
**SAN ANTONIO WATER COMPANY
FISCAL YEAR 2020 BUDGET**



Approved December 17th, 2019



General Manager's Message

Dear Board of Directors and Shareholders,

I am pleased to present you with the recommended budget for Fiscal Year 2020 (FY2020). We begin the year in a healthy financial position with the fiscal resources available to continue providing high quality service, replace a significant number of pipes, pumps and tanks, while maintaining emergency reserves. Given the current financial health of the Company, no rate increases are projected for the foreseeable future.

The presentation of this year's budget is a departure from prior years. We hope you find the information presented in a more meaningful format. As presented for FY2020, budget revenue is projected to be \$5.4M and expenditures are projected to be \$5.6M. Expenditures include all expected operating, non-operating and capital costs for the next year.

The Company's anticipated operating (non-capital) expenses total \$3.5M, a 1% increase over the previous year's budget. A reduction in needed facility repairs and legal expenses are offset by the inclusion of a Master Plan Update and Facility Assessment.

Operating revenue is expected to increase 7% from prior year, for a total of \$5.4M. This increase assumes that total water entitlement is increased to 13,000 acre-feet, from 12,000 acre-feet in 2019. The recommended 1,000 acre-foot increase in entitlement is attributable to surface water capture projects completed in 2018-19; the Edison Pond Intake Structure, Basin 6a Desilting and the Cucamonga Crosswalls Restoration. Completion of these projects allowed the Company to increase surface water capture during the above-average rainy season of 2019, contributing to increased surface water delivery and also a localized increase in groundwater levels around select wellheads.

Water sales account for 90% of the company's revenue; funding operations and capital projects (pipes, pumps and tanks). Remaining revenue comes from the sale of surplus property, lease income and interest income.

The Company's anticipated capital expenses total \$2.1M. We are planning to begin construction on many of the remaining 2017 Master Plan capital projects this upcoming budget year. An additional and major expense planned for this upcoming year will be completion of the 2020 Mater Plan and Asset Management Program. With this master plan we intend to chart the Company's asset management program for the next ten years, including a source-water loss-risk review to help prepare the Company for catastrophic impacts to our source water and system.

The greatest challenge facing the Company in 2020 will be completion of the capital replacement program. It is an aggressive program consisting of many projects. The Company's projected revenue allows an acceleration of capital projects above the estimated \$1.3M per year needed to replace infrastructure that has reached end-of-service life. Capital spending is projected to accelerate over the next few years to catch-up on pipes, pumps and tanks that have remained in service beyond their design life. Smaller projects are intended to be completed by staff. For larger projects the Company intends to rely on professional engineering

consultants to provide appropriate project management. Company staff intends to focus on managing the project managers.

In addition to replacement of pipes, pumps and tanks, the Company is continuing a multi-year review of Company administration and operation facilities, identifying Company facility needs and how to efficiently meet those needs. Money for the facility review is expected to come from the sale of surplus property, not rates. Any construction as a result of the facility assessment is not anticipated to begin any earlier than 2023.

Our year-end review shows an approximately \$6M balance in the Company's capital and operating reserves. The Company is currently reviewing our reserve and investment policies, intending to clarify both minimum and maximum fiscal reserve levels.

As mentioned earlier, the Company is proposing to accelerate the replacement of pipes, pumps and tanks above expected water sales revenue over the next three years. To that end, our 2020 budget relies on the use of approximately \$150k of our reserve funds for infrastructure replacement. At the end of 2020 remaining reserves available for emergency use should total about \$5.9M.

As a result of the Company's increased surface water capture and expected availability to deliver full entitlement in 2020, I am requesting that the Board consider reducing the water alert from 'Moderate Shortage Stage' to 'Conservation Program – Year Round Stage', per Company Resolution 2006-06-03. With this proposed change, restrictions on outdoor watering days would be lifted, allowing shareholders to irrigate on any day of the week they choose, while still restricting irrigation between 10am to 6pm. A smaller positive impact would remove the time restriction for washing of vehicles, while still requiring a shut-off nozzle.

A big thank you goes to Teri Layton, Salena Holley and the Administration Department for the incredible effort put forth in creating this new budget format. It was time well spent and very much appreciated. I remain thankful to the community for their input, both Committees for their efforts, and the full Board for providing both the vision and guidance necessary as we respond to the ever-changing challenges facing this Company.

A handwritten signature in blue ink, appearing to read "Jim C. Lee".

2020 Quick Data

- Annual Entitlement..... 13,000 acre-feet
(12,000 acre-feet in 2019)
- Total Company Shares as of January 1, 2020 6,389 shares
- Active Shares as of January 1, 2020 6,178 shares
(inactive shares are those shares currently not taking entitlement water)
- Yearly 2020 entitlement per share 2.035 acre-feet
- Total 2020 active share entitlement 12,570 acre-feet

- Estimated 2020 Water Production, by source:

Surface Water.....	4,425 acre-feet
Chino Groundwater Basin.....	1,232 acre-feet
Cucamonga Groundwater Basin.....	5,981 acre-feet
Six Basins Groundwater Basin	932 acre-feet
TOTAL	12,570 acre-feet

- Projected 2020 Revenue:

Shareholder	\$4,918,000
Non-shareholder	\$490,000
TOTAL	\$5,408,000

- Projected 2020 Expenses:

Operations and Maintenance.....	(\$1,776,000)
General Administrative	(\$1,726,000)
TOTAL	(\$3,502,000)

- Projected 2020 Capital Expenses..... (\$2,056,000)

- Projected 2020 Revenue minus Expenses..... (\$150,000)

- Reserves:

Cash on Deposit as of October 2019.....	\$6,008,787
Projected CoD as of December 2020	\$5,900,000

Company at a Glance

ORGANIZATIONAL

San Antonio Water Company (SAWCo) is a California mutual water company organized under California Corporations Code 14300, regulated under the United States Environmental Protection Agency (USEPA) Safe Drinking Water Act, monitored by the State of California through the Water Code & Health and Safety Code. We also report to the San Bernardino Local Agency Formation Commission (LAFCo).

The Company does not import any water. Instead we are dependent on our local San Antonio Canyon watershed and groundwater basins. Utilizing local water sources dramatically keeps costs down but also increases the risk associated with long term drought. Currently, our shareholders include most residents of the unincorporated area of San Antonio Heights, the Cities of Upland and Ontario, the Monte Vista Water District, the US Forest Service, the San Bernardino County Flood Control District, local quarries and the proud heritage of remaining local grove irrigators.

HEADCOUNT

The Company's vision is to be an organization that defines excellence in delivering high quality water in a cost-effective manner by meeting shareholder needs and entitlements. We will lead the way for water agencies in the region by developing key strategic partnerships, making maximum use of water capture and delivery facilities and technologies, and attracting high caliber employees by being a recognized employer of choice in the field.

None of this vision would be possible without an innovative, self-managed staff that has pride of ownership for their work product while providing exceptional service. This is all done currently with 9 full-time and 2 part-time employees.

Changes in 2019

- Office: 1 full-time position reduced to part-time

Management was able to grant a personal request to go to part-time by our Admin/Conservation Specialist while increasing the time worked for our part-time Administrative Assistant.

- Field: 1 full-time Water Utility Worker I resigned

Position will be filled by the end of the year.

Changes in 2020

- A benefit and compensation study is budgeted this year. Management last did this study in 2015/16.

STRATEGIC PLAN

In 2015, the Company went through a strategic planning process and out of this process, the following goals were developed:

- Evaluate and Prioritize Projects for Supply Maximization
- Develop Strategic Partnerships Initiate and Further Joint Projects
- Invest in Technology
- Define SAWCo's Assets & Needs
- Develop the Workforce of the Future
- Improve Internal Relationships

In 2020 the Company plans to continue reaching towards our goals by the following actions:

Evaluate and Prioritize Projects for Supply Maximization – Staff is proposing a 2020 Water Master Plan Update. This update will evaluate and prioritize projects for supply maximization. The process will include public participation and we strongly encourage our shareholders to participate.

Develop Strategic Partnerships to Initiate and Further Joint Projects – Staff continues to reach-out and build relationships with the different shareholders. We will continue to discuss joint projects that may be beneficial to our shareholders. the Master Plan update may uncover future possibilities.

Invest in Technology – A few years back, the company partnered with MIH to run a microbiological filtration process at its Well #31 site. While this technology is new to the United States, Europe has been using it for some time. The Company needs to consider where this technology would work best since we are currently utilizing all our water rights in the Cucamonga Basin without the added cost.

