



Commission Memorandum

REPORT TO: Honorable Mayor and City Commission
FROM: Kristin Donald, Finance Director
SUBJECT: Adopt the **Water Fund Capital Improvement Plan (CIP)** for Fiscal Years 2021-2025.
AGENDA ITEM TYPE: Consent
MEETING DATE: **December 2, 2019**

RECOMMENDATION: Adopt the **Water Fund Capital Improvement Plan (CIP)** for Fiscal Years 2021 - 2025.

BACKGROUND: Each year, the City Manager is required to prepare a 5 Year Capital Improvements Plan and submit it to the Commission by December 15th. The Public Works Department, City Manager, and other city staff met during September - October to develop the attached Capital Improvement Plan (CIP) for the capital needs of the equipment and capital needs of the Water Fund. The Water Fund CIP tracks the capital equipment replacements and construction projects for Water Operations (distribution system) and the Water Treatment Plant.

Similar to recent years past, we are bringing the various parts of the plan forward as items on the Consent agenda. We will be prepared to address questions, if they arise, at the public meeting.

Public Works Master Plan in Progress

The Public Works Department is currently having a master plan drafted that will address the Department's space needs. This will include space for workers based on the staffing plan and

projected growth, equipment storage based on the CIP and other master plans, and shop space. The completion of this plan will most likely change all Public Works' funds CIPs next year.

Stiff Building Remodel FY20 Project Changes

The FY20 Approved Budget contains a total of \$656,116 for the Stiff Building Remodel, funded from the General, Community Development, and Building Inspection Funds. This estimate was made from initial information developed more than 5 years ago, prior to Phase 1 of the project (basement conference room, etc.). After we completed the final programming on this next phase, the project has expanded to include other departments within the building with a focus on centralizing customer service, accommodating future staffing needs, and improved safety. The project is in final design stages and will be bid in mid-November. Our most recent estimates show the project could total between \$1.2- \$1.5 Million. These increased costs have not been added to the CIP or reflected in the FY20 amounts shown. Once bids are received, we will likely recommend making adjustments to the FY20 Budget by delaying or canceling current projects, using budget or vacancy savings, and/or possibly budget amendments.

Fund	Division/Dept	% of Allocation
General	Sustainability	2.0%
General	Facilities	7.8%
General	IT	10.9%
Community Dev	Community Development	26.4%
Buidling Inspection	Buidling Inspection	16.9%
Street Maintenance	Street Maintenance	4.1%
Water	Water Conservation	3.0%
Public Works Admin	Public Works Admin	7.1%
*Water	WTP/Ops	7.7%
*Wastewater	WRF/Ops	6.7%
*Solidwaste	Solidwaste	2.0%
*Stormwater	Stormwater	4.9%
*Vehicle Maintenance	Vehicle Maintenance	0.6%

* Allocation from Public Works Admin

UNRESOLVED ISSUES: None.

ALTERNATIVES: As suggested by the City Commission. If the Commission does not wish to adopt this schedule tonight, it can be scheduled for approval on a later agenda.

FISCAL EFFECTS: This step in the process has no fiscal effect. Once adopted, the Capital Improvements Plan becomes the basis of the City Manager's Recommended Budget for FY21.

