	1,250.00	68.01	7,873.80
205	<input type="checkbox"/>	J128FH	72.06	3,068.30	1,250.00	62.90	4,151.37
206	<input type="checkbox"/>	J130FH	81.41	3,068.87	1,250.00	75.68	8,464.36
207	<input type="checkbox"/>	J132FH	78.58	3,068.35	1,250.00	70.96	5,551.61
208	<input type="checkbox"/>	J134FH	75.47	3,068.17	1,250.00	65.28	3,888.01
209	<input type="checkbox"/>	J136FH	73.69	3,068.07	1,250.00	63.95	3,970.18
210	<input type="checkbox"/>	J138FH	62.54	3,068.33	1,250.00	56.00	5,494.78

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
211	<input type="checkbox"/>	J140FH	64.07	3,067.86	1,250.00	56.89	5,063.90
212	<input type="checkbox"/>	J142FH	62.85	3,068.04	1,250.00	53.17	3,445.30
213	<input type="checkbox"/>	J144FH	114.70	3,072.72	1,250.00	108.31	7,922.28
214	<input type="checkbox"/>	J146FH	113.84	3,072.72	1,250.00	108.49	10,047.21
215	<input type="checkbox"/>	J148FH	111.24	3,072.72	1,250.00	106.65	13,423.59
216	<input type="checkbox"/>	J14FH	72.65	3,012.67	1,250.00	61.50	3,789.02
217	<input type="checkbox"/>	J150FH	88.99	3,073.37	1,250.00	85.27	14,298.34
218	<input type="checkbox"/>	J152FH	59.95	3,070.35	1,250.00	52.96	4,814.83
219	<input type="checkbox"/>	J154FH	61.06	3,069.93	1,250.00	55.22	5,745.58
220	<input type="checkbox"/>	J156FH	60.94	3,069.65	1,250.00	50.53	3,049.29
221	<input type="checkbox"/>	J158FH	61.07	3,068.95	1,250.00	51.44	3,300.42
222	<input type="checkbox"/>	J16	70.91	3,012.65	1,250.00	56.25	2,979.58
223	<input type="checkbox"/>	J160FH	67.05	3,066.75	1,250.00	53.02	2,768.50
224	<input type="checkbox"/>	J162FH	64.66	3,067.24	1,250.00	57.53	5,428.76
225	<input type="checkbox"/>	J164FH	67.58	3,066.98	1,250.00	60.50	6,064.56
226	<input type="checkbox"/>	J166FH	67.88	3,067.65	1,250.00	60.56	5,315.86
227	<input type="checkbox"/>	J168FH	70.53	3,067.78	1,250.00	63.07	5,313.82
228	<input type="checkbox"/>	J170FH	80.53	3,067.85	1,250.00	72.45	5,368.62
229	<input type="checkbox"/>	J172FH	79.54	3,067.56	1,250.00	71.12	5,170.05
230	<input type="checkbox"/>	J174FH	82.42	3,067.21	1,250.00	73.04	4,749.73
231	<input type="checkbox"/>	J178FH	77.47	3,066.79	1,250.00	68.39	4,735.92
232	<input type="checkbox"/>	J180FH	80.87	3,066.63	1,250.00	73.28	6,771.06
233	<input type="checkbox"/>	J182FH	88.19	3,066.53	1,250.00	80.23	7,094.89
234	<input type="checkbox"/>	J184FH	87.64	3,065.26	1,250.00	78.10	6,217.59
235	<input type="checkbox"/>	J188FH	70.97	2,938.78	1,250.00	65.65	7,289.04
236	<input type="checkbox"/>	J18FH	73.08	3,012.65	1,250.00	55.99	2,731.85
237	<input type="checkbox"/>	J190FH	75.17	3,066.49	1,250.00	41.78	1,693.45
238	<input type="checkbox"/>	J192FH	74.87	2,938.79	1,250.00	72.64	12,783.82
239	<input type="checkbox"/>	J194FH	68.72	2,938.60	1,250.00	61.17	3,805.96
240	<input type="checkbox"/>	J196FH	76.08	2,938.59	1,250.00	74.19	12,744.04
241	<input type="checkbox"/>	J198FH	70.34	2,938.34	1,250.00	61.76	3,509.56
242	<input type="checkbox"/>	J200FH	66.96	2,937.53	1,250.00	65.03	10,100.01
243	<input type="checkbox"/>	J202FH	76.63	2,936.85	1,250.00	57.75	2,316.61
244	<input type="checkbox"/>	J204FH	69.02	2,936.29	1,250.00	38.58	1,637.30
245	<input type="checkbox"/>	J208FH	81.22	3,066.45	1,250.00	66.04	3,095.05

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
246	<input type="checkbox"/>	J20FH	70.48	3,012.65	1,250.00	55.09	2,864.32
247	<input type="checkbox"/>	J212FH	80.31	3,066.35	1,250.00	61.47	2,599.54
248	<input type="checkbox"/>	J214FH	85.76	2,935.92	1,250.00	79.72	4,853.92
249	<input type="checkbox"/>	J216FH	83.40	2,935.48	1,250.00	57.54	2,072.58
250	<input type="checkbox"/>	J218FH	92.08	2,934.51	1,250.00	66.55	2,250.63
251	<input type="checkbox"/>	J22	69.61	3,012.65	1,250.00	52.65	2,648.03
252	<input type="checkbox"/>	J220FH	90.78	2,934.52	1,250.00	68.39	2,404.13
253	<input type="checkbox"/>	J222FH	87.76	2,934.53	1,250.00	70.90	2,769.28
254	<input type="checkbox"/>	J226FH	86.02	2,934.52	1,250.00	63.68	2,315.17
255	<input type="checkbox"/>	J228FH	85.06	2,934.31	1,250.00	67.22	2,608.16
256	<input type="checkbox"/>	J230FH	81.38	2,934.82	1,250.00	79.00	7,509.23
257	<input type="checkbox"/>	J232FH	91.11	2,933.27	1,250.00	62.66	2,124.30
258	<input type="checkbox"/>	J234FH	88.94	2,933.27	1,250.00	63.43	2,228.21
259	<input type="checkbox"/>	J236FH	84.92	2,933.99	1,250.00	67.61	2,661.08
260	<input type="checkbox"/>	J238FH	82.13	2,934.54	1,250.00	79.11	6,769.13
261	<input type="checkbox"/>	J240FH	92.02	2,932.37	1,250.00	67.36	2,299.77
262	<input type="checkbox"/>	J242FH	82.86	2,933.23	1,250.00	75.30	3,966.02
263	<input type="checkbox"/>	J244FH	100.64	2,987.26	1,250.00	82.60	4,297.09
264	<input type="checkbox"/>	J246FH	74.87	3,007.80	1,250.00	51.23	2,149.98
265	<input type="checkbox"/>	J248FH	83.72	2,933.21	1,250.00	65.87	2,627.31
266	<input type="checkbox"/>	J24FH	73.94	3,012.65	1,250.00	55.56	2,617.12
267	<input type="checkbox"/>	J250FH	80.25	2,934.21	1,250.00	75.73	5,337.56
268	<input type="checkbox"/>	J252FH	82.68	2,933.81	1,250.00	76.06	4,369.70
269	<input type="checkbox"/>	J254FH	82.63	2,933.70	1,250.00	75.64	4,221.01
270	<input type="checkbox"/>	J256FH	81.47	2,992.01	1,250.00	71.22	4,464.04
271	<input type="checkbox"/>	J258FH	92.60	2,991.71	1,250.00	75.61	3,172.69
272	<input type="checkbox"/>	J260FH	84.14	2,991.19	1,250.00	73.47	4,953.64
273	<input type="checkbox"/>	J262FH	84.27	2,990.49	1,250.00	72.64	4,693.31
274	<input type="checkbox"/>	J264FH	82.79	2,990.07	1,250.00	70.80	4,855.43
275	<input type="checkbox"/>	J266FH	78.14	2,992.34	1,250.00	69.72	5,173.96
276	<input type="checkbox"/>	J268FH	78.88	2,992.04	1,250.00	70.28	5,577.77
277	<input type="checkbox"/>	J26FH	70.91	3,012.65	1,250.00	52.39	2,526.23
278	<input type="checkbox"/>	J270FH	79.90	2,991.39	1,250.00	70.46	5,619.68
279	<input type="checkbox"/>	J272FH	73.17	2,992.87	1,250.00	65.96	5,781.19
280	<input type="checkbox"/>	J274FH	81.84	2,992.87	1,250.00	74.77	6,554.70



Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
281	<input type="checkbox"/>	J276FH	75.68	2,992.65	1,250.00	68.50	5,808.16
282	<input type="checkbox"/>	J278FH	73.13	2,992.79	1,250.00	66.31	5,837.83
283	<input type="checkbox"/>	J280FH	75.22	2,992.59	1,250.00	67.41	5,343.80
284	<input type="checkbox"/>	J282FH	66.07	2,993.49	1,250.00	60.15	6,136.77
285	<input type="checkbox"/>	J284FH	65.26	2,993.62	1,250.00	59.71	5,844.56
286	<input type="checkbox"/>	J286FH	64.94	2,993.87	1,250.00	60.10	5,871.44
287	<input type="checkbox"/>	J288FH	62.91	2,994.20	1,250.00	58.04	5,093.51
288	<input type="checkbox"/>	J290FH	86.20	2,992.95	1,250.00	72.25	3,267.05
289	<input type="checkbox"/>	J292FH	59.56	2,993.45	1,250.00	53.41	4,396.36
290	<input type="checkbox"/>	J294FH	64.19	2,993.14	1,250.00	57.41	4,689.28
291	<input type="checkbox"/>	J296FH	65.08	2,993.19	1,250.00	58.20	4,670.30
292	<input type="checkbox"/>	J298FH	61.62	2,994.20	1,250.00	56.58	4,725.53
293	<input type="checkbox"/>	J300FH	51.51	2,993.89	1,250.00	36.39	1,938.22
294	<input type="checkbox"/>	J302FH	53.25	2,993.89	1,250.00	40.84	2,268.34
295	<input type="checkbox"/>	J304FH	52.81	2,993.88	1,250.00	28.29	1,487.07
296	<input type="checkbox"/>	J306FH	56.59	2,994.61	1,250.00	52.51	4,605.84
297	<input type="checkbox"/>	J308FH	59.19	2,994.61	1,250.00	54.90	4,669.27
298	<input type="checkbox"/>	J310FH	78.30	2,932.71	1,250.00	74.23	4,433.69
299	<input type="checkbox"/>	J312FH	83.52	2,931.76	1,250.00	75.99	3,761.64
300	<input type="checkbox"/>	J314FH	82.03	2,932.32	1,250.00	76.16	4,035.37
301	<input type="checkbox"/>	J316FH	85.82	2,932.06	1,250.00	80.11	4,311.82
302	<input type="checkbox"/>	J318FH	91.77	2,931.79	1,250.00	81.25	3,401.08
303	<input type="checkbox"/>	J320FH	93.47	2,931.72	1,250.00	86.64	4,281.37
304	<input type="checkbox"/>	J322FH	91.30	2,931.71	1,250.00	79.62	3,226.59
305	<input type="checkbox"/>	J324FH	88.72	2,931.75	1,250.00	79.78	3,603.31
306	<input type="checkbox"/>	J326FH	87.82	2,931.69	1,250.00	80.49	3,959.43
307	<input type="checkbox"/>	J328FH	84.73	2,931.54	1,250.00	75.98	3,588.80
308	<input type="checkbox"/>	J330FH	88.63	2,931.54	1,250.00	80.10	3,762.30
309	<input type="checkbox"/>	J332FH	84.74	2,931.57	1,250.00	76.53	3,697.32
310	<input type="checkbox"/>	J334FH	83.47	2,931.63	1,250.00	76.52	3,947.06
311	<input type="checkbox"/>	J336FH	86.26	2,932.07	1,250.00	75.08	3,160.75
312	<input type="checkbox"/>	J338FH	89.56	2,931.68	1,250.00	81.31	3,834.14
313	<input type="checkbox"/>	J340FH	83.66	2,932.07	1,250.00	73.20	3,195.74
314	<input type="checkbox"/>	J342FH	88.39	2,932.00	1,250.00	80.44	3,863.67
315	<input type="checkbox"/>	J344FH	84.96	2,932.07	1,250.00	74.45	3,223.68

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
316	<input type="checkbox"/>	J346FH	83.23	2,932.07	1,250.00	74.95	3,567.32
317	<input type="checkbox"/>	J348FH	80.74	2,932.33	1,250.00	75.22	4,162.63
318	<input type="checkbox"/>	J34FH	64.48	3,070.81	1,250.00	59.03	6,472.77
319	<input type="checkbox"/>	J350FH	80.75	2,932.35	1,250.00	75.27	4,178.50
320	<input type="checkbox"/>	J352FH	85.46	2,932.22	1,250.00	72.76	3,005.93
321	<input type="checkbox"/>	J354FH	79.57	2,932.64	1,250.00	74.59	4,401.06
322	<input type="checkbox"/>	J356FH	91.53	2,932.25	1,250.00	76.73	2,948.48
323	<input type="checkbox"/>	J358FH	86.32	2,932.23	1,250.00	78.52	3,865.99
324	<input type="checkbox"/>	J360FH	98.00	2,931.16	1,250.00	79.74	2,784.73
325	<input type="checkbox"/>	J362FH	98.05	2,931.29	1,250.00	85.06	3,325.08
326	<input type="checkbox"/>	J364FH	92.50	2,931.47	1,250.00	82.86	3,654.37
327	<input type="checkbox"/>	J366FH	91.20	2,931.47	1,250.00	81.79	3,665.31
328	<input type="checkbox"/>	J368FH	92.92	2,931.45	1,250.00	84.72	4,000.50
329	<input type="checkbox"/>	J370FH	86.88	2,931.52	1,250.00	78.34	3,702.17
330	<input type="checkbox"/>	J372FH	86.89	2,931.52	1,250.00	79.63	4,020.36
331	<input type="checkbox"/>	J374FH	98.60	2,931.56	1,250.00	87.99	3,611.03
332	<input type="checkbox"/>	J376FH	98.18	2,931.58	1,250.00	90.89	4,331.91
333	<input type="checkbox"/>	J380FH	53.03	3,069.38	1,250.00	45.30	3,620.21
334	<input type="checkbox"/>	J382FH	52.59	3,069.38	1,250.00	44.99	3,656.07
335	<input type="checkbox"/>	J384FH	53.89	3,069.38	1,250.00	47.77	5,198.75
336	<input type="checkbox"/>	J388	53.46	3,069.38	1,250.00	47.42	5,246.11
337	<input type="checkbox"/>	J392	50.86	3,069.38	1,250.00	44.04	4,022.08
338	<input type="checkbox"/>	J394	53.90	3,069.38	1,250.00	47.91	5,357.55
339	<input type="checkbox"/>	J396	55.19	3,069.38	1,250.00	48.93	5,172.68
340	<input type="checkbox"/>	J398FH	54.76	3,069.38	1,250.00	48.54	5,174.17
341	<input type="checkbox"/>	J400	72.50	3,069.33	1,250.00	67.30	8,657.23
342	<input type="checkbox"/>	J402FH	68.15	3,069.29	1,250.00	62.95	8,234.79
343	<input type="checkbox"/>	J404FH	65.98	3,069.26	1,250.00	60.78	7,938.41
344	<input type="checkbox"/>	J406FH	64.27	3,069.33	1,250.00	54.63	3,450.29
345	<input type="checkbox"/>	J408	65.57	3,069.33	1,250.00	58.35	4,817.12
346	<input type="checkbox"/>	J410FH	63.84	3,069.33	1,250.00	55.82	4,109.10
347	<input type="checkbox"/>	J412FH	60.81	3,069.34	1,250.00	52.40	3,729.49
348	<input type="checkbox"/>	J416FH	62.01	3,071.11	1,250.00	54.73	4,198.02
349	<input type="checkbox"/>	J418FH	62.88	3,071.11	1,250.00	57.36	6,116.10
350	<input type="checkbox"/>	J420FH	66.39	3,071.23	1,250.00	60.69	6,152.30

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
351	<input type="checkbox"/>	J422FH	61.95	3,070.98	1,250.00	57.05	7,376.36
352	<input type="checkbox"/>	J424FH	61.95	3,070.97	1,250.00	56.02	5,524.52
353	<input type="checkbox"/>	J426FH	62.38	3,070.97	1,250.00	56.57	5,729.05
354	<input type="checkbox"/>	J42FH	64.23	3,067.25	1,250.00	52.58	3,087.85
355	<input type="checkbox"/>	J434FH	62.92	3,071.22	1,250.00	55.06	3,960.82
356	<input type="checkbox"/>	J440FH	63.25	3,070.97	1,250.00	58.15	7,134.18
357	<input type="checkbox"/>	J442FH	62.84	3,071.04	1,250.00	57.81	7,304.57
358	<input type="checkbox"/>	J444FH	60.87	3,070.49	1,250.00	55.95	7,707.70
359	<input type="checkbox"/>	J44FH	64.55	3,066.98	1,250.00	52.18	2,963.18
360	<input type="checkbox"/>	J450FH	65.68	3,069.59	1,250.00	60.45	7,893.73
361	<input type="checkbox"/>	J452FH	66.91	3,069.43	1,250.00	61.71	8,102.57
362	<input type="checkbox"/>	J456FH	97.51	2,931.05	1,250.00	64.17	2,023.86
363	<input type="checkbox"/>	J458FH	96.21	2,931.05	1,250.00	64.31	2,054.49
364	<input type="checkbox"/>	J46	74.01	3,066.80	1,250.00	61.87	3,421.88
365	<input type="checkbox"/>	J460FH	94.48	2,931.05	1,250.00	61.80	2,004.18
366	<input type="checkbox"/>	J462FH	94.49	2,931.06	1,250.00	67.64	2,226.12
367	<input type="checkbox"/>	J478FH	109.95	3,069.76	1,250.00	103.99	10,409.40
368	<input type="checkbox"/>	J480FH	119.15	3,070.98	1,250.00	113.42	11,347.00
369	<input type="checkbox"/>	J482FH	119.74	3,072.34	1,250.00	114.43	12,207.76
370	<input type="checkbox"/>	J484FH	113.90	3,073.87	1,250.00	109.20	12,769.49
371	<input type="checkbox"/>	J486FH	102.25	3,075.98	1,250.00	98.79	15,121.86
372	<input type="checkbox"/>	J488FH	110.95	3,076.05	1,250.00	106.25	8,945.29
373	<input type="checkbox"/>	J490FH	111.85	3,076.13	1,250.00	106.57	7,915.15
374	<input type="checkbox"/>	J492FH	111.02	3,076.22	1,250.00	105.55	7,637.90
375	<input type="checkbox"/>	J494FH	111.85	3,076.15	1,250.00	104.23	6,007.91
376	<input type="checkbox"/>	J496FH	113.37	3,076.63	1,250.00	108.33	8,268.78
377	<input type="checkbox"/>	J500FH	110.09	3,077.07	1,250.00	105.27	8,197.42
378	<input type="checkbox"/>	J508FH	99.71	3,077.13	1,250.00	94.77	7,395.44
379	<input type="checkbox"/>	J50FH	102.50	2,931.56	1,250.00	86.92	3,034.65
380	<input type="checkbox"/>	J510FH	95.86	3,077.23	1,250.00	91.07	7,354.19
381	<input type="checkbox"/>	J512	88.93	3,077.23	1,250.00	82.75	5,546.87
382	<input type="checkbox"/>	J514FH	90.27	3,077.32	1,250.00	85.84	7,558.18
383	<input type="checkbox"/>	J516	91.14	3,077.35	1,250.00	86.85	7,845.47
384	<input type="checkbox"/>	J518FH	92.05	3,077.45	1,250.00	88.45	9,598.10
385	<input type="checkbox"/>	J522FH	109.66	3,077.08	1,250.00	105.28	9,083.50