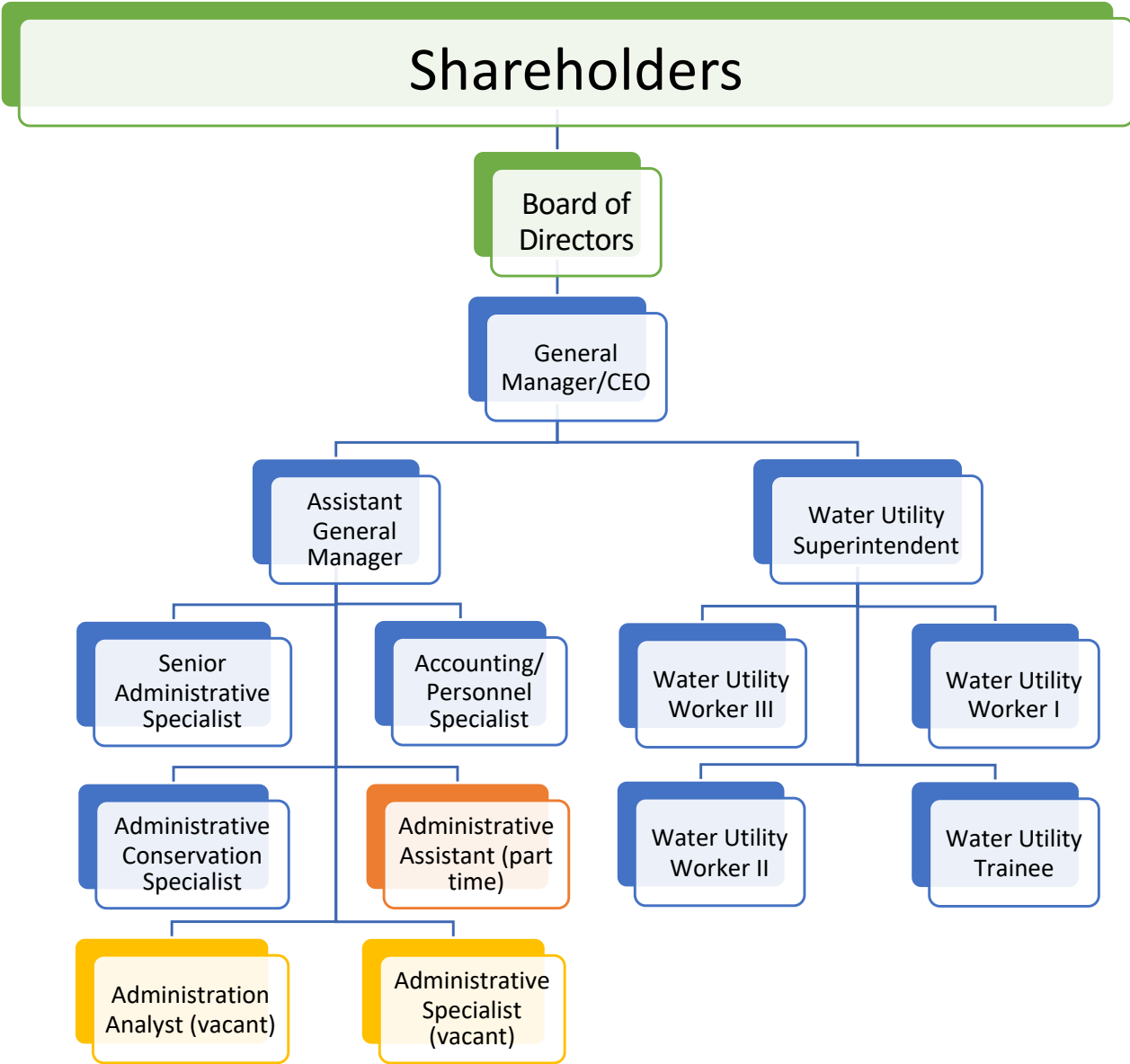
While Smart meters are not necessarily new technology, it would be an improvement to our domestic shareholders. This technology allows individual shareholders the ability to track their own usage and to know of possible leaks as soon as possible. The Company is reviewing the cost and benefit in 2020.

Another bit of technology that will help move the company in the right direction is the GIS Mapping. This will enable staff to pull up to information on the company facilities in the field with a laptop and locate critical piping and valving.

Define SAWCo's Assets & Needs – The company continues to take on additional responsibilities with limited staff and space. In order to meet these needs, staff is utilizing outside consultants and adjusting priorities. The office is currently not up to seismic code, nor is it ADA compliant. To correct these deficiencies would be costly for a building that is over 90 years old. In 2015, the Board formed a committee to start the process of relocating the office and yard into one facility at a property the Company already owns. In 2020, the Company is continuing to address the limited space, safety for its employees, and functionality for its shareholders and staff.

Develop the Workforce of the Future – Management continues to provide ongoing training for current employees and assess the needs of the company. Limited advancement opportunities due to our small staff and a perceived lower benefits package compared to local public water companies continue to hinder the recruitment process. The Company is currently attempting to obtain an eligibility letter from the Federal Government, which would allow us to engage CalPERS [Public Employees Retirement System] to compare actual costs and benefits. In 2020, we will hire a consultant to perform a benefit and comp study to keep us competitive with the current market.

Improve Internal Relationships – Recent public conversations have exposed a need to improve the distribution of information to our shareholders and employees. It is apparent that misinformation needs to be curtailed and corrected. The Company will conduct a public outreach campaign intended to inform and solicit feedback from our shareholders and employees. Strong leadership will help to carry the company in one direction.



San Antonio Water Company

2019 ACCOMPLISHMENTS:

- Approved Chino Basin Appropriative Pool Pooling Plan and Court Approved Management Agreement (CAMA)
- Adopted 9/80 Work Schedule
- Sold Property – 17th Street and Benson
- Cucamonga Basin Crosswall Rehabilitations
- Reservoir 7 Reroof and Liner
- Holly Drive Tank Pad and Retaining Wall
- Piedmont Drive Service Lateral Replacements
- Conversion to liquid chlorine at Shaft 6
- Stock Auction – May 2019
- Improved Relationships with Cucamonga Basin Parties
- Memorandum of Understanding with West Valley Mosquito and Vector Control District
- Ad Hoc Committee for new office/yard facilities
- Campus Avenue Waterline
- Updated and Improved Website
- On-line Payment Transaction Charge
- Start GIS Mapping
- SCADA Upgrade

2020 GOALS & OBJECTIVES:

- Revise and Improve Standard Financial Reports and Reporting Policy
- Compensation and Benefit Study*
- Update of Water Facilities Master Plan*
- Completion of a Facility Assessment*
- Update of Water Sanitary Survey*
- Office Equipment Upgrade [copier, 3 computers]
- Policy Manual
- GIS Mapping
- Pre-design of new office/yard facilities