Report compiled on: November 14, 2019

Attached: Water Fund CIP

WATER FUND FINANCIAL SUMMARY

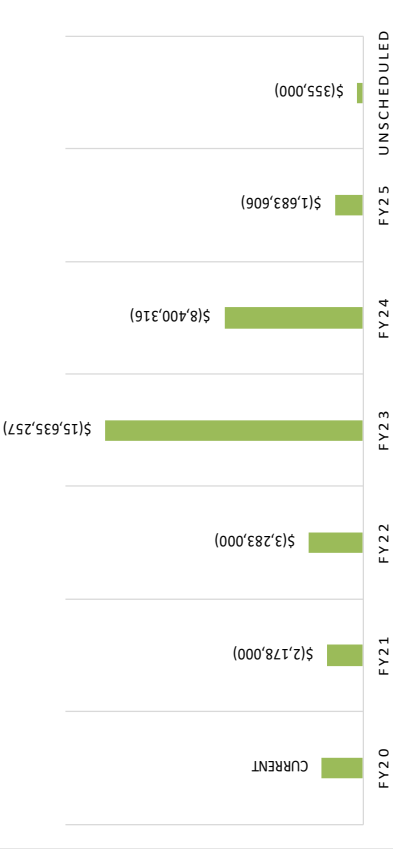
Financial Summary	Current Year		Projected				Unscheduled
	FY20	FY21	FY22	FY23	FY24	FY25	Unscheduled
Projected Beginning Reserve Balance Dedicated to CIP	\$ 1,008,079	\$ 152,198	\$ 1,035,375	\$ 905,388	\$ 2,517,734	\$ 4,172,448	\$ -
Plus: Water Revenues Dedicated to CIP	\$ 2,972,017	\$ 3,061,177	\$ 3,153,012	\$ 3,247,603	\$ 3,345,031	\$ 3,445,382	\$ -
Plus: Loan or Financing for Hyalite Dam Improvements W79			\$ 4,000,000				
Plus: Loan or Financing for Automation Upgrades W71				\$ 10,000,000			
Plus: Loan or Financing for Lyman Tank Construction	\$ (1,285,397)						
Less: FY19 Carryover Capital	\$ (2,542,500)						
Less: Scheduled CIP Project Costs	\$ 152,198	\$ (2,178,000)	\$ (3,283,000)	\$ (15,635,257)	\$ (8,400,316)	\$ (1,683,606)	\$ (355,000)
Projected Year-End Cash Dedicated to CIP	\$ 152,198	\$ 1,035,375	\$ 905,388	\$ 2,517,734	\$ 4,172,448	\$ 5,934,224	\$ (355,000)

Assumptions Made for Revenue Estimates

Assumptions Made for Revenue Estimates	Current Year		Projected			
	FY20	FY21	FY22	FY23	FY24	FY25
Estimated Annual Water Revenues	\$ 9,906,722	\$ 9,906,722	\$ 10,203,924	\$ 10,510,041	\$ 10,825,343	\$ 11,150,103
Estimated Annual Increase		3.0%	3.0%	3.0%	3.0%	3.0%
Total Estimated Revenues	\$ 9,906,722	\$ 10,203,924	\$ 10,510,041	\$ 10,825,343	\$ 11,150,103	\$ 11,484,606
Current Revenues Dedicated to CIP %	26.0%	30.0%	30.0%	30.0%	30.0%	30.0%
Plus: Increase Dedicated to CIP	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%

Total Estimated Revenues Dedicated to CIP \$ 2,972,017 \$ 3,061,177 \$ 3,153,012 \$ 3,247,603 \$ 3,345,031 \$ 3,445,382