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
386	<input type="checkbox"/>	J526FH	102.78	3,077.20	1,250.00	98.52	8,825.45
387	<input type="checkbox"/>	J528FH	96.77	3,077.33	1,250.00	92.93	9,376.98
388	<input type="checkbox"/>	J532FH	95.11	3,077.51	1,250.00	92.24	13,815.27
389	<input type="checkbox"/>	J534	94.27	3,077.57	1,250.00	91.96	21,711.63
390	<input type="checkbox"/>	J536	67.46	3,069.68	1,250.00	61.74	8,160.93
391	<input type="checkbox"/>	J540	62.37	3,070.95	1,250.00	56.83	7,530.15
392	<input type="checkbox"/>	J566FH	64.03	3,069.77	1,250.00	58.47	7,202.39
393	<input type="checkbox"/>	J568FH	61.37	3,069.64	1,250.00	55.63	6,536.27
394	<input type="checkbox"/>	J56FH	83.12	2,931.82	1,250.00	76.65	4,015.40
395	<input type="checkbox"/>	J570FH	60.94	3,069.64	1,250.00	53.00	4,064.21
396	<input type="checkbox"/>	J572	56.53	3,069.47	1,250.00	50.71	5,960.66
397	<input type="checkbox"/>	J574	57.41	3,069.49	1,250.00	50.98	5,139.21
398	<input type="checkbox"/>	J576	55.17	3,069.33	1,250.00	48.10	4,498.04
399	<input type="checkbox"/>	J578	56.09	3,069.46	1,250.00	50.24	5,854.47
400	<input type="checkbox"/>	J580FH	56.53	3,069.46	1,250.00	49.97	4,944.74
401	<input type="checkbox"/>	J582	64.01	3,069.74	1,250.00	57.91	6,098.18
402	<input type="checkbox"/>	J584FH	101.68	3,076.66	1,250.00	98.61	16,682.37
403	<input type="checkbox"/>	J588	95.41	3,077.19	1,250.00	92.74	18,273.68
404	<input type="checkbox"/>	J58FH	85.68	2,931.73	1,250.00	78.79	4,003.97
405	<input type="checkbox"/>	J590FH	105.58	3,076.66	1,250.00	98.80	6,005.70
406	<input type="checkbox"/>	J594FH	108.61	3,076.66	1,250.00	99.01	4,696.81
407	<input type="checkbox"/>	J596FH	118.35	3,076.15	1,250.00	108.51	5,007.40
408	<input type="checkbox"/>	J600FH	100.20	3,077.24	1,250.00	95.09	7,161.42
409	<input type="checkbox"/>	J602	100.20	3,077.24	1,250.00	96.04	8,873.01
410	<input type="checkbox"/>	J604	53.75	3,069.06	1,250.00	44.05	3,117.30
411	<input type="checkbox"/>	J606FH	51.44	3,068.72	1,250.00	38.12	2,291.58
412	<input type="checkbox"/>	J608	54.62	3,069.06	1,250.00	42.63	2,592.72
413	<input type="checkbox"/>	J610FH	57.86	3,069.53	1,250.00	51.21	4,967.96
414	<input type="checkbox"/>	J612FH	60.07	3,069.64	1,250.00	53.72	5,468.28
415	<input type="checkbox"/>	J614	60.03	3,069.55	1,250.00	51.63	3,837.91
416	<input type="checkbox"/>	J616	59.15	3,069.52	1,250.00	50.70	3,853.53
417	<input type="checkbox"/>	J620	56.50	2,995.38	1,250.00	35.80	1,724.95
418	<input type="checkbox"/>	J622FH	73.20	2,994.93	1,250.00	65.85	5,377.70
419	<input type="checkbox"/>	J624FH	69.30	2,994.92	1,250.00	55.24	2,797.95
420	<input type="checkbox"/>	J626FH	81.99	2,994.21	1,250.00	72.19	4,511.89

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
421	<input type="checkbox"/>	J630FH	73.63	2,994.92	1,250.00	53.92	2,270.34
422	<input type="checkbox"/>	J634FH	71.03	2,994.92	1,250.00	47.05	1,954.16
423	<input type="checkbox"/>	J638FH	88.30	2,993.78	1,250.00	77.93	4,533.67
424	<input type="checkbox"/>	J640FH	60.46	3,069.53	1,250.00	52.64	4,189.55
425	<input type="checkbox"/>	J642FH	60.91	3,069.57	1,250.00	52.82	4,047.02
426	<input type="checkbox"/>	J646FH	58.72	3,069.52	1,250.00	49.64	3,471.71
427	<input type="checkbox"/>	J648FH	116.61	3,068.11	1,250.00	109.08	9,120.27
428	<input type="checkbox"/>	J650FH	120.26	3,067.55	1,250.00	112.00	8,635.89
429	<input type="checkbox"/>	J652FH	126.89	3,066.85	1,250.00	117.44	8,071.02
430	<input type="checkbox"/>	J654FH	127.84	3,067.04	1,250.00	117.43	6,737.89
431	<input type="checkbox"/>	J656FH	124.91	3,067.28	1,250.00	115.59	7,493.28
432	<input type="checkbox"/>	J658FH	122.79	3,067.38	1,250.00	113.39	7,267.69
433	<input type="checkbox"/>	J660FH	127.08	3,067.29	1,250.00	117.22	7,053.97
434	<input type="checkbox"/>	J662FH	130.92	3,067.15	1,250.00	117.16	5,070.77
435	<input type="checkbox"/>	J664FH	122.83	3,067.47	1,250.00	113.51	7,271.52
436	<input type="checkbox"/>	J666FH	119.51	3,067.82	1,250.00	110.49	7,245.74
437	<input type="checkbox"/>	J66FH	86.01	2,931.50	1,250.00	78.57	3,955.59
438	<input type="checkbox"/>	J672FH	81.66	2,935.45	1,250.00	28.57	1,366.55
439	<input type="checkbox"/>	J674	59.75	3,069.37	1,250.00	53.06	5,093.78
440	<input type="checkbox"/>	J676FH	58.04	3,069.37	1,250.00	50.96	4,536.40
441	<input type="checkbox"/>	J678FH	58.53	3,069.36	1,250.00	50.14	3,702.13
442	<input type="checkbox"/>	J680FH	59.91	3,069.36	1,250.00	51.62	3,850.72
443	<input type="checkbox"/>	J682	62.01	3,069.36	1,250.00	54.27	4,356.04
444	<input type="checkbox"/>	J684FH	60.20	3,069.36	1,250.00	51.94	3,897.40
445	<input type="checkbox"/>	J686FH	60.82	3,069.36	1,250.00	52.22	3,763.24
446	<input type="checkbox"/>	J688	62.57	3,069.36	1,250.00	54.01	3,890.56
447	<input type="checkbox"/>	J68FH	81.67	2,931.47	1,250.00	69.69	2,986.63
448	<input type="checkbox"/>	J690	62.55	3,069.36	1,250.00	52.91	3,446.47
449	<input type="checkbox"/>	J692FH	59.48	3,069.36	1,250.00	51.49	3,981.76
450	<input type="checkbox"/>	J694	63.42	3,069.36	1,250.00	55.57	4,375.48
451	<input type="checkbox"/>	J696	58.24	3,069.40	1,250.00	52.25	5,866.02
452	<input type="checkbox"/>	J698	60.60	3,069.38	1,250.00	53.42	4,705.20
453	<input type="checkbox"/>	J700FH	57.38	3,069.38	1,250.00	47.93	3,221.30
454	<input type="checkbox"/>	J702	62.26	3,069.36	1,250.00	54.37	4,263.54
455	<input type="checkbox"/>	J704FH	61.96	3,069.36	1,250.00	53.43	3,874.66

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
456	<input type="checkbox"/>	J706FH	58.34	3,069.36	1,250.00	45.65	2,561.48
457	<input type="checkbox"/>	J708FH	60.20	3,069.38	1,250.00	52.38	4,137.77
458	<input type="checkbox"/>	J70FH	86.88	2,931.52	1,250.00	75.79	3,242.90
459	<input type="checkbox"/>	J710FH	57.92	3,069.40	1,250.00	51.56	5,312.51
460	<input type="checkbox"/>	J714FH	89.73	2,933.26	1,250.00	66.26	2,359.02
461	<input type="checkbox"/>	J718FH	90.92	2,933.26	1,250.00	63.89	2,187.26
462	<input type="checkbox"/>	J720FH	92.03	2,993.39	1,250.00	81.79	4,713.84
463	<input type="checkbox"/>	J724	58.71	3,069.50	1,250.00	50.47	3,730.29
464	<input type="checkbox"/>	J728	59.58	3,069.50	1,250.00	51.67	3,970.21
465	<input type="checkbox"/>	J730FH	59.58	3,069.50	1,250.00	49.09	3,021.22
466	<input type="checkbox"/>	J732	60.45	3,069.52	1,250.00	52.45	3,976.56
467	<input type="checkbox"/>	J736	63.97	3,069.64	1,250.00	57.74	5,786.55
468	<input type="checkbox"/>	J738FH	63.09	3,069.60	1,250.00	56.64	5,467.21
469	<input type="checkbox"/>	J74	68.16	3,068.30	1,250.00	57.10	3,307.17
470	<input type="checkbox"/>	J740FH	66.61	3,069.73	1,250.00	61.35	8,008.67
471	<input type="checkbox"/>	J742FH	56.97	3,069.47	1,250.00	50.46	4,979.45
472	<input type="checkbox"/>	J744	55.22	3,069.44	1,250.00	49.35	5,740.16
473	<input type="checkbox"/>	J746	53.88	3,068.35	1,250.00	35.56	1,904.34
474	<input type="checkbox"/>	J748	51.24	3,068.27	1,250.00	31.13	1,770.52
475	<input type="checkbox"/>	J750FH	55.16	3,068.30	1,250.00	32.42	1,670.18
476	<input type="checkbox"/>	J752	52.97	3,068.25	1,250.00	31.37	1,745.45
477	<input type="checkbox"/>	J754	53.86	3,068.30	1,250.00	33.62	1,771.48
478	<input type="checkbox"/>	J756	52.31	3,068.72	1,250.00	36.96	2,078.36
479	<input type="checkbox"/>	J758	50.57	3,068.72	1,250.00	31.20	1,689.80
480	<input type="checkbox"/>	J76	79.04	3,068.42	1,250.00	72.63	6,990.13
481	<input type="checkbox"/>	J778	128.32	3,067.15	1,250.00	118.19	6,911.60
482	<input type="checkbox"/>	J784FH	126.90	3,066.87	1,250.00	117.22	7,677.32
483	<input type="checkbox"/>	J786FH	92.00	2,993.33	1,250.00	81.84	4,745.42
484	<input type="checkbox"/>	J788FH	64.28	3,069.36	1,250.00	48.45	2,373.67
485	<input type="checkbox"/>	J78FH	59.49	3,069.30	1,250.00	54.24	6,875.19
486	<input type="checkbox"/>	J790FH	62.20	3,069.54	1,250.00	53.86	3,905.13
487	<input type="checkbox"/>	J792	54.76	3,069.37	1,250.00	48.49	5,239.79
488	<input type="checkbox"/>	J794	71.08	3,071.04	1,250.00	65.46	9,079.16
489	<input type="checkbox"/>	J796	77.97	3,068.93	1,250.00	72.30	8,549.20
490	<input type="checkbox"/>	J798	48.92	3,067.91	1,250.00	36.97	2,435.36

