

# **PUBLIC UTILITIES ANNUAL 2021-22 FISCAL BUDGET PROPOSAL**



**Public**  
**Utilities**



**March 25,  
2021**

**WATER – SEWER – STORMWATER – STREET LIGHTING  
ENTERPRISE FUNDS**

*SERVING OUR COMMUNITY, PROTECTING OUR ENVIRONMENT*

---

**SALT LAKE CITY DEPARTMENT OF PUBLIC UTILITIES RECOMMENDED BUDGET FOR  
FISCAL YEAR 2022**

---



**Salt Lake City Department of Public Utilities (SLCDPU)**

*I recommend for approval, rates, operations, personnel changes and the capital program as herein presented as the SLCDPU FY 2022 Proposed Budget:*

**Laura Briefer, Director** \_\_\_\_\_

A handwritten signature in blue ink, appearing to be 'LB', written over a horizontal line.

**Public Utilities Advisory Committee (PUAC)**

*The PUAC concurs with and supports the Salt Lake City Department of Public Utilities FY 2022 Proposed Budget presentation:*

**Lynn Hemingway, Chair** \_\_\_\_\_

A handwritten signature in blue ink, appearing to be 'L. Hemingway', written over a horizontal line.

Dated 3/25/2021

## Table of Contents

<b>BUDGET SUMMARY FY 2022.....</b>	<b>1</b>
<b>WATER UTILITY ENTERPRISE FUND.....</b>	<b>5</b>
<b>WATER INFRASTRUCTURE BACKGROUND .....</b>	<b>5</b>
<b>WATER UTILITY BUDGET HIGHLIGHTS FOR FY 2022.....</b>	<b>5</b>
<b>SEWER UTILITY ENTERPRISE FUND .....</b>	<b>9</b>
<b>SEWER INFRASTRUCTURE BACKGROUND .....</b>	<b>9</b>
<b>SEWER UTILITY BUDGET HIGHLIGHTS FOR FY 2022.....</b>	<b>10</b>
<b>STORMWATER UTILITY ENTERPRISE FUND.....</b>	<b>14</b>
<b>STORMWATER INFRASTRUCTURE BACKGROUND .....</b>	<b>14</b>
<b>STORMWATER UTILITY BUDGET HIGHLIGHTS FOR FY 2022 .....</b>	<b>14</b>
<b>STREET LIGHTING UTILITY ENTERPRISE FUND .....</b>	<b>17</b>
<b>STREET LIGHTING INFRASTRUCTURE BACKGROUND .....</b>	<b>17</b>
<b>STREET LIGHTING UTILITY BUDGET HIGHLIGHTS FOR FY 2022 .....</b>	<b>18</b>
<b>COMBINED UTILITIES- BUDGET SUMMARY AND CASH FLOW .....</b>	<b>21</b>
<b>WATER UTILITY- BUDGET SUMMARY AND CASH FLOW .....</b>	<b>27</b>
<b>SEWER UTILITY- BUDGET SUMMARY AND CASH FLOW .....</b>	<b>43</b>
<b>STORMWATER UTILITY- BUDGET SUMMARY AND CASH FLOW .....</b>	<b>55</b>
<b>STREET LIGHTING UTILITY- BUDGET SUMMARY AND CASH FLOW .....</b>	<b>61</b>
<b>APPENDIX A: RATE CHANGE COMPARISONS AND CUSTOMER IMPACTS.....</b>	<b>65</b>
<b>APPENDIX B: SUPPLEMENTAL INFORMATION.....</b>	<b>77</b>
<b>APPENDIX C: RATIONALE FOR NEW POSITIONS .....</b>	<b>99</b>

## **BUDGET SUMMARY FY 2022**

Salt Lake City Department of Public Utilities (SLCDPU) is pleased to present its recommended budget for fiscal year 2021-2022 (FY 2022). The FY 2022 budget includes funding for operations, maintenance, and capital investments in the water, sewer, stormwater, and street lighting utilities. The budget also reflects the enhancement of operational programs to meet more stringent regulatory requirements for drinking water, wastewater, and stormwater. SLCDPU operates each of its utilities as separate enterprise funds.

### **Summary of Expenditures and Revenues**

The total proposed FY 2022 budget is \$420,480,027, an 8.44 % decrease from the FY 2021 amended budget of \$459,216,205. The FY 2021 adopted budget was adjusted for FY 2020 carryover encumbrances for open contracts and purchase orders. Those changes are reflected in the amended budget amount. The proposed operating budget of \$114,620,579 is \$5,684,882 or 5.22% higher than the current year. The increase includes seventeen proposed new employees, and a 3% increase to accommodate employee compensation and benefit changes. Amounts paid to other departments for IMS charges, administrative service fees, payment in lieu of taxes, and risk management is projected to increase by \$3,923,260. Operational costs also reflect an \$494,337 increase to be paid to the Metropolitan Water District of Salt Lake and Sandy (MWDSL) pursuant to their projected increased operational and capital needs.

The proposed capital budget for FY 2022 is \$282,674,161. Debt service is anticipated to be \$23,185,287, including the cost of issuing new debt during the year. Total debt service for FY 2022 is increasing due to the cost of issuing new debt.

Funding for capital projects in FY 2022 will be generated through rate revenue, the issuance of revenue bonds, and a federal loan. Total bonding planned for FY 2022 is \$155,993,000. The timing of the planned issuance will be coordinated to meet cash flow needs. SLCDPU plans to use a federal loan under the Water Infrastructure Finance and Innovation Act (WIFIA) to finance \$93,890,000 of the new water reclamation facility (WRF) in FY 2022.

There are proposed rate increases for the water, sewer, and stormwater utilities. This includes an 8% increase in water, an 18% increase in sewer, and a 10% increase in stormwater rates. Appendix A includes a summary of expected customer rate impacts.

SLCDPU's total anticipated revenues for FY 2022 are \$420,480,027, an increase of \$17,281,558. SLCDPU intends to transfer \$784,760 to reserves from the remaining debt funds.

### Summary of Utilities Fund Budgets

Utility Funds FY 2022	Operations	Capital	Debt	Fund Totals
Water	78,375,791	44,222,835	4,766,929	127,365,555
Sewer	24,274,620	227,462,826	16,476,350	268,213,796
Storm	8,704,042	8,748,500	1,748,471	19,201,013
Street	3,266,126	2,240,000	193,537	5,699,663
<b>Total</b>	<b>\$ 114,620,579</b>	<b>\$ 282,674,161</b>	<b>\$ 23,185,287</b>	<b>\$ 420,480,027</b>

### Proposed Department of Public Utilities Expenditures for FY 2021-22

Major Expenditure Categories	Adopted Budget 2020-2021	Amended Budget 2020-2021	Proposed Budget 2021-2022	Difference	Percent Change
Personal Services	41,961,790	42,360,790	45,645,184	3,284,394	7.75%
Materials and Supplies	7,605,558	7,622,463	7,735,360	112,897	1.48%
Charges for Services	56,271,884	58,952,444	61,240,035	2,287,591	3.88%
Debt Service	17,248,778	17,248,778	23,185,287	5,936,509	34.42%
Capital Outlay	4,769,726	5,397,151	6,167,835	770,684	14.28%
Capital Improvements	234,455,413	327,634,399	276,506,326	(51,128,073)	-15.61%
<b>Total</b>	<b>\$ 362,313,149</b>	<b>\$ 459,216,025</b>	<b>\$ 420,480,027</b>	<b>\$ (38,735,998)</b>	<b>-8.44%</b>

### Projected Department of Public Utilities Revenues for FY 2021-22

Revenue	Adopted Budget 2020-2021	Amended Budget 2020-2021	Proposed Budget 2021-2022	Difference	Percent Change
Operating Sales	135,312,126	135,312,126	158,309,402	22,997,276	17.00%
Interest	1,915,867	1,915,867	728,700	(1,187,167)	-61.97%
Permits	182,000	182,000	267,500	85,500	46.98%
Interfund Charges	2,921,828	2,921,828	2,966,142	44,314	1.52%
Other Revenues	831,770	1,269,382	2,087,930	818,548	64.48%
Impact Fees	2,995,670	2,995,670	3,595,670	600,000	20.03%
Contributions	4,031,640	4,033,428	3,426,443	(606,985)	-15.05%
Bond/Loan Proceeds	186,730,000	186,730,000	249,883,000	63,153,000	33.82%
From (To) Reserves	26,804,643	123,855,724	(784,760)	(124,640,484)	-100.63%
<b>Total</b>	<b>\$ 361,725,544</b>	<b>\$ 459,216,025</b>	<b>\$ 420,480,027</b>	<b>\$ (38,735,998)</b>	<b>-8.44%</b>

### Summary of Additional Proposed Positions

The proposed budget includes the addition of seventeen (17) new full time equivalent (FTE) positions. These recommended positions are identified to assist SLCDPU in meeting regulatory and programmatic requirements, increase in-house engineering capacity to reduce our reliance on consultant engineers, convert hard to fill seasonal positions, and supporting the economic and geographic growth within our service area. There are two

positions to highlight for the department that reflect new organizational functions within SLCDPU. The first is a proposed Chief Strategy and Innovations Officer (CSIO). The CSIO is proposed to help SLCDPU identify and secure strategic federal and state funding opportunities for major infrastructure projects, assist the Director and department leadership with federal, state, and local intergovernmental relationships, and provide needed capacity for innovations such as the City's ERP, smart cities/street lighting, and water resource initiatives. Given the identified funding needs and gaps associated with aging infrastructure and the possible opportunities for infrastructure funding in the new federal administration, SLCDPU will be tasking the CSIO with identifying and implementing grants and low-interest loans to finance the projects to reduce the impact to our ratepayers.

The second position to highlight reflects a new partnership with the Uinta-Wasatch-Cache National Forest (UWCNF). SLCDPU and the UWCNF have a long-standing partnership to manage the mountain watersheds that provide nearly 60% of the water supply to Salt Lake City and its water service area. A major and growing challenge is the upkeep and improvements of sanitary facilities in the watersheds due to significantly increased recreation visitation. Degraded sanitary facilities present a risk to water quality in our drinking water sources. The USFS is anticipating the receipt of federal Great American Outdoors Act (GAOA) funding to conduct projects within the UWCNF. Through a future agreement, the UWCNF will be allocating GAOA funds to SLCDPU to support the full cost of a project manager (under Water Quality) for two years to design and manage the construction of upgraded Forest Service-owned sanitary facilities within our watersheds. This agreement benefits both the UWCNF, which has limitations on hiring new employees, and SLCDPU which must maintain safe drinking water. It should be noted that the utilization of this position will be dependent on the completion of an executed agreement with the UWCNF.

SLCDPU currently has 447.50 FTEs and is proposing the following positions to meet identified needs. Appendix C contains detailed cost-benefit information regarding the additional engineering requests.

**Proposed Personnel Adjustments FY 2021-2022**

<b>Administration</b>	<b>Water</b>	<b>Sewer</b>	<b>Stormwater</b>	<b>Street Lighting</b>	<b>Total</b>
CONSERVATION TECHNICIAN	1.00	-	-	-	1.00
CHIEF STRATEGY AND INNOVATIONS OFFICER	0.30	0.30	0.25	0.15	1.00
					<b>2.00</b>
<b>GIS and IT Systems</b>					
LOCATOR MANAGER	0.50	0.30	0.20	-	1.00
					<b>1.00</b>
<b>Water Quality</b>					
PROJECT MANAGER	1.00	-	-	-	1.00
WATERSHED RANGER	1.00	-	-	-	1.00
LEAD AND COPPER SUPERVISOR	1.00	-	-	-	1.00
					<b>3.00</b>
<b>Maintenance</b>					
DRAINAGE MAINTENANCE WORKER II (LEAD)	-	-	1.00	-	1.00
DRAINAGE MAINTENANCE WORKER III	-	-	1.00	-	1.00
WASTE WATER LIFT STATION LEAD WORKER	-	1.00	-	-	1.00
LANDSCAPE RESTORATION WKR	1.00	-	-	-	1.00
IRRIGATION OPERATOR II	1.00	-	-	-	1.00
					<b>5.00</b>
<b>Engineering</b>					
ENGINEER V Asset Management Coordinator	0.40	0.30	0.30	-	1.00
ENGINEER V Construction Management Coord.	0.40	0.30	0.30	-	1.00
ENGINEER IV IN-HOUSE DESIGN, CONST, ASSET MNG	0.40	0.30	0.30	-	1.00
ENGINEER IV IN-HOUSE DESIGN, CONST, ASSET MNG	0.40	0.30	0.30	-	1.00
ENGINEER IV IN-HOUSE DESIGN, CONST, ASSET MNG	0.40	0.30	0.30	-	1.00
ADMINISTRATIVE SECRETARY I	0.50	0.25	0.25	-	1.00
					<b>6.00</b>
<b>Total New FTEs</b>	<b>9.30</b>	<b>3.35</b>	<b>4.20</b>	<b>0.15</b>	<b>17.00</b>



## **Water Utility Enterprise Fund**

### **Water Infrastructure Background**

The Salt Lake City water system is one of the oldest and largest systems west of the Mississippi River with over 1,125 miles of 12” or smaller distribution lines, and more than 180 miles of large transmission mains for a total asset inventory of 1,305 miles of pipe with over fifty pressure zones. The service area covers the Salt Lake City corporate boundaries as well as the east side of the Salt Lake Valley to the mouth of Little Cottonwood Canyon—a total of 141 square miles. This includes water supply to portions of other incorporated cities such as Mill Creek, Cottonwood Heights, Holladay, and small portions of Murray, Midvale, and South Salt Lake Cities.

SLCDPU’s asset management program includes personnel and systems to assess the condition of the large water transmission mains, distribution mains, treatment and pumping plants, reservoirs, tanks, wells, canals, and other infrastructure to assure repair and replacement is completed with minimal impact to the public.

Addressing aging water infrastructure through rehabilitation and replacement is a priority and is the primary reason behind gradual rate increases planned for the next few years in the water utility. For instance, each of SLCDPU’s three water treatment plants were originally constructed in the 1950’s and have undergone numerous upgrades. Based on recent condition assessments, SLCDPU is preparing a strategy to replace these treatment plants in future years to ensure this critical infrastructure remains viable for the long term protection of public health and can better withstand major seismic events. There is also a continual need to repair and replace pipe segments to maintain water service and reduce emergency repair costs and impacts to the public.

### **Water Utility Budget Highlights for FY 2022**

#### **Anticipated Revenues**

The impacts of the COVID-19 pandemic over the last year continue to be evaluated. At this time, revenues in the water utility appear to not have been impacted significantly, although patterns of water use appear to have shifted slightly to reflect increased residential use and decreased commercial use. Due to anticipated drought responses this year leading to reduced water consumption, we are conservatively estimating revenues.

SLCDPU intends to issue revenue bonds of \$26,146,000 in FY 2022 designated for water. Additional bonding of \$166,927,000 is anticipated from FY 2023 to FY 2026 meet water utility capital project objectives.

The revenue budget is proposed to decrease by \$35,267,065 or 21.69% from the FY 2021 budget. The proposed water utility budget for FY 2022 by major category is as follows:



**Projected Water Revenues for FY 2021-22**

Revenue	Adopted Budget 2020-2021	Amended Budget 2020-2021	Proposed Budget 2021-2022	Difference	Percent Change
Operating Sales	71,013,328	71,013,328	85,462,346	14,449,018	20.35%
Interest	715,896	715,896	398,000	(317,896)	-44.41%
Interfund Charges	2,921,828	2,921,828	2,966,142	44,314	1.52%
Other Revenues	611,270	900,176	1,836,730	936,554	104.04%
Impact Fees	1,184,670	1,184,670	1,784,670	600,000	50.65%
Contributions	1,975,640	1,975,640	1,953,620	(22,020)	-1.11%
Bond Proceeds	42,235,000	42,235,000	26,146,000	(16,089,000)	
From (To) Reserves	5,675,561	41,686,082	6,818,047	(34,868,035)	-83.64%
<b>Total</b>	<b>\$ 126,333,193</b>	<b>\$ 162,632,620</b>	<b>\$ 127,365,555</b>	<b>\$ (35,267,065)</b>	<b>-21.69%</b>

Operating Sales: Revenue is expected to be 20.35% more than FY 2021 budgeted levels. The proposed budget is based on modeling done on 10-year water sales. The forecast anticipates a decrease in overall consumption from the average. FY 2021 actual sales outpaced the amended budget for the year.

Interest Income: Interest earnings are expected to decrease as bond proceeds are spent during the year.

Interfund Charges: The water utility is reimbursed by sewer, stormwater, street lighting, refuse, and the Hive program for services related to billing. Related revenue is anticipated to increase based on actual costs.

Impact Fees: Impact fees are budgeted to increase \$600,000 for new development. The FY 2022 budget is a conservative estimate based on historical and current trend information.

Bond Proceeds: A bond issue of \$26,146,000 is anticipated.

Reserve Funds: SLCDPU plans to use \$6,818,047 of reserve funds to balance the capital and operation needs. Budgeted use of reserve funds is \$34,868,035 less than the FY 2021 amended budget or a decrease of 83.64%

### **Proposed Expenditures**

The water utility's FY 2022 budget includes an increase of \$1,686,755 in charges for services and an increase of \$2,497,506 in personal services. The increase in personal services is attributed to the addition of 9.30 FTEs and a 3% increase to accommodate employee compensation and benefit changes. The new FTEs requested will support the SLCDPU's administration, water resources, maintenance, engineering, and water quality divisions to meet regulatory requirements and support continued economic activity.

Metropolitan Water District of Salt Lake and Sandy (MWDSLS) is projecting to increase the current price levels for water for FY 2022 without increases to operational or assessment charges. A 3% increase is included in this budget. Pursuant to SLCDPU's recent water supply and demand planning, the FY 2022 budget includes a scheduled

payment for the Central Utah Project Utah Lake System (ULS) petition for 3,100-acre feet of new water resources. The MWDSLS payment for the ULS petition of \$844,223 is passed through to SLCDPU and is reflected in the SLCDPU FY 2022 proposed budget.

SLCDPU plans to invest \$39,600,000 in capital improvements for water utility infrastructure in FY 2022. The capital improvement program includes a prioritized balance of needed improvements to treatment plants, water lines, meter replacements, pump stations, wells, and other infrastructure. A portion of the water main replacements are being performed in conjunction with the General Fund bonded street repair projects. In FY 2021, the capital improvements budget was significantly reduced from earlier planned investments due to anticipated impacts of the COVID-19 pandemic and the deferral of a planned rate increase. SLCDPU is now resuming its plans for gradual rate increases and significant investment into aging infrastructure this year.

The expenditure budget for the water utility is proposed to decrease \$35,267,065 or 21.69% from the FY 2021 amended budget. The proposed budget for FY 2022 by major category is as follows:

<b>Proposed Water Expenditures for FY 2021-22</b>					
<b>Major Expenditure Categories</b>	<b>Adopted Budget 2020-2021</b>	<b>Amended Budget 2020-2021</b>	<b>Proposed Budget 2021-2022</b>	<b>Difference</b>	<b>Percent Change</b>
Personal Services	25,518,196	25,774,546	28,272,052	2,497,506	9.69%
Materials and Supplies	4,789,775	4,806,680	4,839,903	33,223	0.69%
Charges for Services	41,493,558	43,577,081	45,263,836	1,686,755	3.87%
Debt Service	2,885,774	2,885,774	4,766,929	1,881,155	65.19%
Capital Outlay	3,715,890	3,820,671	4,622,835	802,164	21.00%
Capital Improvements	47,930,000	81,767,868	39,600,000	(42,167,868)	-51.57%
<b>Total</b>	<b>\$ 126,333,193</b>	<b>\$ 162,632,620</b>	<b>\$ 127,365,555</b>	<b>\$ (35,267,065)</b>	<b>-21.69%</b>

Personal Services: Employee related costs are estimated to increase \$2,497,506 or 9.69%. The water utility budget anticipates an increase of 9.30 FTEs. The FY 2022 budget includes a 3% increase to accommodate employee compensation and benefit changes.

Materials & Supplies: The increase in this category is less than 1%.

Charges for Services: The proposed budget for charges and services will increase \$1,686,755 or 3.87%. The increase can be attributed to a proposed increase in MWDSLS rates of \$494,337, increases in professional and consultants, and increased IMS costs.

Debt Service: In compliance with current bond issues and in anticipation of additional debt, the budget for debt services is projected to increase by \$1,881,155.

Capital Outlay: The proposed budget for capital outlay for FY 2022 includes \$1,500,000 for watershed purchases, \$250,000 for water right and company purchases, \$250,000 for water stock purchases, \$150,000 for additional land purchases, \$1,081,900 for 18 vehicles, \$965,475 for field equipment, \$180,000 for treatment plant equipment, \$101,600 for office furniture and equipment, and \$143,860 for other non-motive equipment.

Capital Improvements: The proposed capital improvement budget for FY 2022 is \$39,600,000. A detailed list of capital improvement projects is included in the cash flow summaries for the water utility. A capital project summary by facility type is as follows:

**Proposed Water Capital Improvement Program for  
FY 2021-22**

<b>Type of Project</b>	<b>Proposed Budget 2021-2022</b>
Treatment Plants	7,350,000
Water Service Connections	5,450,000
Pumping Plant Upgrades	1,550,000
Reservoirs	4,000,000
Water Mains and Hydrants	18,019,000
Wells	1,630,000
Culverts, Flumes, and Bridges	1,533,000
Landscaping	68,000
<b>Total 2021-2022 CIP</b>	<b>\$ 39,600,000</b>

## **Sewer Utility Enterprise Fund**

### **Sewer Infrastructure Background**

The City's Water Reclamation Facility (WRF) was constructed in 1965 and has undergone numerous upgrades since. Nutrient removal regulations adopted by the Utah Department of Environmental Quality (UDEQ) in 2015 require a new sewage treatment process. After much study, SLCDPU determined that the WRF has reached the end of its useful life and adapting the 55- year old facility to meet the new nutrient removal requirements is not feasible. A new WRF is currently under construction, to be completed in order to meet UDEQ's nutrient compliance date of January 1, 2025. SLCDPU has been implementing gradual rate increases and revenue bonding for the replacement of the WRF.

The sewer collection system (654 miles of pipeline, and several pump stations) is a very challenging environment; hydrogen sulfide gases, sediment, roots and other factors affect the competency of the collection lines. SLCDPU's asset management program includes personnel and systems to assess the condition of the sewer collection system, pump stations, and other infrastructure to assure repair and replacement is completed with minimal impact to the public. More than 50% of the sewer collection system is greater than 85 years old.

SLCDPU is expanding capacity of the sewer collection system, in large part to meet growth requirements related to the new State Correctional Facility, the Airport expansion, and new development anticipated in the Northwest Quadrant of Salt Lake City.

## Sewer Utility Budget Highlights for FY 2022

Total project costs for the WRF reconstruction are anticipated to be \$711,653,000 when the project is completed. Construction began in FY 2020. SLCDPU has expended approximately \$69.5 million to date on this project.

Current financing for the new WRF is anticipated to be accomplished using a combination of revenue bonds, user rates, and a federal loan through the Water Infrastructure Finance and Innovation Act (WIFIA). The loan will provide up to 49% of the cost of the new WRF. The interest rate at loan closing in 2020 was extremely favorable at 1.34%. This is expected to save SLCDPU's ratepayers more than \$100 million over the life of the project compared to revenue bonds.

Sewer Planned Debt			
FY	WIFIA	Bonds	Total
2019-2020	-	55,000,000	55,000,000
2020-2021	93,210,000	51,000,000	144,210,000
2021-2022	93,980,000	123,000,000	216,980,000
2022-2023	70,465,000	88,000,000	158,465,000
2023-2024	64,017,000	46,000,000	110,017,000
2024-2025	24,356,000	-	24,356,000
2025-2026	2,697,000	-	2,697,000
<b>Total</b>	<b>\$ 348,725,000</b>	<b>\$ 363,000,000</b>	<b>\$ 711,725,000</b>

### Anticipated Revenues

A proposed 18% rate increase is anticipated to generate an additional \$7,713,937 in sewer fees. Proposed sales revenues are based on the best estimates available. The additional revenue is required for the sewer utility to meet its capital and operations objectives. Rate increases in future years are also anticipated at this time.

SLCDPU plans to issue bonds during FY 2022 with \$123,687,000 designated for the sewer utility. Additional bonded debt of \$134,748,000 is anticipated from FY 2023 to FY 2025 to meet capital objectives, primarily the reconstruction of the WRF. It is anticipated that WIFIA loan proceeds of \$161,535,000 will be utilized during the same period. Debt will be used in conjunction with rate increases to blend pay as you go and borrowing strategies. The proposed debt is for a 30- year term creating intergenerational equity payback on the new WRF facility. The City's professional financial advisors have been involved in the process to measure debt service and ratios to comply with external rating agency standards. SLCDPU intends to maintain its AAA rating to limit costs of borrowing.

The total revenue budget is expected to decrease by \$556,101 or 0.21% to \$268,213,796 from the FY 2021 amended budget. Bond issues and a federal loan are the expected to increase but are offset by a shift in utilization of reserves. The proposed budget for FY 2022 by major category is as follows:

Projected Sewer Revenues for FY 2021-22					
Revenue	Adopted Budget 2020-2021	Amended Budget 2020-2021	Proposed Budget 2021-2022	Difference	Percent Change
Operating Sales	50,321,000	50,321,000	58,034,937	7,713,937	15.33%
Interest	992,301	992,301	171,000	(821,301)	-82.77%
Permits	182,000	182,000	267,500	85,500	46.98%
Other Revenues	134,000	247,942	154,500	(93,442)	-37.69%
Bond/ Loan Proceeds	144,495,000	144,495,000	217,577,000	73,082,000	50.58%
Impact Fees	1,422,000	1,422,000	1,422,000	-	0.00%
Contribution	1,684,000	1,684,000	1,100,823	(583,177)	-34.63%
From (To) Reserves	13,408,098	69,425,654	(10,513,964)	(79,939,618)	-115.14%
<b>Total</b>	<b>\$ 212,638,399</b>	<b>\$ 268,769,897</b>	<b>\$ 268,213,796</b>	<b>\$ (556,101)</b>	<b>-0.21%</b>

Sewer service fees: Sewer service fees are expected to increase \$7,713,937 or 15.33%. SLCDPU assumes that due to the COVID-19 pandemic, revenue from sewer sales could decrease. AWC information was utilized to determine a reasonably anticipated sales base, and then applied the 18% rate increase. The proposed increase is approximately \$6.32 per month for the representative resident, assuming winter water use of eight CCF. Winter water use of eight CCF is conservative as some of our residents use less than eight CCF during the winter months. The additional revenue from rates is required for the sewer utility to meet is capital and operations objectives while balancing debt.

Interest Income: Interest earnings are expected to decrease with the spending of capital funds.

Permit Fees: Increased to reflect actual historical collections.

Other Revenues: Decreased to reflect estimate based on historical collections.

Impact Fees: No change is anticipated.

Bond / Note Proceeds: A bond issue of \$123,687,000 is anticipated. The budget anticipates utilizing \$93,890,000 in WIFIA loan proceeds.

Contribution: Decreased to reflect updated collections information.

Reserve Funds: Unspent bond proceeds of \$10,513,964 will added to reserves for use on the WRF project.

### **Proposed Expenditures**

The proposed sewer budget for FY 2022 includes \$226,135,826 in planned projects. Of this amount \$189,320,826 is designated for the new WRF, \$1,725,000 for the existing WRF, and \$35,090,000 for improvements to the sewer collections system. A portion of the

sewer collection line replacements are being performed in conjunction with the City's general obligation bonded street repair projects.

The sewer utility's FY 2022 budget proposes an increase of \$55,461,455 or 26.07% over the FY 2021 amended budget. The proposed budget for FY 2022 by major category is as follows:

<b>Proposed Sewer Expenditures for FY 2021-22</b>					
<b>Major Expenditure Categories</b>	<b>Adopted Budget 2020-2021</b>	<b>Amended Budget 2020-2021</b>	<b>Proposed Budget 2021-2022</b>	<b>Difference</b>	<b>Percent Change</b>
Personal Services	12,590,497	12,698,997	12,799,959	100,962	0.80%
Materials and Supplies	2,579,981	2,579,981	2,656,055	76,074	2.95%
Charges for Services	7,746,203	7,912,598	8,818,606	906,008	11.45%
Debt Service	12,707,469	12,707,469	16,476,350	3,768,881	29.66%
Capital Outlay	671,836	1,194,480	1,327,000	132,520	11.09%
Capital Improvements	176,342,413	231,676,372	226,135,826	(5,540,546)	-2.39%
<b>Total</b>	<b>\$ 212,638,399</b>	<b>\$ 268,769,897</b>	<b>\$ 268,213,796</b>	<b>\$ (556,101)</b>	<b>-0.21%</b>

Personal Services: Employee related costs are estimated to increase \$100,962 or .80%. The sewer utility budget anticipates an increase of 3.35 FTEs. The FY 2022 budget includes a 3% increase to accommodate employee compensation and benefit changes. The amended budget for FY 2021 included a generous estimate for overtime. FY 2022 amounts in this category have been updated.

Materials & Supplies: The sewer utility's budget for this category increases by \$76,074. The increase is attributed to additional chemical purchases.

Charges for Services: Increases in professional and contractual services, increases in IMS charges for services, and increased sludge management fees represent the largest portion of the budget increase in this category.

Debt Service: The annual debt service budget is expected to increase by \$3,768,881 in FY 2022. The increase is attributed to payments on existing debt and interest payments for new debt.

Capital Outlay: The proposed capital outlay budget for FY 2022 includes \$860,000 for vehicles and trucks, \$269,000 for field maintenance equipment, \$185,000 for treatment plant equipment, and \$13,000 for other non-motive equipment.

Capital Improvements: The proposed capital improvement budget for FY 2022 is \$226,135,826, an decrease of \$5,540,546 from the current year amended budget. A detailed list of capital improvement projects is included in the cash flow summary for the sewer utility. A capital project summary by facility type is as follows:



**Proposed Sewer Capital Improvement Program for FY 2021-22**

<b>Type of Project</b>	<b>Proposed Budget 2021-2022</b>
WRF	191,045,826
Collection System	32,405,000
Lift Stations	2,685,000
Northwest Oil Drain	-
<b>Total 2021-2022 CIP</b>	<b>\$ 226,135,826</b>

## **Stormwater Utility Enterprise Fund**

### **Stormwater Infrastructure Background**

The City's stormwater system includes 350 miles of stormwater collection lines, 77 miles of canals and drainage ditches, 32 miles of open channel creeks and rivers, culverts, 27 lift stations, and 63 detention basins. These systems must be maintained to prevent flooding and to meet the water quality requirements in the Municipal Separate Storm Sewer System (MS4) permit. SLCDPU is also responsible for all city facilities meeting MS4 requirements.

A Drainage Master Plan was completed in 1993. The FY 2022 budget includes the continuation of an update of the Drainage Master Plan to include water quality and climate change issues, such as storm intensification, in addition to traditional conveyance.

### **Stormwater Utility Budget Highlights for FY 2022**

#### **Anticipated Revenues**

A planned 10% rate increase was deferred in FY 2021 due to anticipated economic impacts of the COVID-19 pandemic. SLCDPU is proposing a rate increase of 10% in FY 2022, and plans increases between 10% and 15% in future years through FY 2026 in order to maintain and rehabilitate infrastructure and meet more stringent water quality requirements.

SLCDPU plans to issue bonds during FY 2022 with \$6,160,000 designated for stormwater utility needs. This amount is primarily associated with stormwater collection system replacement in coordination with the City's streets bond.

The revenue budget is proposed to decrease by \$3,192,015 or 14.25% from the FY 2021 amended budget. The proposed revenue budget for FY 2022 by major category is as follows:

<b>Projected Storm Revenues for FY 2021-22</b>					
<b>Revenue</b>	<b>Adopted Budget 2020-2021</b>	<b>Amended Budget 2020-2021</b>	<b>Proposed Budget 2021-2022</b>	<b>Difference</b>	<b>Percent Change</b>
Operating Sales	9,753,500	9,753,500	10,714,550	961,050	9.85%
Interest	199,670	199,670	119,200	(80,470)	-40.30%
Other Revenues	52,000	86,764	64,000	(22,764)	-26.24%
Impact Fees	389,000	389,000	389,000	-	0.00%
Contributions	352,000	352,000	352,000	-	0.00%
Bond Proceeds	-	-	6,160,000	6,160,000	
From (To) Reserves	6,628,085	11,612,094	1,402,263	(10,209,831)	-87.92%
<b>Total</b>	<b>\$ 17,374,255</b>	<b>\$ 22,393,028</b>	<b>\$ 19,201,013</b>	<b>\$ (3,192,015)</b>	<b>-14.25%</b>

Operating Sales: Revenue is expected to increase by approximately 10%.

Interest Income: Interest earnings are expected to decrease due to spending of bond proceeds.

Other Revenues: FY 2021 amended budget includes one-time CARES funding.

Contributions: No change is anticipated.

Impact Fees: No change is anticipated.

Bond / Note Proceeds: A bond issue of \$6,160,000 is anticipated.

Reserve Funds: Reserves of \$1,402,263 will be utilized for stormwater system improvements. These funds will come from the Series 2020 Bond proceeds.

### **Proposed Expenditures**

The stormwater utility's FY 2022 budget proposes capitalizing \$8,530,500 to renovate portions of the stormwater collection system. The schedule for stormwater system improvements has been adjusted to perform work in conjunction with the general obligation bonded street repair projects. The FY 2022 capital improvements budget includes continued funding for this cooperative work.

The expenditure budget for the stormwater utility is proposed to decrease \$3,192,015 or 14.25%. The proposed budget for fiscal year FY 2022 by major category is as follows:

Proposed Storm Expenditures for FY 2021-22					
Major Expenditure Categories	Adopted Budget 2020-2021	Amended Budget 2020-2021	Proposed Budget 2021-2022	Difference	Percent Change
Personal Services	3,628,930	3,661,580	4,215,783	554,203	15.14%
Materials and Supplies	228,808	228,808	232,408	3,600	1.57%
Charges for Services	4,315,421	4,723,194	4,255,851	(467,343)	-9.89%
Debt Service	1,463,701	1,463,701	1,748,471	284,770	19.46%
Capital Outlay	382,000	382,000	218,000	(164,000)	-42.93%
Capital Improvements	7,943,000	11,933,745	8,530,500	(3,403,245)	-28.52%
<b>Total</b>	<b>\$ 17,961,860</b>	<b>\$ 22,393,028</b>	<b>\$ 19,201,013</b>	<b>\$ (3,192,015)</b>	<b>-14.25%</b>

Personal Services: Employee related costs are estimated to increase \$554,203 or 15.14%. The stormwater utility budget anticipates an increase of 4.20 FTEs. The FY 2022 budget includes a 3% increase to accommodate employee compensation and benefit changes.

Charges for Services: Studies and consultants are anticipated to decrease in FY 2022.

Debt Service: The budget increases by \$284,770 of 19.46% for interest payments required by the planned bond issue.

Capital Outlay: The proposed capital outlay budget for FY 2022 includes \$209,000 for vehicles and \$9,000 for field maintenance equipment.

Capital Improvements: The proposed capital improvement budget for FY 2022 is \$8,530,500, a decrease of \$3,403,245 from the FY 2021 amended budget. A detailed list of capital improvement projects is provided in the cash flow summary for the stormwater utility. The capital project summary by facility types are as follows:

**Proposed Storm Capital Improvement Program for FY 2021-22**

Type of Project	Proposed Budget 2021-2022
Lines and Riparian Corridor Projects	7,612,500
Lift Stations	700,000
Landscaping	168,000
Detention Basins	50,000
<b>Total 2021-2022 CIP</b>	<b>\$ 8,530,500</b>

## **Street Lighting Utility Enterprise Fund**

### **Street Lighting Infrastructure Background**

SLCDPU has updated the City's 2006 Street Lighting Master Plan in order to focus on community safety and aesthetic needs, particularly since updating lights and conversion of streetlights to energy efficient bulbs has changed the character of lighting in some neighborhoods.

In anticipation of the adoption of the updated master plan, SLCDPU anticipates revising the street lighting cost of service and rate study, as well as preparing a programmatic and systematic approach to implementation of the master plan.

Of the 15,662 lights that the City maintains, 8,796 lights or 56% are now considered to be energy efficient. SLCDPU is in the seventh year of a ten-year plan to convert all the lights to high energy efficiency lamps. The FY 2022 budget funds continuing conversion to high efficiency lights. Ongoing conversions are anticipated in some neighborhoods once the Street Lighting Master Plan is completed to provide better guidelines related to lighting color and intensity.

## Street Lighting Utility Budget Highlights for FY 2022

### Anticipated Revenues

No rate changes are proposed in the FY 2022 budget. The base lighting rates were established in 2013 at \$3.73 per month for an average residential customer, or Equivalent Residential Unit (ERU), and are expected to remain unchanged for this fiscal year. Rates for enhanced tiers are Tier 1 \$5.67, Tier 2 \$15.94, and Tier 3 \$43.82.

Continuation of the private lights program is proposed in the FY 2022 budget. The program includes a \$20,000 transfer from the General Fund and indicates the on-going desire of the City to provide a matching support to reduce the capital costs to neighborhoods installing private street lighting. SLCDPU administers this program.

The revenue budget is proposed to increase by \$279,183 from the FY 2021 budget. The proposed budget for FY 2022 by major category is as follows:

Projected Street Lighting Revenues for FY 2021-22					
Revenue	Adopted Budget 2020-2021	Amended Budget 2020-2021	Proposed Budget 2021-2022	Difference	Percent Change
Operating Sales	4,224,298	4,224,298	4,097,569	(126,729)	-3.00%
Interest	8,000	8,000	40,500	32,500	406.25%
Other Revenues	34,500	34,500	32,700	(1,800)	-5.22%
General Fund Contributions	20,000	21,788	20,000	(1,788)	-8.21%
From (To) Reserves	1,092,899	1,131,894	1,508,894	377,000	33.31%
<b>Total</b>	<b>\$ 5,379,697</b>	<b>\$ 5,420,480</b>	<b>\$ 5,699,663</b>	<b>\$ 279,183</b>	<b>5.15%</b>

Operating Sales: Rate changes are not proposed thus this category is expected to change significantly. The FY 2022 budget is based on actual sales revenue from FY 2020.

Interest Income: Interest earnings budget was revised based on a review of historical and current year earnings.

Other Revenues: The slight decrease is based on 5-year historical data.

General Fund Contributions: FY 2021 amended budget included CARES funding.

Reserve Funds: The FY 2021 budget anticipates using \$1,508,894 from the utility's reserve funds.

## **Proposed Expenditures**

Street lighting capital improvements totaling \$2,240,000 are planned in the FY 2022 budget. The Street Lighting Capital Program focuses on high efficiency and system upgrades in neighborhood, arterial and collector streets.

The expenditure budget for the street lighting utility is proposed to increase \$279,183 or 5.15% from the FY 2021 amended budget. The proposed budget for FY 2022 by major category is as follows:

<b>Proposed Street Lighting Expenditures for FY 2021-22</b>					
<b>Major Expenditure Categories</b>	<b>Adopted Budget 2020-2021</b>	<b>Amended Budget 2020-2021</b>	<b>Proposed Budget 2021-2022</b>	<b>Difference</b>	<b>Percent Change</b>
Personal Services	224,167	225,667	357,390	131,723	58.37%
Materials and Supplies	6,994	6,994	6,994	-	0.00%
Charges for Services	2,716,702	2,739,571	2,901,742	162,171	5.92%
Debt Service	191,834	191,834	193,537	1,703	0.89%
Capital Improvements	2,240,000	2,256,414	2,240,000	(16,414)	-0.73%
<b>Total</b>	<b>\$ 5,379,697</b>	<b>\$ 5,420,480</b>	<b>\$ 5,699,663</b>	<b>\$ 279,183</b>	<b>5.15%</b>

Personal Services: Employee related costs are estimated to increase \$131,723 or 58.37%. The street lighting utility budget anticipates an increased allocation of 1.15 FTE. The FY 2022 budget includes a 3% increase to accommodate employee compensation and benefit changes.

Charges for Services: The proposed budget for charges and services increases \$162,171 or 5.92% in FY 2022 with a budgeted increase in professional and contractual services.

Debt Service: In compliance with the outstanding Series 2017 Bond, budgeted debt service payments will increase slightly from FY 2021.

Capital Equipment: No expenditures of capital equipment are planned.

Capital Improvements: The proposed capital improvement budget for FY 2022 is \$2,240,000, a decrease of \$16,414 from the FY 2021 amended budget. A capital projects summary by facility type is as follows for base lighting and all enhanced tiers:

<b>Proposed Street Lighting Capital Improvement Program for FY 2021-22</b>	
<b>Type of Project</b>	<b>Proposed Budget 2021-2022</b>
System upgrades for high efficiency and uniformity - Base Tiers 1-3	2,240,000
<b>Total 2021-2022 CIP</b>	<b>\$ 2,240,000.00</b>



This page left intentionally blank.