WATER FUND PROJECTS & EQUIPMENT



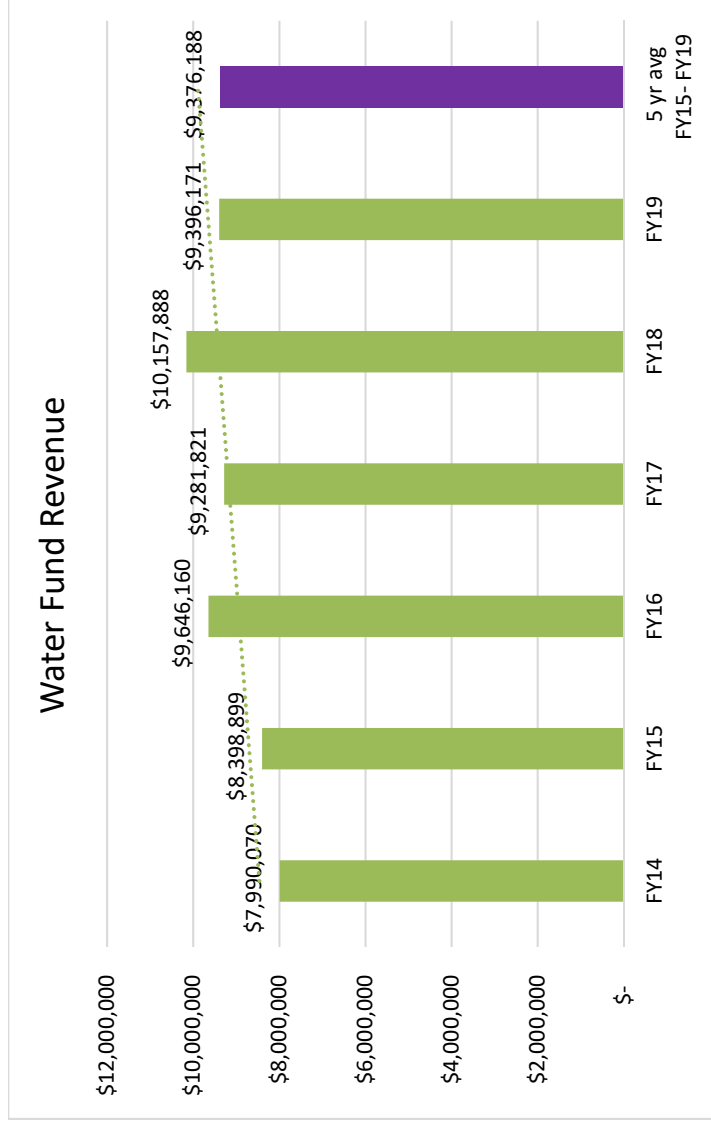
WATER FUND PROJECT SUMMARY

Project #	Project Name	FY2021	FY2022	FY2023	FY2024	FY2025	Unscheduled
W03	ANNUAL WATER PIPE REPLACEMENT	25,000	25,000	25,000	25,000	25,000	-
W04-21	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	1,200,000	-	-	-	-	-
W04-22	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	-	1,200,000	-	-	-	-
W04-23	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	-	-	1,200,000	-	-	-
W04-24	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	-	-	-	1,200,000	-	-
W04-25	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	-	-	-	-	1,200,000	-
W47	REPLACE #2647 - 1998 1/2 TON CHEVY PICKUP	27,000	-	-	-	-	-
W49	REPLACE #3078 - 2002 1/2 TON CHEVY PICKUP	-	27,000	-	-	-	-
W56	WTP FACILITY REPAIR & REPLACEMENT	40,000	40,000	40,000	40,000	40,000	-
W57	WTP FACILITY ENGINEERING & OPTIMIZATION	30,000	30,000	30,000	30,000	30,000	-
W69	WATER SYSTEM CONDITION ASSESSMENT	-	100,000	-	100,000	-	200,000
W71	PRV PHASE 2 - AUTOMATION & INSTRUMENTATION UPGRADES	-	-	-	6,710,000	-	-
W72	PRV PHASE 1 - MECHANICAL & STRUCTURAL UPGRADES	-	1,750,000	-	-	-	-
W79	HYALITE DAM & RESERVOIR OPTIMIZATION IMPROVEMENTS	-	-	4,000,000	-	-	-
W87	LYMAN TANK & TRANSMISSION MAIN DESIGN	750,000	-	-	-	-	-
W88	LYMAN TANK & TRANSMISSION MAIN CONSTRUCTION	-	-	10,000,000	-	-	-
W90	TOTAL ORGANIC CARBON ANALYZER	-	-	30,000	-	-	-
W93	3/4 TON FORD 4 WHEEL DRIVE REPLACEMENT	-	-	-	60,000	-	-
W97	REPLACE 1 TON TRUCK	-	-	-	53,000	-	-
W98	REPLACE 1 TON TRUCK	-	-	-	-	53,000	-
W99	HYALITE GUARDRAIL EXTENSION	70,000	-	-	-	-	-
W100	REPLACE #3605 GMC CANYON	-	-	-	-	45,000	-
W101	WTP TANK OUTLET MONITOR	-	-	-	-	100,000	-
W102	REPLACE BACKHOE 1772	-	-	142,054	-	-	-
W103	REPLACE DUMP TRUCK 3157	-	-	132,203	-	-	-
W104	REPLACE BACKHOE 3293	-	-	-	146,316	-	-
W105	REPLACE BACKHOE 3419	-	-	-	-	150,706	-
W106	SCADA MASTER PLAN	-	75,000	-	-	-	-
WC02	METER SOFTWARE SUBSCRIPTION	36,000	36,000	36,000	36,000	36,000	-
WWW1	WHEELED EXCAVATOR	-	-	-	-	-	155,000
GF346	FACILITY CONDITION INVENTORY	-	-	-	-	3,900	-
	Fiscal Year totals	2,178,000	3,283,000	15,635,257	8,400,316	1,683,606	355,000