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
491	<input type="checkbox"/>	J800	67.06	3,067.77	1,250.00	54.90	3,107.15
492	<input type="checkbox"/>	J80FH	62.41	3,069.03	1,250.00	57.20	7,645.93
493	<input type="checkbox"/>	J814	100.50	3,212.95	1,250.00	100.45	113,673.48
494	<input type="checkbox"/>	J816	45.80	3,068.71	1,250.00	9.33	1,020.72
495	<input type="checkbox"/>	J818	49.71	3,068.71	1,250.00	28.70	1,569.08
496	<input type="checkbox"/>	J820	106.17	3,205.47	1,250.00	98.93	8,714.78
497	<input type="checkbox"/>	J822	105.60	3,210.23	1,250.00	101.81	11,471.18
498	<input type="checkbox"/>	J824	99.91	3,211.33	1,250.00	97.82	14,039.81
499	<input type="checkbox"/>	J826	96.77	3,211.04	1,250.00	93.55	10,732.08
500	<input type="checkbox"/>	J828	93.26	3,211.38	1,250.00	90.16	9,748.71
501	<input type="checkbox"/>	J82FH	65.70	3,068.62	1,250.00	58.86	5,326.75
502	<input type="checkbox"/>	J830	93.62	3,211.29	1,250.00	89.91	8,399.48
503	<input type="checkbox"/>	J832	95.44	3,211.13	1,250.00	91.73	8,584.76
504	<input type="checkbox"/>	J834	88.02	3,212.33	1,250.00	86.35	13,120.27
505	<input type="checkbox"/>	J836	90.51	3,211.29	1,250.00	83.73	5,006.63
506	<input type="checkbox"/>	J838	90.10	3,212.48	1,250.00	89.05	18,185.05
507	<input type="checkbox"/>	J840	115.20	3,210.76	1,250.00	107.45	5,348.15
508	<input type="checkbox"/>	J842	117.01	3,210.76	1,250.00	106.24	4,362.85
509	<input type="checkbox"/>	J844	105.41	3,211.26	1,250.00	101.33	7,853.18
510	<input type="checkbox"/>	J846	105.64	3,211.25	1,250.00	100.74	6,799.67
511	<input type="checkbox"/>	J848	108.30	3,211.23	1,250.00	103.12	6,649.17
512	<input type="checkbox"/>	J84FH	63.53	3,068.62	1,250.00	51.91	2,950.70
513	<input type="checkbox"/>	J850	108.52	3,211.22	1,250.00	103.73	7,070.75
514	<input type="checkbox"/>	J852	105.14	3,211.34	1,250.00	102.85	14,042.08
515	<input type="checkbox"/>	J854	102.39	3,211.34	1,250.00	99.74	10,566.45
516	<input type="checkbox"/>	J856	101.02	3,211.34	1,250.00	98.43	10,617.90
517	<input type="checkbox"/>	J858	62.87	3,033.54	1,250.00	58.80	3,586.73
518	<input type="checkbox"/>	J86	62.48	3,069.20	1,250.00	53.04	3,394.58
519	<input type="checkbox"/>	J860	63.32	3,044.19	1,250.00	55.71	3,425.89
520	<input type="checkbox"/>	J862	64.53	3,048.41	1,250.00	55.24	3,494.72
521	<input type="checkbox"/>	J864	69.14	3,044.19	1,250.00	48.14	1,977.34
522	<input type="checkbox"/>	J866	65.95	3,054.25	1,250.00	55.05	3,694.79
523	<input type="checkbox"/>	J868	57.78	3,060.17	1,250.00	46.82	3,596.84
524	<input type="checkbox"/>	J870	60.08	3,059.22	1,250.00	48.29	3,331.49
525	<input type="checkbox"/>	J872	67.40	3,059.09	1,250.00	55.51	3,631.65

Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
526	<input type="checkbox"/>	J874	59.17	3,059.09	1,250.00	45.82	2,877.56
527	<input type="checkbox"/>	J876	58.65	3,059.09	1,250.00	39.14	2,103.28
528	<input type="checkbox"/>	J878	60.86	3,059.09	1,250.00	37.56	1,896.17
529	<input type="checkbox"/>	J88	65.83	3,067.94	1,250.00	57.77	4,388.06
530	<input type="checkbox"/>	J880	66.39	3,059.09	1,250.00	46.11	2,260.41
531	<input type="checkbox"/>	J882	70.37	3,059.22	1,250.00	55.81	3,095.93
532	<input type="checkbox"/>	J884	75.48	3,067.76	1,250.00	57.96	2,581.87
533	<input type="checkbox"/>	J886	67.62	3,067.76	1,250.00	60.09	5,430.79
534	<input type="checkbox"/>	J888	69.50	3,068.52	1,250.00	62.70	6,034.98
535	<input type="checkbox"/>	J890	67.49	3,068.31	1,250.00	60.69	6,076.72
536	<input type="checkbox"/>	J892	73.06	3,068.52	1,250.00	62.42	3,767.36
537	<input type="checkbox"/>	J894	64.41	3,068.32	1,250.00	57.86	6,207.82
538	<input type="checkbox"/>	J896	66.17	3,067.35	1,250.00	58.81	5,851.61
539	<input type="checkbox"/>	J898	65.62	3,067.39	1,250.00	55.95	3,988.59
540	<input type="checkbox"/>	J90	63.78	3,069.20	1,250.00	57.48	5,451.01
541	<input type="checkbox"/>	J900	63.68	3,067.39	1,250.00	55.61	4,822.76
542	<input type="checkbox"/>	J902	65.60	3,067.93	1,250.00	58.54	6,001.23
543	<input type="checkbox"/>	J904	54.22	3,067.82	1,250.00	45.33	3,654.87
544	<input type="checkbox"/>	J906	54.95	3,067.85	1,250.00	46.36	3,849.17
545	<input type="checkbox"/>	J908	60.81	3,067.86	1,250.00	52.42	4,343.23
546	<input type="checkbox"/>	J910	56.20	3,067.86	1,250.00	44.80	2,822.94
547	<input type="checkbox"/>	J912	58.08	3,067.86	1,250.00	49.04	3,820.00
548	<input type="checkbox"/>	J914	54.75	3,067.85	1,250.00	45.64	3,590.65
549	<input type="checkbox"/>	J916	55.07	3,067.85	1,250.00	43.57	2,734.28
550	<input type="checkbox"/>	J918	45.85	3,067.82	1,250.00	33.15	2,036.17
551	<input type="checkbox"/>	J920	45.39	3,067.82	1,250.00	28.11	1,601.60
552	<input type="checkbox"/>	J922	50.41	3,067.82	1,250.00	37.19	2,196.43
553	<input type="checkbox"/>	J924	44.86	3,067.82	1,250.00	29.78	1,739.35
554	<input type="checkbox"/>	J926	53.79	3,067.82	1,250.00	42.35	2,678.97
555	<input type="checkbox"/>	J928	50.37	3,067.82	1,250.00	39.42	2,593.38
556	<input type="checkbox"/>	J92FH	52.80	3,069.85	1,250.00	47.60	6,047.42
557	<input type="checkbox"/>	J930	50.26	3,067.82	1,250.00	37.05	2,189.45
558	<input type="checkbox"/>	J932	51.76	3,067.82	1,250.00	40.93	2,706.41
559	<input type="checkbox"/>	J934	53.42	3,067.82	1,250.00	32.23	1,658.07
560	<input type="checkbox"/>	J936	54.13	3,067.82	1,250.00	44.58	3,363.44