**Combined Utilities- Budget Summary and Cash Flow**

Combined Rate Increase	Combined Rate Increase	Combined Rate Increase
18%	15%	13%

	ACTUAL	AMENDED	PROJECTED	PROPOSED	PROPOSED	PROPOSED
SOURCES	2019-20	BUDGET	ACTUAL	BUDGET	BUDGET	BUDGET
	2019-20	2020-21	2020-21	2021-22	2022-23	2023-24
<b>REVENUE &amp; OTHER SOURCES</b>						
<b>REVENUES</b>						
UTILITY SERVICE REVENUE	\$ 134,778,497	\$ 133,792,106	\$ 143,357,759	\$ 158,309,402	\$ 181,426,202	\$ 204,479,572
INTEREST INCOME	1,867,054	1,915,867	1,933,000	728,700	562,830	733,800
OTHER REVENUES	4,615,608	5,109,649	5,109,649	5,237,231	5,237,231	5,237,231
TOTAL REVENUES	\$ 141,261,159	\$ 140,817,622	\$ 150,400,408	\$ 164,275,333	\$ 187,226,263	\$ 210,450,603
<b>OTHER SOURCES</b>						
GRANTS & OTHER RELATED REVENUES	\$ 8,083,450	\$ 4,643,961	\$ 4,643,961	\$ 3,434,284	\$ 3,434,284	\$ 3,434,284
SALE OF EQUIPMENT	\$ 300,109	\$ 155,260	\$ 155,260	\$ 56,500	\$ 56,500	\$ 56,500
IMPACT FEES	4,710,332	2,995,670	3,511,006	3,595,670	3,595,670	3,595,670
TRANSFERS FROM GENERAL FUND	-	21,788	21,788	20,000	20,000	20,000
WIFIA LOAN	-	93,210,000	93,210,000	93,890,000	70,465,000	64,017,000
BOND PROCEEDS	-	93,520,000	197,939,471	155,993,000	130,726,000	108,603,000
NON BOND FINANCING	-	-	-	-	-	-
SHORT-TERM FINANCING	-	-	-	-	-	-
COUNTY FLOOD CONTROL	-	-	-	-	-	-
OTHER SOURCES	-	-	-	-	-	-
TOTAL OTHER SOURCES	\$ 13,093,891	\$ 194,546,679	\$ 299,481,486	\$ 256,989,454	\$ 208,297,454	\$ 179,726,454
<b>TOTAL REVENUE &amp; OTHER SOURCES</b>	<b>\$ 154,355,050</b>	<b>\$ 335,364,301</b>	<b>\$ 449,881,894</b>	<b>\$ 421,264,787</b>	<b>\$ 395,523,717</b>	<b>\$ 390,177,057</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONNEL SERVICES	\$ 34,309,801	\$ 42,360,790	\$ 42,360,790	\$ 45,645,184	\$ 47,188,269	\$ 48,784,598
OPERATING & MAINTENANCE	4,939,908	7,622,463	7,622,463	7,735,360	7,890,067	8,047,870
TRAVEL & TRAINING	82,058	314,177	314,177	298,005	303,966	310,046
UTILITIES	2,823,062	5,101,677	5,101,677	5,172,058	5,275,499	5,381,009
TECHNICAL SERVICES	5,714,544	17,131,119	16,661,119	16,466,271	17,295,598	17,641,512
IMS SERVICES	2,549,270	2,503,000	2,503,000	4,332,073	4,418,715	4,507,090
PUBLIC SERVICES / STREET SWEEPING	819,605	819,605	819,605	819,605	835,997	852,717
FLEET MAINTENANCE	1,655,067	2,008,050	2,008,050	2,005,500	2,045,610	2,086,521
ADMINISTRATIVE SERVICE FEE	1,482,952	1,555,200	1,555,200	1,600,416	1,632,424	1,665,074
PAYMENT IN LIEU OF TAXES	1,126,697	1,393,358	1,393,358	1,413,775	1,442,051	1,470,892
RISK MANAGEMENT	748,481	1,913,500	1,913,500	1,949,300	1,988,286	2,028,051
TRANSFERS TO GENERAL FUND	-	14,000	14,000	14,000	14,280	14,566
BILLING COST	1,684,523	1,502,571	1,502,571	1,618,882	1,651,259	1,684,284
NEW PLANT O&M COSTS	-	-	-	-	250,000	252,500
METRO. WATER PURCH & TREAT	15,668,662	16,474,663	16,474,663	16,969,000	17,308,380	17,654,548
METRO ASSESSMENT (CAPITAL)	7,021,892	7,866,115	7,866,115	7,866,115	7,866,115	7,866,115
OTHER CHARGES AND SERVICES	(309,437)	355,410	355,410	715,035	729,335	743,926
TOTAL EXPENDITURES	\$ 80,317,085	\$ 108,935,698	\$ 108,465,698	\$ 114,620,579	\$ 118,135,851	\$ 120,991,319
<b>OTHER USES</b>						
CAPITAL OUTLAY	\$ 6,219,965	\$ 5,397,151	\$ 5,397,151	\$ 6,167,835	\$ 5,539,814	\$ 5,553,794
CAPITAL IMPROVEMENT BUDGET	99,066,592	327,916,537	325,125,792	276,506,326	242,547,052	253,697,248
COST OF DEBT ISSUANCE	-	520,000	438,562	867,200	653,000	341,000
DEBT SERVICES	14,708,698	16,728,778	20,747,227	22,318,087	24,300,569	26,392,445
TOTAL OTHER USES	\$ 119,995,255	\$ 350,562,466	\$ 351,708,732	\$ 305,859,448	\$ 273,040,435	\$ 285,984,487

**PUBLIC UTILITIES**  
**COMBINED WATER, SEWER, STORMWATER, AND STREET LIGHTING CASH FLOW**  
**FY 2022 BUDGET AND FY 2023-2026 FORECAST**

	ACTUAL YEAR 2019-2020	PROJECTED YEAR 2020-2021	BUDGET YEAR 2021-2022	BUDGET YEAR 2022-2023	BUDGET YEAR 2023-2024	BUDGET YEAR 2024-2025	BUDGET YEAR 2024-2026
<b>REVENUE</b>							
WATER SALES	\$ 76,257,075	\$ 79,304,690	\$ 85,462,346	\$ 98,266,900	\$ 112,990,800	\$ 129,903,500	\$ 142,874,900
SEWER CHARGES	43,864,526	50,215,000	58,034,937	66,740,000	73,414,000	80,755,000	88,831,000
STORMWATER FEES	10,424,070	9,740,500	10,714,550	12,321,733	13,553,906	14,909,297	14,909,297
STREET LIGHTING FEES	4,232,826	4,097,569	4,097,569	4,097,569	4,520,866	5,155,812	5,579,109
TOTAL SERVICES FEES AND CHARGES	\$ 134,778,497	\$ 143,357,759	\$ 158,309,402	\$ 181,426,202	\$ 204,479,572	\$ 230,723,609	\$ 252,194,306
OTHER INCOME	\$ 4,615,608	\$ 5,109,649	\$ 5,237,231	\$ 5,237,231	\$ 5,237,231	\$ 5,237,231	\$ 5,237,231
INTEREST INCOME	1,867,054	1,933,000	728,700	562,830	733,800	598,100	448,300
TOTAL OPERATING INCOME	\$ 141,261,159	\$ 150,400,408	\$ 164,275,333	\$ 187,226,263	\$ 210,450,603	\$ 236,558,940	\$ 257,879,837
<b>OPERATING EXPENDITURES</b>							
OPERATING EXPENDITURES	\$ (80,317,085)	\$ (108,465,698)	\$ (114,620,579)	\$ (118,135,851)	\$ (120,991,319)	\$ (123,927,064)	\$ (126,945,531)
<b>NET INCOME EXCLUDING DEP.</b>	<b>\$ 60,944,074</b>	<b>\$ 41,934,710</b>	<b>\$ 49,654,754</b>	<b>\$ 69,090,412</b>	<b>\$ 89,459,284</b>	<b>\$ 112,631,876</b>	<b>\$ 130,934,306</b>
<b>OTHER INCOME &amp; EXPENSE</b>							
WIFIA LOAN	\$ -	\$ 93,210,000	\$ 93,890,000	\$ 70,465,000	\$ 64,017,000	\$ 24,356,000	\$ 2,697,000
NET BOND PROCEEDS	-	197,500,000	155,125,000	130,000,000	108,000,000	38,000,000	24,000,000
BIC Borrowed	-	439,471	868,000	726,000	603,000	212,000	134,000
BIC Paid	-	(438,562)	(867,200)	(726,000)	(603,000)	(212,000)	(134,000)
IMPACT FEES	4,710,332	3,511,006	3,595,670	3,595,670	3,595,670	3,595,670	3,595,670
OTHER CONTRIBUTIONS	8,083,450	4,665,749	3,454,284	3,454,284	3,454,284	3,454,284	4,037,461
SALE OF EQUIPMENT	300,109	155,260	56,500	56,500	56,500	56,500	56,500
CAPITAL OUTLAY	(3,449,785)	(3,747,151)	(4,517,835)	(3,889,814)	(3,903,794)	(3,918,053)	(3,932,597)
WATERSHED PURCHASES	(2,770,180)	(1,650,000)	(1,650,000)	(1,650,000)	(1,650,000)	(1,650,000)	(1,650,000)
STATE LOAND DEBT SERVICE	(6,375,000)	(2,125,000)	-	-	-	-	-
SHORT TERM FINANCING DEBT SERVICE							
DEBT SERVICE	(8,333,698)	(18,622,227)	(18,235,087)	(18,236,569)	(18,310,445)	(18,418,527)	(18,415,120)
NEW DEBT SERVICE	-	-	(4,083,000)	(5,991,000)	(7,820,000)	(12,888,000)	(16,859,000)
<b>OTHER INCOME &amp; EXPENSE</b>	<b>\$ (7,834,772)</b>	<b>\$ 272,898,546</b>	<b>\$ 227,636,332</b>	<b>\$ 177,804,071</b>	<b>\$ 147,439,215</b>	<b>\$ 32,587,874</b>	<b>\$ (6,470,086)</b>
<b>CAPITAL GENERATION</b>							
GENERATED FOR CAPITAL	\$ 53,109,302	\$ 314,833,256	\$ 277,291,086	\$ 246,894,483	\$ 236,898,499	\$ 145,219,750	\$ 124,464,220
<b>CAPITAL IMPROVEMENTS</b>							
CAPITAL IMPROVEMENTS	\$ (99,066,592)	\$ (325,125,792)	\$ (276,506,326)	\$ (242,547,052)	\$ (253,697,248)	\$ (162,106,203)	\$ (105,972,000)
<b>OPERATING CASH BALANCES</b>							
BEGINING CASH BALANCE	\$ 99,940,872	\$ 72,333,355	\$ 62,040,819	\$ 62,825,579	\$ 67,173,010	\$ 50,374,261	\$ 33,487,808
CASH INCREASE/(DECREASE)	(45,957,290)	(10,292,536)	784,760	4,347,431	(16,798,749)	(16,886,453)	18,492,220
RESTRICTED / DESIGNATED	18,349,773	-	-	-	-	-	-
<b>ENDING BALANCES</b>	<b>\$ 72,333,355</b>	<b>\$ 62,040,819</b>	<b>\$ 62,825,579</b>	<b>\$ 67,173,010</b>	<b>\$ 50,374,261</b>	<b>\$ 33,487,808</b>	<b>\$ 51,980,028</b>
<b>CASH RESERVE RATIO</b>	90.1%	57.2%	54.8%	56.9%	41.6%	27.0%	40.9%
<b>DEBT SERVICE COVERAGE</b>	4.14	2.02	2.22	2.85	3.42	3.60	3.71
<b>% CHANGE RESIDENTIAL UTILITY BILL*</b>		3.8%	10.2%	14.3%	13.3%	13.5%	9.3%
<b>DEBT SERVICE % OF GROSS OPERATING REVENUE</b>	5.6%	12.3%	13.5%	12.9%	12.4%	13.2%	13.6%
<b>RESIDENTIAL UTILITY BILL</b>	70.25	72.93	80.38	91.89	104.10	118.17	129.16

\* Residential Utility Bill assumes annual water consumption of 255 ccf/12 months, 4 ccf monthly of sewer, 1 Stormwater ERU (.25 acres) monthly, and 1 Street Lighting ERU (75 feet) monthly.

**PUBLIC UTILITIES  
FEES AND CHARGES PAID TO THE GENERAL FUND  
FOR SERVICES RENDERED  
OR COLLECTED BY CITY ORDINANCE**

DESCRIPTION OF SERVICES	JUNE 30, 2020 ACTUALS WATER	JUNE 30, 2020 ACTUALS SEWER	JUNE 30, 2020 ACTUALS STORM	JUNE 30, 2020 ACTUALS STREET LIGHT	JUNE 30, 2020 ACTUALS TOTALS	FY 2020/2021 BUDGET	FY 2021/2022 PROPOSED BUDGET
<b>ADMINISTRATIVE SERVICE FEES (GENERAL FUND)</b>							
HUMAN RESOURCES	\$ 236,838	\$ 170,406	\$ 49,622	\$ 2,493	\$ 459,359	\$ 481,740	\$ 495,756
CITY ATTORNEY	161,744	37,721	10,859	1,715	212,039	222,370	228,830
ACCOUNTING/FINANCE	160,854	95,464	25,311	7,660	289,289	303,380	312,200
PURCHASING & CONTRACTS	71,358	65,375	10,056	2,813	149,602	156,890	161,450
CITY RECORDERS	67,996	20,944	11,894	3,254	104,088	109,160	112,330
PROPERTY MANAGEMENT	-	-	-	-	-	-	-
BUDGET AND POLICY	43,303	28,674	13,933	5,336	91,246	95,690	98,470
NON-DISCRETIONARY IMS COSTS	43,609	22,698	11,822	1,156	79,285	83,150	85,570
TREASURER'S OFFICE (CASH MGT.)	55,175	15,875	13,916	11,454	96,420	101,120	104,060
CITY COUNCIL	-	-	-	-	-	-	-
MAYOR	-	-	-	-	-	-	-
COMMUNITY AFFAIRS	1,045	193	193	193	1,624	1,700	1,750
TOTAL ADMINISTRATIVE FEES	\$ 841,922	\$ 457,350	\$ 147,606	\$ 36,074	\$ 1,482,952	\$ 1,555,200	\$ 1,600,416
<b>TAX OR FEE AUTHORIZED</b>							
PAYMENT IN LIEU-OF-TAXES (GENERAL FUND)	\$ 365,000	\$ 661,263	\$ 100,434	\$ -	\$ 1,126,697	\$ 1,319,188	\$ 1,413,775
FRANCHISE FEES (GENERAL FUND)	2,097,350	2,455,601	453,359	-	5,006,310	5,887,831	7,808,965
TOTAL TAX OR FEE AUTHORIZED	\$ 2,462,350	\$ 3,116,864	\$ 553,793	\$ -	\$ 6,133,007	\$ 7,207,019	\$ 9,222,740
<b>INTERNAL SERVICE FUND SERVICES</b>							
FLEET MGT. SERVICES	\$ 1,005,504	\$ 415,753	\$ 233,808	\$ -	\$ 1,655,066	\$ 2,008,050	\$ 2,005,500
CITY DATA PROCESSING (IMS)	1,463,176	611,351	472,952	1,791	2,549,270	2,503,000	4,332,073
TELEPHONE CHARGES	-	-	-	-	-	2,000	2,000
RISK MGT. ADMININSTRATIVE FEES (GOV. IMMUNITY)	153,007	7,641	28,831	260	189,739	222,250	272,250
RISK MANAGEMENT PREMIUMS & CHARGES	799,517	45,793	39,910	-	885,220	1,690,750	1,676,550
TOTAL INTERNAL SERVICE FUND SERVICES	\$ 3,421,204	\$ 1,080,539	\$ 775,501	\$ 2,051	\$ 5,279,295	\$ 6,426,050	\$ 8,288,373
<b>SPECIAL ASSOCIATED CHARGES (INDIRECT BENEFIT)</b>							
ONESOLUTION MAINTENANCE (NETWORK FINANCIAL SYSTEM)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,000	\$ 14,000
STREET SWEEPING	-	-	819,605	-	819,605	819,605	819,605
NEIGHBORHOOD CLEAN-UP	-	-	-	-	-	-	-
EMERGENCY MANAGEMENT	-	-	-	-	-	-	-
TOTAL SPECIAL ASSOCIATED CHARGES	\$ -	\$ -	\$ 819,605	\$ -	\$ 819,605	\$ 833,605	\$ 833,605
<b>TOTAL FEES, TAXES AND CHARGES</b>	<b>\$ 6,725,476</b>	<b>\$ 4,654,752</b>	<b>\$ 2,296,505</b>	<b>\$ 38,125</b>	<b>\$ 13,714,859</b>	<b>\$ 16,021,874</b>	<b>\$ 19,945,134</b>

**Public Utilities Proposed Consulting Studies for FY 2021-2022**

Division	Cost Center	Study or Project Description	Lighting	Water	Sewer	Storm	Total
Administration	5100200	Special Consultant - Canal Loss Study		30,000			30,000
Administration	5103000	Special Consultant		12,000			12,000
Administration	5103300	Process Improvement split 50:50 with Development Review		50,000			50,000
Administration	5100200	Special Consultant NAWC and DNR Cloud Seeding		80,000			80,000
Administration	5100200	Special Consultant - University of Utah Climate Study		195,000			195,000
Administration	5103600	Artificial Turf Study - impacts to landscape plant water need. Partnership with U		20,000			20,000
Administration	5103600	Golf Course Turf Study. Partnership with USU and USDA.		25,000			25,000
Administration	4848000	Implementation plan, and Misc. Needs	90,000				90,000
Administration	4848000	Engagement	80,000				80,000
Administration	4848000	Rate Study	50,000				50,000
Administration	5100200	Special Consultant - Measurement and Device Study		50,000			50,000
Administration	5100200	Water Banking Opportunities Study		75,000			75,000
Administration	4848000	Smart Cities Plan-Contribution	40,000				40,000
Administration	5100200	Sustainability Opportunities Study for Public Utilities		50,000			50,000
Engineering	5101300	AMP for Storage Reservoirs		135,000			135,000
Engineering	5210400	Jacobs Program Support			300,000		300,000
Engineering	5310300	Storm Water Master Plan				700,000	700,000
Engineering	5310300	Jacobs Program Support				75,000	75,000
Engineering	5101300	Jacobs Program Support		300,000			300,000
Engineering	5101300	Well Siting Study		286,000			286,000
Finance	5310500	Energy Retro-Commissioning Study				35,000	35,000
Finance	5103200	Special Consultant		500,000			500,000
Finance	5211700	Energy Retro-Commissioning Study			55,000		55,000
Finance	5103200	Space Needs Assessment		75,000			75,000
Finance	5211700	Space Needs Assessment			37,500		37,500
Finance	5310500	Space Needs Assessment				37,500	37,500
GIS	5101600	Special Consultant		37,500			37,500
Maintenance	5100100	Material removal		60,000			60,000
Maintenance	5100300	Consultants - Wells		100,000			100,000
Maintenance	5100100	Geotech Consultants		50,000			50,000
Reclamation	5211300	Wasatch Front Water Quality Council (WFWQC)			150,000		150,000
Reclamation	5212400	Molybdenum Pollution Sewer Collection Investigation.			100,000		100,000
Reclamation	5211300	North West Drainage Canal Flow Study			100,000		100,000
Water Quality	5101800	Public Relations		10,000			10,000
Water Quality	5101800	Utah State University Canal Analysis		35,300			35,300
Water Quality	5101800	Water Quality Analysis-Various		70,000			70,000
Water Quality	5100600	Watershed Management Plan		50,000			50,000
Water Quality	5100600	Misc Needs		10,000			10,000
Water Quality	5100600	PR Keep it Pure Campaign-Continuous work		50,000			50,000
Water Quality	5310700	Various regulatory reports - permit compliance Stormwater				10,000	10,000
Water Quality	5100600	PMAA Remediation and Restoration Design		500,000			500,000
Water Quality	5310700	IWM-Plan and Planning Documents				137,000	137,000
Water Quality	5310700	SAW QA/QC				10,000	10,000
Water Quality	5310700	IWM-Stakeholder Engagement				12,500	12,500
Water Quality	5101000	Lead & Copper Support		250,000			250,000
Water Quality	5100600	Watershed Management Plan-Stakeholder and public engagement		30,000			30,000
			260,000	3,135,800	742,500	1,017,000	5,155,300

This page left intentionally blank.



## **Water Utility- Budget Summary and Cash Flow**

**WATER UTILITY BUDGET SUMMARY  
FY 2022-24**

				Rate Increase 8%	Rate Increase 15%	Rate Increase 15%
	ACTUAL	AMENDED	PROJECTED	PROPOSED	FORECAST	FORECAST
SOURCES	2019-20	BUDGET 2020-21	ACTUAL 2020-21	BUDGET 2021-22	BUDGET 2022-23	BUDGET 2023-24
<b>REVENUE &amp; OTHER SOURCES</b>						
<b>REVENUES</b>						
METERED SALES	\$ 76,257,075	\$ 69,612,308	\$ 79,304,690	\$ 85,462,346	\$ 98,266,900	\$ 112,990,800
INTEREST INCOME	583,230	715,896	715,896	398,000	184,530	165,000
OTHER REVENUES	4,197,718	4,530,048	4,530,048	4,762,372	4,762,372	4,762,372
TOTAL REVENUES	\$ 81,038,023	\$ 74,858,252	\$ 84,550,634	\$ 90,622,718	\$ 103,213,802	\$ 117,918,172
<b>OTHER SOURCES</b>						
GRANTS & OTHER RELATED REVENUES	\$ 2,562,909	\$ 2,533,356	\$ 2,533,356	\$ 1,953,620	\$ 1,953,620	\$ 1,953,620
IMPACT FEES	2,521,760	1,184,670	1,338,448	1,784,670	1,784,670	1,784,670
SALE OF EQUIPMENT	125,034	135,260	135,260	40,500	40,500	40,500
OTHER SOURCES	-	-	-	-	-	-
BOND PROCEEDS	-	42,235,000	77,129,992	26,146,000	42,235,000	62,346,000
TOTAL OTHER SOURCES	\$ 5,209,703	\$ 46,088,286	\$ 81,137,056	\$ 29,924,790	\$ 46,013,790	\$ 66,124,790
<b>TOTAL REVENUE &amp; SOURCES</b>	<b>\$ 86,247,726</b>	<b>\$ 120,946,538</b>	<b>\$ 165,687,690</b>	<b>\$ 120,547,508</b>	<b>\$ 149,227,592</b>	<b>\$ 184,042,962</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONNEL SERVICES	\$ 21,571,541	\$ 25,774,546	\$ 25,774,546	\$ 28,272,052	\$ 29,120,215	\$ 29,993,822
OPERATING & MAINTENANCE	3,731,042	4,806,680	4,806,680	4,839,903	4,936,702	5,035,437
TRAVEL & TRAINING	46,251	179,100	179,100	180,800	184,417	188,106
UTILITIES	1,251,633	2,845,999	2,845,999	2,857,150	2,914,294	2,972,580
TECHNICAL SERVICES	2,493,855	11,117,403	11,117,403	10,908,535	11,626,706	11,859,240
IMS SERVICES	1,463,176	1,408,000	1,408,000	2,486,100	2,535,822	2,586,538
FLEET MAINTENANCE	1,005,504	1,250,500	1,250,500	1,250,500	1,275,510	1,301,020
ADMINISTRATIVE SERVICE FEE	841,922	867,200	867,200	893,216	911,080	929,302
PAYMENT IN LIEU OF TAXES	365,000	385,780	385,780	428,864	437,441	446,190
METRO. WATER PURCH & TREAT	15,668,662	16,474,663	16,474,663	16,969,000	17,308,380	17,654,548
METRO ASSESSMENT (CAPITAL)	7,021,892	7,866,115	7,866,115	7,866,115	7,866,115	7,866,115
RISK MANAGEMENT	626,046	1,444,950	1,444,950	1,481,750	1,511,385	1,541,613
TRANSFERS TO GENERAL FUND	-	10,000	10,000	10,000	10,200	10,404
OTHER CHARGES AND SERVICES	(556,896)	(272,628)	(272,628)	(68,194)	(69,558)	(70,948)
TOTAL EXPENDITURES	\$ 55,529,628	\$ 74,158,308	\$ 74,158,308	\$ 78,375,791	\$ 80,568,709	\$ 82,313,967
<b>OTHER USES</b>						
CAPITAL OUTLAY	\$ 4,109,586	\$ 3,820,671	\$ 3,820,671	\$ 4,622,835	\$ 4,622,835	\$ 4,622,835
CAPITAL IMPROVEMENT BUDGET	30,538,705	82,050,006	82,050,006	39,600,000	68,462,800	88,923,500
COST OF DEBT ISSUANCE	-	235,000	129,992	146,000	162,000	84,000
DEBT SERVICES	1,138,500	2,650,774	4,870,922	4,620,929	5,920,053	7,991,385
TOTAL OTHER USES	\$ 35,786,791	\$ 88,756,451	\$ 90,871,591	\$ 48,989,764	\$ 79,167,688	\$ 101,621,720
<b>TOTAL EXPENSE &amp; OTHER USES</b>	<b>\$ 91,316,419</b>	<b>\$ 162,914,759</b>	<b>\$ 165,029,899</b>	<b>\$ 127,365,555</b>	<b>\$ 159,736,397</b>	<b>\$ 183,935,687</b>
<b>EXCESS REVENUE AND OTHER</b>						
SOURCES OVER (UNDER) USES	(\$5,068,693)	(\$41,968,221)	\$657,791	(\$6,818,047)	(\$10,508,805)	\$107,275
<b>OPERATING CASH BALANCES</b>						
BEGINNING JULY 1	\$ 23,684,887	\$ 28,197,285	\$ 28,197,285	\$ 28,855,076	\$ 22,037,029	\$ 11,528,224
RESTRICTED / DESIGNATED	9,581,091	-	-	-	-	-
AVAILABLE JUNE 30	\$ 28,197,285	\$ (13,770,936)	\$ 28,855,076	\$ 22,037,029	\$ 11,528,224	\$ 11,635,499
Cash Reserve Ratio	51%	-19%	39%	28%	14%	14%
	28 Cash reserve goal above 14%					

**WATER UTILITY CASH FLOW**  
**FY 2022 BUDGET / FY 2023-2026 FORECAST**

	ACTUAL YEAR 2019-2020	PROJECTED YEAR 2020-2021	BUDGET YEAR 2021-2022	BUDGET YEAR 2022-2023	BUDGET YEAR 2023-2024	BUDGET YEAR 2024-2025	BUDGET YEAR 2025-2026
<b>REVENUE</b>							
WATER SALES	\$ 76,257,075	\$ 79,304,690	\$ 85,462,346	\$ 98,266,900	\$ 112,990,800	\$ 129,903,500	\$ 142,874,900
OTHER INCOME	4,197,718	4,530,048	4,762,372	4,762,372	4,762,372	4,762,372	4,762,372
INTEREST INCOME	583,230	715,896	398,000	184,530	165,000	165,000	165,000
OPERATING INCOME	\$ 81,038,023	\$ 84,550,634	\$ 90,622,718	\$ 103,213,802	\$ 117,918,172	\$ 134,830,872	\$ 147,802,272
<b>OPERATING EXPENDITURES</b>							
METROPOLITAN WATER ASSESSMENT	\$ (7,021,892)	\$ (7,866,115)	\$ (7,866,115)	\$ (7,866,115)	\$ (7,866,115)	\$ (7,866,115)	\$ (7,866,115)
METROPOLITAN WATER PURCHASES	(15,668,662)	(16,474,663)	(16,474,663)	(16,804,156)	(17,140,239)	(17,483,044)	(17,832,705)
OPERATING EXPENDITURES	(32,839,074)	(49,817,530)	(54,035,013)	(55,898,438)	(57,307,613)	(58,753,706)	(60,237,715)
TOTAL OPERATING EXPENSES	\$ (55,529,628)	\$ (74,158,308)	\$ (78,375,791)	\$ (80,568,709)	\$ (82,313,967)	\$ (84,102,865)	\$ (85,936,535)
<b>NET INCOME EXCLUDING DEP.</b>	\$ 25,508,395	\$ 10,392,326	\$ 12,246,927	\$ 22,645,093	\$ 35,604,205	\$ 50,728,007	\$ 61,865,737
<b>OTHER INCOME &amp; EXPENSE</b>							
NET BOND PROCEEDS	\$ -	\$ 77,000,000	\$ 26,000,000	\$ 42,000,000	\$ 62,000,000	\$ 38,000,000	\$ 24,000,000
BIC Borrowed	-	129,992	146,000	235,000	346,000	212,000	134,000
BIC Paid	-	(129,992)	(146,000)	(235,000)	(346,000)	(212,000)	(134,000)
SHORT TERM FINANCING	-	-	-	-	-	-	-
IMPACT FEES	2,521,760	1,338,448	1,784,670	1,784,670	1,784,670	1,784,670	1,784,670
OTHER CONTRIBUTIONS	2,562,909	2,533,356	1,953,620	1,953,620	1,953,620	1,953,620	1,953,620
SALE OF EQUIPMENT	125,034	135,260	40,500	40,500	40,500	40,500	40,500
CAPITAL OUTLAY	(1,339,406)	(2,170,671)	(2,972,835)	(2,972,835)	(2,972,835)	(2,972,835)	(2,972,835)
WATERSHED AND WATER RIGHTS PURCHASES	(2,770,180)	(1,650,000)	(1,650,000)	(1,650,000)	(1,650,000)	(1,650,000)	(1,650,000)
DEBT SERVICE	(1,138,500)	(4,870,922)	(3,944,929)	(3,944,053)	(3,997,385)	(4,076,541)	(4,076,541)
NEW DEBT SERVICE	-	-	(676,000)	(1,903,000)	(3,732,000)	(5,676,000)	(7,519,000)
<b>OTHER INCOME &amp; EXPENSE</b>	\$ (38,383)	\$ 72,315,471	\$ 20,535,026	\$ 35,308,902	\$ 53,426,570	\$ 27,403,414	\$ 11,560,414
<b>CAPITAL GENERATION</b>							
GENERATED FOR CAPITAL	\$ 25,470,012	\$ 82,707,797	\$ 32,781,953	\$ 57,953,995	\$ 89,030,775	\$ 78,131,421	\$ 73,426,151
<b>CAPITAL IMPROVEMENTS</b>							
CAPITAL IMPROVEMENTS	\$ (30,538,705)	\$ (82,050,006)	\$ (39,600,000)	\$ (68,462,800)	\$ (88,923,500)	\$ (77,588,600)	\$ (73,147,000)
<b>OPERATING CASH BALANCES</b>							
BEGINING CASH BALANCE	\$ 23,684,887	\$ 28,197,285	\$ 28,855,076	\$ 22,037,029	\$ 11,528,224	\$ 11,635,499	\$ 12,178,320
CASH INCREASE/(DECREASE)	(5,068,693)	657,791	(6,818,047)	(10,508,805)	107,275	542,821	279,151
RESTRICTED / DESIGNATED	9,581,091	-	-	-	-	-	-
<b>ENDING CASH AVAILABLE</b>	\$ 28,197,285	\$ 28,855,076	\$ 22,037,029	\$ 11,528,224	\$ 11,635,499	\$ 12,178,320	\$ 12,457,471
<b>DEBT SERVICE COVERAGE</b>	<b>22.41</b>	<b>2.13</b>	<b>2.65</b>	<b>3.87</b>	<b>4.61</b>	<b>5.20</b>	<b>5.34</b>
<b>RATE CHANGE</b>	<b>5%</b>	<b>0%</b>	<b>8%</b>	<b>15%</b>	<b>15%</b>	<b>15%</b>	<b>10%</b>
<b>Cash Reserve Ratio (Total Cash)</b>	<b>51%</b>	<b>39%</b>	<b>28%</b>	<b>14%</b>	<b>14%</b>	<b>14%</b>	<b>14%</b>
DEBT SERVICE % OF GROSS OPERATING REVENUE	1%	6%	5%	5%	6%	7%	8%
MONTHLY RESIDENTIAL BILL (255 ccf annually/12 mos.)	46.41	46.41	50.15	57.68	66.34	76.30	83.93

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
51-01301-	2720.10		<b>MAINTENANCE &amp; REPAIR SHOPS</b>									
01401		2015-0460	DISTRIBUTION AND ELECTRICAL BARN	4	4							850,000
			CAMPUS	5	5							75,000,000
03201	512185		FUEL PUMP AWNINGS	5	0							250,000
						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,100,000
						-	-	-	-			
51-01301-	2720.30		<b>TREATMENT PLANTS</b>									
			<b>CITY CREEK</b>									
00701	512260079	2017-2043	TREATMENT PLANT UPGRADES	5	5	600,000	1,750,000	3,980,000	3,980,000	3,980,000		
00701		2019-1001	CITY CREEK WTP UPGRADES - PHASE 2	5	3							51,200,000
00701	512260081	2019-1136	SCADA SYSTEM UPGRADES	5	5	1,250,000	250,000					
00701	512260083	2020-1010	CITY CREEK FILTER MEDIA REPLACEMENT	5	4	2,500,000						
00701	512260082	2020-1024	GREY WATER LINE ALONG CREEKSIDE	4	5	50,000	50,000					
00701		2020-1185	CCWTP RAILING REPLACEMENT & TOUR PATH IMPROVEMENTS	5	4			250,000				
						\$ 4,400,000	\$ 2,050,000	\$ 4,230,000	\$ 3,980,000	\$ 3,980,000	\$ -	\$ 51,200,000
										-		
			<b>PARLEY'S</b>									
00801	512450068		PLANT DESIGN AND UPGRADES PKG 2	5	3/4/5	1,600,000	750,000	350,000	350,000			
00801	512450069	2015-0594	BACK-UP WATER SUPPLY FOR HIGH PRESSURE TANK	5	3							
00801	512450068	2015-0701	PLANT DESIGN AND UPGRADES PKG 3 (FUTURE)	5	4							
00801	5124532		REPLACEMENT OF CHEMICAL FEED PUMPS PARLEY'S CANYON									
00801	5124526	2015-0455	INFLUENT CONTROL BOX	4	3							
00801	512450066	2016-0867	ROOF REPLACEMENT	4	5							
00801	512450067	2016-0874	REBUILD/REPLACE FLOC-SED BASIN VENTILATION SYSTEM	2	5							
00801		2015-0450	PRECURSOR - TASTE AND ODOR CONTROL	3	3							
00801	5124504	2015-0449	SLUDGE BEDS - PIPING AND VALVES	2	3							
00801		2015-0197	ELECTRICAL CONDUITS/PAVING TO BLOW-OFF BOX/ASPHALT EAST A	3	3							
00801		2015-0204	REPLACE FLOCCULATORS	4	4							
00801		2017-2005	PROCESS UPGRADES (FROM SED BASIN PREDESIGN)	1	0							
00801		2017-2006	VERTICAL FLOCCULATOR INSTALLATION	4	4							7,500,000
00801	512450076	2018-1037	PARLEYS DIVERSION SCREEN PROJECT	5	4		250,000	2,000,000				
00801		2018-1095	PARLEYS FINISHED WATER RESERVOIR	3	0							
00801		2018-1094	NEW PARLEYS WATER TREATMENT PLANT	5	4							
00801	512450080	2019-1188	PARLEYS ACCESS CONTROL			500,000						
00801		2020-1103	PWTP SANITARY SURVEY RELATED IMPROVEMENTS	5	5		300,000					
00801		2020-1136	PWTP PRIORITY IMPROVEMENTS (PKG4)	5	5			3,500,000	3,500,000			
00801		2020-1183	RAW WATER INTAKE/DISSIPATION	5	4			3,750,000	3,750,000			
00801		2020-1179	CHEMICAL BUILDING	5	4							14,000,000
00801		2020-1181	ELECTRICAL & SCADA SYSTEM UPGRADES	5	4							10,000,000
00801		2020-1182	FILTER REHAB	4	4							15,000,000
00801			FILTER REBUILD, FINISHED WATER RESERVOIR & OPERATIONS BUILDING	4	4							75,000,000
00801		2020-1184	PWTP STILLING TOWER AND BASIN REBUILD	5	4							1,875,000
00801		2020-1180	CLARIFIER AND CLARIFIER PUMP STATION REBUILD	4	4							3,000,000
00801		2020-1189	PAC STORAGE AND FEED									1,500,000
00801		2020-1177	PWTP HYPO TANKS 1 & 2 IMPROVEMENTS	5	5							
00801		2020-1187	PWTP HYPO TANKS 3 & 4 IMPROVEMENTS	5	4			100,000				
00801		2020-1186	PWTP ROOFING PROJECT	2	4						1,000,000	
						\$ 2,100,000	\$ 1,300,000	\$ 9,700,000	\$ 7,600,000	\$ -	\$ 1,000,000	\$ 127,875,000
										-		

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
			<b>BIG COTTONWOOD</b>									
00901	51262759	2015-0186	SCADA MASTER PLAN/OPERATOR STATION UPGRADE IMPLEMENTATION									
00901	512627471	2019-1002	BIG COTTONWOOD WTP REBUILD- DESIGN	5	4							
00901	512627474	2020-1032	BIG COTTONWOOD WTP REBUILD - ALTERNATIVES ANALYSIS	4	4	550,000	250,000					
00901	512627476		BIG COTTONWOOD WTP REBUILD CONSULTANT	5	4		2,200,000	7,000,000	7,000,000	5,000,000	5,000,000	4,600,000
00901		2020-1075	BIG COTTONWOOD WTP REBUILD PUBLIC ENGAGEMENT	5	4		300,000	300,000	300,000	300,000	300,000	600,000
00901		2020-1134	BIG COTTONWOOD WTP REBUILD CM/GC (PRE-CONSTRUCTION)	5	4		850,000	3,500,000				
00901		2020-1135	BIG COTTONWOOD WTP REBUILD -CONSTRUCTION	5	4				36,000,000	36,000,000	36,000,000	72,000,000
00901	512627473	2018-1099	FILTER ASSESSMENT AND IMPROVEMENTS	5	4							
00901		2015-0191	ASPHALT LOWER END OF BUILDING TO DRYING BEDS	3	0							200,000
00901		2018-1030	BIG COTTONWOOD SOLIDS SYSTEM UPGRADE	5	3							4,000,000
00901		2015-0188	FINISHED WATER FLOW METER AND SAMPLE POINT	5	4							1,030,000
00901		2020-1160	BCWTP SECURITY CONTROLS AND ACCESS IMPROVEMENTS	5	4		250,000					
00901		2020-1104	BCWTP SANITARY SURVEY RELATED IMPROVEMENTS	5	5		150,000					
						\$ 550,000	\$ 4,000,000	\$ 10,800,000	\$ 43,300,000	\$ 41,300,000	\$ 41,300,000	\$ 82,430,000
			<b>TOTAL TREATMENT PLANTS</b>			\$ 7,050,000	\$ 7,350,000	\$ 24,730,000	\$ 54,880,000	\$ 45,280,000	\$ 42,300,000	\$ 261,505,000
			<b>PUMPING PLANTS AND PUMP HOUSES</b>									
51-01301-	2720.35											
01301	513416331		EAST BENCH PUMP STATION - FULL BACKUP POWER	5	5							
01301	513416373	2019-1178	CANYON COVE ROOF REPLACEMENT			80,000						
01301	513416371	2016-1174	5TH AVE AND U ST PUMP STATION BACKUP POWER	5	5							
01301	513416364	2016-1282	BONNEVILLE AND EAST BENCH PUMP STATION - PUMP UPGRADES	5	5							
01301	513416365	2015-0514	NORTH BENCH PUMP STATION ROOF	4	5							
01301	513505271	2015-0378	UPLAND DR PROJECT	4	5							
01301	513800033	2015-0555	3900 SOUTH BIRCH DRIVE VALVE VAULT	4	4							
01301	513416359	2016-0888	3900 SOUTH PUMP STATION	4	4							
01301			3900 SOUTH PUMP STATION PHASE 2 - 3900 SOUTH PUMP STATION & EDWARDS DRIVE	4	4			4,000,000				
01301			3900 SOUTH PUMP STATION PHASE 3 - SUPPLY AND HIGH PRESSURE PIPELINES	4	4			6,000,000				
01301			3900 SOUTH PUMP STATION PHASE 4 - PUMP STATION CONNECTIONS	4	4				1,500,000			
01301	513416366	2015-0531	GOLDEN HILLS PUMP STATION	3	5		200,000					
01301	513416367	2016-1208	5TH AND U PUMP STATION IMPROVEMENTS	4	4		1,300,000					
01301	513416361	2015-0563	OAKHILLS PUMP STATION - MCC - VFD - PUMP UPGRADE	3	3			550,000				
01301		2016-0937	ENSIGN DOWNS PS VFD	3	3		50,000					
01301	513416336	2015-0428	MP 3.12 B - 7800 SOUTH AUXILIARY POWER	3	3					305,000		
01301		2016-1179	300 EAST PUMP STATION BACKUP POWER	3	3					700,000		
01301		2016-1180	3300 SOUTH BOOSTER PUMP STATION BACKUP POWER	3	3				400,000			
01301		2016-1181	KENTON DRIVE PUMP STATION BACKUP POWER	3	3				400,000			
01301		2016-1183	VIRGINIA AND MILLCREEK PUMP STATION BACKUP POWER	3	3				400,000			
01301		2016-1184	EASTWOOD PUMP STATION BACKUP POWER	3	3				400,000			
01301		2016-1185	MILLCREEK PUMP STATION BACKUP POWER	3	3							400,000
01301		2016-1186	39TH AND BIRCH PUMP STATION BACKUP POWER	3	3							400,000
01301		2016-1187	CANYON COVE PUMP STATION BACKUP POWER	3	3					400,000		
01301		2016-1188	7800 SOUTH PUMP STATION BACKUP POWER	3	3					400,000		
01301		2016-1189	GOLDEN HILLS PUMP STATION BACKUP POWER	3	3						400,000	
01301		2016-1190	CARRIGAN COVE PUMP STATION BACKUP POWER	3	3						400,000	
01301		2016-1173	NORTH BENCH PUMP STATION BACKUP POWER	3	3						400,000	