WATER FUND DETAIL

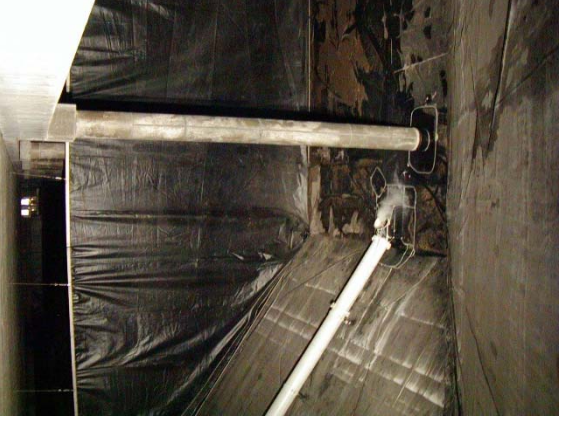
BACKGROUND

This enterprise fund revenue source are rate fees charged to water users. We estimate water rates dedicated to capital will need to increase by at least 3% bringing the portion of Water Utility revenues that support capital to 31% in order to fund this capital plan. A full rate-study and analysis is currently underway.



CAPITAL PLAN SUMMARY

Numerous items have been adjusted or added based on current condition assessments and projections; including Water Pipe Replacements projects of \$1,200,000 annually. Four projects require borrowing in the 5-year horizon totaling over \$20 million (W71, W79, and W88.). The largest project planned is Lyman Tank and Transmission Main scheduled for design in FY21 (W87) and construction in FY23 (W88). This project is to construct a new 5MG storage tank at Lyman. This would decommission the existing Lyman storage tank, Condition Assessment-based repairs of the existing Lyman transmission main, new supply main tie in to new storage tank, new transmission main tie in from new storage tank to existing transmission main, new chlorination/fluoridation feed facility. Decommission Pear Street Booster Station if Hydraulic Grade Line of tank raised to meet Sourdough Tank. The Lyman water supply is a critical element of the city's overall water supply portfolio accounting for roughly 20% of annual supply volume to the city currently.



The Water Treatment plant and Water Operations has replacement vehicles and equipment throughout the plan to the plan. Some larger equipment added this year are scheduled in FY23-FY25 including replacing three back hoes (W102, W104 & W105) and a dump truck (W103).

Project Name	Year	Description	Amount	Total	Project #
ANNUAL WATER PIPE REPLACEMENT	2021	ANNUAL WATER PIPE REPLACEMENT PROGRAM - DESIGN THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED EVERY YEAR, IN ANTICIPATION OF THE ANNUAL WATER SYSTEM UPGRADES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR THE DESIGN OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COSTS: NONE	25,000 - - - - - -	25,000	W03 (FY21)
ANNUAL WATER PIPE REPLACEMENT	2022	ANNUAL WATER PIPE REPLACEMENT PROGRAM - DESIGN DESCRIPTION: THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED EVERY YEAR, IN ANTICIPATION OF THE ANNUAL WATER SYSTEM UPGRADES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR THE DESIGN OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COSTS: NONE	25,000 - - - - - -	25,000	W03 (FY22)
ANNUAL WATER PIPE REPLACEMENT	2023	ANNUAL WATER PIPE REPLACEMENT PROGRAM - DESIGN DESCRIPTION: THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED EVERY YEAR, IN ANTICIPATION OF THE ANNUAL WATER SYSTEM UPGRADES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR THE DESIGN OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COSTS: NONE	25,000 - - - - - -	25,000	W03 (FY23)

Project Name	Year	Description	Amount	Total	Project #
ANNUAL WATER PIPE REPLACEMENT	2024	ANNUAL WATER PIPE REPLACEMENT PROGRAM-DESIGN DESCRIPTION: THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED EVERY YEAR, IN ANTICIPATION OF THE ANNUAL WATER SYSTEM UPGRADES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR THE DESIGN OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COSTS: NONE	25,000 - - - - - - - -	25,000	W03 (FY24)
ANNUAL WATER PIPE REPLACEMENT	2025	ANNUAL WATER PIPE REPLACEMENT PROGRAM-DESIGN DESCRIPTION: THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED EVERY YEAR, IN ANTICIPATION OF THE ANNUAL WATER SYSTEM UPGRADES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR THE DESIGN OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COSTS: NONE	25,000 - - - - - - - -	25,000	W03 (FY25)