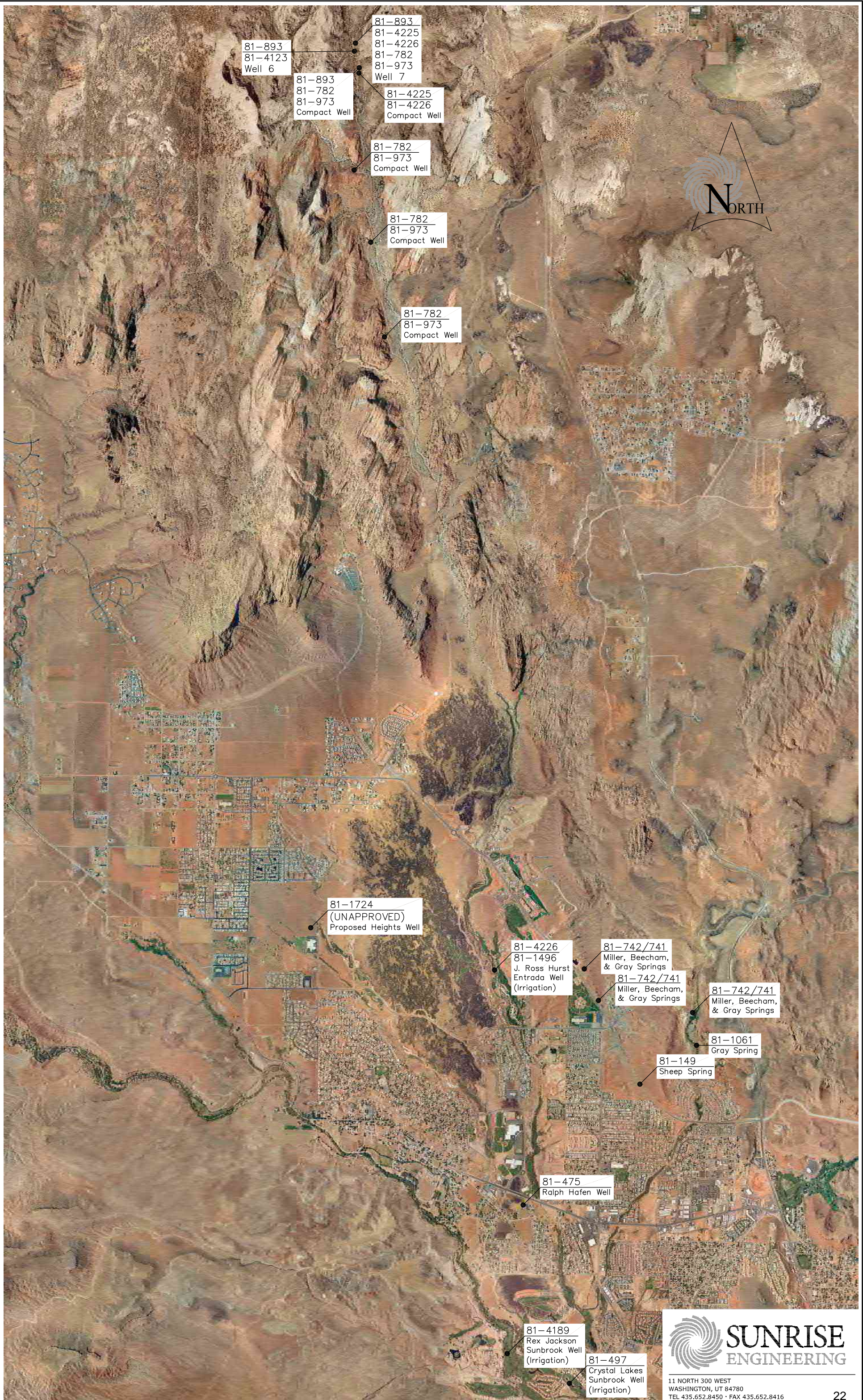
Peak Day Demand with Fire Flow

		ID	Static Pressure (psi)	Static Head (ft)	Fire-Flow Demand (gpm)	Residual Pressure (psi)	Hydrant Available Flow (gpm)
561	<input type="checkbox"/>	J938	66.09	3,070.83	1,250.00	59.32	5,731.62
562	<input type="checkbox"/>	J940	62.71	3,070.83	1,250.00	51.80	3,125.03
563	<input type="checkbox"/>	J942	70.19	3,069.00	1,250.00	64.48	7,637.58
564	<input type="checkbox"/>	J944	121.83	3,210.76	1,250.00	109.42	4,104.32
565	<input type="checkbox"/>	J946	99.30	3,212.54	1,250.00	98.53	25,054.83
566	<input type="checkbox"/>	J948	58.20	3,080.32	1,250.00	51.41	6,753.42
567	<input type="checkbox"/>	J94FH	51.79	3,069.51	1,250.00	46.45	5,880.22
568	<input type="checkbox"/>	J950	61.16	3,079.04	1,250.00	54.13	6,724.93
569	<input type="checkbox"/>	J952	61.08	3,080.72	1,250.00	52.66	4,512.55
570	<input type="checkbox"/>	J954	74.18	3,018.19	1,250.00	63.74	3,875.93
571	<input type="checkbox"/>	J960	74.07	3,021.94	1,250.00	64.42	3,537.15
572	<input type="checkbox"/>	J962	73.25	3,024.06	1,250.00	64.14	3,362.43
573	<input type="checkbox"/>	J964	71.88	3,026.88	1,250.00	65.07	3,496.53
574	<input type="checkbox"/>	J966	72.68	3,028.74	1,250.00	69.66	4,179.28
575	<input type="checkbox"/>	J968	67.12	3,069.90	1,250.00	61.82	8,076.51
576	<input type="checkbox"/>	J96FH	55.80	3,069.77	1,250.00	49.38	4,566.79
577	<input type="checkbox"/>	J970	63.14	3,069.72	1,250.00	56.37	5,186.79
578	<input type="checkbox"/>	J972	66.32	3,070.07	1,250.00	60.99	7,980.61
579	<input type="checkbox"/>	J974	65.38	3,069.89	1,250.00	60.01	7,708.01
580	<input type="checkbox"/>	J976	62.27	3,069.72	1,250.00	52.66	3,404.90
581	<input type="checkbox"/>	J978	59.54	3,071.41	1,250.00	53.81	6,735.23
582	<input type="checkbox"/>	J980	59.51	3,071.34	1,250.00	53.83	6,895.69
583	<input type="checkbox"/>	J982	62.04	3,071.18	1,250.00	56.42	7,307.87
584	<input type="checkbox"/>	J984	57.89	3,077.60	1,250.00	51.12	6,518.76
585	<input type="checkbox"/>	J986	65.41	3,073.96	1,250.00	59.00	7,115.55
586	<input type="checkbox"/>	J988	65.56	3,072.31	1,250.00	59.59	7,168.83
587	<input type="checkbox"/>	J98FH	58.14	3,070.17	1,250.00	51.39	4,428.65
588	<input type="checkbox"/>	J990	67.35	3,071.44	1,250.00	61.66	7,518.53
589	<input type="checkbox"/>	J992	64.15	3,071.05	1,250.00	58.61	7,566.67
590	<input type="checkbox"/>	J994	58.37	3,080.72	1,250.00	51.62	6,839.72
591	<input type="checkbox"/>	J996	69.14	3,069.56	1,250.00	63.18	6,508.39
592	<input type="checkbox"/>	J998	69.93	3,069.39	1,250.00	64.19	6,989.38



# APPENDIX C

## WATER RIGHTS INVENTORY



81-893  
81-4123  
Well 6

81-893  
81-4225  
81-4226  
81-782  
81-973  
Well 7

81-893  
81-782  
81-973  
Compact Well

81-4225  
81-4226  
Compact Well

81-782  
81-973  
Compact Well

81-782  
81-973  
Compact Well

81-782  
81-973  
Compact Well

81-1724  
(UNAPPROVED)  
Proposed Heights Well

81-4226  
81-1496  
J. Ross Hurst  
Entrada Well  
(Irrigation)

81-742/741  
Miller, Beecham,  
& Gray Springs

81-742/741  
Miller, Beecham,  
& Gray Springs

81-742/741  
Miller, Beecham,  
& Gray Springs

81-1061  
Gray Spring

81-149  
Sheep Spring

81-475  
Ralph Hafen Well

81-4189  
Rex Jackson  
Sunbrook Well  
(Irrigation)

81-497  
Crystal Lakes  
Sunbrook Well  
(Irrigation)



11 NORTH 300 WEST  
WASHINGTON, UT 84780  
TEL 435.652.8450 · FAX 435.652.8416  
www.sunrise-eng.com



APPENDIX D

OPINION OF PROBABLE COST



SUNRISE ENGINEERING INC.							
11 North 300 West, Washington, Utah 84780 Tel: (435) 652-8450 Engineer's Opinion of Probable Cost							
SANTA CLARA CITY WATER FACILITY PLAN PROJECTS							
						NW/MG	11/15/2022
NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>10" to 12" PRV Enlargement</b>							
13	Mobilization	1	LS	\$ 6,250	\$ 6,250	100%	\$ 6,250
14	Traffic Control	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
15	Materials Sampling & Testing	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
16	12" PVC Line, Fittings, Bedding, Backfill & Tracer Wire (C900, Class 150, SDR 18: or C909 PC150)	100	LN FT.	\$ 100.00	\$ 10,000	100%	\$ 10,000
17	12" PRV	1	EA	\$ 15,000.00	\$ 15,000	100%	\$ 15,000
18	PRV Station w/ Appurtenances	1	EA	\$ 100,000	\$ 100,000	100%	\$ 100,000
<b>SUBTOTAL</b>					\$ 141,250	100%	\$ 141,250
<b>CONTINGENCY</b>					20%	\$ 29,000	\$ 29,000
<b>CONSTRUCTION TOTAL</b>					\$ 170,250		\$ 170,250
<b>INCIDENTALS</b>							
17	Administration		LS	1%	\$ 1,800	100%	\$ 1,800
19	Engineering Design		LS	12.5%	\$ 21,300	100%	\$ 21,300
20	Engineering Construction Services		HOURLY	8%	\$ 13,700	100%	\$ 13,700
21	GIS Mapping	0	EST.		\$ 1,500	100%	\$ 1,500
							\$ -
<b>TOTAL PROJECT COST</b>					\$ 208,550	100%	\$208,550

SUNRISE ENGINEERING INC.							
11 North 300 West, Washington, Utah 84780 Tel: (435) 652-8450 Engineer's Opinion of Probable Cost							
SANTA CLARA CITY WATER FACILITY PLAN PROJECTS							
						NW/MG	11/15/2022
NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>12" Line Well Connection to Snow Canyon Tank</b>							
22	Mobilization	1	LS	\$ 137,500	\$ 137,500	100%	\$ 137,500
23	Traffic Control	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
24	Materials Sampling & Testing	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
23	12" PVC Line, Fittings, Bedding, Backfill & Tracer Wire (C900, Class 150, SDR 18: or C909 PC150)	26,000	LF	\$ 100	\$ 2,600,000	100%	\$ 2,600,000
25	Misc fittings, pipe, and valve assembly	1	LS	\$ 150,000	\$ 150,000	100%	\$ 150,000
<b>SUBTOTAL</b>					\$ 2,897,500	100%	\$ 2,897,500
<b>CONTINGENCY</b>					20%	\$ 580,000	\$ 580,000
<b>CONSTRUCTION TOTAL</b>					\$ 3,477,500		\$ 3,477,500
<b>INCIDENTALS</b>							
26	Administration		LS	1%	\$ 34,800	100%	\$ 34,800
27	Engineering Design		LS	9.0%	\$ 313,000	100%	\$ 313,000
28	Engineering Construction Services		HOURLY	8%	\$ 278,200	100%	\$ 278,200
29	Legal & Fiscal/Environmental	0	EST.		\$ 50,000	100%	\$ 50,000
30	Miscellaneous	0	EST.		\$ 15,000	100%	\$ 15,000
31	GIS Mapping	0	EST.		\$ 1,500	100%	\$ 1,500
							\$ -
<b>TOTAL PROJECT COST</b>					\$ 4,170,000		\$ 4,170,000