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
01301		2016-1175	UNIVERSITY PUMP STATION BACKUP POWER	3	3							400,000
01301		2016-1176	RESEARCH PARK PUMP STATION BACKUP POWER	3	3							400,000
01301		2016-1177	OAK HILLS PUMP STATION BACKUP POWER	3	3				500,000			
01301		2016-1178	BONNEVILLE PUMP STATION BACKUP POWER	3	3							400,000
01301		2016-1191	3900 SOUTH BOOSTER PUMP STATION BACKUP POWER	3	3							400,000
01301		2016-1192	6200 SOUTH IRRIGATION PUMP STATION BACKUP POWER	3	3					500,000		
01301		2016-1193	EMIGRATION PUMP STATION BACKUP POWER	3	3					400,000		
01301		2016-1223	5TH AVE AND U ST PUMP STATION VFD'S	3	3							200,000
01301		2016-1224	ARLINGTON HILLS PUMP STATION VFD'S	3	3							200,000
01301		2016-1225	NORTH BENCH PUMP STATION VFD'S	3	3							200,000
01301		2016-1226	5TH AVE AND U ST PUMP STATION PIPING	3	3							200,000
01301		2017-2009	REPAIR AND LINE OF UNIVERSITY DRAIN LINE	2	3							10,000
01301		2015-0517	4500 SOUTH PUMP STATION BLACK TOP	1	3							25,000
01301		2015-0522	RECURRING PUMP STATION REPAIR FUND	3	0							200,000
01301	513416329	2015-0169	UV UPGRADE 6200 SOUTH PUMP STATION	1	2							300,000
01301		2016-1194	ENSIGN DOWNS PUMP STATION BACKUP POWER	3	0							400,000
01301		2015-0172	MP 3.8C - VICTORY ROAD - ENSIGN DOWNS PHASE II - PROPERTY PURCHASE	4	0							500,000
01301		2015-0173	4500 SOUTH PUMP STATION (BACK UP)	5	0							1,500,000
						\$ 80,000	\$ 1,550,000	\$ 10,550,000	\$ 3,600,000	\$ 2,705,000	\$ 1,200,000	\$ 6,135,000
51-01301-	2730.02		<b>CULVERTS FLUMES &amp; BRIDGES</b>									
01301	5129264		JSL CANAL CONDUIT REPLACEMENT - SUGARHOUSE	5	5	1,300,000						
01301	513000045	2016-1166	SUGARHOUSE WELL SPLASH PAD	5	5							150,000
01301	512900272	2015-0432	VARIOUS CANAL IMPROVEMENTS	5	5	25,000	25,000	25,000	25,000			
01301	512900273	2016-0737	IRRIGATION SCADA IMPROVEMENTS	5	5		20,000	20,000	20,000			
01301		2016-0816	ROCKHOUSE DUMP - INTAKE IMPROVEMENT	5	4				78,500			
01301	513000034	2016-0858	FLUME FROM DOUBLE BARRELS TO RAILROAD TRACKS	4	4		1,000,000	1,500,000				
01301	5129246	2015-0158	REPLACE FLUME/AUTO DUMP AND JSL CANAL ENCLOSURE @ MILLCREEK	4	4		468,000					
01301	512900274	2017-2076	HEADGATE REHABILITATION 18/19	4	4		20,000	20,000	20,000			
01301	513000026	2015-0161	E JORDAN TOWER - IMPROVED ACCESS	3	5				150,000			
01301	512900278	2016-1167	6200 SOUTH LIFT STATION WEIR PROTECTION	3	5				250,000			
01301	5129231	2015-0152	JSL CANAL - 1750 S EMIGRATION DIVERSION STRUCTURE REBUILD	4	3				50,000	290,000		
01301	5129233	2015-0604	JSL 3800 S REHAB FLOOR AND LEAKAGE	3	4				18,000			
01301	5129251	2015-0151	JSL ENCLOSURE FROM 1300 EAST TO MILLCREEK	3	3						997,000	997,000
01301		2015-0168	IMPROVEMENTS TO JSL DUMP AT I-80	3	3							
01301	5129235	2015-0606	JSL 4500 SOUTH TO OSAGE ORANGE DRIVE -- CANAL BANK HYDRAULICS	3	3							
01301	5129249	2015-0149	NEW IRRIGATION CONDUIT ON HARVARD AVENUE	4	0			50,000	402,000			
01301	513000038	2016-0865	OIL SEPARATORS AND DRAINAGE SYSTEM FOR THE ARTESIAN SHOP	4	0					1,200,000		1,300,000
01301		2016-1165	LOW FLOW CHANNEL AT SPENCER'S POND ( BIG COTTONWOOD CREEK)	4	0				300,000			
01301		2016-1284	1100 EAST DIVERSION STRUCTURE AT WILLINGTON	4	0							
01301	5129232	2015-0602	JSL CANAL -- MODIFY BIG SPILL TO HANDLE TEMPORARY PUMP	2	2				82,000			
01301		2016-1287	STUDY ON WELLS AT WALKER LANE AND FOUNTAIN BEAU	1	3							1,000,000
01301		2016-0749	J&SL DIVERSION STRUCTURE AT 2700 SOUTH	2	0							
01301		2016-1286	3000 EAST WELL FOR WATER DELIVERIES	2	0							2,000,000
01301	5129242	2015-0153	PIPING DITCH ON JSL, OSAGE ORANGE AVENUE TO LINCOLN LANE	1	0							
01301		2015-0160	DESPAIN IRRIGATION SYSTEM IMPROVEMENTS	3	3							17,000
01301		2015-0603	JSL CANAL/JORDAN RIVER STABILIZATION AT EAST JORDAN DUMP	4	4							406,000
01301		2018-1019	14600 SO. CANAL OVER FLOW STRUTURE	3	3							500,000
01301		2018-1080	3900SO STORM DRAIN OVER FLOW	2	4							300,000
01301		2018-1082	LITTLE TANNER PIPE PROJECT	2	0							50,000
01301			REHABILITATION/REPLACEMENT OF JSL IN CITY LIMITS			50,000					400,000	

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
						\$ 1,375,000	\$ 1,533,000	\$ 1,615,000	\$ 1,395,500	\$ 1,490,000	\$ 1,397,000	\$ 6,720,000
	<u>51-01301-</u>	<u>2730.04</u>	<u>DEEP PUMP WELLS</u>									
	01301	2019-1184	BRINTON SPRINGS WELL IMPROVEMENTS	5	4		405,000					
	01301	51322336	2015-0171 WELL TREATMENT PROJECT - 1500 EAST WELL	5	4		425,000					100,000
	01301	513223429	WELL SANITARY SURVEY DEFICIENCIES				800,000					
	01301		2019-1185 EDGEWOOD WELL IMPROVEMENTS						400,000			
	01301		2019-1186 ELLISON WELL IMPROVEMENTS						400,000			
	01301		2019-1187 FONTAIN BLEU WELL IMPROVEMENTS						400,000			
	01301	5132245	2015-0429 WELL ASSESSMENT AND UPGRADES	5	5				200,000	200,000	200,000	
	01301	5132270	2015-0430 WELL BUILDING STRUCTURE UPGRADES	5	5				100,000	100,000	100,000	
	01301		DESIGN FOR NEW WELL SOURCE									250,000
	01301	5132268	2015-0213 MP3.4 - 4TH AVENUE WELL ELECTRICAL IMPROVEMENTS	5	5	3,000,000						
	01301	5132269	2015-0212 MP3.4 - 4TH AVENUE WELL/BRICK TANK IMPROVEMENTS	5	5							
	01301		2016-0820 DYERS INN	4	4			550,000				
	01301		2017-2071 DYER'S INN WELL FLUSH LINE	4	4			100,000				
	01301		2016-0911 1300 E WELL CHLORINATION	3	4							400,000
	01301		2015-0408 1300 EAST WELL FLUSH LINE	2	2			95,000				
	01301	5132255	2015-0571 ARTESIAN WELL 2 REHAB	4	0							250,000
	01301	5132249	2015-0565 19TH AND 27TH SOUTH WELL - VFD	3	0							60,000
	01301	5132246	2015-0570 TREATMENT OF PCE AT WELLS	3	0							12,000,000
	01301	5132241	2015-0569 RED BUTTE	2	0							2,500,000
	01301	513223419	MT OLIVET IRRIGATION FEASIBILITY STUDY									
	01301		2018-1038 4TH AVENUE WELL INSPECTION	4	2							
	01301		2018-1091 VAN WINKLE PROPERTY FENCE	1	5				20,000			
						\$ 3,000,000	\$ 1,630,000	\$ 745,000	\$ 1,520,000	\$ 300,000	\$ 300,000	\$ 15,560,000
	<u>51-01301-</u>	<u>2730.06</u>	<u>STORAGE RESERVOIRS</u>									
			<u>MOUNTAIN DELL DAM</u>									
	01301		2017-1290 MOUNTAIN DELL RESERVOIR SEDIMENT SAMPLING AND BASIN PRE DESIGN	5	4							
	01301	5134458	2015-0155 REHABILITATION OF MOUNTAIN DELL DAM	5	4	1,700,000						
	01301	5124512	2015-0209 REPLACE VALVES ON MT. DELL DAM	4	4	750,000	320,000					
	01301	5124509	2015-0451 STAIRS MT DELL DAM	2	3			75,000				
	01301	512700015	2018-1106 MOUNTAIN DELL DAM SPILLWAY REHABILITATION	5	4			600,000	500,000			
	01301	512700023	MOUNTAIN DELL DAM REHABILITATION - REVEGATATION OF DISTURBED AREAS	4	5		250,000					
	01301	512700022	MOUNTAIN DELL DAM REHABILITATION - RESERVOIR WATER MANAGEMENT	5	4		100,000					
	01301		REHABILITATION OF MOUNTAIN DELL DAM -LOWER DAM WATERPROOFING	5	4		500,000					
	01301		REHABILITATION OF MOUNTAIN DELL DAM- CONCRETE REPAIRS AND MONITORING	5	4		250,000			750,000		
			<b>TOTAL MOUNTAIN DELL</b>			\$ 2,450,000	\$ 1,420,000	\$ 675,000	\$ 500,000	\$ 750,000	\$ -	\$ -
			<u>LITTLE DELL DAM</u>									
	01301	5134510	PARLEY'S DIVERSION STRUCTURE - IMPROVE BOOM DEPLOYMENT LOCATION	5	3							
	01301	512450071	2017-2094 NEW ACTUATORS FOR THE PARLEYS CREEK DIVERSION STRUCTURE	5	0							
	01301	5134468	2015-0607 LITTLE DELL RESTORE PARLEY'S DIVERSION EXTERIOR COATING	4	4			40,000				
	01301	5134478	2015-0164 LITTLE DELL DAM - INSTALL NEW DRAINS ON THE PORTAL	3	3			60,000				27,000
	01301		2016-1278 SECURITY CAMERAS AT LITTLE DELL	3	3				50,000			50,000
	01301	5134457	2015-0166 NEW STAFF GAGE AT LITTLE DELL DAM	3	3				175,000			153,000



**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
01301		2018-1107	LITTLE DELL DAM RODENT ERADICATION	4	4							30,000
01301		2020-1007/8	LITTLE DELL PENSTOCK AND DIVERSION WINTERIZATION	4	4			150,000				
01301		2018-1108	LITTLE DELL DAM STAFF GAUGE	3	0							175,000
01301			LITTLE DELL DAM - ADIT PIPE COATING REPAIRS	5	4		40,000	160,000				
01301			LITTLE DELL DAM - PORTAL WALL REPAIRS	5	4				100,000			
01301			LITTLE DELL MOWER	5	4							
01301			LITTLE DELL DAM - LIGHTING UPGRADE	5	4							
01301			LITTLE DELL DAM - INSTRUMENT HOUSE ACCESS IMPROVEMENT	5	4							
01301			LITTLE DELL DAM - INSTRUMENTATION TELEMETRY UPGRADE	5	3							
01301			LITTLE DELL DAM - BULKHEAD GATE EVALUATION AND REPAIR	5	5		20,000					
01301			LITTLE DELL DAM - NEW ENTRANCE SECURITY GATE	5	3			40,000				
			<b>TOTAL LITTLE DELL</b>			\$ -	\$ 60,000	\$ 450,000	\$ 325,000	\$ -	\$ -	\$ 435,000
			<b>PARLEYS CANYON</b>									
01301	5134476		CHEVRON OIL SPILL PROTECTION PROJECT									
01301		2015-0208	CONDUIT FROM DAM TO OLD ICB TO PLANT	2	2							20,000
01301	5134466	2015-0156	PARLEY'S CANYON HYDROPOWER PROJECT	1	0							1,100,000
01301	512700006		LITTLE DELL PENSTOCK: PHASE 2									
01301		2018-1034	SPILL PROTECTION PROJECT - I-80 AT LAMB'S CANYON	5	0							240,000
01301	512700011	2018-1103	PARLEYS CANYON CONDUIT AND FIBER INSTALLATION	4	0							100,000
01301	5134467	2015-0154	MOUNTAIN DELL RESERVOIR - BYPASS PIPE LITTLE DELL TO PARLEY'S	5	0							
			<b>TOTAL PARLEYS CANYON</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,460,000
			<b>RED PINE DAM</b>									
01301	5134455	2015-0167	RED PINE DAM REHABILITATION	5	4	20,000			100,000	1,000,000		
			<b>TOTAL RED PINE DAM</b>			\$ 20,000	\$ -	\$ -	\$ 100,000	\$ 1,000,000	\$ -	\$ -
			<b>CECRET DAM</b>									
01301	512700005	2016-1272	CECRET DAM REHABILITATION - DESIGN	4	3						2,000,000	2,000,000
		2018-1109	CECRET LAKE FLOW METER AND TELEMETRY	4	0					60,000		
			CECRET DAM REHABILITATION - OUTLET WORKS	4	4					50,000		
			<b>TOTAL CECRET DAM</b>			\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ 2,000,000	\$ 2,000,000
			<b>LAKE MARY DAM</b>									
01301	512700001	2017-2080	REHABILITATION OF THE LAKE MARY GAUGE	3	5							
01301	512700016	2018-1100	LAKE MARY DAM CREST REHABILITATION	5	5		90,000		100,000			
01301	512700013	2018-1102	TWIN LAKE AND LAKE MARY OUTLET CHANNEL IMPROVEMENTS	5	5		50,000			100,000		
01301		2018-1105	TWIN LAKES AND LAKE MARY LOG BOOMS	3	5		10,000					
			TWIN LAKES DAM - GATE REPAIRS					1,000,000	500,000			
			<b>TOTAL LAKE MARY DAM</b>			\$ -	\$ 150,000	\$ 1,000,000	\$ 600,000	\$ 100,000	\$ -	\$ -
			<b>TWIN LAKES DAM</b>									
01301	512700002	2017-2082	REPAIRS TO TWIN LAKES DAM GAUGE	3	4							
01301		2018-1101	TWIN LAKES DAM GAUGE RELOCATION	3	4				50,000	20,000		
01301	512700012	2018-1104	TWIN LAKES DAM DRAIN CLEANOUT INSTALLATION	4	5					40,000		
			TWIN LAKES DAM - GATE REPAIRS				20,000					
			<b>TOTAL TWIN LAKES</b>			\$ -	\$ 20,000	\$ -	\$ 50,000	\$ 60,000	\$ -	\$ -
			<b>RED BUTTE DAM</b>									
01301	512700003	2017-2079	REPAIRS AND IMPROVEMENTS TO RED BUTTTE DAM ROAD	3	4							20,000
			<b>TOTAL RED BUTTE DAM</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
			<b>TOTAL STORAGE RESERVOIRS</b>			\$ 2,470,000	\$ 1,650,000	\$ 2,125,000	\$ 1,575,000	\$ 2,020,000	\$ 2,000,000	\$ 3,915,000

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
							-	-	-			
51-01301-	2730.07		<b>DISTRIBUTION RESERVOIRS</b>									
01301	513444163	2017-2060	NEFF'S TANK OVERFLOW DRAIN	5	5							
01301	513444164	2017-2067	MARCUS RESERVOIR TANK UPGRADES	5	5							1,000,000
01301	513444161	2017-2074	EASTWOOD NORTH - INTERIOR COATING	5	5							
01301	513444162	2015-0527	FERGUSON TANK UPGRADE	5	5							
01301	513444166	2015-0573	AM - TANK AND RESERVOIR INSPECTIONS AND REPAIRS	5	5	100,000	100,000	100,000	100,000	100,000	100,000	100,000
01301	513444165	2015-0409	MOUNT OLYMPUS TANKS DRAIN/OVERFLOW STRUCTURE	5	4							
01301	5134507	2016-1171	FORT DOUGLAS IMPROVEMENTS/EXPANSION	5	4	5,250,000						
01301	513444159	2015-0174	MILITARY RESERVOIR REPAIR	5	3							11,020,000
01301		2015-0406	EMIGRATION TUNNEL POWER	4	4							45,000
01301	513444168	2017-2111	TANNER RESERVOIR ROOF REPLACEMENT/FULL REPLACEMENT	4	4		450,000	3,000,000				
01301	513444715	2015-0719	DISTRIBUTION TANK AND RESERVOIR PAVING	4	4			80,000	80,000	80,000		
01301		2016-0753	BASKIN OVERFLOW/DRAIN GOOSENECK BOX	4	4		100,000					
01301		2017-2061	TETON TANKS SLOPE STABILIZATION	4	3			50,000				
01301	513444174	2015-0525	PERRY HOLLOW TANK	2	5		400,000	570,000				
01301	5134471	2015-0459	TANK PAINTING AND CORROSION CONTROL	3	3		100,000	100,000	100,000	100,000		
01301		2016-0935	ENSIGN DOWNS OVERFLOW	3	3							150,000
01301		2015-0516	MOUNT OLYMPUS TANKS & PUMP STATION BLACKTOP	2	4							25,000
01301		2015-0499	RAINER TANK	2	2							280,000
01301		2016-0917	ENSIGN DOWNS LOWER RESERVOIR MODIFICATIONS	2	2							200,000
01301		2015-0520	NORTH BENCH TANK ROAD	1	3							45,000
01301		2015-0526	VICTORY ROAD	1	3							22,000
01301		2016-0754	CAPITOL HILLS TANKS - TRUCK ACCESS	3	0							200,000
01301	513444167	2017-2121	TELFORD RESERVOIR SAFETY IMPROVEMENTS	1	2							
01301		2015-0528	NEFFS CANYON TANK	1	3							55,000
01301		2015-0529	EMIGRATION TANK UPGRADES	1	2							60,000
01301		2015-0530	TETON TANK UPGRADES	1	2			50,000				35,000
01301		2015-0458	MISCELLANEOUS REPAIRS	3	2			50,000				
01301		2017-2010	COVE TANK STABILIZATION PROJECT	2	3			200,000				
01301		2017-2012	TELFORD FENCE	3	0					30,000		
01301		2017-2013	EAST BENCH TANKS DRAIN LINE GOOSENECK	1	3					25,000		
01301		2017-2059	VICTORY ROAD TANK OVERFLOW DRAIN	4	4							50,000
01301		2017-2064	CARRIGAN COVE TANK POWER	2	3				50,000			
01301		2017-2112	GRANITE OAKS/TELFORD RESERVOIR REPAIRS	3	3				50,000			
01301		2017-2118	GRANITE OAKS ACCESS ROAD	1	4				100,000			
01301		2018-1023	BASKIN RESERVOIR EFFLUENT PIPE	4	4		500,000					
01301	513444172	2018-1024	BASKIN ROOF REPLACEMENT	5	5	50,000						
01301	513444173	2018-1026	TANK AND RESERVOIR FALL PROTECTION SYSTEMS	5	0							
01301		2018-1031	MILITARY RESERVOIR - JOINT SEALANT REPAIR	5	4				20,000			
01301		2018-1032	MILITARY RESERVOIR - REPAIR INLET/OUTLET PIPE	5	4				50,000			
01301		2018-1033	MILITARY RESERVOIR CONDITION ASSESSMENT	5	4				20,000			
01301	513444179	2020-1094	MCINITIRE RESERVOIR ROOF DEFICIENCY STRUCTURAL ASSESSMENT	5	4		700,000		50,000			
01301		2018-1092	FENCE 300 EAST GORDON LANE	1	4							
01301			REBUILD MCINITIRE RESERVOIR	1	4							10,000,000
						\$ 5,400,000	\$ 2,350,000	\$ 4,200,000	\$ 620,000	\$ 335,000	\$ 100,000	\$ 23,287,000
									-			
51-01301-	2730.08		<b>DISTRIBUTION MAINS &amp; HYDRANTS</b>									
			<b>CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS</b>									
01301	513505425	2020-1066	2100 SOUTH - HIGHLAND TO YUMA				1,200,000					

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
01301	513505272	2016-1233	WATER MAIN REPLACEMENT - 900 SOUTH	5	5							
01301	513505273	2016-0744	1300 EAST - WATER LINE	3	4			200,000	2,000,000			
01301	513505312	2015-0431	CITY/COUNTY/STATE DRIVEN PROJECTS	5	5		250,000	250,000	250,000	250,000	250,000	
01301		2016-1264	NW QUADRANT (DEVELOPMENT) PIPE UPSIZE	5	5							1,400,000
01301	513600099	2017-2056	ENERGY EFFICIENCY/RENEWABLE ENERGY CAPITAL IMPROVEMENTS	5	5							1,500,000
01301			ROADWAY BOND WATERLINE PROJECT CONTINGENCY				250,000					
01301	513505308	2015-0398	UPPER CONDUIT METER REPLACEMENT	4	5							
01301	513600097	2017-2014	MOTORS AT WORK	4	4							
01301	513505230	2015-0245	EAST INDIANA AVENUE (850 SOUTH) - REDWOOD RD TO SURPLUS	3	5							
01301	513505332		CITY CREEK WATER MAIN VAULT REMOVAL									
01301			AWIA RISK ASSESSMENT EMERGENCY MANAGEMENT PLAN									
01301	514400106	2018-1081	STATE IPS RESOLUTIONS	4	4	20,000			150,000			
01301	513505334		STATE "BETTERMENT" PROJECT, WATER LINE CROSSING 5600 WEST AT 1100 SOUTH									
01301			STATE 1100 SOUTH, 5600 WEST TO LEGACY VIEW (ABOUT 5700 W)									
01301	513505398	2019-1179	1500 SOUTH - REDWOOD ROAD TO 2700 WEST			1,250,000						
01301			700 WEST - 1600 SOUTH TO 2100 SOUTH									
01301	513505396	2019-1093	LOCAL STREET DISTRICT 1 & 7									
01301			800 WEST - 600 SOUTH TO 800 SOUTH									350,000
01301			500 EAST - 1700 SOUTH TO 2100 SOUTH									
01301			2000 EAST - PARLEY'S TO CITY LIMIT									
01301			1900 EAST - WILMINGTON TO PARLEYS CANYON									
01301	513505412	2019-1096	900 SOUTH - 900 WEST TO 900 EAST			2,500,000						
01301	513505410	2019-1097	300 WEST - 900 SOUTH TO 2100 SOUTH			1,250,000	1,300,000					
01301	513505411	2020-1033	LOCAL STREETS DISTRICT 3 & 6			1,000,000						
01301	513505414	2020-1037	900 EAST - HOLLYWOOD TO 2700 SOUTH			500,000						
01301	513505415	2020-1038	100 SOUTH - NORTH CAMPUS DRIVE TO 900 EAST			750,000						
01301			1700 EAST - 1700 SOUTH TO 2700 SOUTH									
01301			LOCAL STREETS DISTRICTS 2 & 5									
01301			200 SOUTH - 400 WEST TO 900 EAST									
01301			1100 EAST HIGHLAND , RAMONA TO WARNOCK					1,000,000				
01301			LOCAL STREETS DISTRICT 4 & 7					200,000				
01301			1100 EAST - 900 SOUTH TO RAMONA				400,000	4,000,000				
01301			300 NORTH - 300 WEST TO 1000 WEST					1,500,000				
01301			W TEMPLE - NORTH TEMPLE TO 400 SOUTH						800,000			
01301			LOCAL STREETS 3 & 6						200,000			
01301			VIRGINIA STREET - SOUTH TEMPLE TO 11TH AVE						100,000			
01301			1300 EAST - 2100 SOUTH TO 3000 SOUTH						700,000			
01301	513505409	2018-1079	2100 SOUTH - 700 EAST TO 1700 EAST	3	4					1,800,000		
01301			LOCAL STREETS DISTRICT 1, 4 & 5							200,000		
01301			GLADIOLA STREET - 900 SOUTH TO CALIFORNIA									50,000
01301			300 WEST - 400 SOUTH TO 900 SOUTH									2,000,000
01301			WAKARA WAY - FOOTHILL DRIVE TO CHIPETA WAY									150,000
						\$ 7,270,000	\$ 3,400,000	\$ 7,150,000	\$ 4,200,000	\$ 2,250,000	\$ 250,000	\$ 5,450,000
			<b>WATER MAIN MISCELLANEOUS PROJECTS</b>									
			EMERGENCY REPAIRS			200,000	500,000	500,000	500,000	500,000	500,000	
01301	514500020	2015-0491	REGULATOR REPLACEMENT	5	5	200,000	200,000	200,000	200,000	200,000	300,000	
01301	513302118	2015-0493	NEW MAINLINE VALVES - COUNTY	5	5	135,000	135,000	135,000	135,000	135,000	138,000	
01301	513505311	2015-0489	NEW WATER LINES - CONTRIBUTIONS BY DEVELOPERS	5	5	500,000	50,000	50,000	50,000	50,000	50,000	
01301	513505310	2015-0490	FIRE HYDRANT REPLACEMENTS	5	5	400,000	250,000	250,000	250,000	250,000	400,000	
01301	513505309	2015-0492	NEW MAINLINE VALVES - CITY	5	5	250,000	250,000	250,000	250,000	250,000	262,000	
01301	513505304	2018-1002	UPPER CONUIT - LINE SYPHON	5	4							

### Five Year Projected Budget 2022-2026

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED	
01301	512800041	2019-1183	NEW PRV AT 3300 S HIGHLAND DR - E6-R51			200,000	1,008,000						
01301	513900131	2019-1047	MARCUS RESERVOIR METER AND SERVICE TAP TO JVVCD			40,000							
01301	514500019	2016-0961	4TH AND A PRV	4	5								
01301		2016-0958	10TH AND B PRV	3	4			210,000					
01301		2019-1190	BIG COTTONWOOD CONDUIT PIPE INSPECTION								300,000		
01301		2016-0751	RECONNECTION OF 1700 SOUTH AND FOOTHILL UTILITIES	2	4							20,000	
01301		2020-1031	UPPER CONDUIT REPAIR PROJECT						1,856,400	2,808,000	1,293,600		17,000,000
01301	513600098	2017-2072	SAMPLING TAPS	3	3								10,000
01301		2016-0923	SAM PARK INLET VAULT	3	3				35,000				
01301		2016-0959	10TH AND E PRV	3	3				210,000				
01301		2016-0960	8TH AND L PRV	3	3								210,000
01301		2016-0914	CONNECTIONS AT RR	4	0								440,000
01301	513600103		CORROSION CONTROL PROGRAM										
01301			CORROSION PROGRAM RETROFITTING						80,000	80,000	80,000	100,000	
01301			C12-R15 PRV REPLACEMENT	5	4			250,000					
01301	514506	R19-0114	1000 EAST 500 SOUTH PRV										
01301	513505206		STATE ST/NORTH TEMPLE RECONNECT MAIN	5	5			1,600,000	2,700,000				
01301		2020-1003	TRANSMISSION LINE VALVE REPLACEMENT ALONG 500 S	4	4				210,000				
						\$ 1,925,000	\$ 4,243,000	\$ 6,476,400	\$ 4,483,000	\$ 3,058,600	\$ 1,750,000	\$ 17,680,000	
							2,300,000		-				
01301	513505314		SMALL DIAMETER PIPE REPLACEMENT PROGRAM	5	5								
01301	513505373	R19-0120	FY 19/20 WATER MAIN REPLACEMENT			500,000							
01301			FY 20/21 WATER MAIN REPLACEMENT - covered in streets bond										
01301			FY 21/22 WATER MAIN REPLACEMENT - covered in streets bond	5	4								
01301			FY 22/23 WATER MAIN REPLACEMENT - covered in streets bond										
01301			FY 23/24 WATER MAIN REPLACEMENT							2,000,000			
01301			FY 24/25 WATER MAIN REPLACEMENT							4,000,000			
01301			FY 25/26 WATER MAIN REPLACEMENT								7,000,000		
01301			FY 26/27 WATER MAIN REPLACEMENT										
01301	513302134	2019-1170	VINE STREET WATER MAIN REPLACEMENT			1,100,000							
01301	513505203	2015-0247	600 WEST - 600 NORTH TO RAILROAD CROSSING	5	4								
01301	513505216		1000 NORTH - 1500 WEST TO REDWOOD ROAD	4	5								
01301	513302017	2015-0618	900 EAST AND 5600 SOUTH WATER MAIN REPLACEMENT	5	5				2,000,000				
01301	513302116	2016-0739	MILLCREEK WAY WATER MAIN REPLACEMENT	5	5								
01301	513505306	2017-2063	SCENIC DRIVE UPPER CONDUIT SLIPLINE PROJECT	5	5								
01301	513505208	2015-0240	J STREET - SUNRISE AVENUE TO NORTHCREST DRIVE	5	4								
01301		2016-0921	BACKFEED FOR UTAH STATE CAPITOL	5	4		60,000						
01301		2016-1234	SHED AT EMIGRATION WELL	5	4								
01301	513505151	2015-0543	700 SOUTH - 300 WEST TO 700 WEST	5	4								
01301	513505156	2015-0233	200 SOUTH - 600 WEST TO JEREMY STREET	4	5								
01301	513505193	2015-0235	BECK STREET - 1805 NORTH TO 1180 NORTH	4	5							1,247,000	
01301	513505207	2015-0252	3390 SOUTH - 700 EAST TO RIVIERA DRIVE	4	5								
01301	513504858	2015-0547	DULUTH AVE (1550 N) - 900 W TO DEXTER, 900 W - 1500 N TO DULUTH	4	5	750,000							
01301	513302138	2019-1109	OLYMPIC WAY & SOVEREIGN WAY	4	5		1,600,000						
01301	513505130	2015-0549	FOOTHILL DRIVE - EMERSON AVE TO KENSINGTON AVE	4	5								
01301	513302047	2015-0617	MILLSTREAM DRIVE (3580 S) - MARDONNA WAY TO EASTWOOD DRIVE	4	5	274,000							
01301	513505133	2015-0624	1700 SOUTH - 1000 EAST TO 1100 EAST	4	5			160,000					
01301		2016-1230	17TH AND FOOTHILL TELEMETRY AND POWER	4	5			200,000					
01301		2015-0255	REDWOOD ROAD - 500 SOUTH TO 1050 SOUTH	4	5								
01301	513505212	2015-0253	PLEASANT VALLEY LINE	4	5							653,000	
01301		2015-0254	CITY CREEK HIGHLINE	4	5							460,000	

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
01301		2015-0554	SOUTH TEMPLE 1000 W.(GADSBY LINE)	5	3							
01301	513505198	2015-0237	GREGSON AVENUE - 2465 EAST TO 2700 EAST	4	4							80,000
01301	513302089	2015-0238	2300 EAST - 6200 SOUTH TO 6400 SOUTH	4	4							268,000
01301	513505202	2015-0246	420 N MAIN STREET - 1" SERVICE REPLACEMENT - MAIN ST TO WALL ST	4	4							64,000
01301	513505125	2015-0260	WEST TEMPLE - 500 SOUTH TO 800 SOUTH (EAST SIDE)	4	4							469,000
01301	513505127	2015-0262	1000 WEST/1400 SOUTH WATER MAIN REPLACEMENT	4	4							560,000
01301		2017-2022	2880 SOUTH WATER MAIN REPLACEMENT	4	4							260,000
01301	513505197	2015-0236	800 SOUTH - 1200 EAST TO 1220 EAST	3	5							134,000
01301	513302039	2015-0613	OAK CREEK DRIVE - 8200 SOUTH TO END OF LINE	3	5							300,000
01301	513302045	2015-0616	MARDONNA WAY (3545 S) - SUNILAND DRIVE TO MILLSTREAM DRIVE	3	5	160,000						153,000
01301	513505128	2015-0620	WILTON WAY WATER MAIN REPLACEMENT	3	5							374,000
01301	513505129	2015-0621	1700 SOUTH - FOOTHILL TO WASATCH WATER MAIN REPLACEMENTS	3	5							257,000
01301	513505132	2015-0622	MILTON AVENUE (1595 SOUTH) - 1100 EAST TO 1200 EAST	3	5							179,000
01301		2017-2066	2700 E DEAD-END CONNECTION	3	5							20,000
01301		2016-0738	RELOCATE 12" CIP MAIN FROM UNDER HOUSE (EAST BENCH SUCTION LINE	5	2							255,000
01301	513302090	2015-0239	COBBLECREST RD - 6380 S TO 2300 E; HAUN AVE - 2300 E TO COBBLECREST	4	3							411,000
01301		2015-0232	NORTH TEMPLE - 1800 WEST TO REDWOOD ROAD	4	3							156,200
01301	513505155	2015-0241	WESTMINSTER AVENUE - LAURELHURST (2550 EAST) TO FOOTHILL BOULEVARD	4	3							90,000
01301	513302038	2015-0258	BISCAYNE DR (2975 E) - BENGAL BLVD TO OAKVIEW CIR	4	3							158,000
01301	513505122	2015-0550	DUPONT AVE (1335 N) - AMERICAN BEAUTY DR TO 990 W	4	3							115,000
01301		2016-1228	REPLACE PRV'S - R11 AND R12	4	3							400,000
01301	513505205	2015-0249	SCOTT AVENUE - 700 EAST TO SCOTT PARK LANE	3	4							105,000
01301		2015-0400	R37. MAYWOOD REGULATOR	3	4							150,000
01301	513505134	2015-0625	BRYAN AVENUE (1565 SOUTH) - 900 EAST TO 1000 EAST	3	4							172,000
01301		2016-0889	CR1 PRV	3	4							225,000
01301		2016-0890	CR2 PRV	3	4							225,000
01301		2016-0891	HYDRANT 3300 SOUTH 750 EAST E3-5H	3	4			40,000				
01301		2016-0901	PRV E3-R49 REPLACEMENT	3	4			220,000				
01301		2016-0910	HIGHLAND DRIVE REGULATORS	3	4							1,300,000
01301		2016-0912	R73 REPLACEMENT	3	4							200,000
01301		2016-0913	CUP REGULATORS	3	4							300,000
01301		2016-0918	2300 EAST - CLAYBOURNE TO 3300 SOUTH	3	4							200,000
01301		2016-0934	PRV AT 17TH	3	4							210,000
01301		2016-1169	J STREET PIPELINE AND PRV REPLACEMENT	3	4							300,000
01301		2016-1273	NEW WATER MAIN - 1000 EAST	3	4							300,000
01301		2017-2062	ROXBURY PRV C46-R66	3	4							150,000
01301		2017-2065	CAMILLE ST. DEAD-END CONNECTION	3	4							20,000
01301		2016-1283	SUICIDE ROCK RUNAROUND	2	5							25,000
01301	513302117	2017-2069	CAP STUB AT 6200 SOUTH HOLLADAY BOULEVARD	3	3							
01301	513505124	2015-0619	BUCCANEER DRIVE WATER MAIN REPLACEMENT	3	3							151,000
01301		2016-0748	WATER VALVE REPLACEMENT PROJECT #3	2	4							100,000
01301	513505199	2015-0242	700 EAST - DRIGGS AVE (2370 S) TO WARNOCK AVE (2470 S)	1	5							257,000
01301		2015-0256	900 EAST HILLVIEW (4060 SOUTH) - REPLACE DIP MAIN UNDER SEWER	1	5							36,000
01301		2016-0756	300 WEST - 700 S TO 800 S	1	5							175,000
01301		2016-0892	KEARNS LINE REPLACEMENT	3	3							8,000,000
01301		2016-0900	R48 VALVE	3	3			220,000				
01301		2016-0906	6-INCH ON 9TH	3	3							450,000
01301		2016-0915	SMITHS CONNECTION	3	3							70,000
01301		2016-0916	COUNTRY CLUB PRV	3	3							250,000
01301		2016-0933	MAYWOOD 6-INCH	3	3							220,000
01301		2016-0936	16-INCH VALVE VAULT	3	3							65,000
01301		2016-1222	PRV REPLACEMENT - A8-14	3	3							200,000
01301		2016-1231	NEW PRV - R73	3	3							200,000

**WATER UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
01301		2016-1232	NEW PRV - R74	3	3							200,000
01301		2016-1235	POWER AT EMIGRATION TUNNEL	3	3							100,000
01301		2015-0399	RESEARCH PARK UPGRADE	5	0							410,000
01301		2016-0919	INSERTA VALVES	5	0							50,000
01301		2017-1299	EDWARD DRIVE REGULATED IMPROVEMENTS	5	0							500,000
01301		2017-2068	INDIAN ROCK PRESSURE ZONE REDUNDANT FEED	5	0							250,000
01301		2017-2070	HIGHLAND DR WATER MAIN - 6200 S TO DIAMOND HILLS LN	3	2							250,000
01301	513302046	2015-0615	SUNILAND DRIVE (3550 E) - MILLSTREAM LANE TO END OF SUNILAND CIRCLE	3	2	150,000						149,000
01301		2015-0426	FORT UNION AND HIGHLAND AVE INTERSECTION	2	3							302,500
01301		2017-2011	900 EAST FROM VAN WINKLE TO 5600 SOUTH	2	3							100,000
01301	513505204	2015-0248	500 SOUTH - 2130 WEST TO ORANGE STREET	4	0							315,000
01301	513302021	2015-0250	6200 SOUTH - 2900 EAST TO 3000 EAST	4	0							350,000
01301	513302058	2015-0544	SHORT HILLS DR (3375 E) - 8220 SOUTH TO 8315 SOUTH	4	0							55,000
01301		2015-0397	SUICIDE ROCK VAULT	2	2							100,000
01301		2016-0925	2700 E CONNECTION	2	2							60,000
01301		2015-0480	1700 EAST FROM FT UNION BLVD (6935 S) TO 7080 SOUTH	1	3							360,000
01301	513302059	2015-0548	3900 SOUTH - 900 EAST TO 940 EAST	3	0							130,000
01301		2015-0586	PARLEY'S CANYON BLVD 1700 EAST TO 1800 EAST	3	0							181,000
01301	513505166	2015-0626	400 EAST - 1497 SOUTH TO 1530 SOUTH	3	0							37,000
01301	513505167	2015-0627	1400 EAST - GILMER AVENUE TO YALE AVENUE	3	0							32,000
01301		2016-0957	MORRIS PUMP STATION	3	0							600,000
01301		2016-1168	KEARNS VALVE	3	0							30,000
01301		2015-0413	700 NORTH 8" AC	2	1							115,000
01301		2015-0641	LITTLE COTTONWOOD CREEK CEMENT CAP 4"	1	2							35,000
01301		2015-0407	2200 WEST WATER MAIN EXTENSION	1	0							255,000
01301		2019-1182	SOUTH TEMPLE WATER MAIN - 1000 W TO JORDAN RIVER	5	5		916,000					
01301		2018-1096	CHEYENNE STREET WATER LINE REPLACEMENT	3	4			50,000				
01301		2016-0856	7000 SOUTH SAND TRAP AND SCREEN REMOVAL	5	5			50,000				
01301		2018-1041	UPPER BOUNDARY SPRINGS EFFLUENT LINE REPLACEMENT FROM SPRING	4	5							500,000
01301		2017-2018	DULUTH AVE AND 900 WEST WATER MAIN REPLACEMENT	3	5							
01301		2017-2110	DEVELOPER DRIVEN PROJECTS	4	4							
01301	513505409	2018-1079	2100 SOUTH, 700 EAST TO 1300 EAST, WATER LINE REPLACEMENT	3	4							
01301		2018-1089	EAST BENCH SUCTION LINE RELOCATION	4	2			96,400				
01301		2019-1132	EAST PLACE WATER MAIN REPLACEMENT					85,000				
01301		2019-1125	OLYMPUS DRIVE WATER MAIN REPLACEMENT					130,000				
01301		2019-1111	1400 SOUTH WATER LINE 900-1000 WEST					120,000				
01301	513505408	2020-1015	ST. MARY'S WAY WATER LINE REPLACEMENT			400,000						
01301	513302131	2019-1137	1100 EAST 3900 SOUTH WATER MAIN REPLACEMENT			300,000						
						\$ 3,634,000	\$ 4,876,000	\$ 1,371,400	\$ 4,000,000	\$ 4,000,000	\$ 7,000,000	\$ 26,585,700
			<b>MASTER PLAN PROJECTS</b>									
01301	513416337	2015-0629	MP3.16 - NORTH BENCH PUMP STATION	5	5			150,000	1,500,000			
01301	513505088	2015-0217	CITY CREEK TREATMENT LINE TO MORRIS RESERVOIR	5	4							5,500,000
01301	513302020	2015-0230	3RD EAST PHASE II - MARCUS TO ARTESIAN BASIN	4	4	6,000,000	5,500,000	3,500,000				
01301	51360062	2015-0632	MP2.3 - WASTEWATER REUSE	4	3							23,000,000
01301	513505116	2015-0633	MILLCREEK TREATMENT PLANT LINE - TANK TO WASATCH BLVD (24")	4	3							750,000
01301	513416327	2015-0218	MP 3.5B - 16" PIPELINE ON NEWPORT WAY/NANTUCKET DRIVE	4	2							394,000
01301	513302063	2015-0224	MP 3.5A - 12" PIPELINE ON HIGHLAND DR (6200 S HIGH ZONE)	3	3							317,000
01301		2015-0229	MP 3.17 - 8" LOOP AT 2200 WEST/2200 NORTH	5	0							948,000
01301	513505159	2015-0222	MP3.14 - AUXILIARY POWER - GOLDEN HILLS	5	0							45,000
01301	513505168		CAPITOL HILL TO ENSIGN DOWNS PIPELINE	4	0							5,000,000
01301	513302062	2015-0219	MP3.9 - NEW PUMP STATION - TETON TO MT. OLYMPUS/4500 SOUTH HIGH -	4	0							695,000