* included under General Administrative Expenses – Other – Outside Services

FINANCIALS

DRAFT 2020 OPERATING BUDGET OVERVIEW

	2020 Budget	2019 Budget	2019 Actual thru Aug	2019 Projected	2018 Actual	2017 Actual	
SHAREHOLDER REVENUE							
1185 1	Domestic Water Income (Base)	\$ 301,000	\$ 340,000	\$ 142,284	\$ 213,426	\$ 243,142	\$ 205,055
1215 3	Domestic Water Income (Supplemental)	\$ 148,000	\$ 246,000	\$ 104,329	\$ 156,494	\$ 208,833	\$ 254,751
1220 4	Domestic Water Income (Tier 3)	\$ 105,000	\$ 206,000	\$ 115,056	\$ 172,584	\$ 262,440	\$ 186,041
1230 2	Domestic Water Income (Readi/Chrg)	\$ 200,000	\$ 200,000	\$ 133,301	\$ 199,952	\$ 199,271	\$ 199,967
1235 5	Domestic Water Availability Charge (WAC)	\$ 60,000	\$ 60,000	\$ 40,548	\$ 60,823	\$ 59,622	\$ 28,910
1245 6	Municipal Water Income (Base)	\$ 3,073,000	\$ 2,500,000	\$ 2,014,002	\$ 3,021,003	\$ 2,480,476	\$ 2,500,530
1260 8	Municipal Water Income (Supplemental)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 561,419
1268 7	Municipal Water Income (Readi/Chrg)	\$ 80,000	\$ 80,000	\$ 54,450	\$ 81,675	\$ 79,800	\$ 79,800
1274 10	Municipal Water Availability Charge (WAC)	\$ 477,000	\$ 477,000	\$ 317,766	\$ 476,649	\$ 476,320	\$ 166,232
1275 12	Misc Water Income (Base)	\$ 223,000	\$ 189,000	\$ 126,321	\$ 189,482	\$ 198,374	\$ 190,679
1276 9	Misc Water Income (Supplemental)	\$ 126,000	\$ 174,000	\$ 74,591	\$ 111,886	\$ 125,881	\$ 238,140
1280 13	Misc Water Income (Tier 3)	\$ 15,000	\$ 15,000	\$ 4,732	\$ 7,099	\$ 14,365	\$ 15,433
1288 11	Misc Water Income (Readi/Chrg)	\$ 23,000	\$ 23,000	\$ 15,380	\$ 23,070	\$ 24,070	\$ 23,730
1290 14	Misc Water Availability Charge (WAC)	\$ 24,000	\$ 23,000	\$ 15,376	\$ 23,064	\$ 23,064	\$ 11,532
1295 15	Dormant Water Availability Charge (WAC)	\$ 54,000	\$ 54,000	\$ 35,052	\$ 52,578	\$ 53,696	\$ 27,202
1302 16	Meter Service Fees (Connections)	\$ -	\$ -	\$ 3,881	\$ 5,822	\$ -	\$ 3,256
1400 35	Stock Transfer	\$ 5,000	\$ 5,000	\$ 2,250	\$ 3,375	\$ 4,800	\$ 3,630
1405 38	Capital Facilities Connection Fee	\$ -	\$ -	\$ 10,725	\$ 16,088	\$ -	\$ 5,691
1410 26	Late/Re-establishment Fee	\$ 4,000	\$ 5,000	\$ 4,275	\$ 6,413	\$ 5,770	\$ 3,740
1415 27	Drought Ordinance Violation Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100
1420 33	Return Check Fee	\$ -	\$ -	\$ 175	\$ 263	\$ 100	\$ 200
1425 28	Broken/Missing Lock Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25
1430 30	Stock Certificate Storage & Handling Fee	\$ -	\$ -	\$ 100	\$ 150	\$ 220	\$ 120
TOTAL		\$ 4,918,000	\$ 4,597,000	\$ 3,214,594	\$ 4,821,891	\$ 4,460,246	\$ 4,706,182
NON-SHAREHOLDER REVENUE							
1635 21	Development Plan Check Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1725 23	Miscellaneous Income	\$ 2,000	\$ 1,000	\$ 1,634	\$ 2,450	\$ 51	\$ 1,649
1728 31	Plans & Spec Fee	\$ -	\$ 2,000	\$ -	\$ -	\$ 125	\$ -
1730 24	Construction Permit & Inspection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,659
1750 32	Service/Litigation Agreements	\$ -	\$ 1,000	\$ 429	\$ 643	\$ 686	\$ 787
1753 18	Ground Lease Income	\$ 54,000	\$ 52,000	\$ 38,853	\$ 58,279	\$ 53,645	\$ 58,786
1755 17	Interest Income	\$ 90,000	\$ 48,000	\$ 62,397	\$ 93,596	\$ 62,015	\$ 29,337
1875 22	Overhead Income	\$ -	\$ -	\$ 736	\$ 1,104	\$ 2,468	\$ -
37	Gain on Sale of Assets	\$ 344,000	\$ 344,000	\$ -	\$ -	\$ -	\$ 17,802
Subtotal:		\$ 490,000	\$ 448,000	\$ 104,048	\$ 156,073	\$ 118,991	\$ 115,019
DEPRECIATION & OBSOLESCENCE REVENUE							
1300 36	Water Sales from Stored G. W. [D&O Reserves]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000
Subtotal:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000
Revenue Total:		\$ 5,408,000	\$ 5,045,000	\$ 3,318,643	\$ 4,977,964	\$ 4,579,237	\$ 5,001,201

	2020 Budget	2019 Budget	2019 Actual thru Aug	2019 Projected	2018 Actual	2017 Actual
FACILITIES & O&M EXPENSES						
Operating Facilities						
2175 20 Facility Related Field Labor	\$ 221,000	\$ 228,000	\$ 141,788	\$ 212,681	\$ 207,400	234,075
2235 21 Repairs to Facilities and Equipment	\$ 305,000	\$ 393,000	\$ (24,033)	\$ (36,049)	\$ 576,907	473,345
2265 22 Power-Gas & Electric (utilities)	\$ 600,000	\$ 725,000	\$ 361,597	\$ 542,396	\$ 776,905	588,303
Operating Facilities Total:	\$ 1,126,000	\$ 1,346,000	\$ 479,352	\$ 719,028	\$ 1,561,211	\$ 1,295,723
Operating Activities						
2475 18 Customer Services/Billing	\$ 86,000	\$ 85,000	\$ 51,637	\$ 77,456	\$ 94,764	77,589
2498 19 Conservation Activities	\$ 30,000	\$ 45,000	\$ 13,542	\$ 20,313	\$ 33,165	27,871
Operating Activities Total:	\$ 116,000	\$ 130,000	\$ 65,179	\$ 97,768	\$ 127,930	\$ 105,460
Other Operating Expense						
2205 24 Non-Facility Related Labor	\$ 83,000	\$ 87,000	\$ 51,232	\$ 76,848	\$ 83,899	86,082
2210 25 O&M - All Other	\$ 1,000	\$ 2,000	\$ 282	\$ 423	\$ 809	2,151
2280 26 Purchased Water	\$ -	\$ -	\$ -	\$ -	\$ -	0
2295 23 Supplies (Inventory & Tools Expense)	\$ 10,000	\$ 10,000	\$ 4,945	\$ 7,417	\$ 5,221	15,304
2715 28 Property Taxes	\$ 220,000	\$ 247,000	\$ 107,475	\$ 161,212	\$ 216,774	218,227
2805 27 Wtr. Resource Mgmt. (Basin Assm'ts)	\$ 220,000	\$ 300,000	\$ 53,309	\$ 79,963	\$ 220,869	200,078
2850 30 Inventory Shrinkage	\$ -	\$ -	\$ -	\$ -	\$ -	160
Other Operating Expense Total:	\$ 534,000	\$ 646,000	\$ 217,242	\$ 325,863	\$ 527,573	\$ 521,842
O & M Expense Total:	\$ 1,776,000	\$ 2,122,000	\$ 761,773	\$ 1,142,659	\$ 2,216,714	\$ 1,923,025

GENERAL ADMINISTRATIVE EXPENSES						
Personnel						
2115 2 Administrative Services	\$ 295,000	\$ 223,000	\$ 187,812	\$ 281,718	\$ 232,498	206,212
2130 3 Development/Water Svc App	\$ 1,000	\$ 2,000	\$ 420	\$ 631	\$ 876	1,878
2325 13 Taxes - Payroll (office and field)	\$ 78,000	\$ 70,000	\$ 49,338	\$ 74,007	\$ 70,873	67,213
2355 4 Worker's Compensation Insurance	\$ 16,000	\$ 18,000	\$ 9,710	\$ 14,565	\$ 14,997	16,642
2385 5 Benefit Pay (Vac., Sick, Etc.)	\$ 147,000	\$ 143,000	\$ 92,233	\$ 138,350	\$ 172,649	138,241
2415 6 Benefit Insurance (Pension, Life, Medical, Dental, Vision)	\$ 241,000	\$ 223,000	\$ 147,779	\$ 221,669	\$ 207,301	226,182
2430 7 Benefit Administrative Services	\$ 1,000	\$ 2,000	\$ 1,197	\$ 1,796	\$ 1,375	1,425
Personnel Total:	\$ 779,000	\$ 681,000	\$ 488,490	\$ 732,735	\$ 700,569	\$ 657,793
Other						
2445 9 Office/ IT Support	\$ 70,000	\$ 62,000	\$ 43,025	\$ 64,537	\$ 61,979	55,281
2505 1 Directors Fees & Expenses	\$ 32,000	\$ 35,000	\$ 21,092	\$ 31,637	\$ 33,283	31,580
2535 11 Liability Insurance (Non-empl. benef.)	\$ 39,000	\$ 32,000	\$ 28,891	\$ 43,337	\$ 27,227	31,778
2595 14 Communications	\$ 106,000	\$ 92,000	\$ 51,792	\$ 77,688	\$ 21,671	31,127
2625 15 Dues & Subscriptions	\$ 3,000	\$ 4,000	\$ 1,967	\$ 2,950	\$ 2,450	3,339
2655 10 Outside Services	\$ 349,000	\$ 81,000	\$ 10,202	\$ 15,303	\$ 37,749	60,271
2745 12 Taxes - Income	\$ 8,000	\$ 8,000	\$ 9,900	\$ 14,850	\$ 9,830	7,395
2775 8 Accounting Expense	\$ 76,000	\$ 59,000	\$ 63,339	\$ 95,009	\$ 62,494	54,968
2276 8 Legal Expense	\$ 180,000	\$ 242,000	\$ 121,444	\$ 182,166	\$ 213,557	158,695
2790 16 Human Resource Expense	\$ 42,000	\$ 39,000	\$ 28,445	\$ 42,667	\$ 45,398	34,010
2865 17 All Other	\$ 42,000	\$ 40,000	\$ 19,279	\$ 28,918	\$ 33,144	30,040
Other Total:	\$ 947,000	\$ 694,000	\$ 399,374	\$ 599,061	\$ 548,782	\$ 498,484
G. & A. Expense Total:	\$ 1,726,000	\$ 1,375,000	\$ 887,864	\$ 1,331,796	\$ 1,249,351	\$ 1,156,277

Capital Expenditure						
Facilities	\$ 2,022,000					
Equipment	\$ 34,100					
CIP Total:	\$ 2,056,100					