**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780

Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 11/15/2022

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>New Well</b>							
45	Mobilization	1	LS	\$ 68,350	\$ 68,350	100%	\$ 68,350
46	Traffic Control	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
47	Materials Sampling & Testing	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
46	Conductor Casing	1	LS	\$ 40,000	\$ 40,000	100%	\$ 40,000
48	20" Diameter Well Drilling	1,200	LF	\$ 200	\$ 240,000	100%	\$ 240,000
49	GeoPhysical Logging	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
50	18" Diameter Well Casing	1,200	LF	\$ 250	\$ 300,000	100%	\$ 300,000
51	18" Diameter Stainless Steel Screen	1,200	LF	\$ 200	\$ 240,000	100%	\$ 240,000
52	Misc pipes, fittings, etc	1	LS	\$ 50,000	\$ 50,000	100%	\$ 50,000
53	Conductor Casing Removal	1	LS	\$ 10,000	\$ 10,000	100%	\$ 10,000
54	Pea Gravel (Disinfected)	600	LF	\$ 15	\$ 9,000	100%	\$ 9,000
55	Disinfection	1	LS	\$ 5,000	\$ 5,000	100%	\$ 5,000
56	Well Drillers Report	1	LS	\$ 3,000	\$ 3,000	100%	\$ 3,000
57	Well Equipping	1	LS	\$ 175,000	\$ 175,000	100%	\$ 175,000
58	Well House Building	1	LS	\$ 175,000	\$ 175,000	100%	\$ 175,000
59	Well Site Electrical	1	LS	\$ 100,000	\$ 100,000	100%	\$ 100,000
60	Metering Manhole	1	EA	\$ 15,000.00	\$ 15,000	100%	\$ 15,000
			<b>SUBTOTAL</b>		\$ 1,445,350	100%	\$ 1,445,350
			<b>CONTINGENCY</b>	20%	\$ 290,000	100%	\$ 290,000
			<b>CONSTRUCTION TOTAL</b>		\$ 1,735,350		\$ 1,735,350
	<b>INCIDENTALS</b>						
61	Administration		LS	1%	\$ 17,400	100%	\$ 17,400
62	Engineering Design		LS	9.0%	\$ 156,200	100%	\$ 156,200
63	Engineering Construction Services		HOURLY	8%	\$ 138,900	100%	\$ 138,900
64	Legal & Fiscal/Environmental	0	EST.		\$ 50,000	100%	\$ 50,000
65	Miscellaneous	0	EST.		\$ 15,000	100%	\$ 15,000
66	GIS Mapping	0	EST.		\$ 1,500	100%	\$ 1,500
							\$ -
			<b>TOTAL PROJECT COST</b>		\$ 2,114,350		\$ 2,114,350

**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780  
Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 11/15/2022

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>Irrigation: Riesling Avenue 8" Line</b>							
1	Mobilization	1	LS	\$ 4,440	\$ 4,440	100%	\$ 4,440
2	8" PVC Irrigation Line (DR-18), Bedding, Backfill, Tracer Wire, Etc.	1,200	LF	\$ 60	\$ 72,000	100%	\$ 72,000
3	Misc Connections and Tie Ins	1	LS	\$ 2,400	\$ 2,400	100%	\$ 2,400
4	2.5" Bituminous Surface Coarse	3,600	SF	\$ 3.00	\$ 10,800	100%	\$ 10,800
5	6" Untreated Base Course	3,600	SF	\$ 1.00	\$ 3,600	100%	\$ 3,600
6			<b>SUBTOTAL</b>		\$ 93,240	100%	\$ 93,240
7				CONTINGENCY	20%	\$ 19,000	\$ 19,000.00
8			<b>CONSTRUCTION TOTAL</b>		\$ 112,240		\$ 112,240
9	<b>INCIDENTALS</b>						
10	Administration		LS	1%	\$ 1,200	100%	\$ 1,200
11	Engineering Design		LS	11.3%	\$ 12,700	100%	\$ 12,700
12	Engineering Construction Services		HOURLY	8%	\$ 9,000	100%	\$ 9,000
13	GIS Mapping		EST.		\$ 1,000	100%	\$ 1,000
						100%	
			<b>TOTAL PROJECT COST</b>		\$ 136,140	<b>100%</b>	\$ 136,140

**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780  
Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 11/15/2022

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>Irrigation: Crestview Drive 8" Line</b>							
1	Mobilization	1	LS	\$ 16,430	\$ 16,430	100%	\$ 16,430
2	8" PVC Irrigation Line (DR-18), Bedding, Backfill, Tracer Wire, Etc.	5,300	LF	\$ 60.00	\$ 318,000	100%	\$ 318,000
3	Misc Connections and Tie Ins	1	LS	\$ 10,600.00	\$ 10,600	100%	\$ 10,600
4	2.5" Bituminous Surface Coarse	15,900	SF	\$ 3.00	\$ 47,700	100%	\$ 47,700
5	6" Untreated Base Course	15,900	SF	\$ 1.00	\$ 15,900	100%	\$ 15,900
			<b>SUBTOTAL</b>		\$ 345,030	100%	\$345,030
				CONTINGENCY	20%	\$ 70,000	\$ 70,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 415,030		\$ 415,030
	<b>INCIDENTALS</b>						
6	Administration		LS	1%	\$ 4,200	100%	\$ 4,200
14	Engineering Design		LS	12.5%	\$ 51,900	100%	\$ 51,900
15	Engineering Construction Services		HOURLY	8%	\$ 33,300	100%	\$ 33,300
16	Legal & Fiscal/Interim Financing	0	EST.			100%	\$ -
17	Miscellaneous	0	EST.			100%	\$ -
18	GIS Mapping	0	EST.		\$ 800	100%	\$ 800
						100%	
			<b>TOTAL PROJECT COST</b>		\$ 505,230	<b>100%</b>	\$ 505,230



**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780

Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 11/15/2022

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>Irrigation: Villa Bonita 8" Line</b>							
19	Mobilization	1	LS	\$ 3,300	\$ 3,300	100%	\$ 3,300
20	8" PVC Irrigation Line (DR-18), Bedding, Backfill, Tracer Wire, Etc.	750	LF	\$ 60	\$ 45,000	100%	\$ 45,000
21	Misc Connections and Tie Ins	1	LS	\$ 1,500	\$ 12,000	100%	\$ 12,000
22	2.5" Bituminous Surface Coarse	2,250	SF	\$ 3.00	\$ 6,750	100%	\$ 6,750
23	6" Untreated Base Course	2,250	SF	\$ 1.00	\$ 2,250	100%	\$ 2,250
			<b>SUBTOTAL</b>		\$ 69,300	100%	\$ 69,300
				20%	\$ 14,000	100%	\$ 14,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 83,300		\$ 83,300
	INCIDENTALS						\$ -
24	Administration		LS	1%	\$ 900	100%	\$ 900
25	Engineering Design		LS	9.5%	\$ 8,000	100%	\$ 8,000
26	Engineering Construction Services		HOURLY	8%	\$ 6,700	100%	\$ 6,700
27	GIS Mapping	0	EST.		\$ 1,000	100%	\$ 1,000
						100%	\$ -
			<b>TOTAL PROJECT COST</b>		\$ 99,900	<b>100%</b>	\$ 99,900

**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780

Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 11/15/2022

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>Irrigation: North Town Road 8" Line</b>							
28	Mobilization	1	LS	\$ 18,075	\$ 18,075	100%	\$ 18,075
29	8" PVC Irrigation Line (DR-18), Bedding, Backfill, Tracer Wire, Etc.	4,885	LF	\$ 60	\$ 293,100	100%	\$ 293,100
30	Misc Connections and Tie Ins	1	LS	\$ 9,770	\$ 9,770	100%	\$ 9,770
31	2.5" Bituminous Surface Coarse	14,655	SF	\$ 3.00	\$ 43,965	100%	\$ 43,965
32	6" Untreated Base Course	14,655	SF	\$ 1.00	\$ 14,655	100%	\$ 14,655
			<b>SUBTOTAL</b>		\$ 379,565	100%	\$ 379,565
				20%	\$ 76,000	100%	\$ 76,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 455,565		\$ 455,565
	INCIDENTALS						\$ -
33	Administration		LS	1%	\$ 4,600	100%	\$ 4,600
34	Engineering Design		LS	12.5%	\$ 57,000	100%	\$ 57,000
35	Engineering Construction Services		HOURLY	8%	\$ 36,500	100%	\$ 36,500
36	Legal & Fiscal/ROW	0	EST.		\$ 20,000	100%	\$ 20,000
37	Miscellaneous	0	EST.		\$ 5,000	100%	\$ 5,000
38	GIS Mapping	0	EST.		\$ 1,000	100%	\$ 1,000
							\$ -
			<b>TOTAL PROJECT COST</b>		\$ 579,665	<b>100%</b>	\$ 579,665

**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780

Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 11/15/2022

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>Irrigation: Sycamore Drive 8" Line</b>							
39	Mobilization	1	LS	\$ 4,070	\$ 4,070	100%	\$ 4,070
40	8" PVC Irrigation Line (DR-18), Bedding, Backfill, Tracer Wire, Etc.	1,100	LF	\$ 60	\$ 66,000	100%	\$ 66,000
41	Misc Connections and Tie Ins	1	LS	\$ 2,200	\$ 2,200	100%	\$ 2,200
42	2.5" Bituminous Surface Coarse	3,300	SF	\$ 3.00	\$ 9,900	100%	\$ 9,900
43	6" Untreated Base Course	3,300	SF	\$ 1.00	\$ 3,300	100%	\$ 3,300
			<b>SUBTOTAL</b>		\$ 85,470	100%	\$ 85,470
				20%	\$ 18,000	100%	\$ 18,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 103,470		\$ 103,470
	<b>INCIDENTALS</b>						
44	Administration		LS	1%	\$ 1,100	100%	\$ 1,100
45	Engineering Design		LS	9.7%	\$ 10,100	100%	\$ 10,100
46	Engineering Construction Services		HOURLY	8%	\$ 8,300	100%	\$ 8,300
47	GIS Mapping	0	EST.		\$ 1,500	100%	\$ 1,500
							\$ -
			<b>TOTAL PROJECT COST</b>		\$ 124,470	<b>100%</b>	\$ 124,470

**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780

Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 11/15/2022

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>Irrigation: Claude Drive 8" Line</b>							
48	Mobilization	1	LS	\$ 4,070	\$ 4,070	100%	\$ 4,070
49	8" PVC Irrigation Line (DR-18), Bedding, Backfill, Tracer Wire, Etc.	1,100	LF	\$ 60	\$ 66,000	100%	\$ 66,000
50	Misc Connections and Tie Ins	1	LS	\$ 2,200	\$ 2,200	100%	\$ 2,200
51	2.5" Bituminous Surface Coarse	3,300	SF	\$ 3.00	\$ 9,900	100%	\$ 9,900
52	6" Untreated Base Course	3,300	SF	\$ 1.00	\$ 3,300	100%	\$ 3,300
			<b>SUBTOTAL</b>		\$ 85,470	100%	\$ 85,470
				20%	\$ 18,000	100%	\$ 18,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 103,470		\$ 103,470
	<b>INCIDENTALS</b>						
53	Administration		LS	1%	\$ 1,100	100%	\$ 1,100
54	Engineering Design		LS	9.7%	\$ 10,100	100%	\$ 10,100
55	Engineering Construction Services		HOURLY	8%	\$ 8,300	100%	\$ 8,300
56	GIS Mapping	0	EST.		\$ 1,500	100%	\$ 1,500
							\$ -
			<b>TOTAL PROJECT COST</b>		\$ 124,470	<b>100%</b>	\$ 124,470