### Five Year Projected Budget 2022-2026

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-2025	2025-2026	DELAYED
01301	513302061	2015-0220	MP3.6B - 12" PIPELINE ON BRIGHTON WAY	4	0							200,000
01301	513505117	2015-0221	MP3.5C - 16" PIPELINE ON BENGAL BOULEVARD	4	0							1,134,000
01301	513505098	2015-0225	MP3.1A - EAST-WEST CONVEYANCE LINE - PARK RESERVOIR TO SUGARHO	4	0	4,500,000						55,000,000
01301		2015-0231	MP 3.8C - VICTORY ROAD - ENSIGN DOWNS PHASE II - IF	4	0							2,250,000
01301	5134493	2015-0634	MP3.1B - EAST WEST CONVEYANCE LINE - SUGARHOUSE PARK TO 900 WE	4	0				5,000,000	10,000,000	10,000,000	25,000,000
01301	5134464	2015-0227	MP3.7 - ADD THROTTLING CONTROL VALVE INTO WILSON RESERVOIR	3	0							150,000
01301		2015-0538	MP 3.12A - 7800 SOUTH PRESSURE ZONE - 4.3 MG RESERVOIR	2	0							3,000,000
01301	51360060	2015-0636	MP2.1 - DEVELOP ADDITIONAL GROUND WATER SOURCES	2	0							18,000,000
01301	513505169	2015-0630	MP2.2 - ADDITIONAL SURFACE WATER DEVELOPMENT	2	0							12,000,000
01301	51360061	2015-0635	MP3.1C - EAST WEST CONVEYANCE LINE - 900 WEST TO 3400 WEST (PHASE	1	0							75,000,000
01301		2015-0631	MILLCREEK WATER TREATMENT FACILITY	1	0							80,000,000
01301			UPDATE WATER MASTER PLAN									400,000
01301			IMPACT FEE PLAN STUDY AND UPDATE									
01301			FEASIBILITY ASSESSMENT FOR SLCDPU CAMPUS									
						\$ 10,500,000	\$ 5,500,000	\$ 3,650,000	\$ 6,500,000	\$ 10,000,000	\$ 10,000,000	\$ 308,783,000
									-	-		
			TOTAL DISTRIBUTION MAINS & HYDRANTS			\$ 23,329,000	\$ 18,019,000	\$ 18,647,800	\$ 19,183,000	\$ 19,308,600	\$ 19,000,000	\$ 358,498,700
										-		
	2730.09		WATER SERVICE CONNECTIONS									
01701	513900126	2015-0494	SERVICE LINE REPAIR/REPLACEMENTS	5	5	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,800,000	
03301	513900125	2015-0495	NEW SERVICE CONNECTIONS	5	5	450,000	400,000	400,000	400,000	400,000	400,000	
03301			NEW SERVICE CONNECTIONS-DEVELOPERS	5	5		450,000	450,000	450,000	450,000	450,000	
02201	513900124	2015-0496	LARGE METER REPLACEMENTS	5	5	300,000	400,000	400,000	400,000	400,000	400,000	
02601	513900123	2015-0498	METER REPLACEMENT PROGRAM	5	5	200,000	200,000	200,000	200,000	200,000	200,000	
02601	513900122	2017-2126	AMI METER REPLACEMENT PROGRAM	1	0	2,700,000	2,500,000	2,700,000	2,700,000	2,700,000	3,100,000	
1701			REVISED LEAD AND COPPER RULE COMPLIANCE						500,000	500,000	500,000	
01701	513900132	2020-1034	REPLACE METER VAULT AND 4" METER W/BY-PASS			58,000						
						\$ 5,208,000	\$ 5,450,000	\$ 5,650,000	\$ 6,150,000	\$ 6,150,000	\$ 6,850,000	\$ -
										-		
	2730.20		LANDSCAPING									
			WATERSHED									
00601	5122672	2017-1295	RECREATION AREA PICNIC TABLE REPLACEMENT	5	5							
00601	5122673	2015-0670	ACCESSIBILITY UPGRADES TO WATERSHED RECREATION FACILITIES	5	0			200,000				
00601	512627466	2017-2032	SILVER LAKE RESTROOM DEMOLISH AND REPLACE	5	5							
00601	512627463	2017-1296	BIG COTTONWOOD CANYON PARK & RIDE RESTROOM REBUILD	5	5							500,000
00601	512300064	R19-0115	CITY CREEK ROADWAY ASPHALT	5	5							100,000
03201	51360014	2015-0519	WEST TEMPLE CAMPUS - CONSERVATION IMPROVEMENTS	2	4							100,000
00601		2018-1028	CITY CREEK CANYON ROAD RECONSTRUCTION	5	5							3,000,000
03201	514700005	2018-1110	SITE 30 PAVILION STRUCTURAL REVIEW	2	4							
00601			CITY CREEK WATER SYSTEM TO SITES 23 THROUGH 30									500,000
03601			900 SOUTH LANDSCAPING PROJECT - Cost share Stormwater			68,000	68,000					
						\$ 68,000	\$ 68,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 4,200,000
						-	-	-	-			-
			TOTAL CAPITAL IMPROVEMENTS			\$ 47,980,000	\$ 39,600,000	\$ 68,462,800	\$ 88,923,500	\$ 77,588,600	\$ 73,147,000	\$ 755,920,700
							-39,600,000	-68,462,800	-88,923,500	-77,588,600	-73,147,000	-755,920,700

## WATER UTILITY CAPITAL PURCHASES

### Projected Budget 2021-22

<u>Cost Center</u>	<u>Object Code</u>	<u>Asset Description</u>	<u>Budget Year 2021-22</u>
	<b><u>275010</u></b>	<b><u>AUTOMOBILES &amp; TRUCKS</u></b>	<b><u>Amount</u></b>
5100201		1/4 ton 4X4 pickup with shell	33,000.00
5100601		1/4 ton truck, 4WD, extended cab, towing package, cap for bed, lightbar, electric window/locks, hitch, VHF radio and squawk box	34,000.00
5101001		4x4 Colorado truck - Lead & Copper - New	35,000.00
5101301		Chevy or similar mid size 4 X 4 with bed cover and lights	35,000.00
5101401		Chevy 5500 flt bed vac combo replace valve machine/vac. machine	130,000.00
5101601		1/4 ton 4x4 with back cover	34,000.00
5101701		1/4 ton pickup 4X4/Chevy Colorado	32,000.00
5101701		114SD Dump Truck	148,000.00
5101701		106HD with V&H bed	158,000.00
5101701		106HD with V&H bed	158,000.00
5102301		1/4 ton pickup/Chevy Colorado	32,000.00
5102301		8-10 passenger van	38,000.00
5102401		1 ton pickup - walk in bed	46,000.00
5102501		1 ton - utility bed	41,500.00
5102601		1/4 ton 4X4 pickup Extended cab, light bar, cover	34,000.00
5102601		1/4 ton 4X4 pickup Extended cab, light bar, cover	34,000.00
5102801		1/4 ton 4X4 pickup Extended cab, light bar, cover	34,000.00
5103001		Ford Escape	25,400.00
			<b>\$ 1,081,900.00</b>
	<b><u>276030</u></b>	<b><u>TELEMETERING EQUIPMENT</u></b>	<b><u>Amount</u></b>
5100201		Hydrology Measurement System Replacement/Rebuild	150,000.00
5101501		Miscellaneous Water Telemetry Equipment	50,000.00
	<b><u>275030</u></b>	<b><u>FIELD MAINTENACE EQUIPMENT</u></b>	
5100101		CAT Backhoe replacement program	9,000.00
5100101		Trailmax Trailer for each machine	38,000.00
5100801		Boat for reservoir monitoring for algae, chemical application, etc. - New	50,000.00
5100801		Kubota Utility Vehicle	32,000.00
5100901		Kubota Utility Vehicle	32,000.00



5101201		Green Climber LV 1400 Mower for Little Dell Dam Face	150,000.00
5101401		Skagg SVR11-36A-19FX - replacement for Dixie Chopper	9,550.00
5101401		EH Wach's Standard LX Diesel -Skid mount self contained valve O&M unit	95,925.00
5101701		Case Backhoe	91,000.00
5101701		Case 621 Loader	168,000.00
5101701		CAT Backhoe	9,000.00
5101701		CAT Backhoe replacement program - 8 units Backhoe	72,000.00
5101701		CAT Hammer Hoe	9,000.00
	<b><u>276090</u></b>	<b><u>OTHER NON-MOTIVE EQUIPMENT</u></b>	
5101600		Servers (SLCIUAPP2, SLCIPUDB2, SLCIWATER, SLCISP2)	40,000.00
5101601		Lidar enabled drone components	10,000.00
5101601		Vac for Leak locator truck	12,000.00
5102601		Replacement handheld units - techonology no longer supported	81,860.00
	<b><u>276050</u></b>	<b><u>OFFICE FURNITURE AND EQUIPMENT</u></b>	
5101601		Replacement of Large Scale Ricoh Scanner/Copier	20,000.00
5101601		Replacement of Sharp Copier/Scanner/Printer in Dispatch	6,600.00
5103201		Replacement - phone system continuation of project	75,000.00
	<b><u>276020</u></b>	<b><u>TREATMENT PLANT EQUIPMENT</u></b>	
5100701		Emergency equipment replacement (i.e. pumps, etc)	60,000.00
5100801		Plant equipment, emergency (ie: pumps, etc)	60,000.00
5100901		Emergency plant equipment (i.e. pumps)	60,000.00
	<b><u>271030</u></b>	<b><u>WATER RIGHTS &amp; SUPPLY</u></b>	
5103301		Water rights and companies	250,000.00
5103301		Water stock	250,000.00
	<b><u>271010</u></b>	<b><u>LAND</u></b>	
5103301		Non-project and canals	150,000.00
5103301		Watershed Land	1,500,000.00
			\$ 3,540,935.00
		<b>Total</b>	<b>\$ 4,622,835.00</b>

**Sewer Utility- Budget Summary and Cash Flow**

**SEWER UTILITY BUDGET SUMMARY  
FY 2022-24**

				Rate Increase 18%	Rate Increase 18%	Rate Increase 15%
<b>SOURCES</b>	<b>ACTUAL 2019-20</b>	<b>AMENDED BUDGET 2020-21</b>	<b>PROJECTED ACTUAL 2020-21</b>	<b>PROPOSED BUDGET 2021-22</b>	<b>FORECAST BUDGET 2022-23</b>	<b>FORECAST BUDGET 2023-24</b>
<b><u>REVENUE &amp; OTHER SOURCES</u></b>						
<b><u>REVENUES</u></b>						
METERED SALES	\$ 43,864,526	\$ 50,215,000	\$ 50,215,000	\$ 58,034,937	66,740,000	\$ 73,414,000
INTEREST INCOME	1,035,061	992,301	992,301	171,000	232,000	444,000
OTHER REVENUES	343,367	519,942	519,942	406,000	406,000	406,000
TOTAL REVENUES	\$ 45,242,954	\$ 51,727,243	\$ 51,727,243	\$ 58,611,937	67,378,000	\$ 74,264,000
<b><u>OTHER SOURCES</u></b>						
IMPACT FEES	\$ 1,700,183	\$ 1,422,000	\$ 1,783,558	\$ 1,422,000	1,422,000	\$ 1,422,000
GRANTS & OTHER RELATED REVENUES	5,379,388	1,684,000	1,684,000	1,100,823	1,100,823	1,100,823
SALE OF EQUIPMENT	168,224	16,000	16,000	16,000	16,000	16,000
WIFIA LOAN	-	93,210,000	93,210,000	93,890,000	70,465,000	64,017,000
NON BOND FINANCING	-	-	-	-	0	-
BOND PROCEEDS	-	51,285,000	106,285,000	123,687,000	88,491,000	46,257,000
TOTAL OTHER SOURCES	\$ 7,247,795	\$ 147,617,000	\$ 202,978,558	\$ 220,115,823	161,494,823	\$ 112,812,823
<b>TOTAL REVENUE &amp; OTHER SOURCES</b>	<b>\$ 52,490,749</b>	<b>\$ 199,344,243</b>	<b>\$ 254,705,801</b>	<b>\$ 278,727,760</b>	<b>228,872,823</b>	<b>\$ 187,076,823</b>
<b><u>EXPENSES &amp; OTHER USES</u></b>						
<b><u>EXPENDITURES</u></b>						
PERSONNEL SERVICES	\$ 9,619,797	\$ 12,698,997	\$ 12,698,997	\$ 12,799,959	13,311,956	\$ 13,844,435
OPERATING & MAINTENANCE	947,769	2,579,981	2,579,981	2,656,055	2,709,175	2,763,357
TRAVEL & TRAINING	28,820	106,912	106,912	90,590	92,402	94,250
UTILITIES	484,153	1,001,180	1,001,180	1,039,090	1,059,871	1,081,067
TECHNICAL SERVICES	739,106	2,560,929	2,560,929	2,710,769	2,764,985	2,820,285
IMS SERVICES	611,351	640,000	640,000	1,040,533	1,061,344	1,082,571
FLEET MAINTENANCE	415,754	543,550	543,550	541,000	551,820	562,856
ADMINISTRATIVE SERVICE FEE	457,350	480,000	480,000	494,400	504,288	514,374
PAYMENT IN LIEU OF TAXES	661,263	809,149	809,149	851,386	868,414	885,782
BILLING COST	827,634	827,634	827,634	949,872	968,869	988,246
RISK MANAGEMENT	53,434	375,450	375,450	374,450	381,939	389,577
TRANSFERS TO GENERAL FUND	-	-	-	-	-	-
NEW PLANT O&M COSTS	-	-	-	-	250,000	252,500
OTHER CHARGES AND SERVICES	286,086	567,794	567,794	726,516	741,045	755,865
TOTAL EXPENDITURES	\$ 15,132,517	\$ 23,191,576	\$ 23,191,576	\$ 24,274,620	25,266,108	\$ 26,035,165
<b><u>OTHER USES</u></b>						
CAPITAL OUTLAY	\$ 1,681,191	\$ 1,194,480	\$ 1,194,480	\$ 1,327,000	698,979	\$ 712,959
CAPITAL IMPROVEMENT BUDGET	63,108,908	231,676,372	231,676,372	226,135,826	166,619,252	157,103,748
COST OF DEBT ISSUANCE	-	285,000	285,000	687,000	491,000	257,000
DEBT SERVICES	12,447,926	12,422,469	14,220,770	15,789,350	16,441,610	16,498,244
TOTAL OTHER USES	\$ 77,238,025	\$ 245,578,321	\$ 247,376,622	\$ 243,939,176	184,250,841	\$ 174,571,951
<b>TOTAL EXPENSE &amp; OTHER USES</b>	<b>\$ 92,370,542</b>	<b>\$ 268,769,897</b>	<b>\$ 270,568,198</b>	<b>\$ 268,213,796</b>	<b>209,516,949</b>	<b>\$ 200,607,116</b>
<b><u>EXCESS REVENUE AND OTHER</u></b>						
SOURCES OVER (UNDER) USES	\$ (39,879,793)	\$ (69,425,654)	\$ (15,862,397)	\$ 10,513,964	19,355,874	\$ (13,530,293)
<b><u>OPERATING CASH BALANCES</u></b>						
BEGINNING JULY 1	\$ 63,159,779	\$ 30,581,040	\$ 30,581,040	\$ 14,718,643	25,232,607	\$ 44,588,481
RESTRICTED / DESIGNATED	\$ 7,301,054	\$ -	\$ -	\$ -	0	\$ -
AVAILABLE JUNE 30	\$ 30,581,040	\$ (38,844,614)	\$ 14,718,643	\$ 25,232,607	44,588,481	\$ 31,058,188
Cash Reserve Ratio	202%	-167%	63%	104%	176%	119%
<b>Cash reserve goal above 14%</b>						

**SEWER UTILITY CASH FLOW**  
**2022 BUDGET / FY 2023-2026 FORECAST**

	ACTUAL YEAR 2019-2020	PROJECTED YEAR 2020-2021	BUDGET YEAR 2021-2022	BUDGET YEAR 2022-2023	BUDGET YEAR 2023-24	BUDGET YEAR 2024-25	BUDGET YEAR 2025-26
<b>REVENUE</b>							
SEWER SALES	\$ 43,864,526	\$ 50,215,000	\$ 58,034,937	66,740,000	73,414,000	\$ 80,755,000	\$ 88,831,000
OTHER INCOME	343,367	519,942	406,000	406,000	406,000	406,000	406,000
INTEREST INCOME	1,035,061	992,301	171,000	232,000	444,000	324,000	175,000
OPERATING INCOME	\$ 45,242,954	\$ 51,727,243	\$ 58,611,937	67,378,000	74,264,000	\$ 81,485,000	\$ 89,412,000
<b>OPERATING EXPENSES</b>							
NEW PLANT O&M COSTS	\$ -		\$ -	(250,000)	(252,500)	\$ (255,025)	\$ (257,575)
OPERATING EXPENSES	(15,132,517)	(23,191,576)	(24,274,620)	(25,016,108)	(25,782,665)	(26,575,209)	(27,394,678)
TOTAL OPERATING EXPENSE	\$ (15,132,517)	\$ (23,191,576)	\$ (24,274,620)	(25,266,108)	(26,035,165)	\$ (26,830,234)	\$ (27,652,253)
<b>NET INCOME EXCLUDING DEP.</b>	\$ 30,110,437	\$ 28,535,667	\$ 34,337,317	42,111,892	48,228,835	\$ 54,654,766	\$ 61,759,747
<b>OTHER INCOME &amp; EXPENSE</b>							
IMPACT FEES	\$ 1,700,183	\$ 1,783,558	\$ 1,422,000	1,422,000	1,422,000	\$ 1,422,000	\$ 1,422,000
WIFIA LOAN	-	93,210,000	93,890,000	70,465,000	64,017,000	24,356,000	2,697,000
NET BOND PROCEEDS	-	106,000,000	123,000,000	88,000,000	46,000,000	-	-
ISSUE COSTS (PROCEEDS)	-	285,000	687,000	491,000	257,000	-	-
ISSUE COSTS (EXP)	-	(285,000)	(687,000)	(491,000)	(257,000)	-	-
OTHER CONTRIBUTIONS	5,379,388	1,684,000	1,100,823	1,100,823	1,100,823	1,100,823	1,684,000
SALE OF EQUIPMENT	168,224	16,000	16,000	16,000	16,000	16,000	16,000
CAPITAL OUTLAY	(1,681,191)	(1,194,480)	(1,327,000)	(698,979)	(712,959)	(727,218)	(741,762)
STATE LOAN DEBT REPAYMENT	(6,375,000)	(2,125,000)	-	-	-	-	-
NEW DEBT SERVICE	-	-	(3,247,000)	(3,897,000)	(3,897,000)	(6,871,000)	(8,999,000)
DEBT SERVICE	(6,072,926)	(12,095,770)	(12,542,350)	(12,544,610)	(12,601,244)	(12,682,082)	(12,679,577)
<b>OTHER INCOME &amp; EXPENSE</b>	\$ (6,881,322)	\$ 187,278,308	\$ 202,312,473	143,863,234	95,344,620	\$ 6,614,523	\$ (16,601,339)
<b>CAPITAL GENERATION</b>							
GENERATED FOR CAPITAL	\$ 23,229,115	\$ 215,813,975	\$ 236,649,790	185,975,126	143,573,455	\$ 61,269,289	\$ 45,158,408
<b>CAPITAL IMPROVEMENTS</b>							
CAPITAL IMPROVEMENTS	\$ (63,108,908)	\$ (231,676,372)	\$ (226,135,826)	(166,619,252)	(157,103,748)	\$ (77,847,603)	\$ (26,455,000)
<b>BEGINNING CASH BALANCE</b>	\$ 63,159,779	\$ 30,581,040	\$ 14,718,643	25,232,607	44,588,481	\$ 31,058,188	\$ 14,479,874
<b>CASH INCREASE/(DECREASE)</b>	\$ (39,879,793)	\$ (15,862,397)	\$ 10,513,964	19,355,874	(13,530,293)	\$ (16,578,314)	\$ 18,703,408
<b>RESTRICTED/DESIGNATED</b>	\$ 7,301,054	\$ -	\$ -	-	-	\$ -	\$ -
<b>ENDING BALANCE</b>	\$ 30,581,040	\$ 14,718,643	\$ 25,232,607	44,588,481	31,058,188	\$ 14,479,874	\$ 33,183,282
<b>Debt Service Coverage</b>	<b>2.42</b>	<b>2.01</b>	<b>2.17</b>	<b>2.56</b>	<b>2.92</b>	<b>2.80</b>	<b>2.85</b>
<b>RATE CHANGE</b>	<b>18%</b>	<b>18%</b>	<b>18%</b>	<b>15%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>
<b>Cash Reserve Ratio</b>	<b>154%</b>	<b>63%</b>	<b>104%</b>	<b>176%</b>	<b>119%</b>	<b>54%</b>	<b>120%</b>
<b>DEBT SERVICE % OF GROSS OPERATING REVENUE</b>	<b>13%</b>	<b>23%</b>	<b>27%</b>	<b>24%</b>	<b>22%</b>	<b>24%</b>	<b>24%</b>
<b>MONTHLY RESIDENTIAL UTILITY BILL AT 4 CCF</b>	<b>14.68</b>	<b>17.36</b>	<b>20.52</b>	<b>23.60</b>	<b>25.96</b>	<b>28.56</b>	<b>31.42</b>
<b>MONTHLY RESIDENTIAL UTILITY BILL AT 8 CCF</b>	<b>29.36</b>	<b>34.72</b>	<b>41.04</b>	<b>47.20</b>	<b>51.92</b>	<b>57.11</b>	<b>62.82</b>

**SEWER UTILITY BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	PAST BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DELAYED
	2720.10		<b>MAINTENANCE &amp; REPAIR SHOPS - 2720.10</b>										
		2019-1041	LIFT STATION STORAGE FACILITY	5	0			200,000	600,000				
			NEW SLCDFU CAMPUS	5	5					8,000,000			8,000,000
						0	0	200,000	600,000	8,000,000	0	0	8,000,000
	2720.05		<b>LIFT STATIONS - 2720.05</b>										
			<b>LIFT STATION ASSET MANAGEMENT PROGRAM</b>										
10101		2019-1046	ANNUAL SYSTEM WIDE LIFT STATION SCOPING & ASSET MANAGEMENT PRIORITIZATION	2	1								500,000
			<b>LIFT STATION RENEWAL/REPLACEMENT PROGRAM</b>										
10101		2020-1149	ANNUAL PUMP REPLACEMENT (VARIOUS)	5	5	25,000	25,000	25,000	25,000	25,000	25,000	25,000	
10101	524907101	2017-1301	5300 WEST LIFT STATION (SS17) CAPACITY IMPROVEMENTS	4	5	2,500,000	2,500,000						
10101		2015-0264	SOUTH LIFT STATION (SS05)	3	3								460,000
10101	524907104	2015-0417	INDUSTRIAL LIFT STATION REHAB & PIPING UPGRADES (SS21)	4	5	1,500,000	60,000						
10101	524907098	2015-0267	NEW ROSE PARK LIFT STATION REPLACEMENT (SS02)	4	5	360,000	40,000						
10101	524907105	2015-0268	500 W LIFT STATION WET WELL IMPROVEMENTS (SS28)	4	5	350,000							
10101		2015-0418	CENTENNIAL LIFT STATION WET WELL REHABILITATION (SS 19)	2	3								770,000
10101		2015-0271	CANNON LIFT STATION WET WELL IMPROVEMENTS	2	3								450,000
10101		2015-0270	WESTPOINTE LIFT STATION WET WELL IMPROVEMENTS (SS 33)	2	2								550,000
10101	524907100	2015-0272	900 NORTH LIFT STATION WET WELL IMPROVEMENTS	4	5		60,000						
10101	524907093	2017-2075	John Cannon Lift Station	4	0	2,000,000							
10101		2017-2008	Billy Mitchell (SS16) Capacity Upgrades	3	5			250,000	2,000,000				
10101	524907107	2020-1036	1700 NORTH LIFT STATION ELECTRICAL IMPROVEMENTS	4	5	300,000							
10101		2020-1063	Amelia Earhart LS Rehab	3	2								550,000
10101		2020-1062	Concord LS Improvements	3	2								700,000
10101		2020-1060	California Place LS Improvements	3	3								300,000
10101		2020-1064	Morton Lift Station Rehabilitation	3	3								500,000
10101		2020-1061	West LS Improvements	3	2								300,000
10101		2020-1070	North LS (SS04) Rehabilitation	3	3								350,000
10101		2020-1078	800 N LS Rehab	3	3								350,000
10101		2020-1079	Nin Tech LS Rehabilitation										350,000
						7,035,000	2,685,000	275,000	2,025,000	25,000	25,000	25,000	6,130,000
	2720.30		<b>TREATMENT PLANTS</b>										
11201	524905347	2015-0640	FACILITY BUILDING PAINTING (CORROSION PROTECTION PROGRAM)	5	5	100,000	100,000	100,000	100,000	100,000	100,000		
11201	524905338	2017-2093	INFLUENT SCREEN (S) REPLACE/RETROFIT	5	5	50,000							
11201	524905336		EXISTING FACILITIES CONDITION ASSESSMENT/PRE-DESIGN		5								
11201	525400075		SOUTH RAS SKIMMER RELOCATION		4								
11201	525400066		WETLANDS RESTORATION PROJECT		4								
11201	524905342		PROCESS CONTROL LAB ROOM		4								
11201		2016-1275	WASHER COMPACTOR FOR PRIMARY SLUDGE	4	0								
11201	525400074	2017-2088	SCADA INSTRUMENTATION CONTROL IMPROVEMENTS	5	5								
11201	524905330	2015-0707	CHLORINE BUILDING ALARM SYSTEM		5								
11201	524905283	R19-0167	SCADA PHASE III FOLLOW-UP SERVICES	5	5	490,000							
11201	524905280	2015-0710	REPLACEMENT OF MCC2A AT THE PRE-SEDIMENTATION BUILDING - CONSTRUCTION		5								
11201	525400053	2015-0708	ATMOSPHERIC MONITORING REPLACEMENT PROGRAM	5	5								
11201	525400064		VFD REPLACEMENT		5								
11201	525400052	2015-0500	TRICKLING FILTER REHABILITATION	5	5								
11201	525400067		TRICKLING FILTER PUMPS INSPECTION & RECONDITIONING										
11201	524905345	2015-0502	CAPITAL ASSET REHABILITATION AND UPGRADES	5	5	2,000,000	1,300,000	1,300,000	1,300,000	1,300,000			1,300,000
11201		2016-1133	REHAB OF VERTICAL TURBINE PUMPS	4	4			200,000					200,000
11201	524905344	2017-2089	HVAC REPLACEMENTS	3	3	25,000	25,000	25,000	25,000	25,000			25,000
11201	524905341		HVAC IMPROVEMENTS AT PRE-SEDIMENTATION										
11201		2016-1281	COGEN ENGINE OVERHAUL						700,000				
11201	524905352	2018-1052	SLC WRF HEADWORKS GATE REPLACEMENT	5	5								
11201	524905355	2016-1160	UPGRADE EMERGENCY GENERATORS AT PUMP STATION	4	5	50,000							
11201	524905365	2018-1072	SLC WRF INFLUENT PUMP MOTOR REBUILD	5	4	134,000							
11201	524905366	2018-1071	SLC WRF INFLUENT PUMP REBUILD	5	4	625,000							
11201	524905367	2018-1068	SLC WRF BIO GAS HEAT EXCHANGER	4	4								
11201	524905363	2018-1066	SLC WRF PUMP PLANT EXTERIOR LIGHTING	4	5								
11201	524905359	R19-0040	NEW WRF COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM			130,000							
11201	524905370	2019-1143	SLCWRF MAIN PLANT PLC UPGRADES			50,000							

**SEWER UTILITY BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	PAST BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DELAYED
11201	524905358	R18-0065	INTEGRATION FOR VFD REPLACEMENTS										
11201	524905356	R18-0066	SLC WRF WORK ORDER SYSTEM			80,000							
11201	524905360	R19-0046	TEMPORARY DEWATERING			300,000	300,000						
						4,034,000	1,725,000	1,625,000	1,425,000	2,125,000	100,000	0	1,525,000
			<b>NEW WATER RECLAMATION FACILITY</b>										
11201	524905339	2017-2051	New WRF - CM/GC Services (CM/GC Preconstruction Services)			1,296,543							
11201	525400068	2017-2050	New WRF - Professional Design Services (Design Services - AECOM)			9,599,769	8,250,904	4,704,793	4,619,487	2,694,700			
11201	524905271		Program Management (Jacobs)			2,500,000	2,500,000	2,000,000	2,000,000	1,166,667			
11201	524905337	2017-2052	New WRF - Water Renew Public Outreach (Public Engagement -WF&Co)			180,000	144,000	144,000	144,000	95,000			
11201	524905362	2019-1054	New WRF - Visual Documentation Services for Construction (Project Documentation - MultiVista)			78,000	96,000	96,000	78,000	19,100			
11201	524905368	2019-1131	Salt Lake City Water Reclamation Facility LEED Leed Commissioning Agent (Leed Commissioning -ETC)			11,000	22,000	62,667	45,333				
11201	524905359	R19-0040	New WRF- Computerized Maintenance Management System (CMMS -NexGen)			70,453							
11201	524905271	2017-2054	New WRF - Piloting and Demonstration Testing (BNR Demonstration Facility)			2,363,636	1,636,364						
11201	524905271		Permitting			4,375,000	3,750,000						
11201	524905271		Easements			200,000	1,200,000						
11201	524905271	2015-0505	New WRF - Core - Design Build Reclamation Facility (Construction - Based off BODR)			107,992,865	164,943,912	127,729,145	116,904,281	42,263,312			
11201	524905271		Contingency			6,777,647	6,777,647	6,777,647	6,777,647	3,388,824			
			<b>TOTAL NEW WATER RECLAMATION FACILITY</b>			<b>135,444,913</b>	<b>189,320,826</b>	<b>141,514,252</b>	<b>130,568,748</b>	<b>49,627,603</b>			
			<b>TOTAL WATER RECLAMATION FACILITY</b>			<b>139,478,913</b>	<b>191,045,826</b>	<b>143,139,252</b>	<b>131,993,748</b>	<b>51,752,603</b>	<b>100,000</b>	<b>0</b>	<b>1,525,000</b>
	2730.14		<b>COLLECTION LINES</b>										
			<b>COLLECTION SYSTEM ASSET MANAGEMENT PROGRAM</b>										
10401		2020-1154	1200 WEST TRUNK LINE CONDITION ASSESSMENT/ PROJECT PRE-DESIGN	5	2							600,000	600,000
10401		2015-0664	SIPHON INSPECTION PROJECT	3	3						200,000		200,000
10401		2015-0645	COLLECTION SYSTEM PROJECT DEVELOPMENT CAP SCOPING	2	2	150,000							300,000
10401		2020-1155	BECK STREET TRUNK LINE CONDITION ASSESSMENT/PRE-DESIGN	5	2							600,000	
10401		2020-1156	ORANGE STREET TRUNK LINE CONDITION ASSESSMENT/PROJECT PRE-DESIGN	4	4				430,000				
10401		2019-1115	Wastewater Masterplan	5	4					1,200,000			
							150,000	0	0	0	430,000	200,000	1,200,000
			<b>FLOW MONITORING/I&amp;I PROGRAM</b>										
10401		2015-0652	EAST SIDE INFLOW AND INFILTRATION STUDY	3	5							300,000	
10401		2015-0651	ANNUAL HYDRAULIC MODEL CALIBRATION	4	2						150,000		150,000
10401		2017-2078	VARIOUS BASIN INFLOW TESTING	4	4							250,000	
10401		2018-1029	BASIN 11 I&I	3	4							250,000	
							0	0	0	0	150,000	800,000	150,000
			<b>CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS</b>										
10401		2015-0484	ANNUAL MISC. PUBLIC SERVICES PROJECTS	5	5	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
10401	525002988	R20-0213	500 SOUTH FM DISCHARGE BIOTOWER	4	0			130,000	1,300,000				
10401		2019-1127	ORANGE STREET LOCATION 4 BIOTOWER	4	0					240,000	2,600,000		
10401		2019-1128	ORANGE STREET LOCATION 5 BIOTOWER	3	0						240,000	2,400,000	
10401	525002864	2019-1057	700 W (1600 S TO 2100 S) ROADWAY	5	5	190,312							
10401	525002942	2019-1091	800 WEST 600 S to 800 S	5	5	1,200,000							
10401	525002861	R19-0018	300 W (900 S TO 2100 S) Spot Repairs and Sewer Rehabilitation Project	5	5	2,500,000							
10401	525002982	2019-1018	Roadway Bond 2021: 900 East from Hollywood to 2700 South	5	5	350,000							
10401	525002980	2019-1038	Roadway Bond 2021: 100 S from 900 East to North Campus Drive	5	5	100,000							
10401	525002985	2019-1066	1700 East 12-inch Sewer - 1700 South to 2700 South Roadway	5	5	750,000			100,000				
10401	525002979	2019-1072	CITY WIDE SEWER IMPROVEMENTS AND PRESERVATION 2020/2021	5	5	600,000							
10401		2019-1068	200 SOUTH - 400 WEST TO 900 EAST, PHASE 1	4	4		2,500,000	1,000,000					
10401		2019-1073	CITY WIDE SEWER IMPROVEMENTS AND PRESERVATION 2021/2022	4	4		800,000						
10401		2019-1071	1100 EAST TO HIGHLAND - ROMONA AVE TO WARNOCK AVENUE	4	4			300,000					
10401		2019-1070	1100 EAST - 900 SOUTH TO RAMONA AVE	5	5			1,200,000					
10401		2019-1078	1300 EAST - 2100 SOUTH TO CITY BOUNDARY	5	5			600,000					
10401		2019-1074	CITY WIDE SEWER IMPROVEMENTS AND PRESERVATION 2022/2023	5	5			800,000					
10401		2020-1106	VIRGINIA STREET - SOUTH TEMPLE TO 11TH AVE	5	5			300,000					
10401		2020-1107	300 NORTH - 300 WEST TO 1000 WEST	5	5			800,000					
10401		2019-1075	CITY WIDE SEWER IMPROVEMENTS AND PRESERVATION 2023/2024	5	4			600,000					
10401	525002978	2019-1065	900 South - 900 West to 300 West & West Temple to 900 East	5	5	700,000							
10401		2019-1081	2100 SOUTH - 700 EAST TO 1700 EAST	5	5			800,000					
10401		2019-1174	CITY WIDE SEWER IMPROVEMENTS AND PRESERVATION 2024/2025	5	5			1,000,000					

**SEWER UTILITY BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	PAST BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DELAYED
10401	525002865	R19-0016	City Wide Street Improvements Spot Repairs and Sewer Rehabilitation Project	5	5			500,000					
10401		2020-1053	SLCo Surplus Inspection Reporting	5	4				150,000				200,000
10401		2020-1059	Jordan River WQ Sewer SAE	4	0				25,000				350,000
10401		2020-1086	SR-186 (400 S) -- State Street to 1300 E Sewer Rehab (UDOT)	4	5		40,000	300,000					
10401		2020-1097	Foothill Dr -- 2100 E to Stringham Sewer Rehab	4	5		350,000						
10401		2020-1098	State Street -- 1700 S to 400 S Sewer Rehab	4	5		40,000	300,000					
10401		2017-2109	Developer Driven Improvements	3	3								500,000
10401		2017-2016	630 South State Street East Side (Life on State)	4	5		150,000						
10401		2020-1169	SLCo Surplus Canal Certification Project	5	4				1,000,000		3,000,000		
						6,590,312	4,080,000	8,830,000	2,775,000	440,000	6,040,000	2,600,000	1,250,000
			<b>PIPE RENEWAL &amp; REPLACEMENT PROGRAM</b>										
10401		2015-0486	1% PER YEAR SEWER REHABILITATION/SYSTEM RENEWAL	5	5				4,000,000	3,500,000	4,500,000	4,500,000	3,400,000
10401		2015-0722	TESORO SEWER TRUNK LINE REHABILITATION	5	4							600,000	6,000,000
10401		2016-0897	WEST TEMPLE FROM TRUMAN AVE TO 1300 S CIPP	5	4								4,500,000
10401		2016-0902	800 S AND 1100 E LATERAL CONNECTIONS AND UPSTREAM INFILTRATION	3	4				350,000				
10401		2015-0727	300 W - 550 S TO 600 S	3	3								250,000
10401		2016-0895	ELGIN AVE SEWER REPLACEMENT	3	4								
10401		2015-0318	700 SOUTH - 3750 WEST TO IRON ROSE PLACE (3830 W)	4	4						50,000	350,000	650,000
10401	525002835	2016-0873	DOOLEY COURT	3	5	400,000	150,000						
10401	525002851	R18-0027	1200 WEST TRUNK LINE REHABILITATION PROJECT	5	5	8,000,000	75,000		12,200,000				32,000,000
10401		2020-1009	BECK STREET TRUNK LINE REHABILITATION PROJECT	5	5					10,000,000			30,000,000
10401	525002918	2016-1040	CIPP SEWER ON 800 EAST FROM SOUTH TEMPLE TO 100 SOUTH	3	5	100,000							
10401	525002881	2016-1041	CIPP SEWER ON 600 SOUTH FROM 500 EAST TO 600 EAST	3	5	50,000							
10401	525002897	2016-1042	CIPP SEWER ON 600 SOUTH 600 EAST	3	5	50,000							
10401	525002882	2016-1044	CIPP SEWER ON 300 WEST FROM ORCHARD PL TO 600 SOUTH	3	5	50,000							
10401	525002907	2016-1047	CIPP SEWER ON EMERSON AVE BETWEEN 2200 EAST AND 2300 EAST	3	5	65,000							
10401	525002914	2016-1048	CIPP SEWER ON ROOSEVELT AVE AND 2200 EAST	3	5	30,000							
10401	525002911	2016-1058	CIPP SEWER ON DARWIN ST FROM GIRARD AVE TO ZANE AVE	3	5	50,000							
10401	525002895	2016-1059	CIPP SEWER ON 1040 SOUTH BONNEVILLE DR	3	5	50,000							
10401	525002887	2016-1077	CIPP SEWER ON 1100 EAST BETWEEN 100 SOUTH AND 200 SOUTH	3	5	60,000							
10401	525002912	2016-1078	CIPP SEWER ON 200 SOUTH BETWEEN 900 EAST AND 1000 EAST	3	5	60,000							
10401	525002899	2016-1081	CIPP SEWER ON 1000 EAST BETWEEN 200 SOUTH AND 300 SOUTH	3	5	40,000							
10401	525002888	2016-1089	CIPP SEWER ALLEY WEST OF 600 E BETWEEN 800 SOUTH AND 900 SOUTH	3	5	200,000							
10401	525002913	2016-1090	CIPP SEWER ON GRACE CT AND WILLIAMS AVE	3	5	36,000							
10401	525002883	2016-1091	CIPP SEWER ON ALLEY EAST OF 300 EAST BETWEEN 800 SOUTH AND 900 SOUTH	3	5	36,000							
10401	525002891	2016-1093	CIPP SEWER ON 1700 EAST AND PARLEYS CANYON BLVD	3	5	36,000							
10401	525002904	2016-1094	CIPP SEWER ON FOURTH AVE FROM A STREET TO B STREET	3	5	36,000							
10401	525002901	2016-1096	CIPP SEWER ON THIRD AVE FROM E STREET TO F STREET	3	5	85,000							
10401	525002900	2016-1097	CIPP SEWER ON J STREET BETWEEN THIRD AVE AND FOURTH AVE	3	5	170,000							
10401	525002910	2016-1098	CIPP SEWER ON SECOND AVE BETWEEN F STREET AND G STREET	3	5	150,000							
10401	525002894	2016-1102	CIPP SEWER ON K STREET FROM SOUTH TEMPLE TO FIRST AVE	3	5	70,000							
10401	525002884	2016-1100	CIPP SEWER ON E STREET BETWEEN FIRST AVE AND SECOND AVE	3	5	40,000							
10401	525002893	2016-1103	CIPP SEWER ON 500 EAST BETWEEN SOUTH TEMPLE AND 100 SOUTH	3	5	105,000							
10401	525002892	2016-1104	CIPP SEWER ON SLADE PL AND 500 EAST	3	5	32,000							
10401	525002902	2016-1105	CIPP SEWER ON 300 SOUTH AND 300 EAST	3	5	642,000							
10401	525002908	2016-1110	CIPP ON A STREET BETWEEN SOUTH TEMPLE AND FIRST AVE	3	5	65,000							
10401	525002903	2016-1112	CIPP SEWER ON 200 EAST BETWEEN 200 SOUTH AND 300 SOUTH	3	5	60,000							
10401	525002889	2016-1113	CIPP SEWER ON 200 EAST BETWEEN 300 SOUTH AND 400 SOUTH	3	5	200,000							
10401	525002885	2016-1114	CIPP SEWER ON 200 WEST FROM 200 NORTH TO 300 NORTH	3	5	15,000							
10401	525002905	2016-1116	CIPP SEWER ON WEST TEMPLE BETWEEN 200 SOUTH AND 300 SOUTH	3	5	60,000							
10401	525002896	2016-1117	CIPP SEWER ON 200 SOUTH BETWEEN REGENT ST AND STATE ST	3	5	90,000							
10401	525002886	2016-1118	CIPP SEWER ON 200 SOUTH BETWEEN WEST TEMPLE AND MAIN ST	3	5	40,000							
10401	525002890	2016-1119	CIPP SEWER ON 400 SOUTH BETWEEN WEST TEMPLE AND MAIN ST	3	5	70,000							
10401	525002909	2016-1120	CIPP SEWER ON 400 SOUTH BETWEEN MAIN ST AND CACTUS ST	3	5	50,000							
10401	525002906	2016-1121	CIPP SEWER ON MENLO AVE AND 800 EAST	3	5	60,000							
10401	525002981	2016-1125	CIPP SEWER ON 650 EAST SIXTEENTH AVE	3	5	8,000	80,000						
10401	525002983	2016-1128	CIPP SEWER ON NORTHCREST DR BETWEEN I STREET AND ALOHA RD	3	5	5,000	50,000						
10401	525002984	2016-1130	CIPP SEWER ON C STREET BETWEEN TENTH AVE AND ELEVENTH AVE	3	5	13,000	130,000						
10401	525002943	2016-1141	CIPP SEWER ON J STREET BETWEEN EIGHTH AVE AND NINTH AVE	3	5	4,000	40,000						
10401	525002944	2016-1143	CIPP SEWER ON A STREET FROM SIXTH AVE TO SEVENTH AVE	3	5	5,000	50,000						
10401	525002945	2016-1146	CIPP SEWER AT 2930 EAST OQUIRRH DR	3	5	16,000	160,000						
10401	525002946	2016-1147	CIPP SEWER ON 2725 EAST ST MARY'S WAY	3	5	28,000	280,000						
10401	525002947	2016-1148	CIPP SEWER AT 3050 EAST SHERWOOD DR	3	5	5,000	50,000						
10401	525002948	2016-1150	CIPP SEWER ON 1470 SOUTH CANTERBURY DR	3	5	5,000	50,000						
10401	525002949	2016-1151	CIPP SEWER ON 1515 SOUTH DEVONSHIRE DR	3	5	6,500	65,000						