Total Revenue:	\$ 5,408,000					
Total Expenses excluding CIP:	\$ 3,502,000	\$ 3,497,000	\$ 1,649,636	\$ 2,474,455	\$ 3,466,065	\$ 3,079,302
Total Expenses including CIP:	\$ 5,558,100					
Net Income without D&O funds:	\$ 1,906,000	\$ 1,548,000	\$ 1,669,006	\$ 2,503,509	\$ 1,113,172	\$ 1,741,899
Net Income with D&O funds:	\$ 1,906,000	\$ 1,548,000	\$ 1,669,006	\$ 2,503,509	\$ 1,113,172	\$ 1,921,899

2565 29 Depreciation	\$ 901,000	\$ 974,807	\$ 454,249	\$ 908,499	\$ 881,254	913,315
Net income excluding Capital Expenditures less Depreciation	\$ 1,005,000	\$ 573,193	\$ 1,214,757	\$ 1,595,011	\$ 231,918	\$ 1,008,584
Net income including Capital Expenditures less Depreciation	\$ (1,051,100)					
Net income including Capital Expenditures	\$ (150,100)					
Net income including Capital Expenditures less NSR	\$ (640,100)					

DRAFT 2020 OPERATING BUDGET REVENUE

		2020												TOTAL	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
SHAREHOLDER REVENUE															
1185	1	Domestic Water Income (Base)	\$ 17,100	\$ 17,100	\$ 19,400	\$ 22,700	\$ 29,100	\$ 30,300	\$ 33,400	\$ 32,900	\$ 28,200	\$ 27,500	\$ 23,500	\$ 19,400	\$ 300,600
1215	3	Domestic Water Income (Supplemental)	\$ 8,400	\$ 8,400	\$ 9,500	\$ 11,200	\$ 14,300	\$ 14,900	\$ 16,400	\$ 16,200	\$ 13,800	\$ 13,500	\$ 11,500	\$ 9,500	\$ 147,600
1220	4	Domestic Water Income (Tier 3)	\$ 5,900	\$ 5,900	\$ 6,800	\$ 7,900	\$ 10,100	\$ 10,500	\$ 11,600	\$ 11,400	\$ 9,800	\$ 9,600	\$ 8,200	\$ 6,800	\$ 104,500
1230	2	Domestic Water Income (Readi/Chrg)	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 16,700	\$ 200,400
1235	5	Domestic Water Availabilty Charge (WAC)	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 60,000
1245	6	Municipal Water Income (Base)	\$ 173,600	\$ 173,000	\$ 198,500	\$ 230,200	\$ 292,700	\$ 303,600	\$ 332,300	\$ 328,500	\$ 304,500	\$ 298,600	\$ 237,000	\$ 200,800	\$ 3,073,300
1260	8	Municipal Water Income (Supplemental)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1268	7	Municipal Water Income (Readi/Chrg)	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 6,650	\$ 79,800
1276	9	Municipal Water Availability Charge (WAC)	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 39,732	\$ 476,784
1274	10	Misc Water Income (Base)	\$ 6,000	\$ 3,600	\$ 9,800	\$ 18,700	\$ 17,700	\$ 24,900	\$ 29,000	\$ 27,700	\$ 28,300	\$ 22,300	\$ 21,400	\$ 13,800	\$ 223,200
1275	12	Misc Water Income (Supplemental)	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500	\$ 126,000
1280	13	Misc Water Income (Tier 3)	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 1,250	\$ 15,000
1288	11	Misc Water Income (Readi/Chrg)	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 1,900	\$ 22,800
1290	14	Misc Water Availability Charge (WAC)	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 24,000
1295	15	Dormant Water Availability Charge (WAC)	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 54,000
1302	16	Meter Service Fees (Connections)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1400	35	Stock Transfer	\$ -	\$ 750	\$ -	\$ 750	\$ -	\$ 750	\$ -	\$ 750	\$ -	\$ 750	\$ -	\$ 750	\$ 4,500
1405	38	Capital Facilities Connection Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1410	26	Late/Re-establishment Fee	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 3,600
1415	27	Drought Ordinance Violation Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1420	33	Return Check Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1425	28	Broken/Missing Lock Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1430	30	Stock Certificate Storage & Handling Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal:			\$ 299,532	\$ 297,282	\$ 332,532	\$ 379,982	\$ 452,432	\$ 473,482	\$ 511,232	\$ 505,982	\$ 473,132	\$ 460,782	\$ 390,132	\$ 339,582	\$ 4,916,084
NON-SHAREHOLER REVENUE															
1635	21	Development Plan Check Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1725	23	Miscellaneous Income	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 167	\$ 2,004.00
1728	31	Plans & Spec Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1730	24	Construction Permit & Inspection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1750	32	Service/Litigation Agreements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1753	18	Ground Lease Income	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 54,000.00
1755	17	Interest Income	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	\$ 90,000.00
1875	22	Overhead Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		Gain on Sale of Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 344,000	\$ 344,000.00
Subtotal:			\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 12,167.00	\$ 356,167.00	\$ 490,004.00
DEPRECIATION & OBSOLESCENCE REVENUE															
1300	36	Water Sales from Stored G. W. [D&O Reserves]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal:			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Total:			\$ 311,699	\$ 309,449	\$ 344,699	\$ 392,149	\$ 464,599	\$ 485,649	\$ 523,399	\$ 518,149	\$ 485,299	\$ 472,949	\$ 402,299	\$ 695,749	\$ 5,406,088