Project Name	Year	Description	Amount	Total	Project #
WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	2021	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2021 DESCRIPTION: THE WATER REPLACEMENT PROGRAM SETS ASIDE FUNDS TO ASSESS AND REPLACE FAILING WATER PIPES. PRIORITY WILL GO TO REPLACE THE WATER PIPE ASSOCIATED WITH THE ANNUAL STREET CONSTRUCTION. THE REMAINING FUNDS WILL BE USED TO CONDUCT WATER PIPE CONDITION ASSESSMENTS AND REPAIR IDENTIFIED PIPES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR CONSTRUCTION OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COST: THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFECYCLE OF ALL PIPES.	1,200,000	1,200,000	W04-21 (FY21)
	2022	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2022 DESCRIPTION: THE WATER REPLACEMENT PROGRAM SETS ASIDE FUNDS TO ASSESS AND REPLACE FAILING WATER PIPES. PRIORITY WILL GO TO REPLACE THE WATER PIPE ASSOCIATED WITH THE ANNUAL STREET CONSTRUCTION (N 17TH FROM DURSTON TO THE END). THE REMAINING FUNDS WILL BE USED TO CONDUCT WATER PIPE CONDITION ASSESSMENTS AND REPAIR IDENTIFIED PIPES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR THE CONSTRUCTION OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COSTS: THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFE CYCLE OF ALL PIPES	1,200,000	1,200,000	
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	2022	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2022 DESCRIPTION: THE WATER REPLACEMENT PROGRAM SETS ASIDE FUNDS TO ASSESS AND REPLACE FAILING WATER PIPES. PRIORITY WILL GO TO REPLACE THE WATER PIPE ASSOCIATED WITH THE ANNUAL STREET CONSTRUCTION (N 17TH FROM DURSTON TO THE END). THE REMAINING FUNDS WILL BE USED TO CONDUCT WATER PIPE CONDITION ASSESSMENTS AND REPAIR IDENTIFIED PIPES. ALTERNATIVES CONSIDERED: NONE ADVANTAGES OF APPROVAL: PROVIDES FOR THE CONSTRUCTION OF NECESSARY WATER SYSTEM MAINTENANCE WORK. ADDITIONAL OPERATING COSTS: THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFE CYCLE OF ALL PIPES	1,200,000	1,200,000	

Project Name	Year	Description	Amount	Total	Project #
WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	2023	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2023	1,200,000	1,200,000	W04-23 (FY23)
		DESCRIPTION:	-	-	
		THE WATER REPLACEMENT PROGRAM SETS ASIDE FUNDS TO ASSESS AND REPLACE FAILING WATER PIPES. PRIORITY WILL GO TO REPLACE THE WATER PIPE ASSOCIATED THE ANNUAL STREET CONSTRUCTION. THE REMAINING FUNDS WILL BE USED TO CONDUCT WATER PIPE CONDITION ASSESSMENTS AND REPAIR IDENTIFIED PIPES.	-	-	
		ALTERNATIVES CONSIDERED:	-	-	
		NONE	-	-	
		ADVANTAGES OF APPROVAL:	-	-	
		PROVIDES FOR THE CONSTRUCTION OF NECESSARY WATER SYSTEM MAINTENANCE WORK.	-	-	
		ADDITIONAL OPERATING COSTS:	-	-	
		THE PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFE CYCLE OF ALL PIPES	-	-	
		WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	1,200,000	1,200,000	
		DESCRIPTION:	-	-	
		THE WATER REPLACEMENT PROGRAM SETS ASIDE FUNDS TO ASSESS AND REPLACE FAILING WATER PIPES. PRIORITY WILL GO TO REPLACE THE WATER PIPE ASSOCIATED THE ANNUAL STREET CONSTRUCTION. THE REMAINING FUNDS WILL BE USED TO CONDUCT WATER PIPE CONDITION ASSESSMENTS AND REPAIR IDENTIFIED PIPES.	-	-	
		ALTERNATIVES CONSIDERED:	-	-	
NONE	-	-			
ADVANTAGES OF APPROVAL:	-	-			
PROVIDES FOR THE CONSTRUCTION OF NECESSARY WATER SYSTEM MAINTENANCE WORK.	-	-			
ADDITIONAL OPERATING COSTS:	-	-			
THE PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFE CYCLE OF ALL PIPES	-	-			
WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	1,200,000	1,200,000			
DESCRIPTION:	-	-			
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ALTERNATIVES CONSIDERED:	-	-			
NONE	-	-			
ADVANTAGES OF APPROVAL:	-	-			
PROVIDES FOR THE CONSTRUCTION OF NECESSARY WATER SYSTEM MAINTENANCE WORK.	-	-			
ADDITIONAL OPERATING COSTS:	-	-			
THE PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFE CYCLE OF ALL PIPES	-	-			
WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	1,200,000	1,200,000			