**SUNRISE ENGINEERING INC.**

11 North 300 West, Washington, Utah 84780

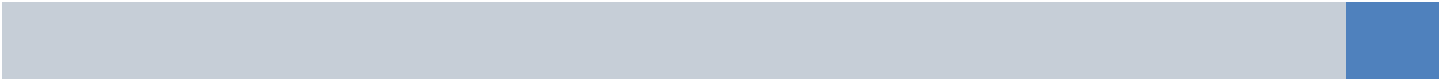
Tel: (435) 652-8450

**Engineer's Opinion of Probable Cost**

**SANTA CLARA CITY WATER FACILITY PLAN PROJECTS**

NW/MG 5/10/2023

NO.	DESCRIPTION	Est Quantity	Units	Unit Price	TOTAL COST	I.F. Eligible	Impact Fee Eligible Cost
<b>Irrigation: Additional Water Share Purchase</b>							
57	Water Share (4ac-ft)	20	EA	\$ 15,000	\$ 300,000	100%	\$ 300,000
			<b>SUBTOTAL</b>		\$ 300,000	100%	\$ 300,000
				20%	\$ 60,000	100%	\$ 60,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 360,000		\$ 360,000
	INCIDENTALS						
58	Administration/ Legal Services		LS	1%	\$ 3,600	100%	\$ 3,600
							\$ -
			<b>TOTAL PROJECT COST</b>		\$ 363,600	100%	\$ 363,600



# APPENDIX E

## PROJECTED CASH FLOW

CASHFLOW PROJECTIONS

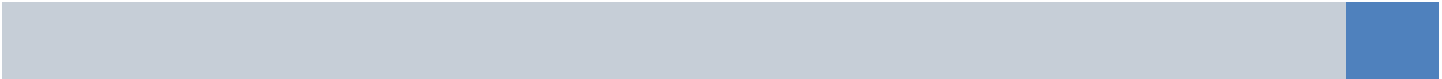
CULINARY WATER MASTER PLAN  
CITY OF SANTA CLARA

		Actual	Actual	Budget	Budget												
4																	
5	Fiscal Year Beginning July	0	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
6		0	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
7	Average Rate ERU	\$0.00	\$44.47	\$46.71	\$52.07	\$49.68	\$51.61	\$51.61	\$52.15	\$52.80	\$53.46	\$54.13	\$54.81	\$55.49	\$56.19	\$56.89	\$57.60
9	Connection Fee	\$0	\$172	\$631	\$215	\$215	\$221	\$228	\$235	\$242	\$249	\$257	\$264	\$272	\$281	\$289	\$298
10	Impact fee	\$1,973	\$1,973	\$1,973	\$1,973	\$1,973	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057
11	WCWCD Surcharge Rate/ERU	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75
1	<b>System Users:</b>																
2	Total Existing ERU's	2,414	3,068	3,216	3,252	3,424	3,629	3,775	3,926	4,083	4,246	4,416	4,592	4,776	4,967	5,166	5,372
3	New ERU's:	654	148	36	172	205	145	151	157	163	170	177	184	191	199	207	215
5	<b>REVENUES:</b>																
6	User Fees	0	1,637,198	1,802,728	2,031,985	2,041,250	2,292,740	2,384,450	2,505,775	2,638,581	2,778,426	2,925,682	3,080,743	3,244,023	3,415,956	3,597,002	3,787,643
7	Other Operating Revenues	0	139,998	84,942	158,000	53,500	55,105	56,758	58,461	60,215	62,021	63,882	65,798	67,772	69,805	71,900	74,057
8	Connection Fees	0	25,484	22,714	44,390	22,160	32,110	34,442	36,885	39,443	42,371	45,440	48,654	52,020	55,825	59,811	63,986
9	Impact Fees	1,290,342	227,663	191,619	346,860	167,840	443,808	461,560	480,023	499,224	519,192	539,960	561,559	584,021	607,382	631,677	656,944
10	Interest Income	0	17,491	13,434	10,000	7,500	6,576	23,339	42,356	35,963	22,723	9,826	10,433	10,499	18,622	6,839	11,556
11	Gain on Disposal	0	0	-6,026	32,000	0	0	0	0	0	0	0	0	0	0	0	0
12	WCWCD Surcharge	57,561															
	Estimated Irrigation User Fee																
13	<b>TOTAL REVENUE:</b>	<b>\$1,347,903</b>	<b>\$2,047,834</b>	<b>\$2,109,411</b>	<b>\$2,623,235</b>	<b>\$2,292,250</b>	<b>\$2,830,339</b>	<b>\$2,960,550</b>	<b>\$3,123,499</b>	<b>\$3,273,425</b>	<b>\$3,424,734</b>	<b>\$3,584,790</b>	<b>\$3,767,187</b>	<b>\$3,958,335</b>	<b>\$4,167,590</b>	<b>\$4,367,228</b>	<b>\$4,594,186</b>
15	<b>EXPENSES: (Inc. O&amp;M &amp; Debt Serv.)</b>	<b>4.50%</b>	<b>3.00%</b>	<b>6.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>
16	Salaries, Wages, & Benefits (100's)	0	579,020	564,331	566,416	569,740	598,227	628,138	659,545	692,523	727,149	763,506	801,681	841,765	883,854	928,046	974,449
17	Materials & Supplies (200's)	0	291,295	331,395	404,650	406,410	418,602	431,160	444,095	457,418	471,141	485,275	499,833	514,828	530,273	546,181	562,566
18	Professional & Technical Services (300's)	0	33,184	32,210	43,500	47,200	33,184	48,616	51,577	53,124	54,718	56,359	58,050	59,792	61,585	63,433	65,336
19	Special Dept. Materials & Supplies (400's)	0	68,410	42,571	139,500	64,500	66,435	68,428	70,481	72,595	74,773	77,016	79,327	81,707	84,158	86,683	89,283
20	Other Charges (500's)	0	573,277	499,653	501,000	26,000	26,780	27,583	28,411	29,263	30,141	31,045	31,977	32,936	33,924	34,942	35,990
21	Capital Expenses (700's)	0	3,213	11,892	898,500	163,000	167,890	172,927	178,115	183,458	188,962	194,631	200,469	206,484	212,678	219,058	225,630
22	Others (900's)	0	144,575	183,356	206,521	602,478	620,552	639,169	658,344	678,094	698,437	719,390	740,972	763,201	786,097	809,680	833,970
	Irrigation System Expenses								50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339
23	<b>Sub-Total Operation &amp; Maintenance</b>	<b>\$0</b>	<b>\$1,692,973</b>	<b>\$1,665,408</b>	<b>\$2,760,087</b>	<b>\$1,879,328</b>	<b>\$1,947,103</b>	<b>\$2,017,480</b>	<b>\$2,140,567</b>	<b>\$2,217,975</b>	<b>\$2,298,365</b>	<b>\$2,381,859</b>	<b>\$2,468,585</b>	<b>\$2,558,676</b>	<b>\$2,652,272</b>	<b>\$2,749,517</b>	<b>\$2,850,563</b>
25	<b>EXISTING DEBT SERVICE (800's)</b>																
26	Debt Payment to Water District	0	54,081	54,310	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600
27	All other Debt	0	50,941	46,826	381,834	285,722	285,722	285,722	285,722	285,722	285,722	285,722	285,722	285,722	285,722	285,722	285,722
28	<b>Sub-Total Existing Debt Service</b>	<b>\$0</b>	<b>\$105,022</b>	<b>\$101,136</b>	<b>\$445,434</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>
30	<b>NEW DEBT SERVICE</b>																
31	Division of Water Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Revenue Bond Reserves 10%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	<b>Sub-Total New Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
34	<b>Total Debt Service</b>	<b>\$0</b>	<b>\$105,022</b>	<b>\$101,136</b>	<b>\$445,434</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>
35	<b>PROPOSED PROJECT EXPENSES</b>																
	<b>Culinary: Water Right Recommendations</b>									18,000							
	Culinary: North Hamblin Pkwy to North Town Rd 12" Line								292,400								
	Culinary: 10" to 12" PRV Enlargement								208,550								
	Culinary: 12" Line Well Connection to Snow Canyon Tank									\$595,714	\$595,714	\$595,714	\$595,714	\$595,714	\$595,714	\$595,714	\$595,714
	Culinary: New Well															\$352,392	\$352,392
	Irrigation: Riesling Avenue 8" Line							\$	136,140								
	Irrigation: Crestview Drive 8" Line									\$252,615	\$252,615						
	Irrigation: Villa Bonita 8" Line											\$99,900					
	Irrigation: North Town Road 8" Line													\$579,665			
	Irrigation: Sycamore Drive 8" Line																\$124,470
	Irrigation: Claude Drive 8" Line																\$124,470
	Irrigation: Additional Water Share Purchase									\$72,720	\$72,720	\$72,720	\$72,720	\$72,720	\$72,720	\$72,720	\$72,720
36	Renewal and Replacement Fund	0	0	0	645,886	0	114,821	118,340	156,349	170,781	178,437	169,981	179,312	178,822	212,485	202,347	190,061
37	<b>TOTAL EXPENSES:</b>		<b>\$1,797,995</b>	<b>\$1,766,544</b>	<b>\$3,851,407</b>	<b>\$2,228,650</b>	<b>\$2,411,246</b>	<b>\$2,485,142</b>	<b>\$3,283,328</b>	<b>\$3,604,408</b>	<b>\$3,747,173</b>	<b>\$3,569,596</b>	<b>\$3,765,553</b>	<b>\$3,755,254</b>	<b>\$4,462,177</b>	<b>\$4,249,292</b>	<b>\$3,991,278</b>
38	<b>Net Cashflow</b>		<b>\$249,839</b>	<b>\$342,867</b>	<b>(\$1,228,172)</b>	<b>\$63,600</b>	<b>\$419,094</b>	<b>\$475,408</b>	<b>(\$159,829)</b>	<b>(\$330,983)</b>	<b>(\$322,439)</b>	<b>\$15,193</b>	<b>\$1,634</b>	<b>\$203,081</b>	<b>(\$294,587)</b>	<b>\$117,936</b>	<b>\$602,908</b>
40	Project Self Participation																
42	<b>CASH ON HAND</b>																
43	*Fund Balance	736,259	986,098	1,328,965	100,793	164,393	583,487	1,058,894	899,065	568,082	245,643	260,836	262,471	465,551	170,964	288,900	891,807
44	Renewal and Replacement Account Balance:	0	0	0	645,886	645,886	760,707	879,047	1,035,396	1,206,178	1,384,614	1,554,595	1,733,907	1,912,729	2,125,214	2,327,561	2,517,622
45	<b>Total</b>	<b>\$736,259</b>	<b>\$986,098</b>	<b>\$1,328,965</b>	<b>\$746,679</b>	<b>\$810,279</b>	<b>\$1,344,194</b>	<b>\$1,937,942</b>	<b>\$1,934,461</b>	<b>\$1,774,260</b>	<b>\$1,630,257</b>	<b>\$1,815,432</b>	<b>\$1,996,378</b>	<b>\$2,378,280</b>	<b>\$2,296,178</b>	<b>\$2,616,461</b>	<b>\$3,409,429</b>
46	*Fund Balance is obtained by adding the previous year's																
47	balance to the net cash flow, minus any self funded portion																
48	of future projects.																