DRAFT 2020 OPERATING BUDGET EXPENSES

FACILITIES & O&M EXPENSES		2020												TOTAL		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Operating Facilities																
2175	20 Facility Related Field Labor	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 18,416.67	\$ 221,000.00
2235	21 Repairs to Facilities and Equipment	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 25,416.67	\$ 305,000.00
2265	22 Power-Gas & Electric (utilities)	\$ 36,120.00	\$ 36,120.00	\$ 36,120.00	\$ 54,180.00	\$ 54,180.00	\$ 54,180.00	\$ 72,240.00	\$ 72,240.00	\$ 72,240.00	\$ 42,140.00	\$ 42,140.00	\$ 30,100.00			\$ 602,000.00
Operating Facilities Total:		\$ 79,953.33	\$ 79,953.33	\$ 79,953.33	\$ 98,013.33	\$ 98,013.33	\$ 98,013.33	\$ 116,073.33	\$ 116,073.33	\$ 116,073.33	\$ 85,973.33	\$ 85,973.33	\$ 73,933.33			\$ 1,128,000.00
Operating Activities																
2475	18 Customer Services/Billing	\$ 6,020.00	\$ 6,020.00	\$ 17,200.00	\$ 6,020.00	\$ 6,020.00	\$ 6,020.00	\$ 6,020.00	\$ 6,020.00	\$ 6,020.00	\$ 6,020.00	\$ 8,600.00	\$ 6,020.00			\$ 86,000.00
2498	19 Conservation Activities	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00			\$ 30,000.00
Operating Activities Total:		\$ 8,520.00	\$ 8,520.00	\$ 19,700.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 11,100.00	\$ 8,520.00			\$ 116,000.00
Other Operating Expense																
2205	24 Non-Facility Related Labor	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67	\$ 6,916.67			\$ 83,000.00
2210	25 O&M - All Other	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33			\$ 1,000.00
2280	26 Purchased Water	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -
2295	23 Supplies (Inventory & Tools Expense)	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33	\$ 833.33			\$ 10,000.00
2715	28 Property Taxes	\$ -	\$ -	\$ 110,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000.00			\$ 220,000.00
2805	27 Wtr. Resource Mgmt. (Basin Assm'ts)	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 13,636.36	\$ 70,000.00	\$ 13,636.36			\$ 220,000.00
2850	30 Inventory Shrinkage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -
Other Operating Expense Total:		\$ 21,469.70	\$ 21,469.70	\$ 131,469.70	\$ 21,469.70	\$ 21,469.70	\$ 21,469.70	\$ 21,469.70	\$ 21,469.70	\$ 21,469.70	\$ 21,469.70	\$ 77,833.33	\$ 131,469.70			\$ 534,000.00
O & M Expense Total:		\$ 109,943.03	\$ 109,943.03	\$ 231,123.03	\$ 128,003.03	\$ 128,003.03	\$ 128,003.03	\$ 146,063.03	\$ 146,063.03	\$ 146,063.03	\$ 115,963.03	\$ 174,906.67	\$ 213,923.03			\$ 1,778,000.00
GENERAL ADMINISTRATIVE EXPENSES																
Personnel																
2115	2 Administrative Services	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33	\$ 24,583.33			\$ 295,000.00
2130	3 Development/Water Svc App	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33	\$ 83.33			\$ 1,000.00
2325	13 Taxes - Payroll (office and field)	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00			\$ 78,000.00
2355	4 Worker's Compensation Insurance	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33	\$ 1,333.33			\$ 16,000.00
2385	5 Benefit Pay (Vac., Sick, Etc.)	\$ 22,050.00	\$ 9,555.00	\$ 9,555.00	\$ 9,555.00	\$ 9,555.00	\$ 9,555.00	\$ 9,555.00	\$ 9,555.00	\$ 9,555.00	\$ 9,555.00	\$ 29,400.00	\$ 29,400.00			\$ 147,000.00
2415	6 Benefit Insurance (Pension, Life, Medical, Dental, Vision)	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80	\$ 20,058.80			\$ 240,705.55
2430	7 Benefit Administrative Services	\$ -	\$ -	\$ -	\$ -	\$ 95.53	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,269.22	\$ -			\$ 1,364.75
Personnel Total:		\$ 74,608.80	\$ 62,113.80	\$ 62,113.80	\$ 62,113.80	\$ 62,209.33	\$ 62,113.80	\$ 62,113.80	\$ 62,113.80	\$ 62,113.80	\$ 62,113.80	\$ 63,383.01	\$ 62,113.80	\$ 81,958.80		\$ 779,070.30
Other																
2445	9 Office/ IT Support	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33			\$ 70,000.00
2505	1 Directors Fees & Expenses	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67	\$ 2,666.67			\$ 32,000.00
2535	11 Liability Insurance (Non-empl. benft.)	\$ -	\$ -	\$ -	\$ 39,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 39,000.00
2595	14 Communications	\$ 5,300.00	\$ 5,300.00	\$ 15,900.00	\$ 5,300.00	\$ 5,300.00	\$ 15,900.00	\$ 5,300.00	\$ 5,300.00	\$ 15,900.00	\$ 5,300.00	\$ 5,300.00	\$ 15,900.00			\$ 106,000.00
2625	15 Dues & Subscriptions	\$ 930.00	\$ -	\$ -	\$ -	\$ -	\$ 930.00	\$ -	\$ 300.00	\$ 840.00	\$ -	\$ -	\$ -			\$ 3,000.00
2655	10 Outside Services	\$ 10,750.00	\$ 25,750.00	\$ 51,750.00	\$ 51,750.00	\$ 51,750.00	\$ 51,750.00	\$ 51,750.00	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00			\$ 349,000.00
2745	12 Taxes - Income	\$ -	\$ -	\$ 6,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000.00			\$ 8,000.00
2775	8 Accounting Expense	\$ 4,836.36	\$ 4,836.36	\$ 22,800.00	\$ 4,836.36	\$ 4,836.36	\$ 4,836.36	\$ 4,836.36	\$ 4,836.36	\$ 4,836.36	\$ 4,836.36	\$ 4,836.36	\$ 4,836.36			\$ 76,000.00
2276	8 Legal Expense	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00			\$ 180,000.00
2790	16 Human Resource Expense	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00			\$ 42,000.00
2865	17 All Other	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00			\$ 42,000.00
Other Total:		\$ 52,316.36	\$ 66,386.36	\$ 126,950.00	\$ 131,386.36	\$ 92,386.36	\$ 103,916.36	\$ 92,386.36	\$ 51,686.36	\$ 62,826.36	\$ 51,386.36	\$ 51,386.36	\$ 63,986.36			\$ 947,000.00
G. & A. Expense Total:		\$ 126,925.16	\$ 128,500.16	\$ 189,063.80	\$ 193,500.16	\$ 154,595.69	\$ 166,030.16	\$ 154,500.16	\$ 113,800.16	\$ 124,940.16	\$ 114,769.38	\$ 113,500.16	\$ 145,945.16			\$ 1,726,070.30
Total Expenses:		\$ 236,868.19	\$ 238,443.19	\$ 420,186.83	\$ 321,503.19	\$ 282,598.72	\$ 294,033.19	\$ 300,563.19	\$ 259,863.19	\$ 271,003.19	\$ 230,732.41	\$ 288,406.83	\$ 359,868.19			\$ 3,504,070.30

DRAFT 2020 OPERATING BUDGET EQUIPMENT

		DRAFT 2020 EQUIPMENT												TOTAL
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
#	Equipment Purchases													
1	Color copier/scanner replacement for Administration						\$ 10,000							\$ 10,000
2	Check Scanner replacment for Administration				\$ 4,000									\$ 4,000
3	Computers		\$ 6,000					\$ 6,000						\$ 12,000
4	Asphalt Concrete Cutting Saw			\$ 3,600										\$ 3,600
5	Pipeline Locator					\$ 2,000								\$ 2,000
6	Misc. Hand Tools for Trucks		\$ 500		\$ 500		\$ 500		\$ 500					\$ 2,000
7	Submersible Trash Pump w/ hoses	\$ 500												\$ 500
Total		\$ 500	\$ 6,500	\$ 3,600	\$ 4,500	\$ 2,000	\$ 10,500	\$ 6,000	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ 34,100

DRAFT 2020 OPERATING BUDGET CAPITAL IMPROVEMENTS

		DRAFT 2020 CIP												TOTAL
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
#	Domestic Water System													
1	Holly Drive Tank, Phase II				\$ 95,400	\$ 95,400	\$ 95,400	\$ 95,400	\$ 95,400					\$ 477,000
2	Glendale Road between Mountain and Park	\$ 2,500	\$ 2,500	\$ 3,000			\$ 17,000	\$ 17,000						\$ 42,000
3	Cliff near Euclid Crescent and Cliff	\$ 18,667	\$ 18,667	\$ 18,667		\$ 56,000	\$ 56,000	\$ 56,000	\$ 56,000					\$ 280,000
4	Primrose, north of 25th		\$ 9,000	\$ 9,000		\$ 21,750	\$ 21,750	\$ 21,750	\$ 21,750					\$ 105,000
5	Linda, north of 24th			\$ 7,333	\$ 7,333	\$ 7,333			\$ 28,000	\$ 28,000	\$ 28,000	\$ 28,000		\$ 134,000
6	Domestic Water Meter Replacement (1,215 meters/15yrs)								\$ 25,000	\$ 25,000				\$ 50,000
7	SCADA PLC Controller Replacement		\$ 10,000	\$ 20,000	\$ 10,000									\$ 40,000
8	Cucamonga Crosswall Enviro Mitigation				\$ 50,000				\$ 23,000					\$ 73,000
9	Frankish Tunnel Pipeline Repair and Meter Install						\$ 5,000	\$ 5,000		\$ 15,000	\$ 15,000			\$ 40,000
10	Site 19 Well										\$ 26,667	\$ 26,667	\$ 26,667	\$ 80,000
11	Company Geographical Information System	\$ 10,000	\$ 20,000	\$ 10,000										\$ 40,000
	Total	\$ 31,167	\$ 60,167	\$ 68,000	\$ 162,733	\$ 180,483	\$ 195,150	\$ 195,150	\$ 249,150	\$ 68,000	\$ 69,667	\$ 54,667	\$ 26,667	\$ 1,361,000
Irrigation System														
12	Water Meter Replacement (15yrs)						\$ 10,000	\$ 10,000						\$ 20,000
13	SCADA PLC Controller Replacement		\$ 10,000	\$ 20,000	\$ 10,000									\$ 40,000
14	Reservoir 9 Pipeline Replacement				\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000			\$ 81,600	\$ 81,600	\$ 81,600	\$ 324,800
15	Viewpoint, Canyon View to Campus	\$ 11,500	\$ 11,500	\$ 11,500	\$ 11,500			\$ 76,667	\$ 76,667	\$ 76,667				\$ 276,000
	Total	\$ 11,500	\$ 21,500	\$ 31,500	\$ 41,500	\$ 20,000	\$ 30,000	\$ 106,667	\$ 76,667	\$ 76,667	\$ 81,600	\$ 81,600	\$ 81,600	\$ 660,800
	TOTAL	\$ 42,667	\$ 81,667	\$ 99,500	\$ 204,233	\$ 200,483	\$ 225,150	\$ 301,817	\$ 325,817	\$ 144,667	\$ 151,267	\$ 136,267	\$ 108,267	\$ 2,021,800

Design/Engineering
Construction

CAPITAL IMPROVEMENTS

Company CIP Needs

Domestic System	Number		Per facility replacement cost	Facilities cost	Design Life	Cost per year
Wells	3	ea	\$ 1,000,000	\$ 3,000,000	25	\$ 120,000
Reservoirs	7,560,000	gallons	\$ 1.25	\$ 9,450,000	80	\$ 118,000
Booster Stations	6	ea	\$ 400,000	\$ 2,400,000	40	\$ 60,000
Intakes	2	ea	\$ 400,000	\$ 800,000	40	\$ 20,000
Pipelines	133,256	lf	\$ 200	\$ 26,651,200	80	\$ 333,000
TOTAL YEARLY CIP BUDGET						\$ 651,000