Project Name	Year	Description	Amount	Total	Project #
WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION	2025	<p>WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION</p> <p>DESCRIPTION: THE WATER REPLACEMENT PROGRAM SETS ASIDE FUNDS TO ASSESS AND REPLACE FAILING WATER PIPES. PRIORITY WILL GO TO REPLACE THE WATER PIPE ASSOCIATED THE ANNUAL STREET CONSTRUCTION. THE REMAINING FUNDS WILL BE USED TO CONDUCT WATER PIPE CONDITION ASSESSMENTS AND REPAIR IDENTIFIED PIPES.</p> <p>ALTERNATIVES CONSIDERED: NONE</p> <p>ADVANTAGES OF APPROVAL: PROVIDES FOR THE CONSTRUCTION OF NECESSARY WATER SYSTEM MAINTENANCE WORK.</p> <p>ADDITIONAL OPERATING COSTS: THE PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFE CYCLE OF ALL PIPES</p>	1,200,000	1,200,000	W04-25 (FY25)
REPLACE #2647 - 1998 1/2 TON CHEVY PICKUP	2021	<p>* PROJECT NAME IS INCORRECT - CIP ITEM IS AS FOLLOWS: REPLACE #2647 - 1998 1/2 TON CHEVY PICKUP</p> <p>DESCRIPTION: THIS PROJECT IS TO REPLACE A 1998 CHEVY WITH 70,779 MILES. AS OUR CREW GROWS THIS TYPE OF VEHICLE IS USED DAILY IN SUPPORT OF THE DEPT'S MISSION. THIS TRUCK RESPONDS TO ALL TYPES OF CALLS FROM LOCATING TO WITNESSING BORES TO A SUPPORT VEHICLE FOR EXCAVATION JOBS. USING AN OLDER VEHICLE BECOMES MORE UNRELIABLE, BUT IF WE HAD TO, WE COULD HOLD OFF A YEAR.</p> <p>ALTERNATIVES CONSIDERED: CONTINUE TO USE OLDER VEHICLE WHICH IS BECOMING UNRELIABLE & COSTLY TO MAINTAIN.</p> <p>ADVANTAGES OF APPROVAL: INCREASED RELIABILITY & SAFETY FOR STAFF.</p> <p>ADDITIONAL OPERATING COSTS: AS THE TRUCK AGES THERE WILL BE UNFORESEEN COSTS</p>	27,000	27,000	W47