**SEWER UTILITY BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	PAST BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DELAYED
10401		2016-1159	CIPP SEWER FROM 1785 SOUTH FOOTHILL DR TO BLAINE AVE										
10401	525002950	2016-1182	CIPP SEWER ON EMERSON AVE FROM 2300 EAST TO FOOTHILL	3	5	3,500	35,000						
10401	525002951	2016-1170	CIPP SEWER BETWEEN 1811 SOUTH FOOTHILL AND 1845 SOUTH FOOTHILL DR	3	5	30,000	300,000						
10401	525002952	2016-1243	CIPP SEWER ON 2100 SOUTH BETWEEN MCCLELLAND ST AND 1100 EAST	3	5	4,000	45,000						
10401	525002953	2016-1196	CIPP SEWER FROM 2400 EAST KENSINGTON AVE TO 2440 EAST KENSINGTON AVE	3	5	8,000	80,000						
10401	525002954	2016-1199	CIPP SEWER ON 800 EAST FROM PARKWAY AVE TO FAIRMONT CIR	3	5	25,000	230,000						
10401	525002955	2016-1205	CIPP SEWER ON 600 WEST BETWEEN 100 SOUTH AND 200 SOUTH	3	5	7,000	60,000						
10401	525002956	2016-1210	CIPP SEWER ON KENDEN DR AND SCENIC DR	3	5	3,500	35,000						
10401	525002957	2016-1211	CIPP SEWER AT PARLEYS WAY AND MAYWOOD DR	3	5	4,500	45,000						
10401	525002958	2016-1217	CIPP SEWER ON GARFIELD AVE FROM 2130 EAST GARFIELD TO CONNER ST	3	5	3,500	35,000						
10401	525002960	2016-1220	CIPP SEWER ON HANNIBAL ST FROM WILMINGTON AVE TO PARLEYS CANYON BL	3	5	10,000	100,000						
10401	525002962	2016-1221	CIPP SEWER SUGAR HOUSE PARK (1630 E 2100 S)	3	5	30,000	300,000						
10401	525002963	2016-1227	CIPP SEWER ON 900 EAST BETWEEN FAIRMONT CIR AND STRATFORD	3	5	7,000		70,000					
10401	525002959	2016-1237	CIPP SEWER ON CLAYBOURNE AVE FROM 1300 EAST TO ALDEN ST	3	5	15,000		130,000					
10401	525002964	2016-1238	CIPP SEWER ON 1000 EAST BETWEEN 2700 SOUTH AND 2800 SOUTH	3	5	70,000		70,000					
10401		2016-1240	CIPP SEWER ON MCCLELLAND ST AT CRANDAL AVE	3	5								35,000
10401	525002967	2016-1254	CIPP SEWER 745 SOUTH GUARDSMAN WAY	3	5	5,000		50,000					
10401		2015-0683	8TH AVE - FROM M ST TO L ST	3	4								22,000
10401	525002961	2016-0872	800 W 100 N TO 100 S BOTH SIDES	3	5	20,000		200,000					
10401	525002969	2016-0907	600 W 300 - 400 N EAST SIDE	3	5	5,000		240,000					
10401		2016-0963	CIPP SEWER LINE PROJECT FROM 1038 EAST NORTH BONNEVILLE DR TO 760 NORTH NORTHLM	3	4								25,000
10401		2016-0836	2600 E BLAINE AVE TO FOOTHILL	2	5								100,000
10401	525002965	2016-0740	SOUTH TEMPLE FROM 1410 EAST TO 1380 EAST	3	5	6,000		40,000					
10401	525002446	2016-0896	700 WEST FROM 250 NORTH TO 300 NORTH	4	5	25,000		250,000					
10401	525002973	2016-0970	CIPP SEWER LINE FROM 300 WEST TO 260 WEST ON REED AVE	3	5	4,000		40,000					
10401	525002966	2016-0971	CIPP SEWER LINE ON 200 WEST FROM 600 NORTH TO GIRARD AVE	3	5	4,000		40,000					
10401		2016-0972	CIPP SEWER VIRGINIA ST FROM MH 22062 TO POPPERTON WAY	3	4								25,000
10401	525002974	2016-0973	CIPP SEWER ON SEVENTH AVE FROM H STREET TO I STREET	3	5	5,000		50,000					
10401	525002972	2016-0975	CIPP SEWER IN INTERNATIONAL CENTER ON NEIL ARMSTRONG ROAD	3	5	12,000		120,000					
10401		2016-0976	CIPP SEWER ON DONNER WAY AND DONNER CIRCLE	3	4								20,000
10401		2016-0978	CIPP SEWER ON OAK HILLS WAY	3	4								66,000
10401		2016-0984	CIPP SEWER ON WILTON WAY TO SHERWOOD DR	3	4								110,000
10401	525002968	2016-0985	CIPP SEWER ON ROXBURY ROAD	3	5	5,000		55,000					
10401	525002970	2016-0986	CIPP SEWER ON APACHE CIRCLE	3	5	5,000		50,000					
10401		2016-0996	CIPP SEWER 1700 SOUTH AND FOOTHILL DR	3	4								85,000
10401	525002971	2016-1000	CIPP SEWER ON 1700 SOUTH INDUSTRIAL ROAD	3	5	3,000		30,000					
10401	525002976	2016-1022	CIPP SEWER ON BRYAN AVE FROM 1000 EAST TO 1100 EAST	3	5	8,000		80,000					
10401	525002977	2016-1023	CIPP SEWER ON 1200 EAST FROM WOOD AVE TO MILTON AVE	3	5	20,000		200,000					
10401		2016-1025	CIPP SEWER 1700 SOUTH 2100 EAST	3	4								50,000
10401		2016-1029	CIPP SEWER ON 1100 EAST FROM MICHIGAN AVE TO HERBERT AVE	3	5								90,000
10401		2016-1034	CIPP SEWER ON WHITLOCK AVE FROM HIGHLAND DR TO DOUGLAS ST	3	4								40,000
10401		2016-1037	CIPP SEWER ON HOLLYWOOD AVE BETWEEN 1800 EAST AND 1900 EAST	3	3								55,000
10401		2016-1043	CIPP SEWER ON 200 EAST AND 100 SOUTH	3	5								200,000
10401		2016-1045	CIPP SEWER ON WEST TEMPLE BETWEEN SOUTH TEMPLE AND 100 SOUTH	3	5								200,000
10401		2016-1046	CIPP SEWER ON 100 SOUTH STATE STREET	3	5								250,000
10401		2016-1060	CIPP SEWER ON 800 EAST FROM SIMPSON AVE TO WILMINGTON AVE	3	5								200,000
10401		2016-1061	CIPP SEWER ON THIRD AVE FROM O ST TO P ST	3	4								70,000
10401		2016-1074	CIPP SEWER ON SOUTH TEMPLE FROM P ST TO Q ST	3	5								900,000
10401		2016-1076	CIPP SEWER ON 900 EAST FROM SOUTH TEMPLE TO 100 SOUTH	3	4								40,000
10401		2016-1079	CIPP SEWER ON 200 SOUTH 1300 EAST TO UNIVERSITY	3	4								40,000
10401		2016-1082	CIPP SEWER ON LINDEN AVE AND 1000 EAST	3	5								40,000
10401		2016-1083	CIPP SEWER ON 900 EAST BETWEEN 300 SOUTH AND 400 SOUTH	3	4								400,000
10401		2016-1084	CIPP SEWER ON GILMER DR	3	4								80,000
10401		2016-1085	CIPP SEWER ON 1900 EAST FROM HERBERT AVE TO YALE AVE	3	5								60,000
10401		2016-1087	1700 SOUTH AND 1700 EAST SEWER REHAB	3	4								75,000
10401		2016-1088	CIPP SEWER ON FAYETTE AVE AND WEST TEMPLE	3	5								50,000
10401		2016-1109	CIPP SEWER ON ELY PL AND 700 EAST	3	5								
10401		2016-11010	CIPP SEWER ON 1000 EAST FROM SOUTH TEMPLE TO 100 SOUTH	3	4								55,000
10401		2016-1111	CIPP SEWER ON 200 EAST FROM 250 SOUTH TO 300 SOUTH	3	5								200,000
10401		2016-1115	CIPP SEWER ON 200 NORTH BETWEEN WEST TEMPLE AND ALMOND ST	3	4								110,000
10401		2016-1122	CIPP SEWER ON EDGEHILL ROAD AND LITTLE VALLEY ROAD	3	5								35,000
10401		2016-1124	CIPP SEWER ON NORTHMONT WAY AND EIGHTEENTH AVE	3	5								60,000
10401		2016-1126	CIPP SEWER ON TERRACE HILLS DR BETWEEN NORTHCREST DR AND NORTH BONNEVILLE	3	5								90,000
10401		2016-1132	CIPP SEWER ON NINTH AVE BETWEEN K STREET AND L STREET	3	4								70,000
10401		2016-1140	CIPP SEWER ON DORCHESTER DR FROM BRAEWICK RD TO SANDRUN RD	3	5								70,000
10401		2016-1142	CIPP SEWER ON B STREET FROM SIXTH AVE TO SEVENTH AVE	3	5								300,000
10401		2016-1145	CIPP SEWER ON DONNER WAY FROM THACKERAY PL TO SHAKESPEARE PL	3	5								40,000



**SEWER UTILITY BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	PAST BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DELAYED
10401		2016-1152	CIPP SEWER ON KENSINGTON AVE AND BEACON DR	3	4								100,000
10401		2016-1153	CIPP SEWER ON CANTERBURY DR FROM LANCASTER DR TO WILTON WAY	3	5								70,000
10401		2016-1156	CIPP SEWER ON UTE DR FROM INDIAN HILL CIRCLE TO EAGLE WAY	3	4								60,000
10401		2016-1157	CIPP SEWER ON COMANCHE DR AND EAGLE WAY	3	5								15,000
10401		2016-1158	CIPP SEWER ON WASATCH DR BETWEEN 1700 SOUTH AND SKYLINE DR	3	5								150,000
10401		2016-1172	CIPP SEWER FROM 1911 SOUTH FOOTHILL TO 1975 SOUTH FOOTHILL	3	4								19,000
10401		2016-1198	CIPP SEWER ON BLAINE AVE AND TEXAS ST	3	5								90,000
10401		2016-1207	CIPP SEWER ON INDUSTRIAL AVE AND 1700 SOUTH	3	5								15,000
10401		2016-1209	CIPP SEWER ON 2300 EAST BETWEEN CLUBHOUSE DR AND MAYWOOD DR	3	5								30,000
10401		2016-1212	CIPP SEWER FROM 2526 EAST COMMONWEALTH TO WYOMING ST	3	5								35,000
10401		2016-1213	CIPP SEWER ON 2000 EAST BETWEEN WILSON AVE AND DOWNINGTOWN AVE	3	5								60,000
10401		2016-1214	CIPP SEWER FROM 1838 EAST DOWNINGTOWN AVE TO 1800 EAST	3	5								70,000
10401		2016-1215	CIPP SEWER ON 2100 EAST FROM WILSON AVE TO DOWNINGTOWN AVE	3	4								25,000
10401		2016-1229	CIPP SEWER ON GLENMARE ST BETWEEN STRATFORD AVE AND 2700 SOUTH	3	5								19,000
10401		2016-1241	CIPP SEWER ON HUDSON AVE BETWEEN HIGHLAND DRIVE AND 1400 EAST	3	5								100,000
10401		2016-1242	CIPP SEWER ON SYLVAN AVE BETWEEN 1900 EAST AND 2000 EAST	3	4								40,000
10401		2016-1245	CIPP SEWER ON THIRD AVE AT CANYON ROAD	3	5								80,000
10401		2016-1246	CIPP SEWER ON STATE STREET BETWEEN 126 N AND 200 NORTH	3	4								100,000
10401		2016-1248	CIPP SEWER ON C STREET BETWEEN FIFTH AVE AND SIXTH AVE	3	5								180,000
10401		2016-1256	CIPP SEWER ON UNIVERSITY BLVD (500 S) FROM 1500 EAST TO GUARDSMAN WAY	3	4								70,000
10401		2015-0309	500 SOUTH - 3415 WEST TO 3600 WEST	3	3								224,000
10401		2016-0821	ELGIN AVE 1000 E - 950 E	2	4								250,000
10401		2016-0967	8-IN CIPP SEWER LINE FROM CAMBRIDGE WAY TO 1330 EAST PERRYS HOLLOW	3	4								80,000
10401		2016-0974	CIPP SEWER ON 1500 WEST FROM TALISMAN DR TO 895 NORTH	3	4								100,000
10401		2016-0977	CIPP SEWER BONNEVILLE DR	3	3								70,000
10401		2016-0982	CIPP SEWER AT ST MARY'S WAY AND OQUIRRH DRIVE	3	4								110,000
10401		2016-1006	CIPP SEWER ON 4TH AVE FROM VIRGINIA ST TO U ST	3	5								55,000
10401		2016-1007	CIPP SEWER ON FORT DOUGLAS CIRCLE	3	5								30,000
10401		2016-1053	CIPP SEWER ON KRISTIANNA CIR AND VIRGINIA ST	3	5								120,000
10401		2016-1054	CIPP SEWER ON ROUNDTOLT DR TO EAST CAPITOL BLVD	3	5								80,000
10401		2016-1062	CIPP SEWER ON SECOND AVE FROM L STREET TO M STREET	3	5								40,000
10401		2016-1127	CIPP SEWER ON 550 EAST NORTHHILLS DR	3	5								100,000
10401		2016-0969	CIPP SEWER LINE ON 300 WEST FROM 400 NORTH TO BISHOP PL	3	4								25,000
10401		2016-1066	CIPP SEWER ON M STREET BETWEEN FIRST AND SECOND AVE	3	5								260,000
10401		2016-0870	Easement North of Oquirrh Dr	3	4								50,000
10401		2017-2021	800 South 1200 East	2	5								80,000
10401		2017-1302	LEARNED AVE 1034 TO 1000 WEST	3	5								100,000
10401		2017-2023	400 East 2100 - 1700 South	4	5								500,000
10401	525002922	2017-2040	1210 WEST PACIFIC AVE	3	5	200,000							
10401		2017-2036	350 West 600 South North Side	4	5								150,000
10401		2017-2037	1000 East Logan Ave	3	5								110,000
10401		2017-2038	700 to 800 West 300 North North Side	3	5								300,000
10401		2017-2041	420 South 700 West	2	5								50,000
10401		2017-2047	994 South Oak Hills	3	4								150,000
10401		2017-2123	4200 West North Temple	5	5	60,000							500,000
10401	525002923	2018-1046	YALE AVE - 100 E to 200 E	3	5	300,000							80,000
10401	525002925	2019-1061	1300 S - LAIRD DRIVE	3	5	250,000							50,000
10401		2018-1001	190 East Social Hall	1	5								250,000
10401		2018-1008	CIPP on South Temple Between A and B Street	3	5								25,000
10401		2018-1009	CIPP on Q street from 4th ave to South Temple Including side shots	3	5								400,000
10401		2018-1010	CIPP on 3rd ave from C Street to E Street	2	5								90,000
10401		2018-1011	CIPP on 100 south from 750 - 800 West	2	5								75,000
10401		2018-1012	Spot Repair on Wasatch Drive at 1758 South	3	5								25,000
10401		2018-1021	Foothill Drive 1300-1000 South	4	5								200,000
10401		2018-1022	500 South, Main Street to State Street	1	2								40,000
10401		2018-1027	845 West 200 South	2	5								350,000
10401		2018-1039	900 East 100 - 200 South East Side	2	4								65,000
10401		2018-1042	100 South 800 - 700 East south side	3	4								65,000
10401		2018-1086	18th Ave 630 - 724 East	2	5								800,000
10401		2018-1087	Laird Ave 1300 - 1100 East	2	4								120,000
10401		2018-1088	400 South State to main North Side with Side Street	3	5								120,000
10401		2018-1097	CIPP State St and 500 S to 200 E and 100 S	4	4								2,000,000
10401		2018-1111	North Temple (from Main to West Temple) Capacity Project	4	4								600,000
10401		2019-1017	Downington Ave and 2500 East	3	3								60,000
10401		2019-1051	Harvard Ave - Major St to Main St	4	5								150,000
10401		2019-1058	CIPP on M Street 1st - 4th ave	3	4								500,000
10401		2019-1059	CIPP 800 West 500 to 600 North	3	5								500,000

**SEWER UTILITY BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	PAST BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DELAYED
10401		2019-1063	200 S Sewer Realignment	4	3								250,000
10401		2019-1064	300 West - 500 South to 2100 South Roadway	4	5								2,800,000
10401		2019-1069	400 S 1000 W Sewer Replacement	3	4								450,000
10401		2019-1104	280 South 300 West	3	5								120,000
10401		2019-1139	Fulton Sewer Extension	1	0								680,000
10401		2019-1156	Pioneer Side Sewer Relocation	4	3								300,000
10401		2019-1180	600 South - MH 21371-MH 03058	4	5								60,000
10401		2020-1174	Pipe Replacement 200 S 900 W	4	5								500,000
10401		2020-1045	900 E Main Extension	1	0								300,000
			<b>POINT REPAIR PROGRAM (VARIOUS LOCATIONS)</b>										
10401	525002690	2015-0477	POINT REPAIRS IN SUPPORT OF CIPP PROGRAM (VARIOUS LOCATIONS)	3	5		400,000	350,000	350,000		350,000	350,000	1,000,000
			<b>TOTAL COLLECTION LINES</b>			12,606,500	2,845,000	2,065,000	16,900,000	13,500,000	4,900,000	5,800,000	99,045,000
			<b>MANHOLE REHAB PROGRAM (VARIOUS LOCATIONS)</b>										
			MANHOLE REHAB PROGRAM (VARIOUS LOCATIONS)	5	5				500,000		500,000	500,000	1,000,000
10401	525002875	2015-0478	FY 2019-2020 Manhole Rehab Program (Various Locations)	4	5	450,000							
						450,000	0	0	500,000	0	500,000	500,000	1,000,000
			<b>OTHER PROJECTS</b>										
			CONTRIBUTIONS BY DEVELOPERS	5	5	500,000	500,000	500,000	500,000	500,000	500,000	500,000	
10401		2016-1267	COLLECTION SYSTEM PROJECTS GENERAL SUPPORT - TASK 2	5	0	1,500,000	600,000	300,000					
10401	525002841	EWO 20392	PROGRAM MANAGEMENT SERVICES - TASK 1	2	0	350,000							
10401	525003006	R-20-0277	01VW - Construction Management Support Services	5	0		200,000						
						2,350,000	1,300,000	800,000	500,000	500,000	500,000	500,000	0
			<b>MASTER PLAN IMPLEMENTATION PROGRAM</b>										
10401	525002850	2016-0926	MP11 - State Street 500 South Diversion Improvement	5	5	3,000,000							
10401		2016-0950	MP13 - BECK STREET TRUNK REPLACEMENT FROM 500 SOUTH AND STATE STREET TO 700 SOUTH	5	3								20,000,000
10401	525002878	R19-0079	1800 North Sewer Realignment, Phase 1 - Inverted Siphon	5	5	200,000	8,100,000						
10401	525002879	R19-0082	1800 North Sewer Realignment, Phase 2 - Trunk Sewer	5	5	100,000	8,250,000	6,250,000					
10401	525002915	R19-0084	1800 North Sewer Realignment, Phase 3 - Rehabilitation	5	5			5,000,000					
10401	525002631	2015-0280	ORANGE STREET - PHASE IV - INDIANA TO 1500 SOUTH	5	4					1,200,000	9,000,000		
10401	52490787	2015-0269	MP12D - 700 SOUTH LIFT STATION (SS 10)	5	4	70,000							
10401		2016-0929	MP16 - 600 WEST AND 700 SOUTH TO 500 WEST AND 800 SOUTH	5	5				30,000				2,500,000
10401		2016-0931	MP17B - MAIN STREET FROM 800 SOUTH TO 900 SOUTH	5	5				30,000				1,750,000
10401		2016-0940	MP19 - FOLSOM AVENUE FROM 500 WEST TO 1000 WEST	5	5				30,000				13,500,000
10401		2016-0941	MP20 - 700 WEST FROM 900 SOUTH TO 600 SOUTH	5	4				30,000				5,500,000
10401		2016-0942	MP21 - 100 SOUTH AND 300 WEST DIVERSION	5	4								360,000
10401		2015-0322	MP28 - NORTH TEMPLE - AIRPORT TO ORANGE STREET	4	4								16,250,000
10401		2016-0949	MP26 - SOUTH TEMPLE AND 400 WEST DIVERSION	4	4						40,000		250,000
10401	525002577	2016-0849	MP15 - 700 SOUTH INTERCEPTOR CAPACITY UPGRADE	4	4	3,000,000							
10401	525002584	2016-0905	MP7 - 100 SOUTH 1200 EAST DIVERSION FOR CAPACITY	4	4	350,000							300,000
10401		2016-0943	MP22 - PIONEER ROAD FROM CALIFORNIA AVENUE TO 1500 SOUTH	4	4				40,000				9,000,000
10401		2016-0947	MP24 - 400 SOUTH FROM 300 WEST TO 600 WEST	4	3								3,000,000
10401		2016-0953	MP31 - 600 SOUTH FROM 800 WEST TO 900 WEST	4	3								2,000,000
10401		2016-0952	MP30 - 200 EAST FROM 300 SOUTH TO 500 SOUTH	4	3								2,000,000
10401		2016-0946	MP23 - Parallel 1000 West Trunk	4	3								25,000,000
10401		2016-1195	MP29 - BECK STREET TRUCK REPLACEMENT FROM 200 SOUTH AND 300 WEST TO STATE STREET	4	3								16,000,000
10401		2016-0841	500 S. PUMP AND THIRD FORCE MAIN INSTALLATION	5	1								18,000,000
10401		2016-0954	MP32 - 700 WEST FROM 700 SOUTH TO 500 SOUTH (EAST SIDE OF I-15)	4	3								3,000,000
10401	525002876	2016-0955	MP33 - 1300 EAST FROM 400 SOUTH TO 500 SOUTH	5	3	450,000							
10401		2015-0660	SATELLITE TREATMENT PLANT	5	0								405,500,000
10401		2016-0948	MP25 - Centennial Lift Station Discharge	1	0								3,000,000
10401		2019-1123	700 S. PUMP AND THIRD FORCE MAIN INSTALLATION	5	2								20,000,000
10401		2019-1085	2300 E/WILMINGTON AVE/YUMA ST UPSIZING PROJECT	5	4		80,000		350,000		3,500,000		
10401	525003004	2019-1086	EMERY STREET UPSIZING PROJECT	4	5			60,000	550,000				
10401		2016-0842	MP12B&C - 500 South Capacity Upgrades (3400 West to Orange Street)	5	4				500,000		1,500,000	15,000,000	
10401	525002940	2019-1082	2100 S CAPACITY UPGRADE PROJECT	5	5	750,000	7,750,000						
10401		2019-1105	SOUTH TEMPLE UPSIZING PROJECT	5	5				250,000	2,000,000			
10401		2019-1116	Gladiola Street Capacity Project	2	0								4,000,000
10401		2019-1117	Amelia Earhart Dr/Jimmy Doolittle Rd Upsizing Project	3	3								2,000,000
10401		2019-1118	2100 S Upsizing Project	3	3								1,500,000
10401		2019-1119	California Ave Upsizing Project	3	3								660,000
10401		2019-1120	South Temple/200 E Upsizing Project	3	3							60,000	600,000

**SEWER UTILITY BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	PAST BUDGET YEAR 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DELAYED
10401		2019-1121	700 S Upsizing Project	3	2								2,000,000
10401		2019-1122	N Wall St Upsizing Project	3	2								500,000
10401		2020-1044	MP8B – 3230 West Capacity Upgrades										
						7,920,000	24,180,000	11,310,000	1,810,000	3,200,000	14,040,000	15,060,000	578,170,000
			<b>Total Collection System</b>			37,101,812	35,090,000	23,480,000	25,110,000	26,095,000	26,355,000	26,485,000	694,845,000
			<b>Total Sewer (Collections + WRF)</b>			176,580,725	226,135,826	166,619,252	157,103,748	77,847,603	26,455,000	26,485,000	696,370,000

## SEWER UTILITY CAPITAL PURCHASES

### Projected Budget 2021-22

<u>Cost Center</u>	<u>Object Code</u>	<u>Asset Description</u>	<u>Budget Year 2021-22</u>
	<b><u>275010</u></b>	<b><u>Automobiles &amp; Trucks</u></b>	<b><u>Amount</u></b>
5210601		Ford/E450 Camera Truck	220,000.00
5210601		Freightliner /114 Vactor	605,000.00
5211201		Electric vehicle	35,000.00
			<b>\$ 860,000.00</b>
	<b><u>275030</u></b>	<b><u>FIELD MAINTENACE EQUIPMENT</u></b>	<b><u>Amount</u></b>
5210601		Sewer hose disinfectant	20,000.00
5210601		Vaporooter	30,000.00
5210601		Cement Mixer	5,000.00
5211201		Articulating boom lift	125,000.00
5211201		Skid steer	70,000.00
5211201		Skid steer - auger attachment	10,000.00
5210601		CAT Backhoe replacement program	9,000.00
			<b>\$ 269,000.00</b>
	<b><u>276090</u></b>	<b><u>OTHER NON-MOTIVE EQUIPMENT</u></b>	
5211401		Sewer Video Server (SLCISMV) - for videos and photos so very large capacity	13,000.00
	<b><u>276020</u></b>	<b><u>TREATMENT PLANT EQUIPMENT</u></b>	
5211201		Replacement valves for digester gas (methane) carbon media filter at Co-Gen	20,000.00
5211201		Aeration basin drainage pump	45,000.00
5211201		Replacement gas (methane) blower for Co-Gen Engine	120,000.00
			<b>\$ 198,000.00</b>
		<b>Total</b>	<b>\$ 1,327,000.00</b>

This page left intentionally blank.

**Stormwater Utility- Budget Summary and Cash Flow**

**STORMWATER UTILITY BUDGET SUMMARY  
FY 2022-2024**

SOURCES	ACTUAL 2019-20	AMENDED BUDGET 2020-21	PROJECTED ACTUAL 2020-21	Rate increase 10%	Rate increase 15%	Rate increase 10%
				PROPOSED BUDGET 2021-22	FORECAST BUDGET 2022-23	FORECAST BUDGET 2023-24
<b>REVENUE &amp; OTHER SOURCES</b>						
<b>REVENUES</b>						
METERED SALES	\$ 10,424,070	\$ 9,740,500	\$ 9,740,500	\$ 10,714,550	\$ 12,321,733	\$ 13,553,906
INTEREST INCOME	129,047	199,670	199,670	119,200	105,800	84,300
OTHER REVENUES	74,273	53,000	53,000	64,000	64,000	64,000
TOTAL REVENUES	\$ 10,627,390	\$ 9,993,170	\$ 9,993,170	\$ 10,897,750	\$ 12,491,533	\$ 13,702,206
<b>OTHER SOURCES</b>						
GRANTS & OTHER RELATED REVENUES	\$ 141,153	\$ 398,764	\$ 398,764	\$ 352,000	\$ 352,000	\$ 352,000
SALE OF EQUIPMENT	6,851	4,000	4,000	-	-	-
COUNTY FLOOD CONTROL	-	-	-	-	-	-
IMPACT FEES	488,389	389,000	389,000	389,000	389,000	389,000
SHORT-TERM FINANCING	-	-	-	-	-	-
BOND PROCEEDS	-	-	14,524,479	6,160,000	-	-
TOTAL OTHER SOURCES	\$ 636,393	\$ 791,764	\$ 15,316,243	\$ 6,901,000	\$ 741,000	\$ 741,000
<b>TOTAL REVENUE &amp; OTHER SOURCES</b>	<b>\$ 11,263,783</b>	<b>\$ 10,784,934</b>	<b>\$ 25,309,413</b>	<b>\$ 17,798,750</b>	<b>\$ 13,232,533</b>	<b>\$ 14,443,206</b>
<b>EXPENSES &amp; OTHER USES</b>						
<b>EXPENDITURES</b>						
PERSONNEL SERVICES	\$ 2,900,729	\$ 3,661,580	\$ 3,661,580	\$ 4,215,783	\$ 4,384,413	\$ 4,559,788
OPERATING & MAINTENANCE	255,137	228,808	228,808	232,408	237,056	241,796
TRAVEL & TRAINING	4,033	25,165	25,165	23,615	24,087	24,568
UTILITIES	303,268	242,998	242,998	264,318	269,604	274,996
TECHNICAL SERVICES	462,758	1,859,672	1,389,672	1,019,263	1,039,648	1,060,441
PUBLIC SERVICES / STREET SWEEPING	819,605	819,605	819,605	819,605	835,997	852,717
IMS SERVICES	472,952	455,000	455,000	802,400	818,448	834,817
FLEET MAINTENANCE	233,809	214,000	214,000	214,000	218,280	222,645
ADMINISTRATIVE SERVICE FEE	147,606	160,000	160,000	164,800	168,096	171,458
PAYMENT IN LIEU OF TAXES	100,434	124,259	124,259	133,525	136,196	138,920
BILLING COST	856,889	674,937	674,937	669,010	682,390	696,038
RISK MANAGEMENT	68,741	92,100	92,100	92,100	93,942	95,820
TRANSFERS TO GENERAL FUND	-	4,000	4,000	4,000	4,080	4,162
OTHER CHARGES AND SERVICES	(42,858)	51,458	51,458	49,215	50,200	51,205
TOTAL EXPENDITURES	\$ 6,583,103	\$ 8,613,582	\$ 8,143,582	\$ 8,704,042	\$ 8,962,437	\$ 9,229,371
<b>OTHER USES</b>						
CAPITAL OUTLAY	\$ 429,188	\$ 382,000	\$ 382,000	\$ 218,000	\$ 218,000	\$ 218,000
CAPITAL IMPROVEMENT BUDGET	4,389,476	11,933,745	9,143,000	8,530,500	5,225,000	5,430,000
COST OF DEBT ISSUANCE	-	-	23,570	34,200	-	-
DEBT SERVICES	1,018,835	1,463,701	1,463,701	1,714,271	1,745,321	1,709,254
TOTAL OTHER USES	\$ 5,837,499	\$ 13,779,446	\$ 11,012,271	\$ 10,496,971	\$ 7,188,321	\$ 7,357,254
<b>TOTAL EXPENSE &amp; OTHER USES</b>	<b>\$ 12,420,602</b>	<b>\$ 22,393,028</b>	<b>\$ 19,155,853</b>	<b>\$ 19,201,013</b>	<b>\$ 16,150,758</b>	<b>\$ 16,586,625</b>
<b>EXCESS REVENUE AND OTHER SOURCES OVER (UNDER) USES</b>						
				\$ (1,402,263)	\$ (2,918,225)	\$ (2,143,419)
<b>OPERATING CASH BALANCES</b>						
BEGINNING JULY 1	\$ 7,815,254	\$ 7,504,567	\$ 7,504,567	\$ 13,658,127	\$ 12,255,864	\$ 9,337,639
RESTRICTED / DESIGNATED	\$ 846,132	\$ -	\$ -	\$ -	\$ -	\$ -
AVAILABLE JUNE 30	\$ 7,504,567	\$ (4,103,527)	\$ 13,658,127	\$ 12,255,864	\$ 9,337,639	\$ 7,194,220
Cash Reserve Ratio	114%	-48%	168%	141%	104%	78%
Cash reserve goal above 14%						

**STORMWATER UTILITY CASH FLOW**  
**FY 2022 BUDGET / FY 2023-2026 FORECAST**

	ACTUAL YEAR 2019-2020	PROJECTED YEAR 2020-2021	BUDGET YEAR 2021-2022	BUDGET YEAR 2022-2023	BUDGET YEAR 2023-2024	BUDGET YEAR 2024-2025	BUDGET YEAR 2025-2026
<b>REVENUE</b>							
STORMWATER CHARGES	\$ 10,424,070	\$ 9,740,500	\$ 10,714,550	\$ 12,321,733	\$ 13,553,906	\$ 14,909,297	\$ 14,909,297
OTHER INCOME	74,273	53,000	64,000	64,000	64,000	64,000	64,000
INTEREST INCOME	129,047	199,670	119,200	105,800	84,300	68,600	67,800
OPERATING INCOME	\$ 10,627,390	\$ 9,993,170	\$ 10,897,750	\$ 12,491,533	\$ 13,702,206	\$ 15,041,897	\$ 15,041,097
<b>OPERATING EXPENDITURES</b>							
OPERATING EXPENDITURES	\$ (6,583,103)	\$ (8,143,582)	\$ (8,704,042)	\$ (8,962,437)	\$ (9,229,371)	\$ (9,505,151)	\$ (9,790,098)
<b>NET INCOME EXCLUDING DEP.</b>	\$ 4,044,287	\$ 1,849,588	\$ 2,193,708	\$ 3,529,096	\$ 4,472,835	\$ 5,536,746	\$ 5,250,999
<b>OTHER INCOME &amp; EXPENSE</b>							
IMPACT FEES	\$ 488,389	\$ 389,000	\$ 389,000	\$ 389,000	\$ 389,000	\$ 389,000	\$ 389,000
NET BOND PROCEEDS	-	14,500,000	6,125,000	-	-	-	-
COST OF ISSUANCE (PROCEEDS)	-	24,479	35,000	-	-	-	-
COST OF ISSUANCE (EXP.)	-	(23,570)	(34,200)	-	-	-	-
OTHER CONTRIBUTIONS	141,153	398,764	352,000	352,000	352,000	352,000	352,000
SALE OF EQUIPMENT	6,851	4,000	-	-	-	-	-
CAPITAL OUTLAY	(429,188)	(382,000)	(218,000)	(218,000)	(218,000)	(218,000)	(218,000)
SHORT-TERM DEBT	-	-	-	-	-	-	-
DEBT SERVICE (NEW)	-	-	(160,000)	(191,000)	(191,000)	(341,000)	(341,000)
DEBT SERVICE	\$ (1,018,835)	\$ (1,463,701)	\$ (1,554,271)	\$ (1,554,321)	\$ (1,518,254)	\$ (1,466,376)	\$ (1,465,499)
<b>OTHER INCOME &amp; EXPENSE</b>	\$ (811,630)	\$ 13,446,972	\$ 4,934,529	\$ (1,222,321)	\$ (1,186,254)	\$ (1,284,376)	\$ (1,283,499)
<b>CAPITAL GENERATION</b>							
GENERATED FOR CAPITAL	\$ 3,232,657	\$ 15,296,560	\$ 7,128,237	\$ 2,306,775	\$ 3,286,581	\$ 4,252,370	\$ 3,967,500
<b>CAPITAL IMPROVEMENTS</b>							
CAPITAL IMPROVEMENTS	\$ (4,389,476)	\$ (9,143,000)	\$ (8,530,500)	\$ (5,225,000)	\$ (5,430,000)	\$ (4,430,000)	\$ (4,130,000)
<b>BEGINING CASH BALANCE</b>	\$ 7,815,254	\$ 7,504,567	\$ 13,658,127	\$ 12,255,864	\$ 9,337,639	\$ 7,194,220	\$ 7,016,590
<b>CASH INCREASE/(DECREASE)</b>	\$ (1,156,819)	\$ 6,153,560	\$ (1,402,263)	\$ (2,918,225)	\$ (2,143,419)	\$ (177,630)	\$ (162,500)
<b>RESTRICTED/DESIGNATED</b>	\$ 846,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>ENDING CASH AVAILABLE</b>	\$ 7,504,567	\$ 13,658,127	\$ 12,255,864	\$ 9,337,639	\$ 7,194,220	\$ 7,016,590	\$ 6,854,090
<b>Cash Reserve Ratio</b>	101%	168%	141%	104%	78%	74%	70%
<b>DEBT SERVICE COVERAGE</b>	3.97	1.26	1.28	2.06	2.62	3.34	2.91
<b>RATE CHANGE</b>	10%	0%	10%	15%	10%	10%	0%
Revenue	11,256,932	25,309,413	17,798,750	13,232,533	14,443,206	15,782,897	15,782,097
<b>DEBT SERVICE % OF GROSS OPERATING REVENUE</b>	10%	15%	16%	14%	12%	11%	12%
<b>RESIDENTIAL BILL FOR 1 ERU (or .25 acre)</b>	5.43	5.43	5.98	6.88	7.57	8.33	8.33