Irrigation System	Number		Per facility replacement cost	Facilities cost	Design Life	Cost per year
Wells	7	ea	\$ 1,000,000	\$ 7,000,000	25	\$ 280,000
Reservoirs	3,000,000	gallons	\$ 1.25	\$ 3,750,000	80	\$ 47,000
Booster Stations	3	ea	\$ 400,000	\$ 1,200,000	40	\$ 30,000
Intakes	2	ea	\$ 400,000	\$ 800,000	40	\$ 20,000
Pipelines	112,967	lf	\$ 200	\$ 22,593,400	80	\$ 282,000
TOTAL YEARLY CIP BUDGET						\$ 659,000

TOTAL COMPANY YEARLY CIP BUDGET **\$ 1,310,000**

Project Title: **Holly Drive Tank, Phase II**

Total Budget: **\$527,000**

Engineering: \$50,000

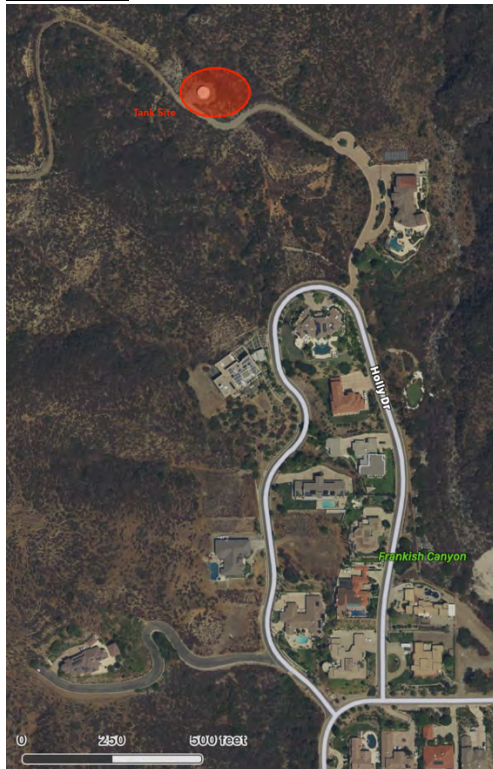
Construction: \$477,000

Schedule:

Bidding: February-March 2020

Construction: April-August 2020

Location:



Justification: Provide an additional 170,000-gallon storage capacity to meet operational storage, emergency storage and fire flow requirements. Install two inline system control valves.

Project Title: **Glendale Road between Mountain and Park**

Total Budget: **\$42,000**

Engineering: \$8,000

Construction: \$34,000

Schedule:

Engineering: January - March 2020

Construction: June – July 2020

Location:



Justification: There are currently two pipelines in Glendale Road; an old 2" and a new 6". This project abandons the small diameter pipeline between Mountain Avenue and Park Boulevard. Connect existing 3 service laterals to existing 6" pipeline. Identified in the 2017 Master Plan as a high priority project.

Project Title: **Cliff near Euclid Crescent and Cliff**

Total Budget: **\$280,000**

Engineering: \$56,000

Construction: \$224,000

Schedule:

Engineering: January – March 2020

Bidding: March-April 2020

Construction: May – August 2020

Location:



Justification: Upgrade small diameter pipeline in Cliff Road, from 25th Street to Euclid Crescent. Install new laterals to five homes on Cliff Drive, connecting them to the new upper zone pipeline. The existing FH does not meet available fire flow. Pipeline has exceeded its useful life. Identified in the 2017 Master Plan as a medium priority project.

Project Title: **Primrose, north of 25th**

Total Budget: **\$105,000**

Engineering: \$18,000

Construction: \$87,000

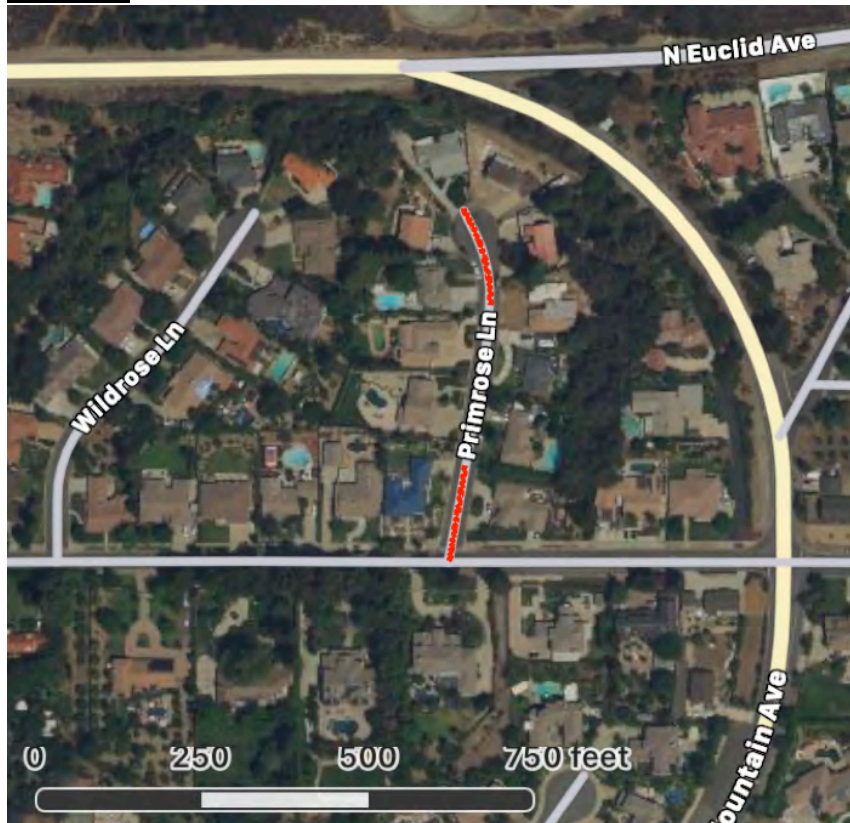
Schedule:

Engineering: February - March 2020

Bidding: District Forces

Construction: May 2020

Location:



Justification: Replace pipeline on Primrose Lane, north of West 25th Street. The pipeline was installed before 1976 and has exceeded its useful life. Also will relocate one service lateral from a backyard run into Mountain Avenue. Identified in the 2017 Master Plan as a low priority project.

Project Title: **Linda, North of 24th**

Total Budget: **\$134,000**

Engineering: \$22,000

Construction: \$112,000

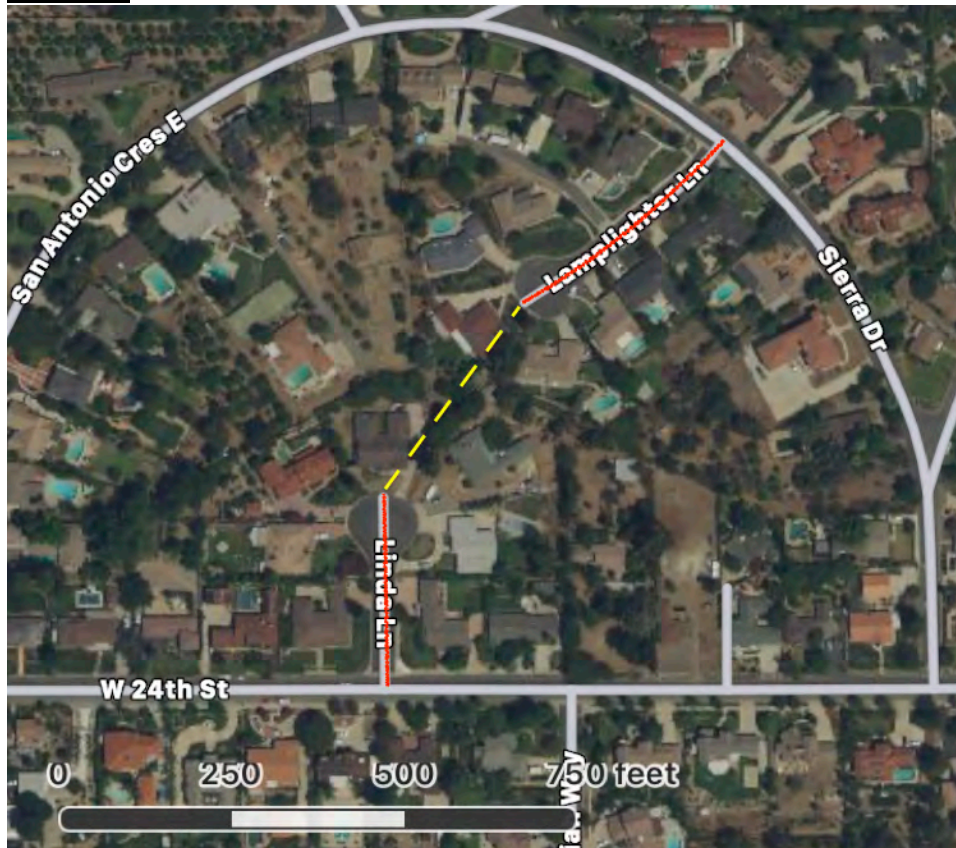
Schedule:

Engineering: March-May 2020

Bidding: May-June 2020

Construction: August-November 2020

Location:



Justification: Replace pipeline on Linda Lane, north of W 24th Street and Lamplighter Lane, west of Sierra Drive. Abandon pipeline located in backyards between Linda and Lamplighter. Install flushing hydrants at end of Linda and Lamplighter. The existing pipeline was installed before 1976 and has exceeded its useful life. Identified in the 2017 Master Plan as a low priority project.