Project Name	Year	Description	Amount	Total	Project #
REPLACE #3078 - 2002 1/2 TON CHEVY PICKUP	2022	REPLACE #3078 - 2002 1/2 TON CHEVY PICKUP DESCRIPTION: THIS PROJECT REPLACES A 2002 CHEVY PICKUP WITH 85,816 MILES. THIS TRUCK IS USED FOR LEAK DETECTION, LOCATING, AND FIRE HYDRANT FLUSHING, WHICH ARE 3 CRITICAL PROGRAMS FOR OUR DEPARTMENT. THIS TRUCK WILL BE REPLACED WITH A MORE FUEL EFFICIENT VEHICLE. ALTERNATIVES CONSIDERED: CONTINUE TO USE OLDER PIECE OF EQUIPMENT WHICH IS BECOMING UNRELIABLE AND COSTLY TO MAINTAIN. ADVANTAGES OF APPROVAL: INCREASE RELIABILITY AND SAFETY FOR STAFF. ADDITIONAL OPERATING COSTS: AS THE TRUCK AGES THERE WILL BE UNFORESEEN COSTS TO MAINTAIN THIS VEHICLE.	27,000	27,000	
					W49
WTP FACILITY REPAIR & REPLACEMENT	2021	WTP FACILITY R & R DESCRIPTION: REPAIR & REPLACEMENT FUND FOR THE WTP. HAVING THIS ITEM IN THE BUDGET WILL ALLOW FOR UNEXPECTED & RAPID REPAIR OF EQUIPMENT. IN THE EVENT OF FAILURE THIS WILL RESULT IN SHORTER DOWN TIME & NOT DEFER OTHER PLANNED PROJECTS. WITHOUT THIS FUND, MAINTENANCE COULD BE DEFERRED FOR UP TO A YEAR. ALTERNATIVES CONSIDERED: NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED MAINTENANCE. ADVANTAGES OF APPROVAL: IF SYSTEMS FAIL, THEY NEED TO BE REPAIRED IMMEDIATELY. IF THE FAILURE IS UNEXPECTED, OTHER ITEMS THAT HAVE BEEN BUDGETED FOR WILL NEED TO BE POSTPONED. NOT ALL REPAIRS OR EQUIPMENT FAILURES CAN BE PREDICTED & BUDGETED AS CAPITAL IMPROVEMENT PROJECTS. ADDITIONAL OPERATING COSTS:	40,000	40,000	W56 (FY21)

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY REPAIR & REPLACEMENT	2022	WTP FACILITY R & R DESCRIPTION: REPAIR & REPLACEMENT FUND FOR THE WTP. HAVING THIS ITEM IN THE BUDGET WILL ALLOW FOR UNEXPECTED & RAPID REPAIR OF EQUIPMENT, IN THE EVENT OF FAILURE THIS WILL RESULT IN SHORTER DOWN TIME & NOT DEFER OTHER PLANNED PROJECTS. WITHOUT THIS FUND, MAINTENANCE COULD BE DEFERRED FOR UP TO A YEAR. ALTERNATIVES CONSIDERED: NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED MAINTENANCE. ADVANTAGES OF APPROVAL: IF SYSTEMS FAIL, THEY NEED TO BE REPAIRED IMMEDIATELY. IF THE FAILURE IS UNEXPECTED, OTHER ITEMS THAT HAVE BEEN BUDGETED FOR WILL NEED TO BE POSTPONED. NOT ALL REPAIRS OR EQUIPMENT FAILURE CAN BE PREDICTED AND BUDGETED AS CAPITAL IMPROVEMENT PROJECTS. ADDITIONAL OPERATING COSTS: NONE	40,000 - - - - - - - - - - - - - - -	40,000	
					W56 (FY22)

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY REPAIR & REPLACEMENT	2023	WTP FACILITY R & R	40,000	40,000	
		DESCRIPTION:	-		
		REPAIR & REPLACEMENT FUND FOR THE WTP. HAVING THIS	-		
		ITEM IN THE BUDGET WILL ALLOW FOR UNEXPECTED &	-		
		RAPID REPAIR OF EQUIPMENT. IN THE EVENT OF FAILURE	-		
		THIS WILL RESULT IN SHORTER DOWN TIME AND WILL	-		
		PREVENT DEFERRMENT OF OTHER PROJECTS. WITHOUT THIS	-		
		FUND, MAINTENANCE COULD BE DEFERRED FOR UP TO A	-		
		YEAR.	-		
		ALTERNATIVES CONSIDERED:	-		W56
		NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED	-		(FY23)
		MAINTENANCE.	-		
		ADVANTAGES OF APPROVAL:	-		
		IF SYSTEMS FAIL, THEY NEED TO BE REPAIRED	-		
		IMMEDIATELY. IF THE FAILURE IS UNEXPECTED OTHER	-		
		ITEMS THAT HAVE BEEN BUDGETED FOR WILL NEED TO BE	-		
		POSTPONED. NOT ALL REPAIRS OR EQUIPMENT FAILURES	-		
		CAN BE PREDICTED & BUDGETED AS CAPITAL IMPROVEMENT	-		
		PROJECTS.	-		
		ADDITIONAL OPERATING COSTS:	-		
		NONE	-		