**STORMWATER CIP BUDGET**  
**Five Year Projected Budget 2022 - 2026**

COST CENTER	OBJECT CODE / PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	DELAYED
53-10301	2720.05		<b>LIFT STATIONS</b>									
10301		2020-1121	VARIOUS PUMP STATIONS	5	5	50,000		100,000	100,000	100,000	100,000	
10301	53471040		SWEDE TOWN LIFT STATION	3	0		700,000					
10301		2020-1144	NORTHWEST DRAIN LIFT STATION RECONSTRUCTION	5	4							2,020,000
10301		2015-0140	OIL DRAIN LIFT STATION - GABION BASKETS RECONSTRUCTION	5	4							58,000
						\$ 50,000	\$ 700,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 2,078,000
53-10301	2730.20		<b>DETENTION BASINS</b>									
10301		2020-1122	VARIOUS DETENTION BASINS	1	1		50,000	50,000	50,000	50,000	50,000	
10301	534720007	2019-1135	DETENTION BASIN 15 DEEPENING (700 NORTH 400 W DETENTION BASIN REHAB)	4	4	140,000						
						\$ 140,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -
53-10301	2730.12		<b>COLLECTION MAINS</b>									
10301		2020-1123	VARIOUS COLLECTION MAINS	4	5		130,000	130,000	130,000	130,000	130,000	
10301	534701035	2019-1110	SOUTH TEMPLE - R STREET TO 800 EAST STORM DRAIN ASSESSMENT AND REHA	4	5	300,000	550,000					
10301	534701047	2019-1124	FULTON AVE STORM DRAIN	4	5	125,000						
10301	53470882	2017-2101	LEE DRAIN - PIPE OPEN CHANNEL WEST OF PIONEER ROAD	5	4	895,000	895,000					
10301	53470974		ORANGE STREET STORM DRAIN - NORTH TEMPLE TO I-80	5	0							500,000
10301		2015-0142	MIDDLE BRIGHTON RAILROAD CULVERT REHABILITATION	5	4		40,000					260,000
10301		2017-2034	RED BUTTE CREEK CULVERT AT 900 SOUTH - LINER	5	4				300,000			
10301	534700998	2016-0746	ABANDONMENT OF STORMWATER DITCH FROM WARM SPRINGS ROAD TO THE N	4	4	350,000	350,000					
10301	534701029	2017-2098	PIPE REPLACEMENT AT 746 SOUTH ELIZABETH AND 750 S 1100 E	3	5	440,000						
10301		2015-0131	REPAIR OUTLETS ON THE LEE DRAIN AT 4800 WEST	3	4		21,000	170,000				
10301	53470970	2016-0853	DITCH BANK EROSION PROTECTION - 600 NORTH 550 WEST	2	3		35,000	90,000				
10301	534701000	2016-0750	1700 SOUTH STORM DRAIN, FROM 2100 EAST TO EMIGRATION CREEK	3	0	1,100,000	2,200,000					
10301	53470994		CITY DRAIN CROSSING AT HUNTER STABLES	4	3							375,000
10301	53470988		7200 WEST AND NORTH TEMPLE CULVERT REPLACEMENT AND CANAL REHAB	4	4							250,000
						\$ 3,210,000	\$ 4,221,000	\$ 390,000	\$ 430,000	\$ 130,000	\$ 130,000	\$ 1,385,000
			<b>CITY, COUNTY, STATE AND MISC. DRIVEN PROJECTS</b>									
10301	53470979		PROGRAM MANAGEMENT TOOLS	5	5	150,000	150,000					
10301		2020-1161	STORM DRAIN CITY/COUNTY/STATE PROJECTS	5	5	250,000	150,000	150,000	150,000	150,000	2,250,000	
10301	534701051	2018-1017	SURPLUS CANAL ENCROACHMENT AND PERMITTING	5	5	50,000	50,000	50,000	50,000			
10301	534700999	2015-0126	700 WEST - 2100 SOUTH TO 1700 SOUTH - PIPING OF OPEN DITCH	4	3	300,000						
10301	534701028	2019-0118	900 SOUTH - 900 WEST TO 300 WEST, WEST TEMPLE TO 900 EAST	5	3	200,000	1,122,500					
10301	534701059	2019-1003	300 WEST - 900 SOUTH TO 2100 SOUTH	4	3	1,500,000						
10301	534701060	2019-1006	900 EAST - HOLLYWOOD TO 2700 SOUTH	4	3	1,500,000						
10301	534701057	2019-1007	100 SOUTH - NORTH CAMPUS DRIVE TO 900 EAST	4	3	275,000						
10301	534701055	2020-1040	LOCAL STREETS DISTRICT FY21	3	5	100,000						
10301	534701061	2019-1005	200 SOUTH - 400 WEST TO 900 EAST	4	3		500,000					
10301		2020-1130	LOCAL STREETS DISTRICTS FY22	3	5		200,000					
10301		2019-1010	1100 EAST HIGHLAND , RAMONA TO WARNOCK	4	3			1,120,000				
10301		2020-1131	1100 EAST - 900 SOUTH TO RAMONA	4	3			765,000				
10301		2020-1132	300 NORTH - 300 WEST TO 1000 WEST	4	3			900,000				
10301		2020-1133	LOCAL STREETS FY23	3	5			100,000				
10301		2020-1137	VIRGINIA STREET - SOUTH TEMPLE TO 11TH AVE	4	3				1,200,000			
10301		2020-1139	1300 EAST - 2100 SOUTH TO 3000 SOUTH	5	3				1,500,000			
10301		2020-1138	W TEMPLE - NORTH TEMPLE TO 400 SOUTH	3	5				250,000			
10301		2020-1140	LOCAL STREETS FY24	3	5				100,000			
10301		2020-1141	2100 SOUTH - 700 EAST TO 1700 EAST	4	5					1,600,000		
10301		2020-1142	1700 EAST - 1700 SOUTH TO 2700 SOUTH	4	4					700,000		
10301		2020-1143	LOCAL STREETS DISTRICT FY25	3	5					100,000		
						\$ 4,325,000	\$ 2,172,500	\$ 3,085,000	\$ 3,250,000	\$ 2,550,000	\$ 2,250,000	\$ -
			<b>PUBLIC UTILITY DEFINED PROJECTS</b>									
10301		2020-1125	VARIOUS PUBLIC UTILITY DEFINED PROJECTS	4	4		50,000	50,000	50,000	50,000	50,000	
10301		2020-1162	CLEANOUT BOX REHABILITATION	4	5	100,000	100,000	100,000	100,000	100,000	100,000	

**STORMWATER CIP BUDGET**  
**Five Year Projected Budget 2022 - 2026**

COST CENTER	OBJECT CODE / PROJECT NUMBER	CAP REQUEST NUMBER	PROJECT DESCRIPTION	CRITICALITY RATING	CONDITION RATING	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	DELAYED
10301		2016-1270	URBAN WETLAND TREATMENT FACILITY AT FAIRMONT PARK - PRE-DESIGN	3	0	20,000						
10301		2016-0854	GREEN INFRASTRUCTURE AT HOOTEN BUILDING - ROOF DRAIN INFILTRATION	2	0	30,000						
10301	53470973	2016-1086	STORMWATER QUALITY - DESIGN FOR MAJOR OUTFALLS	3	0	100,000						
10301		2020-1164	STORMWATER QUALITY - RETROFITS	4	4	150,000	169,000	100,000	100,000	100,000	100,000	
10301		2020-1163	DITCH RECONSTRUCTION AND PHRAGMITE CONTROL	3	5	50,000	50,000	50,000	50,000	50,000	50,000	
						\$ 450,000	\$ 369,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ -
			<b>RIPARIAN CORRIDOR PROJECTS</b>									
10301		2020-1126	VARIOUS RIPARIAN CORRIDOR PROJECTS			175,000	200,000	250,000	250,000	250,000	250,000	
10301	534700012	2020-1023	RIPARIAN CORRIDOR ASSESSMENT			75,000	50,000					
10301		2015-0610	RED BUTTE AT 1300 EAST - RIPARIAN ENHANCEMENTS	4	0							650,000
						\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 650,000
			<b>LOCAL AREA PROJECTS ( * WORK BY CITY CREWS)</b>									
10301		2020-1127	VARIOUS LOCAL AREA PROJECTS PROJECTS	5	5	100,000	100,000	100,000	100,000	100,000	100,000	
10301	534701006	2015-0439	AVENUE CROSSWALKS / SID VARIOUS STREETS -DIP STONE REPLACEMENT	3	4	50,000	50,000	50,000	50,000	50,000	50,000	
10301	534701005	2015-0440	AVENUE CROSSWALKS AND ADA RAMPS	3	0	50,000	50,000	50,000	50,000	50,000	50,000	
10301	534701004	2015-0438	CONTRIBUTIONS BY DEVELOPERS	3	0	400,000	400,000	400,000	400,000	400,000	400,000	
						\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ -
			<b>MASTER PLAN PROJECTS</b>									
10301			VARIOUS MASTER PLAN PROJECTS	5	5			400,000	400,000	400,000	400,000	
						\$ -	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ -
			<b>TOTAL COLLECTION MAINS</b>			\$ 8,835,000	\$ 7,612,500	\$ 5,025,000	\$ 5,230,000	\$ 4,230,000	\$ 3,930,000	\$ 2,035,000
			<b>LANDSCAPING</b>									
10301	2730.20	2020-1128	VARIOUS LANDSCAPING PROJECTS			50,000	50,000	50,000	50,000	50,000	50,000	
10301	53470934		NORTHWEST OIL DRAIN				50,000					
10200		2020-1043	900 SOUTH LANDSCAPING PROJECT			68,000	68,000					
						\$ 118,000	\$ 168,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -
			<b>TOTAL CAPITAL IMPROVEMENTS</b>			\$ 9,143,000	\$ 8,530,500	\$ 5,225,000	\$ 5,430,000	\$ 4,430,000	\$ 4,130,000	\$ 4,113,000

## STORMWATER UTILITY CAPITAL PURCHASES

### Projected Budget 2021-22

<u>Cost Center</u>	<u>Object Code</u>	<u>Asset Description</u>	<u>Budget Year 2021-22</u>
	<b><u>275010</u></b>	<b><u>MOTIVE REPLACEMENT AUTOS &amp; TRUCKS</u></b>	<b><u>Amount</u></b>
5310701		1 /4 ton 4X4 with cover - new	34,000.00
5310301		Chevy or similar - new	35,000.00
5310201		Hydro vac	140,000.00
			<b>\$ 209,000.00</b>
	<b><u>275030</u></b>	<b><u>FIELD MAINTENACE EQUIPMENT</u></b>	<b><u>Amount</u></b>
5310201		CAT Backhoe replacement program	9,000.00
			<b>\$ 9,000.00</b>
		<b>Total</b>	<b>\$ 218,000.00</b>

**Street Lighting Utility- Budget Summary and Cash Flow**

**STREET LIGHTING UTILITY BUDGET SUMMARY  
FY 2022-2024**

SOURCES	ACTUAL 2019-20	AMENDED BUDGET 2020-21	PROJECTED ACTUAL 2020-21	PROPOSED BUDGET 2021-22	FORECAST BUDGET 2022-23	FORECAST BUDGET 2023-24
<b><u>REVENUE &amp; OTHER SOURCES</u></b>						
<b><u>REVENUES</u></b>						
STREET LIGHTING FEES	\$ 4,232,826	\$ 4,224,298	\$ 4,097,569	\$ 4,097,569	\$ 4,097,569	\$ 4,520,866
INTEREST INCOME	119,716	8,000	25,133	40,500	40,500	40,500
OTHER REVENUES	250	6,659	6,659	4,859	4,859	4,859
TOTAL REVENUES	\$ 4,352,792	\$ 4,238,957	\$ 4,129,361	\$ 4,142,928	\$ 4,142,928	\$ 4,566,225
<b><u>OTHER SOURCES</u></b>						
GRANTS & OTHER RELATED REVENUES	\$ -	\$ 27,841	\$ 27,841	\$ 27,841	\$ 27,841	\$ 27,841
TRANSFERS FROM GENERAL FUND	-	21,788	21,788	20,000	20,000	20,000
IMPACT FEES	-	-	-	-	-	-
BOND PROCEEDS	-	-	-	-	-	-
TOTAL OTHER SOURCES	\$ -	\$ 49,629	\$ 49,629	\$ 47,841	\$ 47,841	\$ 47,841
<b>TOTAL REVENUE &amp; SOURCES</b>	<b>\$ 4,352,792</b>	<b>\$ 4,288,586</b>	<b>\$ 4,178,990</b>	<b>\$ 4,190,769</b>	<b>\$ 4,190,769</b>	<b>\$ 4,614,066</b>
<b><u>EXPENSES &amp; OTHER USES</u></b>						
<b><u>EXPENDITURES</u></b>						
PERSONNEL SERVICES	\$ 217,734	\$ 225,667	\$ 225,667	\$ 357,390	\$ 371,685	\$ 386,553
OPERATING & MAINTENANCE	5,960	6,994	6,994	6,994	7,134	7,280
TRAVEL & TRAINING	2,954	3,000	3,000	3,000	3,060	3,122
UTILITIES	784,008	1,011,500	1,011,500	1,011,500	1,031,730	1,052,366
TECHNICAL SERVICES	2,018,825	1,593,115	1,593,115	1,827,704	1,864,259	1,901,546
IMS SERVICES	1,791	-	-	3,040	3,101	3,164
FLEET MAINTENANCE	-	-	-	-	-	-
ADMINISTRATIVE SERVICE FEE	36,074	48,000	48,000	48,000	48,960	49,940
PAYMENT IN LIEU OF TAXES	-	74,170	74,170	-	-	-
RISK MANAGEMENT	260	1,000	1,000	1,000	1,020	1,041
TRANSFERS TO GENERAL FUND	-	-	-	-	-	-
OTHER CHARGES AND SERVICES	4,231	8,786	8,786	7,498	7,648	7,804
TOTAL EXPENDITURES	\$ 3,071,837	\$ 2,972,232	\$ 2,972,232	\$ 3,266,126	\$ 3,338,597	\$ 3,412,816
<b><u>OTHER USES</u></b>						
CAPITAL OUTLAY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL IMPROVEMENT BUDGET	1,029,503	2,256,414	2,256,414	2,240,000	2,240,000	2,240,000
DEBT SERVICES	103,437	191,834	191,834	193,537	193,585	193,562
TOTAL OTHER USES	\$ 1,132,940	\$ 2,448,248	\$ 2,448,248	\$ 2,433,537	\$ 2,433,585	\$ 2,433,562
<b>TOTAL EXPENSE &amp; OTHER USES</b>	<b>\$ 4,204,777</b>	<b>\$ 5,420,480</b>	<b>\$ 5,420,480</b>	<b>\$ 5,699,663</b>	<b>\$ 5,772,182</b>	<b>\$ 5,846,378</b>
<b><u>EXCESS REVENUE AND OTHER</u></b>						
SOURCES OVER (UNDER) USES	\$ 148,015	\$ (1,131,894)	\$ (1,241,490)	\$ (1,508,894)	\$ (1,581,413)	\$ (1,232,312)
<b><u>OPERATING CASH BALANCES</u></b>						
BEGINNING JULY 1	\$ 5,280,952	\$ 6,050,463	\$ 6,050,463	\$ 4,808,973	\$ 3,300,079	\$ 1,718,666
RESTRICTED / DESIGNATED	\$ 621,496	\$ -	\$ -	\$ -	\$ -	\$ -
AVAILABLE JUNE 30	\$ 6,050,463	\$ 4,918,569	\$ 4,808,973	\$ 3,300,079	\$ 1,718,666	\$ 486,354
CASH RESERVE RATIO	197%	165%	162%	101%	51%	14%
Cash reserve goal above 14%						

**STREET LIGHTING UTILITY CASH FLOW**  
**FY 2022 BUDGET / FY 2023-2026 FORECAST**

	ACTUAL YEAR 2019-2020	PROJECTED YEAR 2020-2021	BUDGET YEAR 2021-2022	BUDGET YEAR 2022-2023	BUDGET YEAR 2023-2024	BUDGET YEAR 2024-2025	BUDGET YEAR 2025-2026
<b>REVENUE</b>							
STREET LIGHTING SALES	\$ 4,232,826	\$ 4,097,569	\$ 4,097,569	\$ 4,097,569	\$ 4,520,866	\$ 5,155,812	\$ 5,579,109
OTHER INCOME	250	6,659	4,859	4,859	4,859	4,859	4,859
INTEREST INCOME	119,716	25,133	40,500	40,500	40,500	40,500	40,500
OPERATING INCOME	\$ 4,352,792	\$ 4,129,361	\$ 4,142,928	\$ 4,142,928	\$ 4,566,225	\$ 5,201,171	\$ 5,624,468
<b>OPERATING EXPENSES</b>							
OPERATING EXPENSES	\$ (3,071,837)	\$ (2,972,232)	\$ (3,266,126)	\$ (3,338,597)	\$ (3,412,816)	\$ (3,488,814)	\$ (3,566,645)
<b>NET INCOME EXCLUDING DEP.</b>	\$ 1,280,955	\$ 1,157,129	\$ 876,802	\$ 804,331	\$ 1,153,409	\$ 1,712,357	\$ 2,057,823
<b>OTHER INCOME &amp; EXPENSE</b>							
BOND PROCEEDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OTHER CONTRIBUTIONS	-	49,629	47,841	47,841	47,841	47,841	47,841
CAPITAL OUTLAY	-	-	-	-	-	-	-
DEBT SERVICE	(103,437)	(191,834)	(193,537)	(193,585)	(193,562)	(193,528)	(193,503)
<b>OTHER INCOME &amp; EXPENSE</b>	\$ (103,437)	\$ (142,205)	\$ (145,696)	\$ (145,744)	\$ (145,721)	\$ (145,687)	\$ (145,662)
<b>CAPITAL GENERATION</b>							
GENERATED FOR CAPITAL	\$ 1,177,518	\$ 1,014,924	\$ 731,106	\$ 658,587	\$ 1,007,688	\$ 1,566,670	\$ 1,912,161
<b>CAPITAL IMPROVEMENTS</b>							
CAPITAL IMPROVEMENTS	\$ (1,029,503)	\$ (2,256,414)	\$ (2,240,000)	\$ (2,240,000)	\$ (2,240,000)	\$ (2,240,000)	\$ (2,240,000)
<b>OPERATING CASH BALANCES</b>							
BEGINING CASH BALANCE	\$ 5,280,952	\$ 6,050,463	\$ 4,808,973	\$ 3,300,079	\$ 1,718,666	\$ 486,354	\$ (186,976)
CASH INCREASE/(DECREASE)	148,015	(1,241,490)	(1,508,894)	(1,581,413)	(1,232,312)	(673,330)	(327,839)
RESTRICTED/DESIGNATED	621,496	-	-	-	-	-	-
<b>ENDING BALANCE</b>	\$ 6,050,463	\$ 4,808,973	\$ 3,300,079	\$ 1,718,666	\$ 486,354	\$ (186,976)	\$ (514,815)
<b>Cash Reserve Ratio</b>	176.7%	161.8%	101.0%	51.5%	14.3%	-5.4%	-14.4%
<b>Debt Service Coverage</b>	12.38	6.03	4.53	4.15	5.96	8.85	10.63
<b>RATE CHANGE</b>	0%	0%	0%	0%	10%	14%	8%
<b>DEBT SERVICE % OF GROSS OP. REV.</b>	2.4%	4.6%	4.7%	4.7%	4.2%	3.7%	3.4%
<b>RESIDENTIAL BILL OF 1 ERU (or 75 ft)</b>	3.73	3.73	3.73	3.73	4.23	4.98	5.48

**STREET LIGHTING UTILITY CIP BUDGET**  
**Five Year Projected Budget 2022-2026**

COST CENTER	PROJECT NUMBER	PROJECT DESCRIPTION	BUDGET YEAR <u>2019-20</u>	CURRENT ESTIMATE` BUDGET YEAR <u>2020-21</u>	FY 21-22 Projected	FY 22-23 Projected	FY 23-24 Projected	FY 24-25 Projected	FY 25-26 Projected	FY 26-27 Projected	FY 27-28 Projected
48-48001	2730.80	<b>Base Level Projects</b>	\$ 1,700,000	\$ 2,000,000	\$ 1,900,000	\$ 1,900,000	\$ 1,900,000	\$ 1,900,000	\$ 1,900,000	\$ 1,900,000	\$ 1,900,000
		<b>Lighting Controls</b>			\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
		<b>Master Plan Projects</b>			\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
		<b>New SLCDPU Campus</b>									
48-48101	2730.80	<b>TIER 1 Projects</b>	\$ 5,000	\$ 20,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
48-48201	2730.80	<b>TIER 2 Projects</b>	\$ 5,000	\$ 20,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
48-48301	2730.80	<b>TIER 3 Projects</b>	\$ 15,000	\$ 200,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
		<b>NUMBER OF PROJECTS</b>	<b>8</b>	<b>xx</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
		<b>TOTAL CAPITAL IMPROVEMENTS</b>	<b>\$ 1,725,000</b>	<b>\$ 2,240,000</b>	\$ 2,240,000	\$ 2,240,000	\$ 2,240,000	\$ 2,240,000	\$ 2,240,000	\$ 2,240,000	\$ 2,240,000

## **APPENDIX A: Rate Change Comparisons and Customer Impacts**



## Water Rate Change Comparisons

### **Comparison of Monthly Water Base Rate Options for City Customers**

Meter Size (inches)	2021 Current Rate	2022 Proposed Rate	Current to Proposed	
			\$	%
3/4	9.28	10.03	0.75	8.08%
1	12.14	13.12	0.98	8.07%
1 1/2	19.29	20.84	1.55	8.04%
2	27.88	30.12	2.24	8.03%
3	50.76	54.83	4.07	8.02%
4	76.50	82.62	6.12	8.00%
6	148.03	159.88	11.85	8.01%
8	233.85	252.56	18.71	8.00%
10	605.76	654.23	48.47	8.00%

### **Comparison of Monthly Water Base Rate Options for County Customers**

Meter Size (inches)	2021 Current Rate	2022 Proposed Rate	Current to Proposed	
			\$	%
3/4	12.53	13.54	1.01	8.06%
1	16.39	17.71	1.32	8.05%
1 1/2	26.04	28.13	2.09	8.03%
2	37.64	40.66	3.02	8.02%
3	68.53	74.02	5.49	8.01%
4	103.28	111.54	8.26	8.00%
6	199.84	215.84	16.00	8.01%
8	315.70	340.96	25.26	8.00%
10	817.78	883.21	65.43	8.00%

**Comparison of Water Monthly Usage Rate Options  
for City Residential Customers**

Flat Rate or Block	2021	2022	Current to Proposed	
	Current Rate per ccf	Proposed Rate per ccf	\$	%
Winter Rate Structure (November - March)				
Flat Rate	1.37	1.48	0.11	8.03%
Summer Rate Structure ( April - October)				
Block 1	1.37	1.48	0.12	8.42%
Block 2	1.87	2.02	0.15	8.02%
Block 3	2.59	2.80	0.21	8.11%
Block 4	2.76	2.99	0.23	8.33%

**Comparison of Water Monthly Usage Rate Options  
for County Residential Customers**

Flat Rate or Block	2021	2021	Current to Proposed	
	Current Rate per ccf	Proposed Rate per ccf	\$	%
Winter Rate Structure (November - March)				
Flat Rate	1.84	2.00	0.16	8.70%
Summer Rate Structure ( April - October)				
Block 1	1.84	2.00	0.16	8.70%
Block 2	2.52	2.73	0.21	8.33%
Block 3	3.50	3.78	0.28	8.00%
Block 4	3.73	4.04	0.31	8.31%

**Rate Structure**

Block	Current
<b>Flat Rate</b>	All Usage
<b>Block 1</b>	1 - 10 ccf
<b>Block 2</b>	11 - 30 ccf
<b>Block 3</b>	31 - 60 ccf
<b>Block 4</b>	>61 ccf

**Comparison of Monthly Usage Rate Options  
for City CII Customers**

Flat Rate or Block	2021 Current Rate per ccf	2022 Proposed Rate per ccf	Current to Proposed	
			\$	%
Winter Rate Structure (November - March)				
Flat Rate	1.49	1.61	0.12	8.1%
Summer Rate Structure ( April - October)				
Block 1	1.49	1.61	0.12	8.1%
Block 2	2.04	2.21	0.17	8.3%
Block 3	2.84	3.07	0.23	8.1%
Block 4	3.01	3.26	0.25	8.3%

**Comparison of Monthly Usage Rate Options  
for County CII Customers**

Flat Rate or Block	2021	2022	Current to Proposed	
	Current Rate per ccf	Proposed Rate per ccf	\$	%
Winter Rate Structure (November - March)				
Flat Rate	2.01	2.17	0.16	8.1%
Summer Rate Structure ( April - October)				
Block 1	2.01	2.17	0.16	8.1%
Block 2	2.75	2.98	0.23	8.5%
Block 3	3.83	4.14	0.31	8.2%
Block 4	4.06	4.40	0.34	8.4%

**Rate Structure**

Block	Current
<b>Flat Rate</b>	All Usage
<b>Block 1</b>	0-AWC
<b>Block 2</b>	AWC-300%
<b>Block 3</b>	300%-600%
<b>Block 4</b>	>600%

\*CII= Commercial, Industrial, and Institutional

\*AWC = Average Winter Consumption.

“AWC-300%” means usage greater than a customer’s AWC and less than or equal to 300% of the customer’s AWC

**Comparison of Water Monthly Usage Rate Options  
for City Irrigation Customers**

Flat Rate or Block	2021	2022	Current to Proposed	
	Current Rate per ccf	Proposed Rate per ccf	\$	%
Winter Rate Structure (November - March)				
Flat Rate	1.80	1.94	0.14	8.00%
Summer Rate Structure ( April - October)				
Block 1	1.80	1.94	0.14	8.00%
Block 2	2.50	2.70	0.20	8.00%
Block 3	2.66	2.87	0.21	7.89%

**Comparison of Water Monthly Usage Rate Options  
for County Irrigation Customers**

Flat Rate or Block	2021	2022	Current to Proposed	
	Current Rate per ccf	Proposed Rate per ccf	\$	%
Winter Rate Structure (November - March)				
Flat Rate	2.42	2.62	0.20	8.45%
Summer Rate Structure ( April - October)				
Block 1	2.42	2.62	0.20	8.45%
Block 2	3.37	3.65	0.28	8.31%
Block 3	3.59	3.87	0.28	7.80%

**Rate Structure**

Block	Current
<b>Flat Rate</b>	All Usage
<b>Block 1</b>	1 CCF- Target Budget
<b>Block 2</b>	Target Budget up to 300% of Target Budget
<b>Block 3</b>	Over 300% of Target Budget

\* "Target budget" means the estimated amount of water consumed per acre, as established by the Public Utilities Director or his/her designee each year for customer based on factors including, but not limited to, evapotranspiration, and considering efficient water practices. A different target budget is established for each month of the irrigation season.

## Proposed Water Rate Change Customer Impacts

### Water Rate Change Annual Impact on Select City Customers

Account Type	Annual Usage	Meter Size	2021	2022	\$ Change	% Change
			Current Rate	Proposed Rate		
Residential Minimum Use	72 ccf	3/4	210.00	226.92	16.92	8.06%
Residential Low Use	96 ccf	3/4	242.88	262.44	19.56	8.05%
Residential Medium Use	255 ccf	3/4	556.95	601.80	44.85	8.05%
Residential High Use	838 ccf	1	2,016.94	2,182.24	165.30	8.20%
Industrial Use	96,476 ccf	2	155,257.60	167,877.40	12,619.80	8.13%
Commercial Use	11,597 ccf	2	18,227.45	19,701.73	1,474.28	8.09%

### Water Rate Change Monthly Impact on Select City Customers

Account Type	Monthly Usage	Meter Size	2021	2022	\$ Change	% Change
			Current Rate	Proposed Rate		
Residential Minimum Use	6 ccf	3/4	17.50	18.91	1.41	8.06%
Residential Low Use	8 ccf	3/4	20.24	21.87	1.63	8.05%
Residential Medium Use	21 ccf	3/4	46.41	50.15	3.74	8.05%
Residential High Use	70 ccf	1	168.08	181.85	13.78	8.20%
Industrial Use	8,040 ccf	2	12,938.13	13,989.78	1,051.65	8.13%
Commercial Use	966 ccf	2	1,518.95	1,641.81	122.86	8.09%

**Water Rate Change**  
**Annual Impact on Select County Customers**

Account Type	Annual Usage	Meter Size	2021	2022	\$ Change	% Change
			Current Rate	Proposed Rate		
Residential Minimum Use	72 ccf	3/4	283.50	306.34	22.84	8.06%
Residential Low Use	96 ccf	3/4	327.89	354.29	26.41	8.05%
Residential Medium Use	255 ccf	3/4	751.88	812.43	60.55	8.05%
Residential High Use	838 ccf	1	2,722.87	2,946.02	223.16	8.20%
Industrial Use	96,476 ccf	2	209,597.76	226,634.49	17,036.73	8.13%
Commercial Use	11,597 ccf	2	24,607.06	26,597.34	1,990.28	8.09%

**Water Rate Change**  
**Monthly Impact on Select County Customers**

Account Type	Monthly Usage	Meter Size	2021	2022	\$ Change	% Change
			Current Rate	Proposed Rate		
Residential Minimum Use	6 ccf	3/4	23.63	25.53	1.90	8.06%
Residential Low Use	8 ccf	3/4	27.32	29.52	2.20	8.05%
Residential Medium Use	21 ccf	3/4	62.66	67.70	5.05	8.05%
Residential High Use	70 ccf	1	226.91	245.50	18.60	8.20%
Industrial Use	8,040 ccf	2	17,466.48	18,886.21	1,419.73	8.13%
Commercial Use	966 ccf	2	2,050.59	2,216.44	165.86	8.09%

## Sewer Rate Change Comparisons

### **Comparison of Monthly Sewer Class Rate Changes**

#### **Flow \$ Per CCF**

Class	2021 Current Rate	2022 Proposed Rate	Current to Proposed	
			\$	%
1	2.70	3.19	0.49	18.1%
2	2.70	3.19	0.49	18.1%
3	2.70	3.19	0.49	18.1%
4	2.70	3.19	0.49	18.1%
5	2.70	3.19	0.49	18.1%
6	2.70	3.19	0.49	18.1%
7	Special Rate by Customer			

#### **BOD \$ Per CCF**

Class	2021 Current Rate	2022 Proposed Rate	Current to Proposed	
			\$	%
1	0.95	1.12	0.17	17.9%
2	1.55	1.83	0.28	18.1%
3	2.55	3.01	0.46	18.0%
4	3.65	4.31	0.66	18.1%
5	4.58	5.40	0.82	17.9%
6	5.64	6.66	1.02	18.1%
7	Special Rate by Customer			

#### **TSS \$ Per CCF**

Class	2021 Current Rate	2022 Proposed Rate	Current to Proposed	
			\$	%
1	0.69	0.82	0.13	18.8%
2	1.39	1.64	0.25	18.0%
3	2.37	2.80	0.43	18.1%
4	3.23	3.81	0.58	18.0%
5	4.20	4.96	0.76	18.1%
6	5.09	6.00	0.91	17.9%
7	Special Rate by Customer			

### Total Sewer Rate Per CCF

Class	2021 Current Rate	2022 Proposed Rate	Current to Proposed	
			\$	%
1	4.34	5.13	0.79	18.2%
2	5.64	6.66	1.02	18.1%
3	7.62	9.00	1.38	18.1%
4	9.58	11.31	1.73	18.1%
5	11.48	13.55	2.07	18.0%
6	13.43	15.85	2.42	18.0%
7	Special Rate by Customer			

### Class Structure

Block	BOD Strength mg/l	TSS Strength mg/l
1	0-300	0-300
2	300-600	300-600
3	600-900	600-900
4	900-1200	900-1200
5	1200-1500	1200-1500
6	1500-1800	1500-1800
7	>1800	>1800

\*Current Minimum charge is \$8.68. Proposed minimum charge is \$10.26



## Proposed Sewer Rate Change Customer Impacts

### **Sewer Rate Change Annual Impact on Select City Customers**

Account Type	Annualized Average Winter Water Usage (CCF)	2021	2022	\$ Changes	% Change
		Current Rate	Proposed Rate		
Residential Minimum Use	24 ccf	104.16	123.12	18.96	18.20%
Residential Low Use	48 ccf	208.32	246.24	37.92	18.20%
Residential Medium Use	96 ccf	416.64	492.48	75.84	18.20%
Residential High Use	180 ccf	781.20	923.40	142.20	18.20%
Industrial 2,4	24,168 ccf	277,448.64	327,476.40	50,027.76	18.03%
Commercial 2,1	408 ccf	5,479.44	6,466.80	987.36	18.02%

\*Industrial & Commercial charges are calculated based on flow rate, BOD and TSS

### **Sewer Rate Change Monthly Impact on Select City Customers**

Account Type	Annualized Average Winter Water Usage (CCF)	2021	2022	\$ Changes	% Change
		Current Rate	Proposed Rate		
Residential Minimum Use	2 ccf	8.68	10.26	1.58	18.20%
Residential Low Use	4 ccf	17.36	20.52	3.16	18.20%
Residential Medium Use	8 ccf	34.72	41.04	6.32	18.20%
Residential High Use	15 ccf	65.10	76.95	11.85	18.20%
Industrial 2, 4	2,014 ccf	23,120.72	27,289.70	4,168.98	18.03%
Commercial 2,1	34 ccf	456.62	538.90	82.28	18.02%

\*Industrial & Commercial charges are calculated based on flow rate, BOD and TSS

## Stormwater Rate Change Comparisons

### **Comparison of Monthly Stormwater Rate Changes**

Account Type	ERUs	2021	2022	Changes Current to Proposed	
		Current Rate	Proposed Rate	\$	%
Single and Duplex <.25 Acre	All ERU	5.43	5.98	0.55	10.13%
Single and Duplex >.25 Acre	All ERU	7.60	8.36	0.76	10.00%
Triplex and Fourplex	All ERU	10.87	11.96	1.09	10.03%
All other Parcels	Per ERU	5.43	5.98	0.55	10.13%

\*1 ERU = 1 residential property or 75 feet of street frontage for non-residential properties

## Proposed Stormwater Rate Change Customer Impacts

### **Stormwater Rate Change Annual Impact on Select City Customers**

Account Type	ERUs	2021	2022	Changes Current to Proposed	
		Current Rate	Proposed Rate	\$	%
Residential less than .25 Acre	Any ERU	65.16	71.76	6.60	10.13%
Residential more than .25 Acre	Any ERU	91.20	100.32	9.12	10.00%
Industrial*	300 ERU	1,629.00	1,794.00	165.00	10.13%
Commercial	120 ERU	651.60	717.60	66.00	10.13%

### **Stormwater Rate Change Monthly Impact on Select City Customers**

Account Type	ERUs	2021	2022	Changes Current to Proposed	
		Current Rate	Proposed Rate	\$	%
Residential less than .25 Acre	Any ERU	5.43	5.98	0.55	10.13%
Residential more than .25 Acre	Any ERU	7.60	8.36	0.76	10.00%
Industrial	25 ERU	135.75	149.50	13.75	10.13%
Commercial	10 ERU	54.30	59.80	5.50	10.13%

## **APPENDIX B: Supplemental Information**

# Water Rates Compared With Nearby States

RANKING	<i>Comparison of Recognizable Cities in Western States</i> City, State	AVERAGE MONTHLY CHARGES
1	FLAGSTAFF, ARIZONA	\$130.84
2	BOISE, IDAHO	\$73.30
3	CHEYENNE, WYOMING	\$69.78
4	DENVER, COLORADO	\$58.61
5	RENO, NEVADA	\$51.14
6	LAS VEGAS, NEVADA	\$46.70
7	PHOENIX, ARIZONA	\$44.56
	<b>SALT LAKE CITY, UTAH (Proposed) 8%</b>	\$40.17
8	<b>SALT LAKE CITY, UTAH (Current)</b>	\$37.17
9	HENDERSEN, NEVADA	\$27.29

Cities compared with 7,480 gallons per month and 24,000 gallons summer usage  
Based on eight months Winter and four months Summer usage

# Sewer Rates Compared With Nearby States

RANKING	COMPARISON OF RECONIZABLE CITIES IN WESTERN STATES City, State	AVERAGE MONTHLY CHARGES
1	RENO, NV	\$49.53
2	BOISE, ID **	46.72
3	<b>SALT LAKE CITY (Proposed)</b>	<b>41.05</b>
4	PHOENIX, AZ **	39.50
5	LAS VEGAS, NV	38.90
6	<b>SALT LAKE CITY</b>	<b>34.71</b>
7	FLAGSTAFF, AZ	32.01
8	CHEYENNE, WY **	30.82
9	DENVER, CO	28.96
10	HENDERSON, NV	25.78

Annual costs based on 12 months @ 5,984 gallons per month average winter water consumption

\*\* includes Monthly base rate

# Sewer Rates Compared With Local Cities

		ANNUAL
RANKING	CITY OR DISTRICT NAME	CHARGE *
1	CITY OF SOUTH SALT LAKE	646.27
	<b>SALT LAKE CITY (Proposed)</b>	<b>492.48</b>
2	<b>SALT LAKE CITY (Current)</b>	<b>416.49</b>
3	MAGNA CITY	416.19
4	WEST JORDAN CITY **	411.21
5	KEARNS IMPROVEMENT DISTRICT **	389.21
6	OGDEN CITY	386.40
7	MURRAY CITY **	357.17
8	GRANGER - HUNTER IMPROVEMENT DISTRICT	342.75
9	MIDVALLEY IMPROVEMENT DISTRICT	332.09
10	SOUTH VALLEY SEWER DISTRICT	329.81
11	TAYLORSVILLE-BENNION IMPROVEMENT DISTRICT **	281.28
12	COTTONWOOD IMPROVEMENT DISTRICT	257.71
13	SANDY SUBURBAN IMPROVEMENT DISTRICT	246.81
14	MT OLYMPUS IMPROVEMENT DISTRICT	231.28
15	SOUTH DAVIS SEWER DISTRICT	189.86

\* Annual cost based on 12 months @5,984 gallons per month average winter consumption. Flat rate based on monthly rate multiplied by 12.