Project Title: **Domestic Water Meter Replacement**

Total Budget: **\$50,000**

Engineering: \$0

Construction: \$50,000

Schedule:

Installation: August-September 2020

Location:



Justification: Water meters have an average operating life of seven to fifteen years. Newer meters with improved technology lasting longer than older meters. To avoid a large replacement program in any one or two years, an on-going program that replaces a small subset of meters in any given year is recommended, with the ultimate goal of replacing every meter on a ten to fifteen-year cycle.

Staff is proposing replacement of 200+- meters per year. The Domestic Water Meter Replacement program was not implemented in 2019. For 2020 staff is proposing replacement of 300+- meters located in books 1 through 4, west of Mountain Avenue.

This project may be impacted by the Company's review of Automated Meter Reading (AMR) that would provide daily information regarding domestic consumption. Staff has budgeted this project later in the fiscal year to allow time for the AMR review to complete before spending money.

The Company has 1,300+- domestic meters.

Project Title: **SCADA PLC Controller Replacement**

Total Budget: **\$40,000**

Engineering: \$0

Construction: \$40,000

Schedule:

Installation: February - April 2020

Location: System Wide

Justification: A water system is controlled in-part through the System Control and Data Acquisition (SCADA) computer network. Communications occur between the central control server and Programmable Logic Controllers (PLCs) located at each facility. PLCs contain instructions on site specific activities ranging from reservoir water levels, chlorination levels and site security alarms. The Company's current PLC inventory contains almost 40 PLCs of differing electronics from different companies programmed by different people, without the benefit of standardization or documentation retained by the Company.

Staff is proposing the modernization of Company PLCs on a multi-year basis, replacing two to four per year. Replacement will include standardization of instruction sets and documentation of each PLC's programming, input and output.

For this year staff is proposing replacement of the PLCs at the Forebay and Office.

Project Title: **Cucamonga Crosswall Environmental Mitigation**

Total Budget: **\$73,000**

Maintenance: \$73,000

Schedule:

Maintenance: April & August 2020

Location:



Justification: As a condition of the Cucamonga Crosswalls repair project, the Company committed to conduct mitigation and associated environmental monitoring for a period of no less than five years. This commitment was a condition of the California Department of Fish and Wildlife Streambed Alteration Agreement.

The mitigation includes yearly removal of invasive plant species and seeding of native plant species. Mitigation will occur in the late winter-early spring months. The intent is to provide enough time for native and invasive seed to germinate but not establish strong roots or go to seed.

Project Title: **Frankish Tunnel Pipeline Repair and Meter Install**

Total Budget: **\$50,000**

Engineering: \$10,000

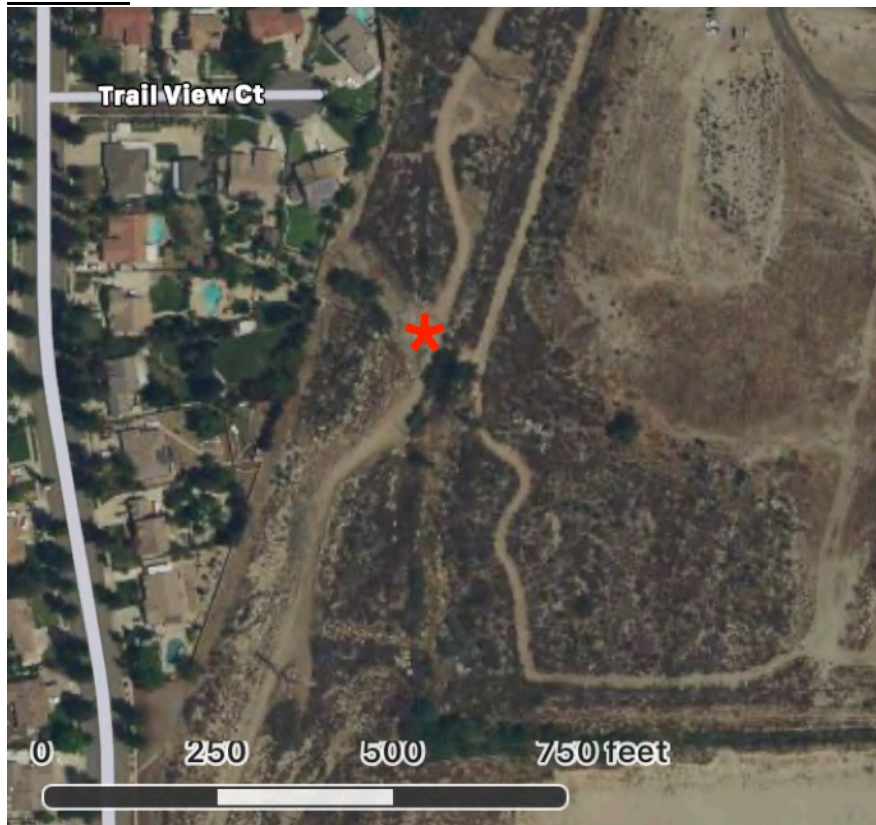
Construction: \$40,000

Schedule:

Design: June – July 2020

Construction: September – October 2020

Location:



Justification: The metering arrangement at the Frankish Tunnel outflow is not set to the appropriate hydraulic grade and the Company is unable to meter all waterflow from the tunnel. Additionally, this location is a transfer point for spread water from the forebay into Basin 6A. To improve metering and accounting for all available water, staff would like to upgrade the tunnel outfall and install an additional meter.

Project Title: **Well Site 19**

Total Budget: **\$1,312,000**

Engineering: \$160,000

Construction: \$1,152,000 total (\$691,000 in 2020)

Schedule:

Engineering: October 2020 – March 2021

Bidding: June-July 2021

Construction: October 2021 – February 2022

Location:



Justification: Unable to meet supply requirements, 2008 Master Plan recommendation. Construct a new well at Site 19. Identified in the 2017 Master Plan as a high priority project.

Project Title: **Company Geographical Information System**

Total Budget: **\$50,000**

Consulting: \$30,000

Hardware/Software: \$20,000

Schedule:

Project was approved in 2019

Consulting: November 2019-March 2020

Location: Company wide

Justification:

The intent of the new GIS database is to:

- Aggregate pertinent information of Company facilities into a database that can be readily queried. (location, size, material, year constructed, as-builts, photos, etc.)
- Aggregate known Company easements into a geospatial database.
- Incorporate appropriate external geospatial information including photogrammetry imagery and County parcel information.
- Create a facility records database with a graphic front-end that is readily accessible in the field (tablet enabled 'system map').
- Develop a facility records database that is flexible and easily updated.
- Include meters with appropriate information including GPS location, size, identifying number and customer account records.
- Link the new GIS database to Company finance and billing database to provide the ability to query billing records and present results in a graphical environment (e.g. monthly consumption by parcel, color-coded by amount consumed). This feature does not necessarily have to be in 'real-time'. But the links need to be established for at least monthly updates.
- Link the new GIS database elements to Company asset management records/ depreciating assets database.
- The data should be compatible with modeling software for future Company needs.

Project Title: **Irrigation Water Meter Replacement**

Total Budget: **\$20,000**

Installation: \$20,000

Schedule:

Installation: June – July 2020

Location: System Wide

Justification: Water meters have an average operating life of seven to fifteen years. Newer meters with improved technology lasting longer than older meters. To avoid a large replacement program in any one or two years, an on-going program that replaces a small subset of meters in any given year is recommended, with the ultimate goal of replacing every meter on a ten to fifteen-year cycle.

Staff is proposing replacement of 2 meters per year.

This project may be impacted by the Company's review of Automated Meter Reading (AMR) that would provide daily information regarding domestic consumption. Staff has budgeted this project later in the fiscal year to allow time for the AMR review to complete before spending money.

Company has 12 irrigation meters.

Project Title: **Irrigation SCADA PLC Controller Replacement**

Total Budget: **\$40,000**

Installation: \$40,000

Schedule:

Installation: February - April 2020

Location: System Wide

Justification: A water system is controlled in-part through the System Control and Data Acquisition (SCADA) computer network. Communications occur between the central control server and Programmable Logic Controllers (PLCs) located at each facility. PLCs contain instructions on site specific activities ranging from reservoir water levels, chlorination levels and site security alarms. The Company's current PLC inventory contains 12 PLCs, with differing electronics from different companies programmed by different people, without the benefit of standardization or documentation retained by the Company.