CASHFLOW PROJECTIONS

CULINARY WATER MASTER PLAN  
CITY OF SANTA CLARA

4										
5	Fiscal Year Beginning July	2034	2035	2036	2037	2038	2039	2040	2041	2042
6		2035	2036	2037	2038	2039	2040	2041	2042	2043
7										
8	Average Rate ERU	\$59.05	\$59.79	\$60.53	\$61.29	\$62.06	\$62.83	\$63.62	\$64.41	\$65.22
9	Connection Fee	\$316	\$325	\$335	\$345	\$355	\$366	\$377	\$388	\$400
10	Impact fee	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057	\$3,057
11	WCWCD Surcharge Rate/ERU	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75	\$1.75
1	<b>System Users:</b>									
2	Total Existing ERU's	5,811	6,043	6,285	6,536	6,798	7,070	7,353	7,647	7,953
3	New ERU's:	232	242	251	261	272	283	294	306	318
4										
5	<b>REVENUES:</b>									
6	User Fees	4,199,772	4,422,360	4,656,745	4,903,553	5,163,441	5,437,103	5,725,270	6,028,709	6,348,231
7	Other Operating Revenues	78,567	80,924	83,351	85,852	88,427	91,080	93,813	96,627	99,627
8	Connection Fees	73,250	78,700	84,076	90,048	96,659	103,585	110,839	118,824	127,188
9	Impact Fees	710,551	738,973	768,532	799,273	831,244	864,494	899,073	935,036	972,438
10	Interest Income	76,143	123,485	178,309	241,245	327,791	424,488	532,148	651,638	783,896
11	Gain on Disposal	0	0	0	0	0	0	0	0	0
12	WCWCD Surcharge Estimated Irrigation User Fee									
13	<b>TOTAL REVENUE:</b>	<b>\$5,138,283</b>	<b>\$5,444,442</b>	<b>\$5,771,013</b>	<b>\$6,119,970</b>	<b>\$6,507,562</b>	<b>\$6,920,750</b>	<b>\$7,361,143</b>	<b>\$7,830,834</b>	<b>\$8,328,380</b>
14										
15	<b>EXPENSES: (Inc. O&amp;M &amp; Debt Serv.)</b>	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
16	Salaries, Wages, & Benefits (100's)	1,074,330	1,128,046	1,184,449	1,243,671	1,305,855	1,371,147	1,439,705	1,511,690	1,587,274
17	Materials & Supplies (200's)	596,827	614,732	633,174	652,169	671,734	691,886	712,642	734,022	756,042
18	Professional & Technical Services (300's)	69,315	71,394	73,536	75,742	78,014	80,355	82,765	85,248	87,806
19	Special Dept. Materials & Supplies (400's)	94,720	97,562	100,489	103,504	106,609	109,807	113,101	116,494	119,989
20	Other Charges (500's)	38,182	39,327	40,507	41,722	42,974	44,263	45,591	46,959	48,368
21	Capital Expenses (700's)	239,371	246,552	253,949	261,567	269,414	277,497	285,821	294,396	303,228
22	Others (900's)	884,759	911,302	938,641	966,800	995,804	1,025,678	1,056,449	1,088,142	1,120,787
	Irrigation System Expenses	67,196	69,212	71,288	73,427	75,629	77,898	80,235	82,642	85,122
23	<b>Sub-Total Operation &amp; Maintenance</b>	<b>\$3,064,700</b>	<b>\$3,178,127</b>	<b>\$3,296,032</b>	<b>\$3,418,602</b>	<b>\$3,546,033</b>	<b>\$3,678,532</b>	<b>\$3,816,310</b>	<b>\$3,959,594</b>	<b>\$4,108,615</b>
24										
25	<b>EXISTING DEBT SERVICE (800's)</b>									
26	Debt Payment to Water District	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600	63,600
27	All other Debt	285,722	285,722	285,722	285,722	285,722	285,722	285,722	285,722	285,722
28	<b>Sub-Total Existing Debt Service</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>
29										
30	<b>NEW DEBT SERVICE</b>									
31	Division of Water Resources	0	0	0	0	0	0	0	0	0
32	Revenue Bond Reserves 10%	0	0	0	0	0	0	0	0	0
33	<b>Sub-Total New Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
34	<b>Total Debt Service</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>	<b>\$349,322</b>
35	<b>PROPOSED PROJECT EXPENSES</b>									
	<b>Culinary: Water Right Recommendations</b>									
	Culinary: North Hamblin Pkwy to North Town Rd 12" Line									
	Culinary: 10" to 12" PRV Enlargement									
	Culinary: 12" Line Well Connection to Snow Canyon Tank									
	Culinary: New Well	\$352,392	\$352,392	\$352,392						
	Irrigation: Riesling Avenue 8" Line				\$	-				
	Irrigation: Crestview Drive 8" Line									
	Irrigation: Villa Bonita 8" Line									
	Irrigation: North Town Road 8" Line									
	Irrigation: Sycamore Drive 8" Line									
	Irrigation: Claude Drive 8" Line									
	Irrigation: Additional Water Share Purchase									
36	Renewal and Replacement Fund	188,321	193,992	199,887	188,396	194,768	201,393	208,282	215,446	222,897
37	<b>TOTAL EXPENSES:</b>	<b>\$3,954,734</b>	<b>\$4,073,833</b>	<b>\$4,197,633</b>	<b>\$3,956,320</b>	<b>\$4,090,123</b>	<b>\$4,229,246</b>	<b>\$4,373,914</b>	<b>\$4,524,362</b>	<b>\$4,680,834</b>
38										
39	<b>Net Cashflow</b>	<b>\$1,183,549</b>	<b>\$1,370,609</b>	<b>\$1,573,380</b>	<b>\$2,163,650</b>	<b>\$2,417,438</b>	<b>\$2,691,504</b>	<b>\$2,987,229</b>	<b>\$3,306,473</b>	<b>\$3,647,546</b>
40	Project Self Participation									
41										
42	<b>CASH ON HAND</b>									
43	*Fund Balance	3,087,128	4,457,737	6,031,117	8,194,767	10,612,206	13,303,710	16,290,939	19,597,412	23,244,958
44	Renewal and Replacement Account Balance:	2,888,806	3,082,798	3,282,686	3,471,082	3,665,850	3,867,242	4,075,524	4,290,970	4,513,867
45	<b>Total</b>	<b>\$5,975,934</b>	<b>\$7,540,535</b>	<b>\$9,313,803</b>	<b>\$11,665,849</b>	<b>\$14,278,055</b>	<b>\$17,170,952</b>	<b>\$20,366,463</b>	<b>\$23,888,381</b>	<b>\$27,758,824</b>
46	*Fund Balance is obtained by adding the previous year's									
47	balance to the net cash flow, minus any self funded portion									
48	of future projects.									



APPENDIX F  
IMPACT FEE CERTIFICATION

## CERTIFICATION OF IMPACT FEE ANALYSIS BY CONSULTANT

In accordance with Utah Code Annotated, § 11-36a-306 Nathan Wallentine, P.E., on behalf of Sunrise Engineering, Inc., makes the following certification:

I certify that the attached impact fee facilities plan and impact fee analysis:

1. Includes only the costs for qualifying public facilities that are:
  - a. Allowed under the Impact Fees Act; and
  - b. Actually incurred; or
  - c. Projected to be incurred or encumbered within six years after each impact fee is paid;
2. Does not include:
  - a. costs of operation and maintenance of public facilities;
  - b. costs for qualifying public facilities that will raise the level of service for the facilities, through impact fees, above the level of service that is supported by existing residents;
  - c. an expense for overhead, unless the expense is calculated pursuant to a methodology that is consistent with generally accepted cost accounting practices and that methodological standards set forth by the federal Office of Management and Budget for federal grant reimbursement; and
3. Offsets costs with grants or other alternate sources of payment (if grants or other sources of payment have been applied for and received and such information was made available when the Impact Fee Analysis was prepared); and
4. Complies in each and every relevant respect with the Impact Fees Act.

Nathan Wallentine, P.E. makes this certification with the following qualifications:

1. All of the recommendations for implementations of the Impact Fee Facilities Plan (“IFFP”) made in the IFFP documents or in the Impact Fee Analysis documents are followed in their entirety by Santa Clara City staff and elected officials.
2. If all or a portion of the IFFP’s or Impact Fee Analyses are modified or amended, this certification is no longer valid.
3. All information provided to Sunrise Engineering, Inc., its contractors or suppliers is assumed to be correct, complete and accurate. This includes information provided by the City and outside sources.



4. The undersigned is trained and licensed as a professional engineer and has not been trained or licensed as a lawyer. Nothing in the foregoing certification shall be deemed an opinion of law or an opinion of compliance with law which under applicable professional licensing laws or regulations or other laws or regulations must be rendered by a lawyer licensed in the State of Utah.
5. The foregoing Certification is an expression of professional opinion based on the undersigned's best knowledge, information and belief and shall not be construed as a warranty or guaranty of any fact or circumstance.
6. The foregoing certification is made only to Santa Clara City and may not be used or relied upon by any other person or entity without the expressed written authorization of the undersigned.

Sunrise Engineering, Inc.

By: 

Dated: August 2, 2023