\*\* Includes monthly base rate`

# Stormwater Rates Compared with Local Cities

RANKING	CITY NAME	CURRENT RATE
1	PLEASANT GROVE	14.41
2	PROVO	10.75
3	DRAPER CITY	9.00
4	OGDEN CITY	8.32
5	SOUTH JORDAN CITY	7.15
6	BOUNTIFUL CITY	7.00
7	MURRAY CITY	6.30
8	AMERICAN FORK	6.00
9	SANDY CITY	6.00
	<b>SALT LAKE CITY (PROPOSED)</b>	<b>5.98</b>
10	WEST JORDAN CITY	5.86
11	<b>SALT LAKE CITY (Current)</b>	<b>5.43</b>
12	OREM	4.75
13	TAYLORSVILLE CITY	4.00



# Public Utilities Department

## Local Area Water Rate Comparison - November 2020

(Highest to Lowest Ranking)

RANKING	CITY OR DISTRICT NAME	MONTHLY MINIMUM CHARGE	MINIMUM ALLOWANCE IN GALLONS	RATE OVER MINIMUM ALLOWANCE	PER GALLONS	MONTHLY FLOURIDE CHARGE	WINTER @ 7,480 GAL PER MONTH	SUMMER @ 23,936 GAL PER MONTH	TOTAL WINTER CHARGES*	TOTAL SUMMER CHARGES*	YEARLY TAX ON \$200,000 PROPERTY	TOTAL CHARGES
1	PARK CITY - GRADUATED RATES (1)	52.07	0	6.49 - 10.94	1,000		110.31	286.28	882.50	1145.12		2027.62
2	AMERICAN FORK - GRADUATED RATES (2)	16.49	3,000	3.59 - 5.06	1,000		33.65	115.80	269.23	463.18		732.41
3	DRAPER CITY - GRADUATED RATES (3)	20.25	0	2.05 - 3.71	1,000		39.08	97.00	312.65	388.01		700.66
4	SOUTH JORDAN CITY - GRADUATED RATES (4)	30.00	0	2.00 - 2.50	1,000		45.33	84.09	362.64	336.36		699.00
5	WEST JORDAN CITY (11)	20.00	0	2.25 - 3.85	1,000		37.50	98.35	300.02	393.41		693.43
6	PLEASANT GROVE - GRADUATED RATES (6)	22.94	5,000	2.78 - 5.81	1,000		29.83	109.06	238.68	436.23		674.91
	SALT LAKE CITY - OUTSIDE OF CITY (Proposed)	13.54	0	2.00 - 3.79	748		33.54	95.72	268.32	382.88		651.20
7	OGDEN CITY - GRADUATED RATES (7)	22.55	0	1.90 - 2.91	1,000		38.26	88.28	306.05	353.12		659.18
8	RIVERTON CITY - GRADUATED RATES (5)	2.50	0	3.76 - 3.91	1,000		31.00	95.34	247.97	381.36		629.33
9	SALT LAKE CITY - OUTSIDE OF CITY	12.53	0	1.84 - 3.50	748		30.93	88.33	247.44	353.32		600.76
10	SANDY CITY - OUTSIDE OF CITY (8)	19.95	0	1.80 - 2.75	1,000		34.82	80.07	278.56	320.30		598.86
11	MAGNA - GRADUATED RATES (10)	18.10	6,000	2.08 - 2.65	1,000	1.02	22.20	57.91	177.59	231.64	207.29	616.52
12	KEARNS IMPROVEMENT DIST-GRADUATED RATES (9)	11.60	0	2.33 - 2.92	1,000		29.03	75.59	232.23	302.37	45.23	579.83
13	SANDY CITY - INSIDE OF CITY (12)	14.43	0	1.64 - 2.53	1,000		28.01	69.65	224.12	278.59	32.67	535.38
	SALT LAKE CITY - INSIDE OF CITY (Proposed)	10.03	0	1.48 - 2.81	748		24.83	70.85	198.64	283.40	29.15	511.19
14	SALT LAKE CITY - INSIDE OF CITY (13)	9.28	0	1.37 - 2.59	748		22.98	65.56	183.84	262.24	31.79	475.23
15	GRANGER - HUNTER IMPROVEMENT DISTRICT (14)	13.00	0	1.77 - 2.05	1,000		26.30	58.91	210.42	235.64	24.75	470.80
16	BOUNTIFUL CITY - RESIDENTIAL HIGH ELEVATION	23.57	5,000	1.98	1,000		28.48	61.06	227.84	244.25		472.10
17	CITY OF SOUTH SALT LAKE	19.00	5,000	2.25	1,000	2.00	26.58	63.61	212.64	254.42		467.06
18	PROVO	17.70	0	1.01 - 1.67	1,000		25.25	57.67	202.04	230.69		432.73
19	BOUNTIFUL CITY - RESIDENTIAL LOW ELEVATION	21.39	5,000	1.79	1,000		25.83	55.29	206.63	221.14		427.78
20	JVWCD	3.00	0	1.85 - 2.74	1,000		16.84	57.90	134.70	231.62	40.26	406.58
21	OREM - GRADUATED RATES (17)	20.20	0	0.98 - 1.22	1,000		27.53	46.76	220.24	187.05		407.29
22	MURRAY CITY - GRADUATED RATES (16)	11.24	0	1.07 - 1.57	748		22.38	52.72	179.04	210.88		389.92
23	TAYLORSVILLE/BENNION IMPROVEMENT DISTRICT (15)	9.00	0	1.43 - 1.87	1,000		20.35	51.12	162.78	204.48	6.16	373.42

# Public Utilities Department

## Local Area Water Rate Comparison - November 2020 Continued

(Highest to Lowest Ranking)

### CALCULATION OF COMPARISONS

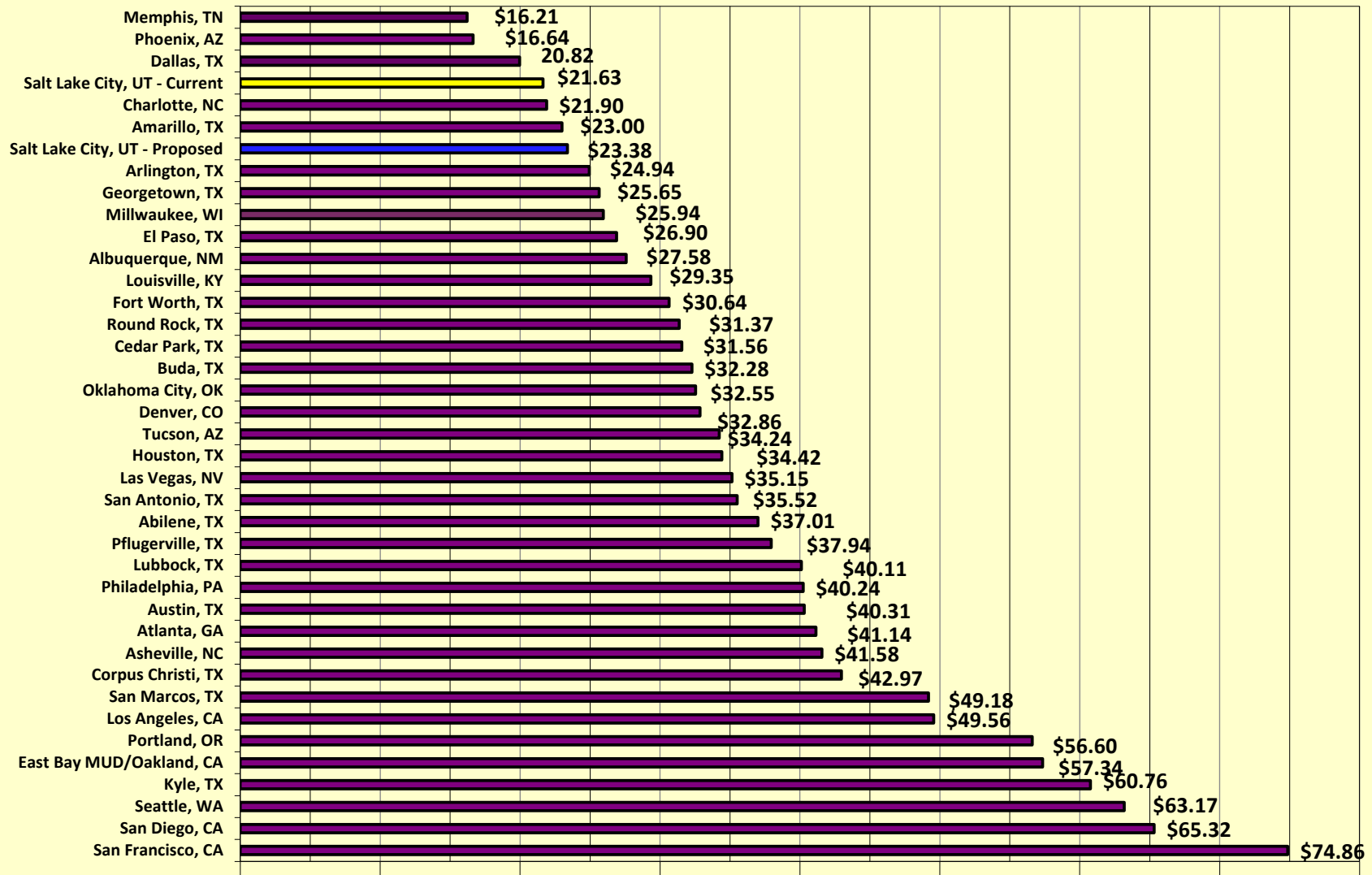
*\* BASED ON EIGHT MONTHS WINTER AND FOUR MONTHS SUMMER*

- (1) RATES ARE \$6.49/THOUSAND FOR 0-5,000 GALLONS, \$10.40/THOUSAND FOR 5,001-15,000 GALLONS, & \$10.94/THOUSAND FOR 15,001-25,000 GALLONS*
- (2) RATES ARE \$16.49 FOR 0-3,000 GALLONS, \$3.59/THOUSAND FOR 3,001-6,000 GALLONS, \$4.32/THOUSAND FOR 6,000-9,000 GAL & \$5.06/THOUSAND OVER 9,000 GALLONS*
- (3) RATES ARE \$2.05/THOUSAND FOR 0-5,000 GALLONS, \$3.46/THOUSAND FOR 5,001-20,000 GALLONS, & \$3.71/THOUSAND FOR 20,001-50,000 GALLONS*
- (4) RATES ARE \$2.00/THOUSAND FOR 0-6,000 GALLONS, \$2.25/THOUSAND FOR 6,001-17,000 GALLONS & \$2.50/THOUSAND FOR 17,001 - 42,000 GALLONS*
- (5) RATES ARE \$3.76 FOR 0-5,000 GALLONS & \$3.91/THOUSAND OVER 5,000 GALLONS*
- (6) RATES ARE \$22.94 FOR 0-5,000 GALLONS, \$2.78/THOUSAND FOR 5,001-10,000 GALLONS, \$4.06/THOUSAND FOR 10,001-15,000 GALLONS & \$5.81/THOUSAND OVER 15,000 GALLONS*
- (7) RATES ARE \$1.90/THOUSAND FOR 0-6,000 GALLONS & \$2.91/THOUSAND FOR 6,001-42,000 GALLONS*
- (8) RATES ARE \$1.80/THOUSAND FOR 0-6,000 GALLONS & \$2.75/THOUSAND FOR 6,001-40,000 GALLONS*
- (9) RATES ARE \$2.33/THOUSAND FOR 0-10,000 GALLONS & \$2.92/THOUSAND FOR 10,001-25,000 GALLONS*
- (10) RATES ARE \$2.08/THOUSAND FOR 0-6,000 GALLONS, \$2.33/THOUSAND FOR 6,001-18,000 GALLONS, & \$2.65/THOUSAND FOR 18,000 - 35,000 GALLONS*
- (11) RATES ARE \$2.25/THOUSAND FOR 0-5,000 GALLONS, \$3.65/THOUSAND FOR 5,001-20,000 GALLONS, & \$3.85/THOUSAND FOR 20,001-50,000 GALLONS*
- (12) RATES ARE \$1.64 FOR 0-6,000 GALLONS, \$2.53/THOUSAND FOR 6,001-40,000 GALLONS*
- (13) INCLUDES METROPOLITAN WATER PROPERTY TAX*
- (14) RATES ARE \$1.77/THOUSAND FOR 0-7,000 GALLONS, \$1.90/THOUSAND FOR 7,001-15,000 GALLONS & \$2.05/THOUSAND FOR OVER 15,000 GALLONS*
- (15) RATES ARE \$1.43/THOUSAND FOR 0-6,000 GALLONS & \$1.87/THOUSAND FOR 6,001-25,000 GALLONS*
- (16) RATES ARE \$1.07/HUNDRED FOR 0-8 HCF, \$1.29/HUNDRED FOR 9-25 HCF & \$1.57/HUNDRED FOR 26-49 HCF*
- (17) RATES ARE \$.98/THOUSAND FOR 0-11,000 GALLONS, \$1.22/THOUSAND FOR 11,001-34,000 GALLONS*

# AVERAGE MONTHLY BILL COMPARISON-WATER

## RESIDENTIAL CLASS

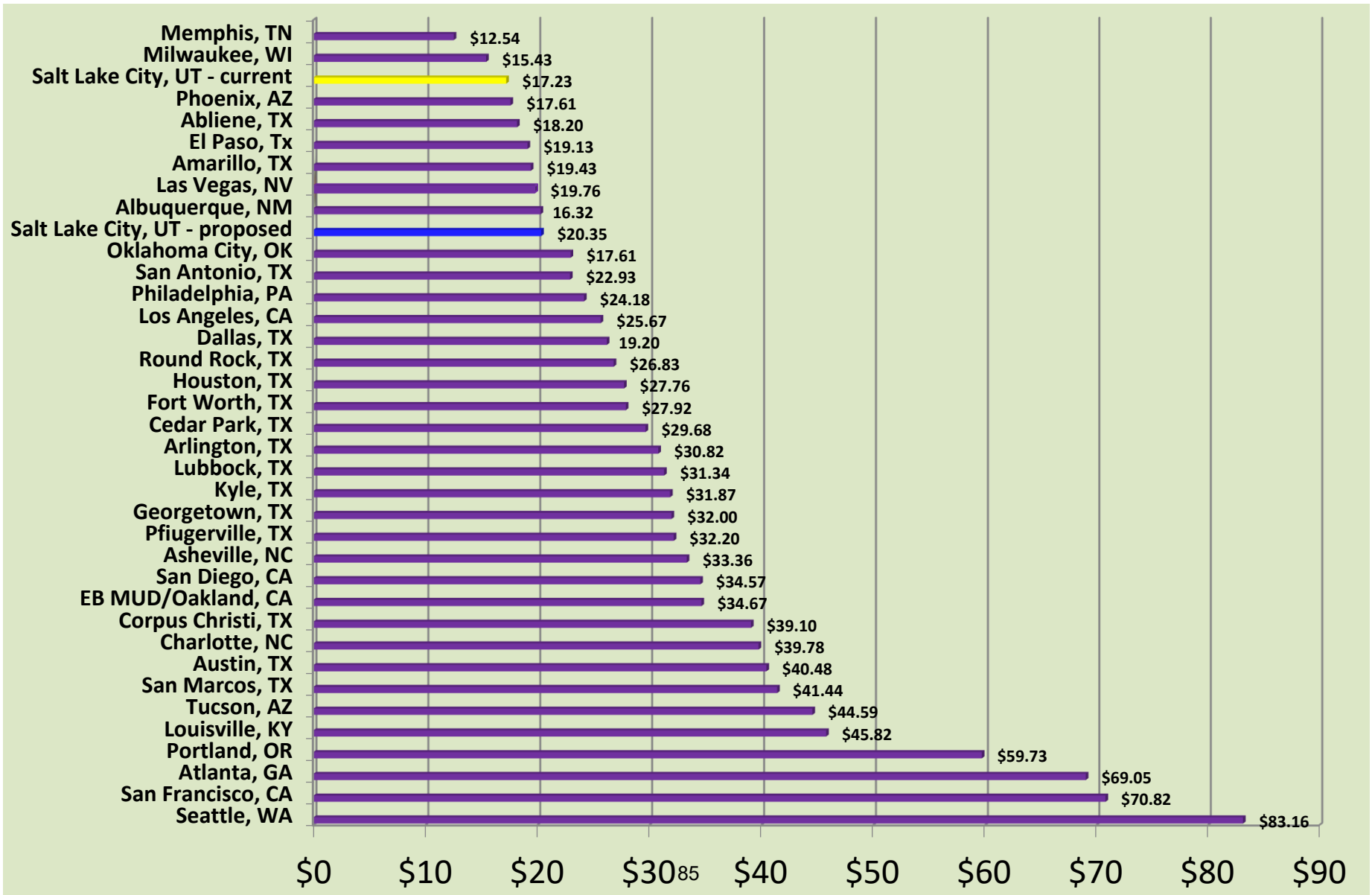
SLC Rates Current – Other City Rates as of March 2020 (Average of 5,800 gallons a month)



\$0 \$10 \$20 \$30 84 \$40 \$50 \$60 \$70 \$80

## Average Monthly Bill Comparison – Wastewater Residential

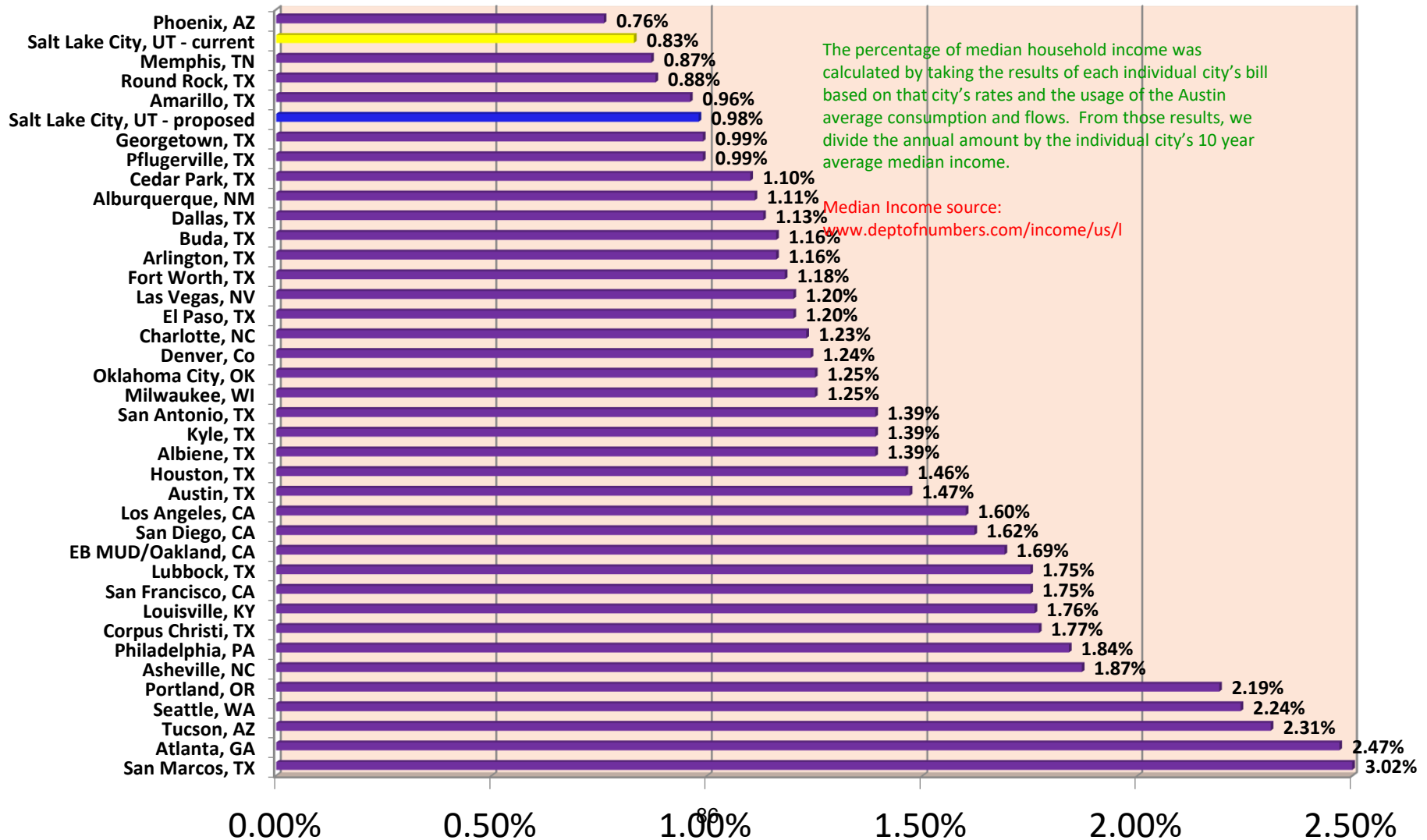
SLC Rates Current – Other City Rates as of March 2018 (Average of 4,000 Gallons of Flow)



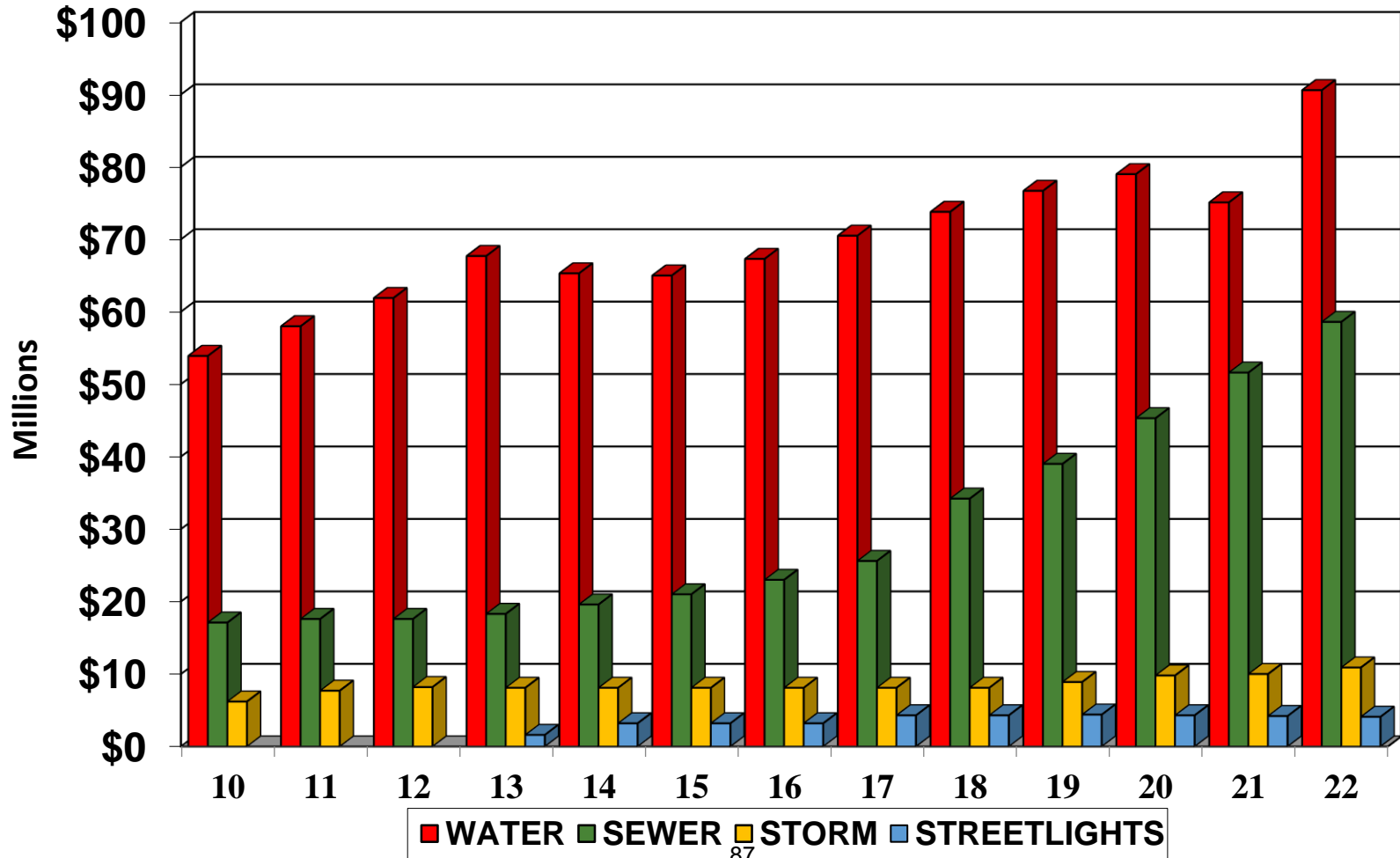
# Residential Water & Wastewater Bill

## Percent of Median Household Income

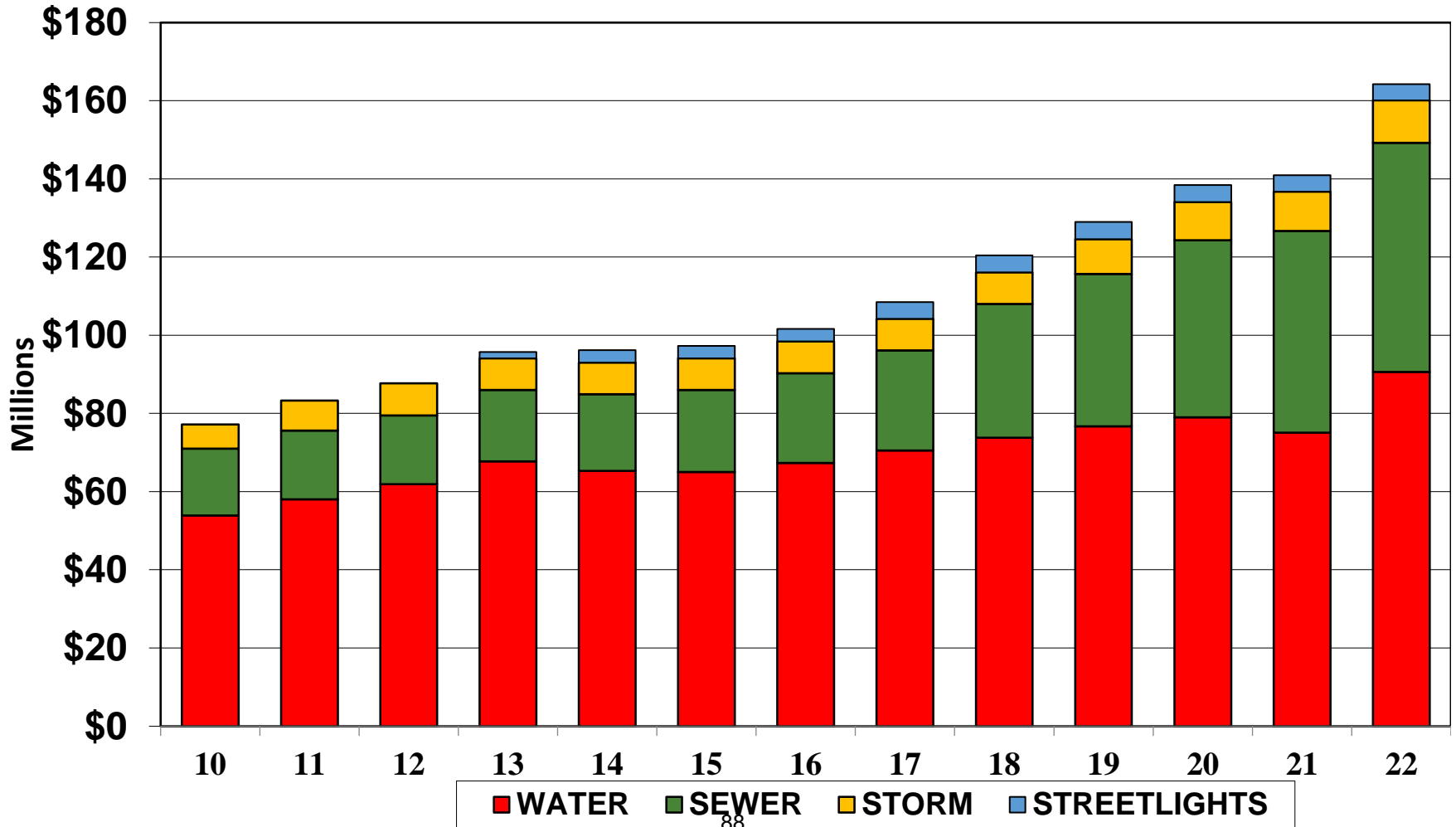
(Austin Average Consumption & Flows as of March 2018 )



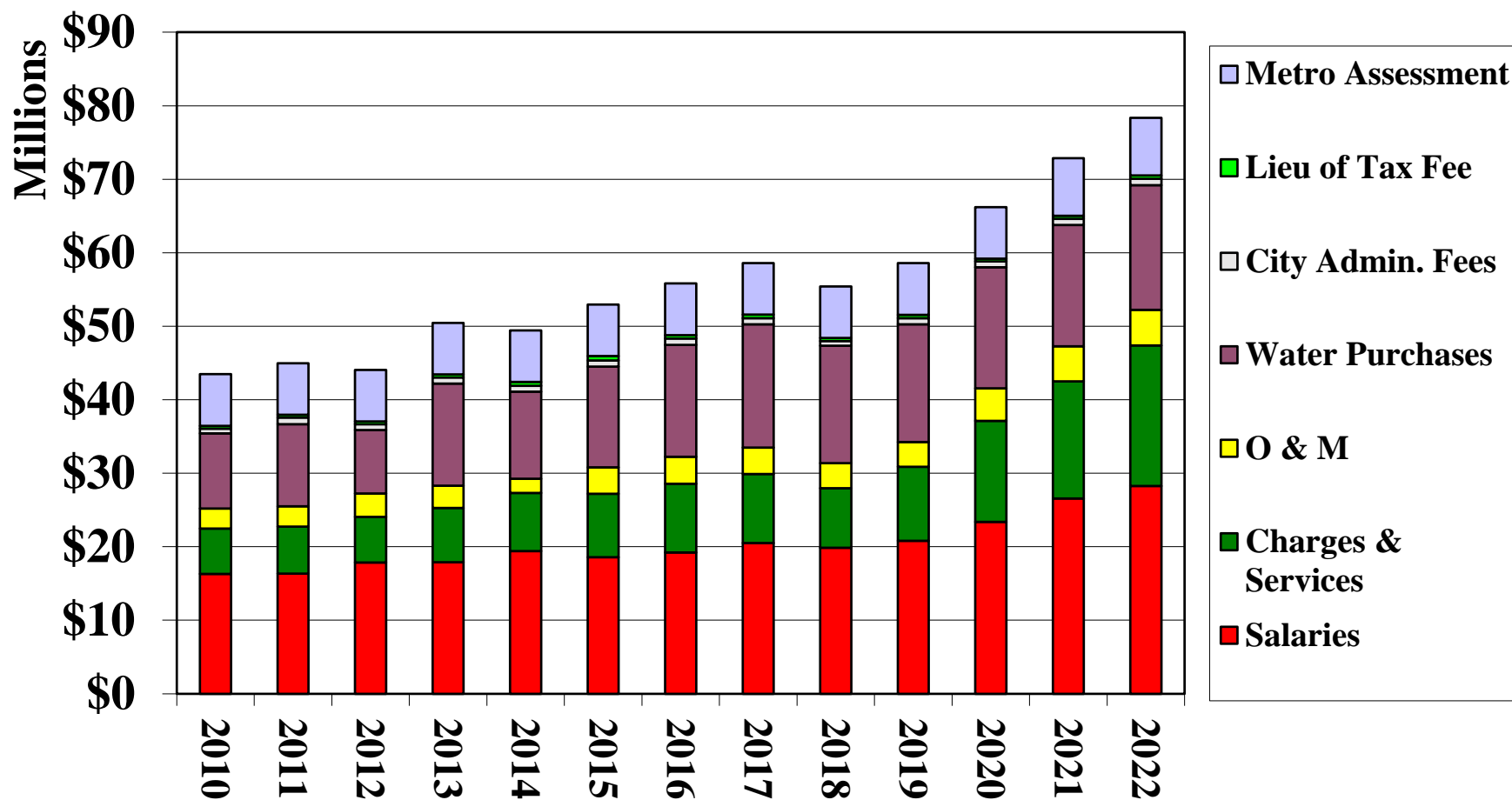
# Public Utilities Operating Revenue



# Public Utilities Operating Revenue

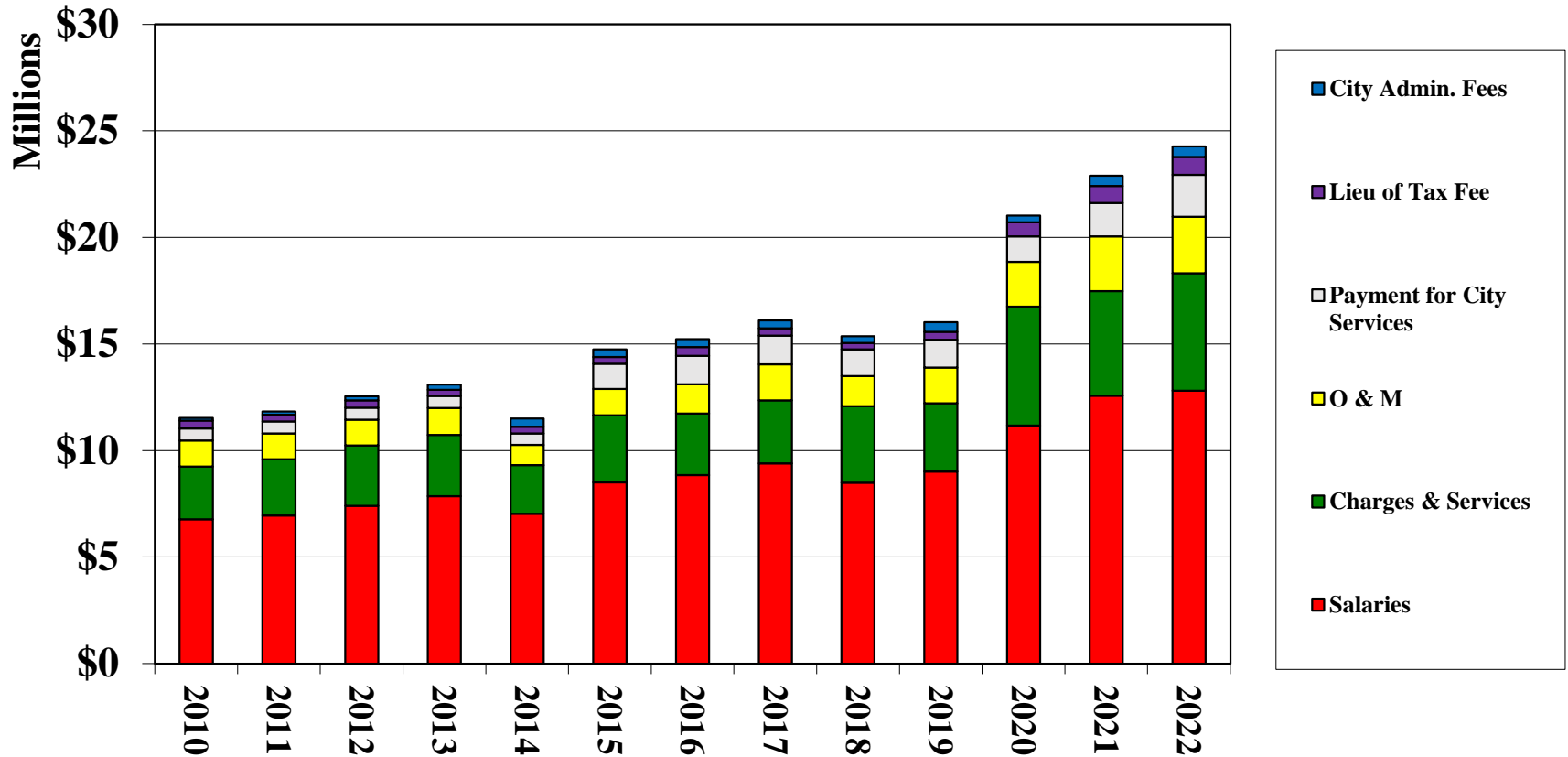


# WATER UTILITY OPERATING COSTS

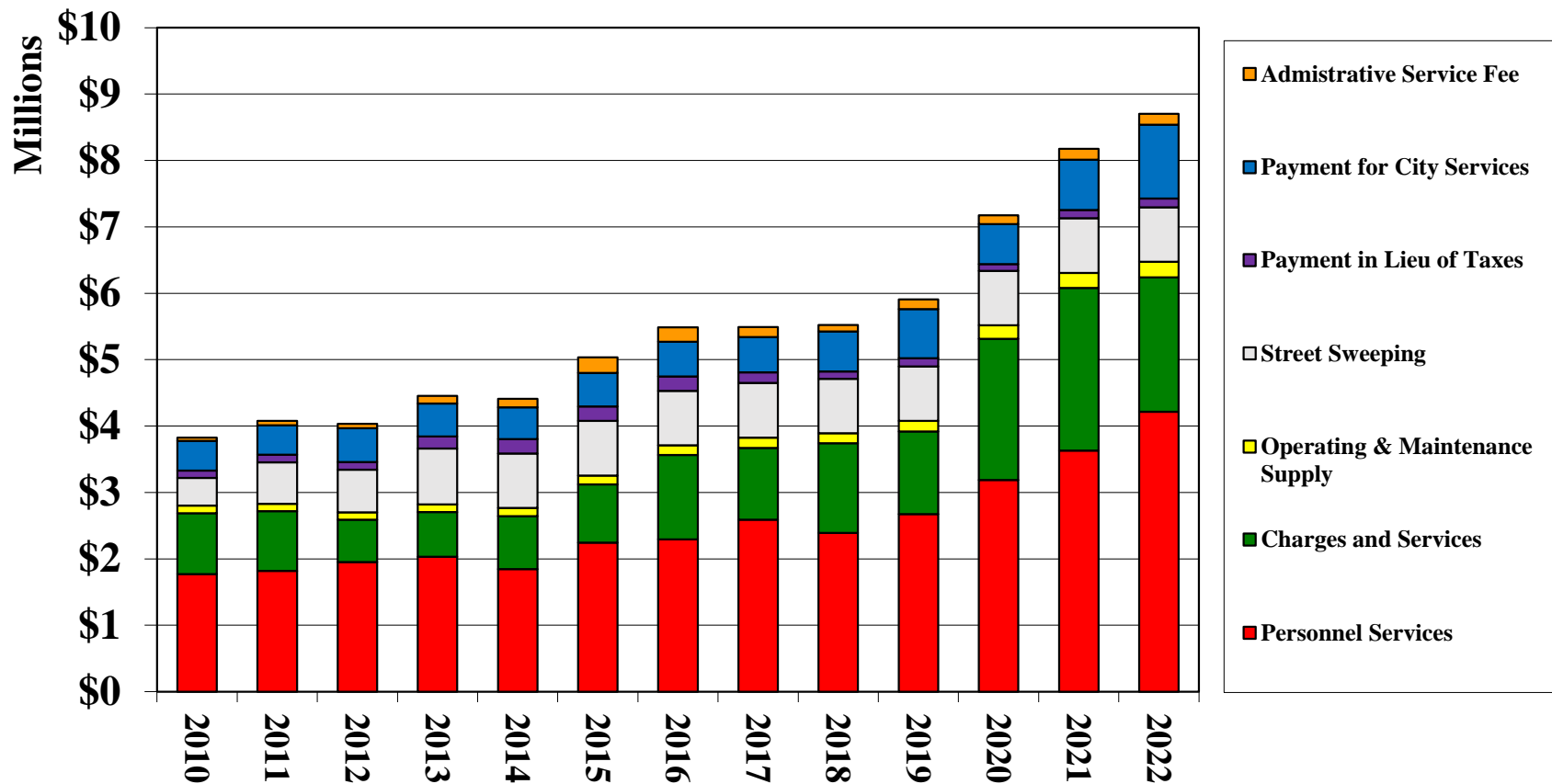




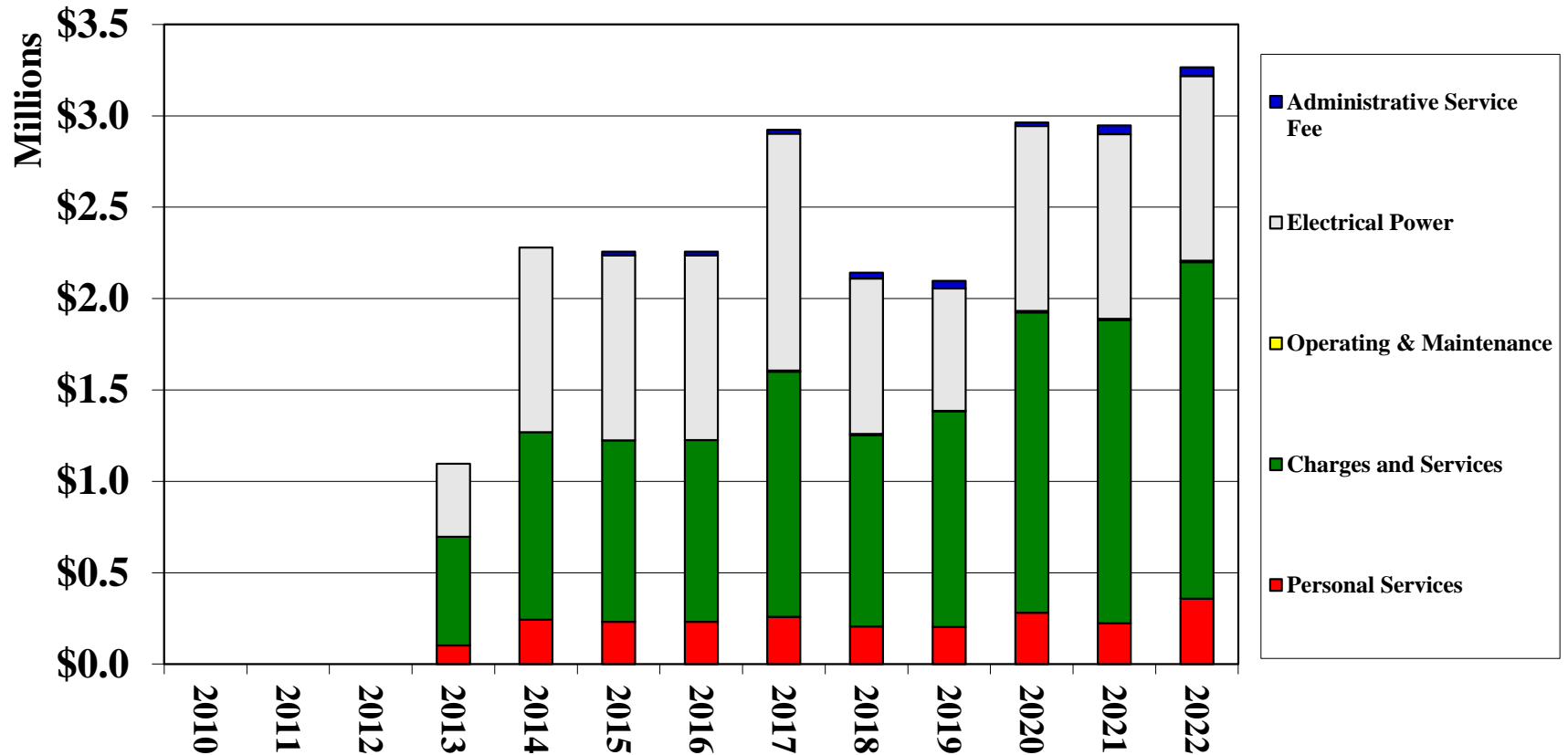
# SEWER UTILITY OPERATING COSTS



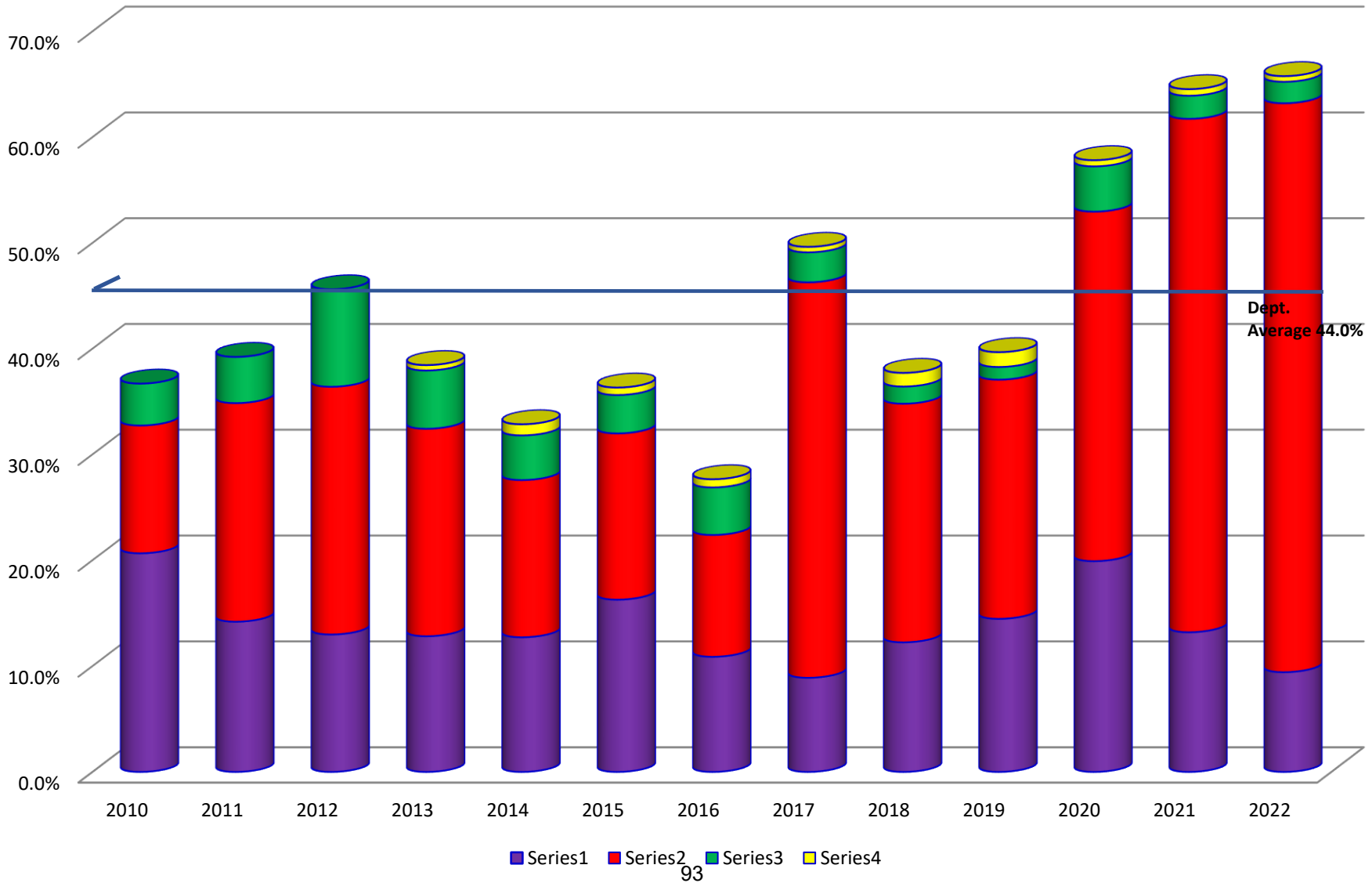
# STORM WATER UTILITY OPERATING COSTS



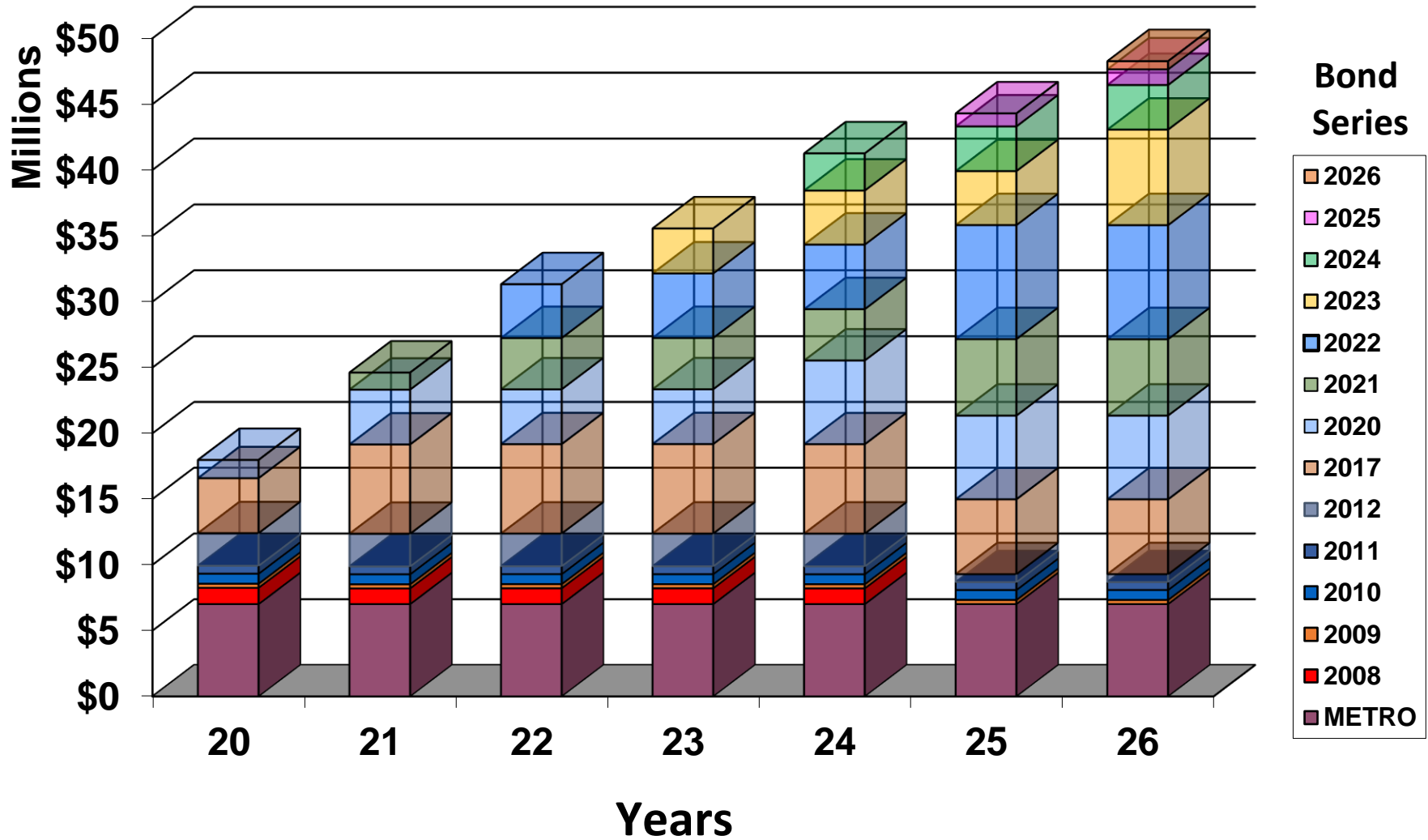
# STREET LIGHTING UTILITY OPERATING COSTS