Staff is proposing the modernization of Company PLCs on a multi-year basis, replacing two to four per year. Replacement will include standardization of instruction sets and documentation of each PLC's programming, input and output. For 2020 staff is proposing replacement of PLCs at Well 31 and Reservoir 1.

Project Title: **Reservoir 9 Pipeline Replacement**

Total Budget: **\$488,000**

Engineering: \$80,000

Construction: \$408,000

Schedule:

Design: April – July 2020

Construction: October – December 2020

Location:



Justification:

Replace pipeline on 25th Street and along backside of Burt Street homes to Reservoir #9. Abandon pipeline installed in backyard along Electric Avenue and Newman Street. The 24" concrete pipeline was installed before 1976 and has exceeded its useful life. Identified by staff as a high maintenance root-bound pipeline.

Project Title: **Irrigation Pipeline Viewpoint, Canyon View Ave to Campus Ave**

Total Budget: **\$276,000**

Engineering: \$46,000

Construction: \$230,000

Schedule:

Engineering: January - April 2020

Construction: July – September 2020

Location:



Justification:

Replace pipeline on Viewpoint St. between Canyon View Ave and Campus Ave. The pipeline was installed before 1976 and has exceeded its useful life. Identified by operations staff as a high maintenance pipeline.

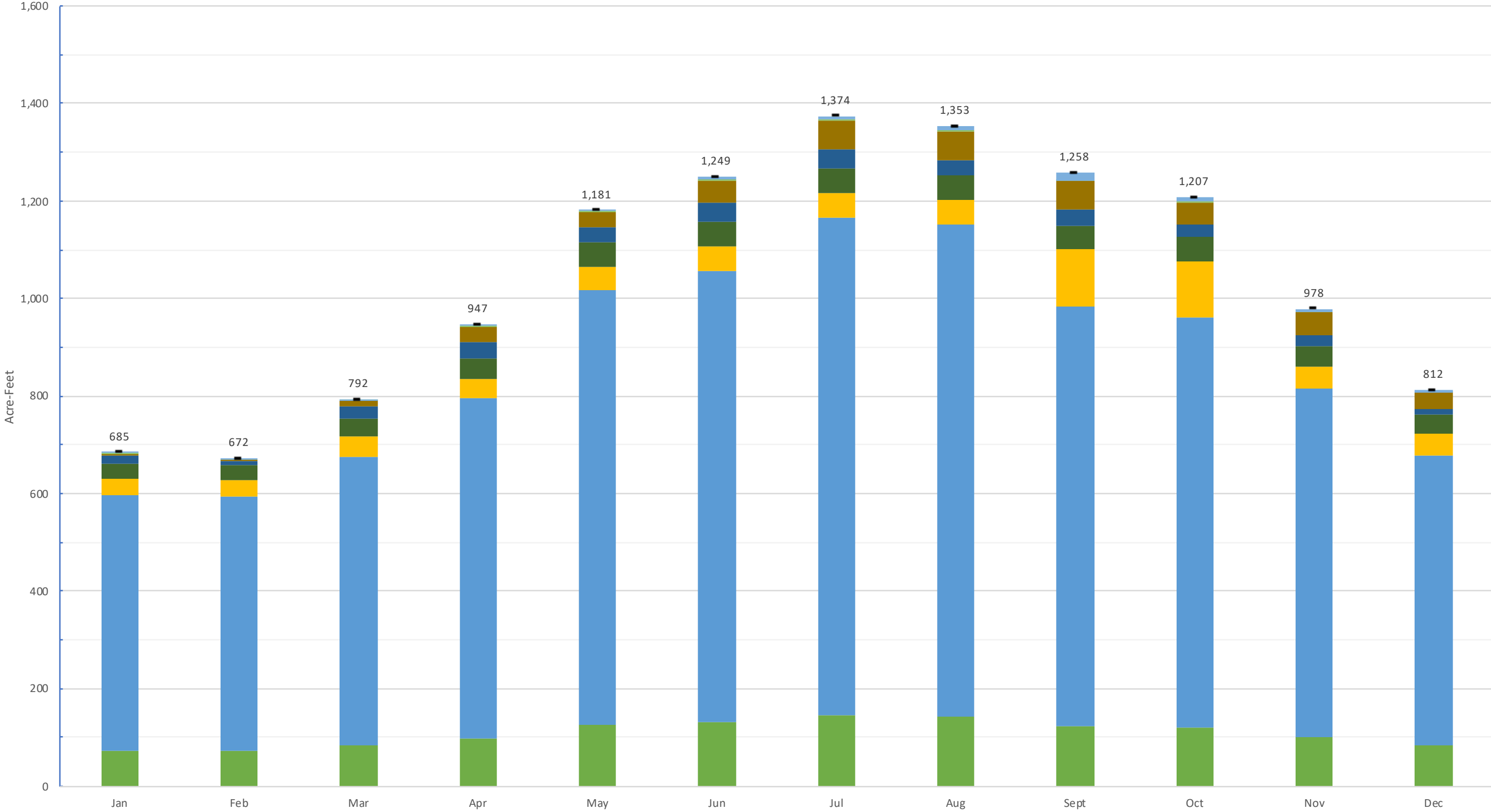
ENTITLEMENT PROJECTIONS

		2020 Projections												Entitlement
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
San Antonio Heights	Projected Monthly Delivery	72	72	82	96	123	128	141	139	119	116	99	82	
	Projected Cumulative Delivery	72	144	226	322	445	573	714	853	972	1,088	1,187	1,269	= 1,269
City of Upland	Projected Monthly Delivery	522	520	593	696	891	924	1,021	1,008	862	842	715	593	
	Projected Cumulative Delivery	522	1,042	1,635	2,331	3,222	4,146	5,167	6,175	7,037	7,879	8,593	9,186	= 9,186
Monte Vista Water District	Projected Monthly Delivery	34	34	41	41	47	51	51	51	116	116	45	45	
	Projected Cumulative Delivery	34	68	109	150	197	248	299	350	466	582	627	672	= 671
City of Ontario	Projected Monthly Delivery	30	30	36	40	50	50	50	50	50	50	40	40	
	Projected Cumulative Delivery	30	60	96	136	186	236	286	336	386	436	476	516	= 601
Holiday Rock Company	Projected Monthly Delivery	18	10	24	34	32	40	40	32	32	24	24	12	
	Projected Cumulative Delivery	18	28	52	86	118	158	198	230	262	286	310	322	= 269
Red Hills Golf Course	Projected Monthly Delivery	4	2	12	32	32	46	58	58	58	46	46	32	
	Projected Cumulative Delivery	4	6	18	50	82	128	186	244	302	348	394	426	= 444
Red Hill HOA	Projected Monthly Delivery	1	1	1	1	1	2	2	2	2	2	1	1	
	Projected Cumulative Delivery	1	2	4	5	6	8	10	12	14	16	17	18	= 20
Minor Irrigators	Projected Monthly Delivery	1	1	1	3	1	4	6	8	10	8	6	4	
	Projected Cumulative Delivery	1	2	3	6	7	11	17	25	35	43	49	53	= 102
COMPANY TOTAL (EX. INACTIVE)	Projected Monthly Delivery	683	670	790	944	1,177	1,245	1,369	1,348	1,248	1,204	975	809	
	Projected Cumulative Consumption	683	1,352	2,142	3,086	4,263	5,508	6,877	8,225	9,474	10,677	11,653	12,462	
	Straight Line Mnthly Ent	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	1,047.56	
	Cumulative Mnthly Ent	1,048	2,095	3,143	4,190	5,238	6,285	7,333	8,380	9,428	10,476	11,523	12,571	
	Active Share Ent	12,571	12,571	12,571	12,571	12,571	12,571	12,571	12,571	12,571	12,571	12,571	12,571	

		Projected Production												
Gravity		300	600	600	600	600	400	300	200	100	100	100	100	
Gravity Cumulative		300	900	1500	2100	2700	3100	3400	3600	3700	3800	3900	4000	= 4,425
Chino							100	100	100	100	100	100	100	
Chino Cumulative		0	0	0	0	0	100	200	300	400	500	600	700	= 1,232
Cucamonga		200	200	300	600	600	700	700	700	600	600	400	400	
Cucamonga Cumulative		200	400	700	1300	1900	2600	3300	4000	4600	5200	5600	6000	= 5,981
Six Basins		80	80	80	80	80	80	90	100	100	90	80	80	
Six Basins Cumulative		80	160	240	320	400	480	570	670	770	860	940	1020	= 932

all units in acre-feet

2020 Budget Estimated Consumption



■ San Antonio Heights
 ■ City of Upland
 ■ Monte Vista Water District
 ■ City of Ontario
 ■ Holiday Rock Company
 ■ Red Hills Golf Course
 ■ Red Hill HOA
 ■ Minor Irrigators
 ■ TOTAL

10yr Avg

10 Year Historical Consumption