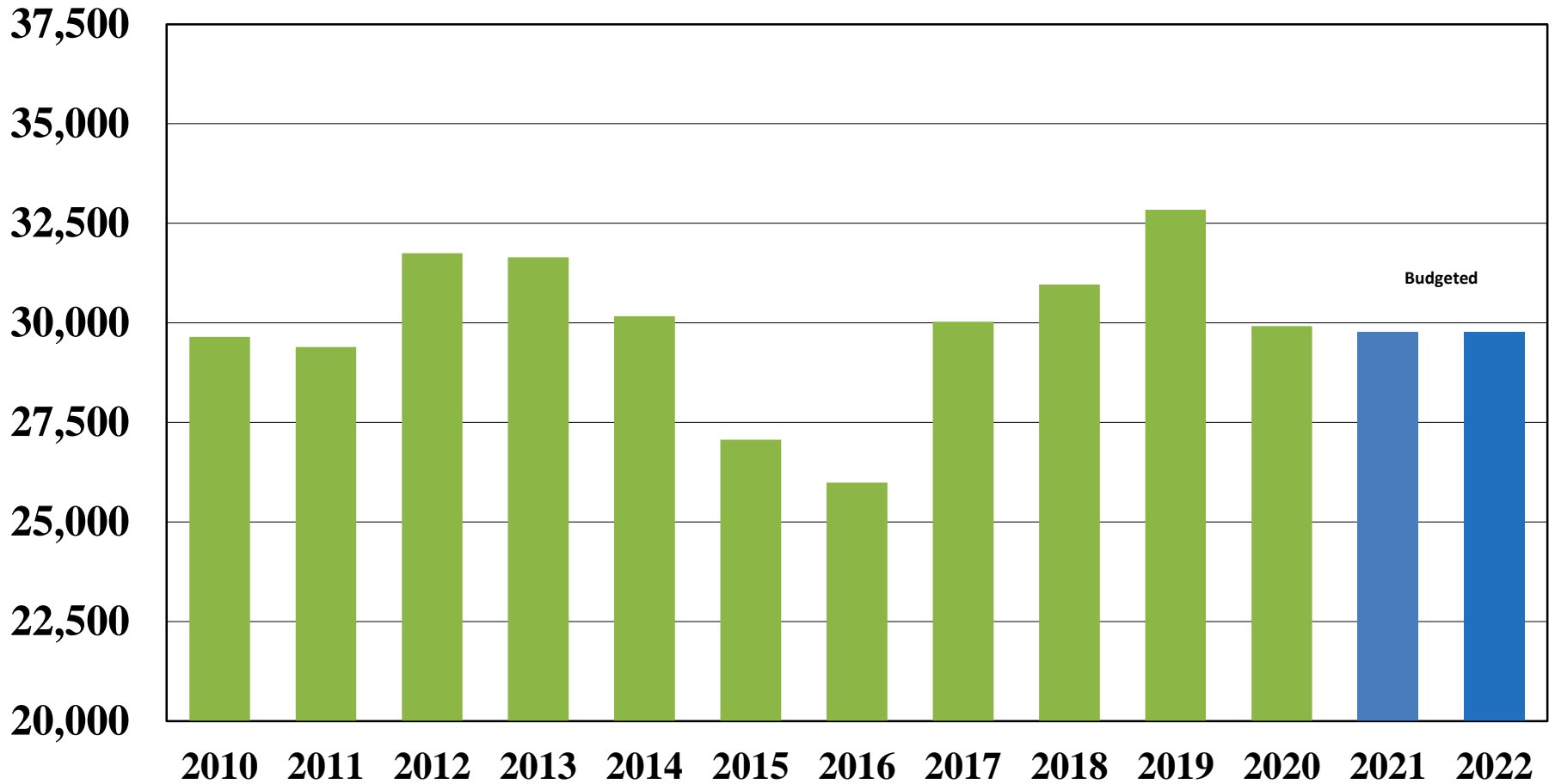
## Public Utilities CIP Budget as a Percent of Department Requested Budget



# Public Utilities Proposed Debt Service Schedule and Metropolitan Water Assessment

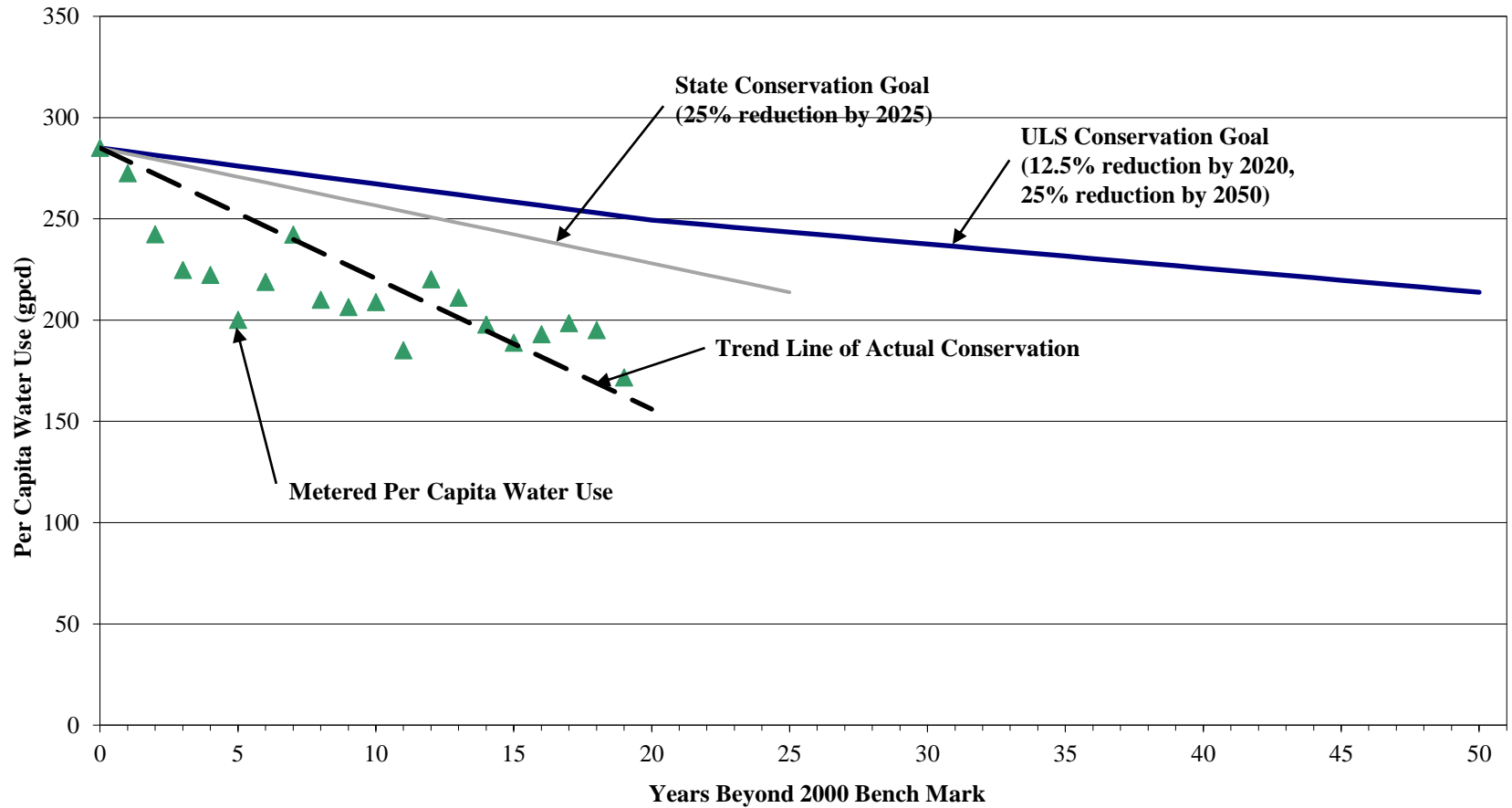


# MILLION GALLONS DELIVERED BY YEAR



## Figure 1 - Salt Lake City Conservation Trend

Documentation of Conservation Performance  
Metropolitan Water District of Salt Lake & Sandy

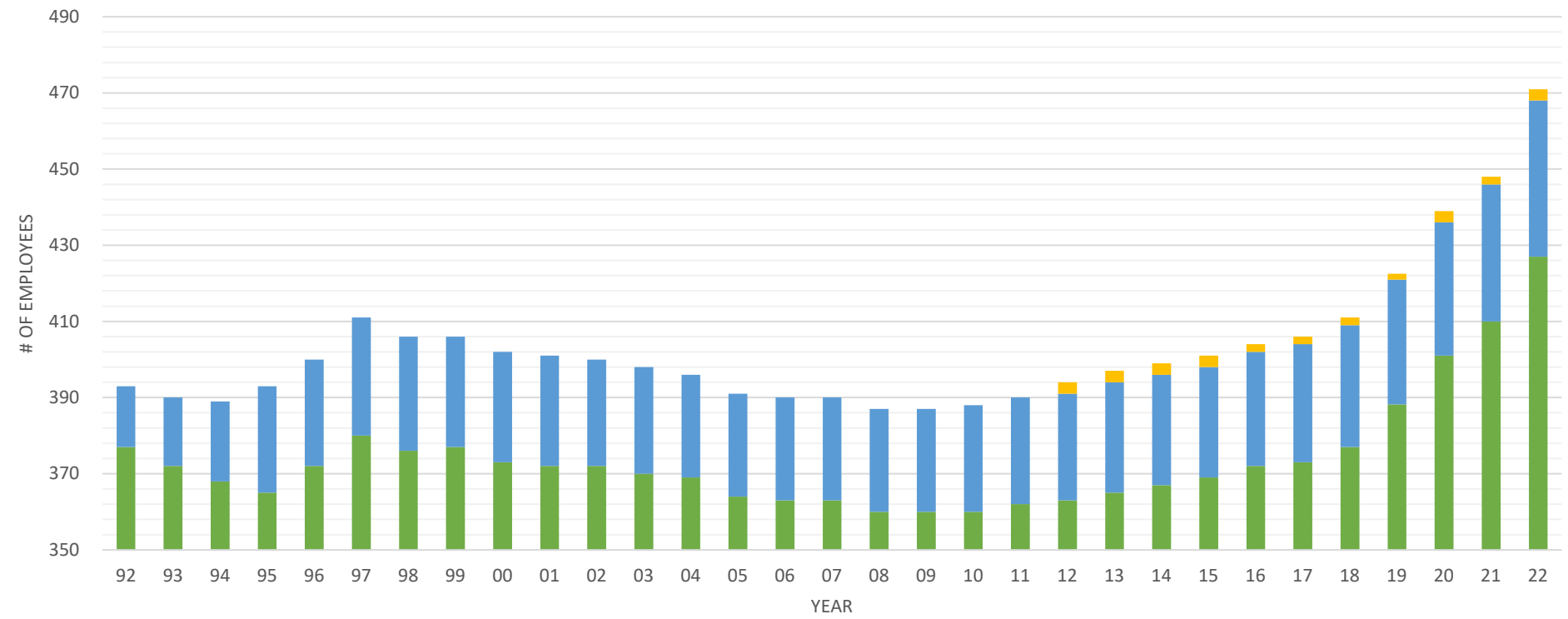


## Proposed Personnel Adjustments FY 21/22

	<u>TOTAL</u>	<u>WATER</u>	<u>SEWER</u>	<u>STORM WATER</u>	<u>STREET LIGHTING</u>
Prior FY Ending FTE Balances by Fund	447.50	286.10	123.44	36.42	1.54
<u>NEW POSITIONS REQUESTED FOR FY 21/22:</u>					
1) CONSERVATION TECHNICIAN	1.00	1.00			
2) CHIEF STRATEGY AND INNOVATIONS OFFICER	1.00	0.30	0.30	0.25	0.15
3) LOCATOR MANAGER	1.00	0.50	0.30	0.20	
4) PROJECT MANAGER	1.00	1.00			
5) WATERSHED RANGER	1.00	1.00			
6) LEAD AND COPPER SUPERVISOR	1.00	1.00			
7) DRAINAGE MAINTENANCE LEAD WORKER	1.00			1.00	
8) DRAINAGE MAINTENANCE WORKER III	1.00			1.00	
9) WASTEWATER LIFT STATION LEAD WORKER	1.00		1.00		
10) LANDSCAPE RESTORATION WORKER	1.00	1.00			
11) IRRIGATION OPERATOR II	1.00	1.00			
12) ENGINEER V	2.00	0.80	0.60	0.60	
13) ENGINEER IV	3.00	1.20	0.90	0.90	
14) ADMINISTRATIVE SECRETARY I	<u>1.00</u>	<u>0.50</u>	<u>0.25</u>	<u>0.25</u>	
New Full Time Employee's	17.00	9.30	3.35	4.20	0.15
TOTAL FTE'S WITH NEW POSITIONS ADDED	<u>464.50</u>	<u>295.40</u>	<u>126.79</u>	<u>40.62</u>	<u>1.69</u>
Changes made to Seasonal Employee's	6.00	5.50	0.25	0.25	
Changes made to FTE'S	0.00	-2.24	0.76	0.45	1.03
<b>Agency Totals for FY 2021/2022</b>	<b>470.50</b>	<b>298.66</b>	<b>127.80</b>	<b>41.32</b>	<b>2.72</b>



# Public Utilities Number of Employees By Fund By Fiscal Year



## **APPENDIX C: Rationale for New Positions**

This page left intentionally blank.



# MEMORANDUM

DEPARTMENT of PUBLIC UTILITIES  
ENGINEERING DIVISION

TO: Laura Briefer, Director of Public Utilities  
Jesse Stewart, Deputy Director of Public Utilities  
Lisa Tarufelli, Chief Finance Officer of Public Utilities

FROM: Jason Brown, P.E., Engineering Administrator

DATE: March 15, 2021

SUBJECT: Request for additional Engineering staff

---

This is an update to the original memorandum from 2017. We have been successful in obtaining a several new employees the need is still great.

The objective of this memorandum is to provide a business case evaluation and recommendation for additional staff for the Engineering group within Public Utilities. We present three justifications for increasing the in-house staff FTE's for the Engineering group:

## **BACKGROUND**

### **(1) The current and past CIP workload justifies more in-house staff.**

As stated in previous staffing requests, in 1994 Hughes, Heiss & Associates conducted an audit of the Engineering group. They recommended increasing the staff based on the CIP program funding at that time and concluded that using Consultants to fill in the production gap was not "cost effective".

The total CIP program for water/sewer/drainage in 1994 when the audit was conducted was under \$10M. Currently it is over \$100M (excluding the NEW WRF) and the number of FTE's has remained basically the same (Figure 1 & Figure 2) with some increases in the last several years. The demands on the current staff are increasing as public outreach, engagement and education are drawing away time that was typically allocated for design, construction and asset management. We have been able to temper some of these critical activities with advances in technologies but even with advances with technology, the technology requires additional staff time.

### **(2) In-house staff is less expensive than using Consultants for the CIP workload.**

The average cost of the existing Engineering staff including overhead (7.72%) and labor additive (56.36%) is \$51.68 per hour. The average hourly cost which will be charged by Consultants for project engineers based on the most recent General Services SOQ's is approximately \$160 per hour. Doing work with City staff is approximately a third of the cost of using a Consultant. With new staff position being limited, we have utilizing outside consultants for much of the additional inspection and design. This method of allows staff to manage approximately 2 to 4 times the number of projects depending on complexity. However, the costs to design and inspect the projects are generally 3 times more expensive because of reasons stated above. Currently we have 37 projects being managed by consultants with an average cost of approximately \$58,000 and a total cost of \$2,141,795. That translates into 28 DPU FTE or 8 consultant employees.

### **(3) The projected future CIP workload already projected in the approved 5-year budget justifies more in-house staff.**

The CIP budget levels is projected to increase based on the current condition and criticality of the aging infrastructure. As the Asset Management program continues to mature and evaluate the infrastructure

we are constantly prioritizing, re-prioritizing and categorizing every pipe, pump, well, manhole, valve, lift station, literally every asset that provides service to our customers. This systematic approach allows us to make sure that we are being fiscally responsible and constantly allows us to evaluate our approach to infrastructure replacement. We understand that capital funding is a limited resource and we want to make sure we are spending it on the right project at the right time and the time place. We are faced with an aging infrastructure, increasing demand, and increasing cost of work, Figures 3, 4 & 5. We must continually improve the condition of the infrastructure or we will continually be chasing breaks and the level of service will decrease.

**(4) Existing staff are jacks of all trades and masters of few.**

We have phenomenal staff. All of them share the desire to provide the rate payers with the highest quality services. They are responsible for evaluating and managing every aspect of a project from conception to completion. The major phases of project delivery are Asset management, Design and Construction. Asset Management is a systematic approach to inventory, evaluate criticality and determine condition of an asset. The results of this process is a list of projects with consistent evaluation of both criticality and condition. Design is the process of first developing a complete understanding of the project so a scope and estimated budget can be developed. Once the scope and budget are completed and the project has been awarded funding the project manager must further develop the scope, either with internal or external resources, to be able to complete a project manual (specifications and drawings) for bidding. After bidding the project manager is responsible, with the assistance of the inspection team, to make sure the project is constructed in accordance with the defined project manual and fee. The project manager has many different projects in all phases of delivery throughout the year.

**RECOMMENDATION**

We recommend that two new program level groups are created within Engineering based on the analysis discuss above. Specifically, we are recommending the following changes to the staffing document as outlined below. The changes that we are asking is for the creation of a Asset Management Program Manager and a Construction Program Manager. One of the primary objectives of these two positions is to relieve the burden of CM and AM from the existing staff so they can focus on the design phase of projects.

**Asset Management Program**

Every day our existing infrastructure gets a little older, Figure 3. Every year we have more projects than we have the ability to fund. The AMP workgroup will bring focus to a process that is very important to the development of the Capital Plan (CP). Within the first 6 months, the new AMP manager will review the existing AM efforts, and develop staffing and resource needs for future consideration. They will also assist in any current asset management efforts as well as make recommendations for the future asset management efforts. Through the development of the future needs this program many require future staffing.

This program will mainly be responsible to apply consistent asset management practices across all four enterprise funds and develop the annual CP.

**Construction Management Program**

We propose forming a Construction Management group (CM) to support our Capital Improvement Program (CIP). This group would reside in SLCDPU's Engineering group under management of the Chief Engineer. This new workgroup would be initiated by approving a new full-time employee to lead and develop this group. During the first 6 months this new manager would define the CM group including determining staffing and resources needed to support the CIP, review and refine existing in-house



construction management practices, mentor and support the existing construction efforts and evaluate the most effective structure for this group.

This group would be primarily responsible for project delivery after projects have been awarded for construction. This group would also provide constructability reviews prior to project being bid. Project delivery would include on-going coordination with the project manager, construction administration, public engagement and status updates to the administration.

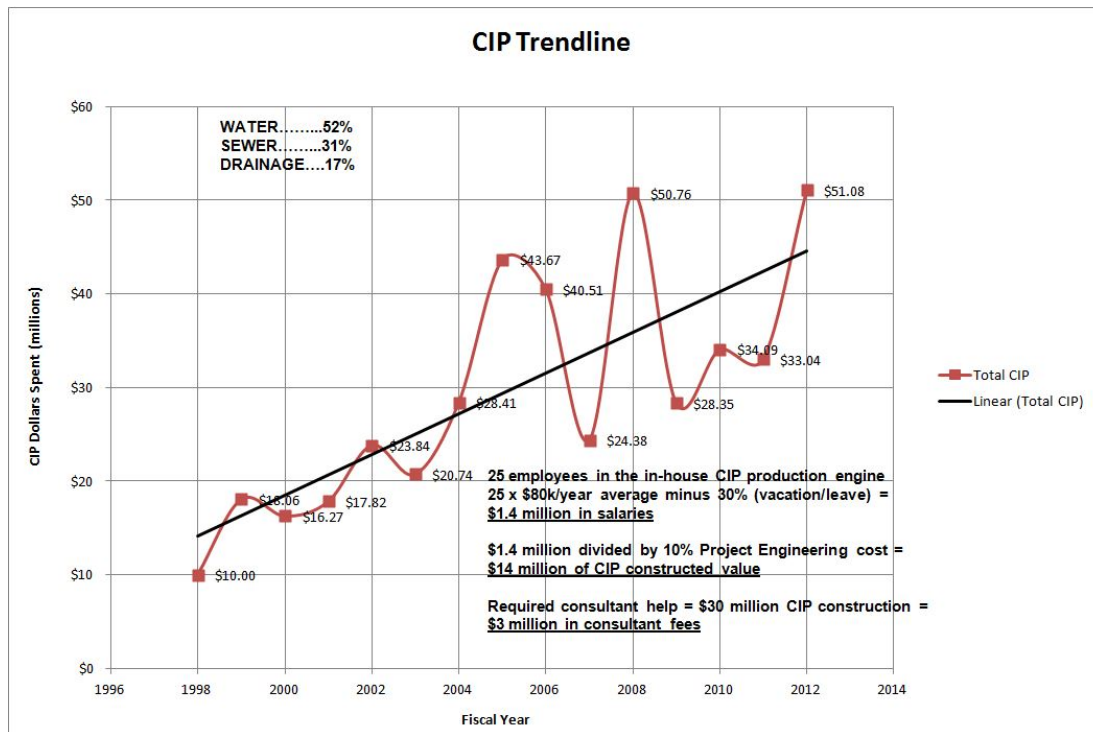


Figure 1 – CIP Trend line- Historic



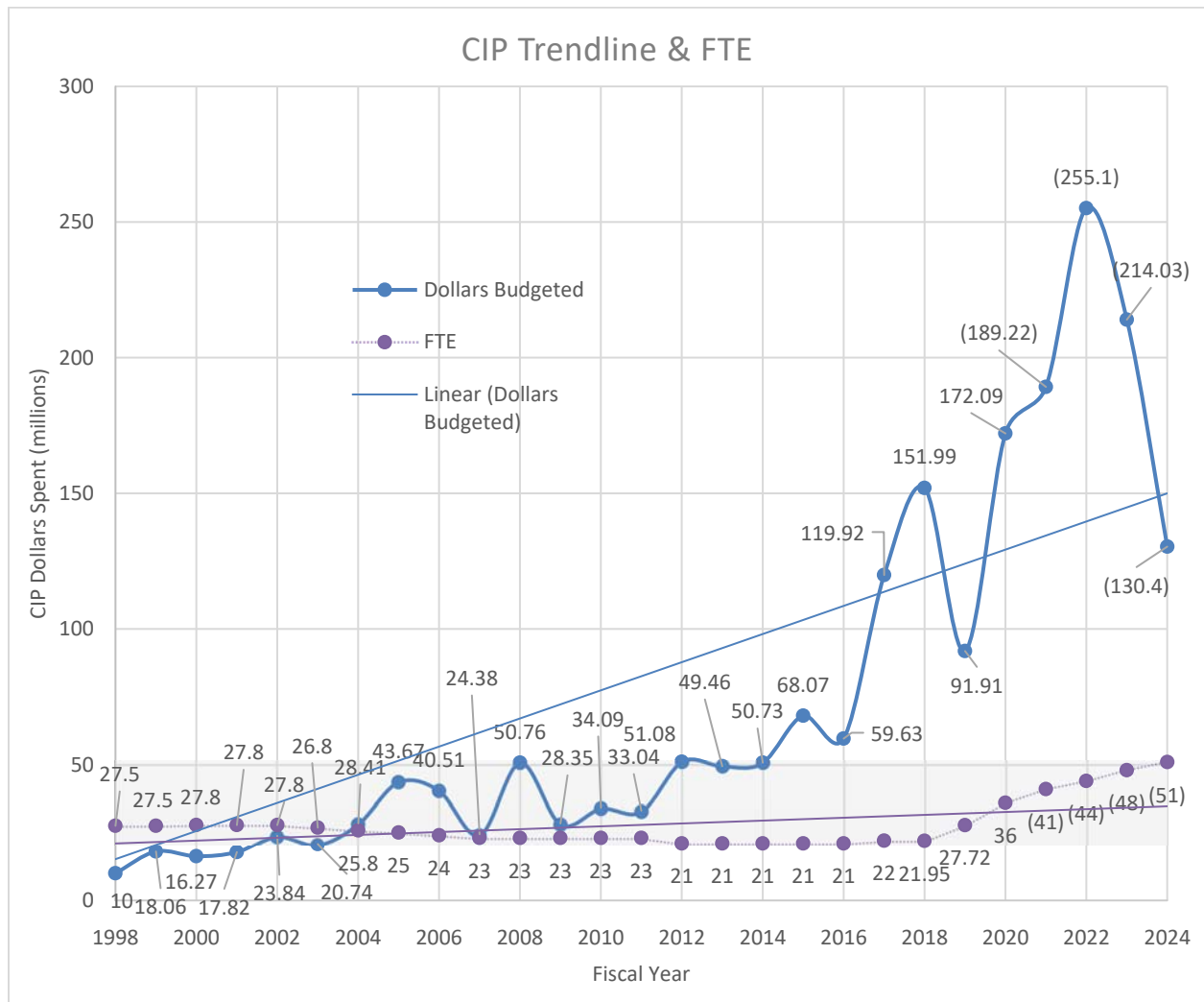


Figure 2 – CIP vs. Engineering group FTE staffing level



**LENGTH OF WATER PIPELINES IN SERVICE ON JUNE 30, 2019  
BY SIZE AND DECADE**

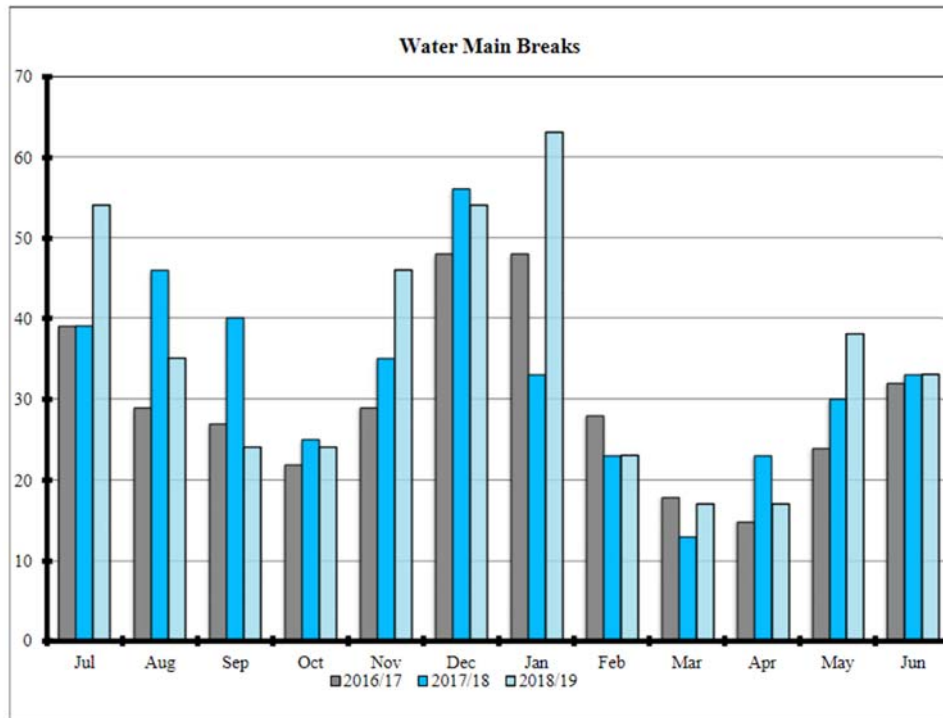
Pipe Size	Length of Water Main Placed in Service (feet)													
Diameter in Inches	Pre-1920	1920-1929	1930-1939	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2018	Age unknown	Length of Water Main (Feet)	
1	-	124	-	-	530	-	-	48	-	-	140	99	941	
1.5	-	-	-	-	252	-	-	-	-	-	-	227	479	
2	-	2,024	4,023	540	1,894	759	9	418	-	-	10	1,074	10,751	
3	13,282	1,567	4,769	-	-	67	-	1,819	-	450	7	817	22,778	
4	104,499	23,811	61,795	68,714	48,888	17,276	2,933	8,037	1,984	2,269	346	9,865	350,417	
6	773,734	215,465	145,497	341,940	461,297	362,054	359,435	170,768	123,683	12,656	3,003	36,507	3,006,039	
8	57,147	19,584	42,649	6,883	29,055	82,006	111,925	126,082	178,495	386,320	162,556	17,129	1,219,831	
9	-	-	-	-	-	-	-	-	918	-	-	-	918	
10	22,745	676	433	7,407	3,280	17,502	24,955	3,822	1,131	9,823	2,014	3,125	96,913	
12	41,036	13,919	31,732	35,118	47,951	130,586	224,995	133,578	184,742	241,175	137,654	17,422	1,239,908	
13	-	-	-	-	-	1,520	-	-	-	-	-	-	1,520	
14	-	-	1,088	-	4	191	598	-	430	1,643	447	8	4,409	
15	-	-	-	-	-	-	-	1,156	70	4,228	-	1,874	7,328	
16	13,587	8	4,778	43,444	27,727	6,542	32,359	30,674	43,093	32,800	13,328	1,419	249,759	
18	12,686	8,562	113	4,219	930	4,006	197	-	7,537	8,185	440	23,963	70,838	
20	5,375	-	4,668	4,159	10,625	33,754	8,423	15,608	3,589	2,707	18	1,643	90,569	
21	-	1,463	-	-	-	-	-	460	-	-	-	-	1,923	
22	-	-	-	2,276	-	572	-	-	-	-	-	-	2,848	
24	920	3,290	11	11	7,591	13,797	672	49,073	23,616	125	19	4,027	103,152	
27	-	-	-	-	-	-	-	-	53	-	-	-	53	
28	-	-	-	-	-	-	-	-	-	-	1,793	-	1,793	
30	9,329	-	-	-	36,614	12,574	6,224	23,894	3,070	2,610	758	3,671	98,744	
32	-	-	-	9,623	-	-	-	8	-	-	4,698	-	14,329	
36	3,917	-	15,740	61	21,799	25,548	11,853	47,769	10,241	3,855	89	8,490	149,362	
42	-	-	-	-	-	-	-	21,364	-	1,457	-	-	22,821	
48	-	2,233	-	7,870	2,544	22,731	198	18,536	1,346	-	-	3,936	59,394	
54	-	-	-	-	-	3,232	-	2,383	-	-	-	-	5,615	
64	-	-	-	791	-	-	-	-	-	-	-	-	791	
66	-	-	-	1,497	-	-	-	5,694	-	-	-	-	7,191	
69	-	-	-	42,376	-	-	-	6	-	-	-	520	42,902	
72	-	-	-	-	-	-	-	19,914	-	-	-	-	19,914	
Feet of Pipe	1,058,257	292,726	317,296	576,929	700,981	734,717	784,776	681,111	583,998	710,303	327,320	135,816	6,904,230	
Miles of Pipe	200.43	55.44	60.09	109.27	132.76	139.15	148.63	129.00	110.61	134.53	61.99	25.72	1,307.62	
Percent of Total	15.3%	4.2%	4.6%	8.4%	10.2%	10.6%	11.4%	9.9%	8.5%	10.3%	4.7%	2.0%	100.0%	

Figure 3 – Age and length of Water pipe

Source: (18-19 SLCDPU Statistical report)







Water Main Breaks												
Month												
Fiscal Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2016/17	39	29	27	22	29	48	48	28	18	15	24	32
2017/18	39	46	40	25	35	56	33	23	13	23	30	33
2018/19	54	35	24	24	46	54	63	23	17	17	38	33
Total	359	396	428									

Figure 4 – Number of breaks- Water pipe

Source:(18-19 SLCDPU Statistical report)



**SANITARY SEWER PIPE SUMMARY  
BY SIZE AND DECADE  
June 30, 2019**

Diameter of Pipe (Inches)	Feet of Pipe Placed In Service														Length of Pipe (Feet)
	1890-1899	1900-1909	1910-1919	1920-1929	1930-1939	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2016	Age unknown	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	102	517	249	61	9	938
6	-	811	986	787	-	213	3,256	337	1,420	578	85	-	-	163	8,636
8	61,664	272,199	372,525	140,124	155,775	186,810	212,366	83,812	97,853	93,693	90,980	221,973	133,532	11,220	2,134,526
10	12,447	20,605	73,027	24,821	12,914	7,300	15,117	3,325	6,435	27,120	16,752	30,882	23,089	2,326	276,160
12	7,622	10,160	49,030	20,518	10,233	7,470	19,225	25,590	52,115	19,834	60,329	113,514	28,129	7,056	430,825
14	-	-	-	-	-	-	-	316	-	-	1,566	-	-	-	1,882
15	874	2,324	13,776	3,972	2,800	-	4,276	8,975	21,124	12,285	30,288	34,065	15,923	2,975	153,657
18	-	709	18,001	4,336	-	-	2,917	6,643	18,862	4,961	17,260	13,573	6,765	3,854	97,881
20	3,881	30	-	-	-	-	-	-	-	-	-	-	13,804	-	17,715
21	-	437	4,345	1,995	4,739	5,924	3,821	1,911	13,901	4,616	4,449	329	231	-	46,698
24	-	3,166	4,535	2,462	349	-	-	7,911	30,054	1,046	11,649	15,601	5,464	539	82,776
27	-	-	-	-	-	-	-	-	-	-	2,019	-	5,357	12	7,388
28	-	-	-	-	-	-	-	-	-	-	-	-	-	2,405	2,405
30	-	-	1,523	-	4,663	-	-	3,631	-	-	7,610	1,779	1,265	4,753	25,224
33	-	-	-	-	-	-	-	-	-	-	6,409	-	-	-	6,409
34	-	-	-	-	-	1,884	-	-	-	-	-	-	-	-	1,884
36	-	-	1,206	5,873	-	793	-	5,190	746	-	8,176	8,925	-	-	30,909
38	-	-	-	-	-	-	-	-	-	-	-	-	-	5,482	5,482
40	-	-	-	-	-	-	-	-	-	-	-	-	-	674	674
42	-	-	3,906	-	-	-	-	3,806	-	-	2,318	832	9,870	5,314	26,046
44	-	-	-	-	-	-	-	-	-	-	-	-	15,359	-	15,359
48	-	-	1,620	-	-	-	-	201	-	-	-	3,300	206	16,977	22,304
54	-	-	2,391	-	-	-	-	-	-	-	-	1,586	-	-	3,977
60	-	-	9,215	-	-	-	-	-	-	-	-	-	3,739	-	12,954
64	-	-	-	-	-	-	-	-	-	-	-	-	-	17,581	17,581
66	-	-	8,873	711	-	-	-	-	-	-	-	-	-	96	9,680
72	-	-	3,706	-	-	-	-	-	-	-	-	-	-	-	3,706
78	-	-	1,177	-	-	-	465	-	-	-	-	-	-	4,053	5,695
UNKN	-	-	-	-	-	-	-	-	-	-	-	-	164	15,981	16,145
Feet of Pipe	86,488	310,441	569,842	205,599	191,473	210,394	261,443	151,648	242,510	164,235	260,407	446,608	262,958	101,470	3,465,516
Miles of Pipe	16.38	58.80	107.92	38.94	36.26	39.85	49.52	28.72	45.93	31.11	49.32	84.58	49.80	19.22	656.35
Percent of Total	2.5%	9.0%	16.4%	5.9%	5.5%	6.1%	7.5%	4.4%	7.0%	4.7%	7.5%	12.9%	7.6%	2.9%	100.0%

Figure 5 – Age and length of Sewer pipe

Source:(18-19 SLCDPU Statistical report)



This page left intentionally blank.