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY REPAIR & REPLACEMENT	2024	WTP FACILITY R & R DESCRIPTION: REPAIR & REPLACEMENT FUND FOR THE WTP. HAVING THIS ITEM IN THE BUDGET WILL ALLOW FOR UNEXPECTED & RAPID REPAIR OF EQUIPMENT, IN THE EVENT OF FAILURE THIS WILL RESULT IN SHORTER DOWN TIME AND NOT DEFER OTHER PLANNED PROJECTS. WITHOUT THIS FUND MAINTENANCE COULD BE DEFERRED FOR UP TO A YEAR. ALTERNATIVES CONSIDERED: NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED MAINTENANCE. ADVANTAGES OF APPROVAL: IF SYSTEMS FAIL, THEY NEED TO BE REPAIRED IMMEDIATELY. IF THE FAILURE IS UNEXPECTED OTHER ITEMS THAT HAVE BEEN BUDGETED FOR WILL NEED TO BE POSTPONED. NOT ALL REPAIRS OR EQUIPMENT FAILURES CAN BE PREDICTED & BUDGETED AS CAPITAL IMPROVEMENT PROJECTS. ADDITIONAL OPERATING COSTS: NONE	40,000 - - - - - - - - - - - - - -	40,000	
					W56 (FY24)

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY REPAIR & REPLACEMENT	2025	WTP FACILITY R & R DESCRIPTION: REPAIR & REPLACEMENT FUND FOR THE WTP. HAVING THIS ITEM IN THE BUDGET WILL ALLOW FOR UNEXPECTED & RAPID REPAIR OF EQUIPMENT, IN THE EVENT OF FAILURE THIS WILL RESULT IN SHORTER DOWN TIME AND NOT DEFER OTHER PLANNED PROJECTS. WITHOUT THIS FUND MAINTENANCE COULD BE DEFERRED FOR UP TO A YEAR. ALTERNATIVES CONSIDERED: NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED MAINTENANCE. ADVANTAGES OF APPROVAL: IF SYSTEMS FAIL, THEY NEED TO BE REPAIRED IMMEDIATELY. IF THE FAILURE IS UNEXPECTED OTHER ITEMS THAT HAVE BEEN BUDGETED FOR WILL NEED TO BE POSTPONED. NOT ALL REPAIRS OR EQUIPMENT FAILURES CAN BE PREDICTED & BUDGETED AS CAPITAL IMPROVEMENT PROJECTS. ADDITIONAL OPERATING COSTS: NONE	40,000 - - - - - - - - - - - - - -	40,000	
					W56 (FY25)

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY ENGINEERING & OPTIMIZATION	2021	WTP FACILITY ENGINEERING & OPTIMIZATION	20,000	30,000	
		DESCRIPTION:	-		
		THE LONGER THE WTP IS IN OPERATION, OPERATORS BECOME FAMILIAR WITH THE PROCESSES AND COME UP WITH IDEAS TO OPTIMIZE THE PROCESS. THIS LINE ITEM WILL ALLOW FOR ENGINEERING STUDIES ON THE OPERATOR IDEAS BEFORE THE EXPENSE OF CHANGING THE PROCESS. IN PARTICULAR, THE PLAN FOR THIS BUDGET ITEM IS TO IMPROVE THE PROCESS FROM THE RAW WATER INTAKES TO THE TREATED WATER RESERVOIRS. IT WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THAT PROPOSED OPTIMIZATIONS WILL ACTUALLY IMPROVE THE PROCESS AT A REASONABLE EXPENSE. THROUGH THE OPTIMIZATION OF THE PLANT WITH ENGINEERING STUDIES THE PROCESS WILL BE STREAMLINED AND WILL SAVE MONEY IN THE FUTURE.	-		W57
		ALTERNATIVES CONSIDERED:	-		(FY21)
		PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		ADVANTAGES OF APPROVAL:	-		
		THE ADVANTAGE OF HAVING FUNDS AVAILABLE TO DO ENGINEERING STUDIES BEFORE ANY PROJECT IS STARTED WILL MAKE SURE THAT THE RIGHT EQUIPMENT IS PURCHASED AND THAT IT WILL PERFORM PROPERLY. OPTIMIZATION STUDIES WILL PREDICT ACTUAL COST/BENEFIT OVER TIME TO MAKE SURE THE CITY IS SPENDING ITS MONEY EFFICIENTLY.	-		
		ADDITIONAL OPERATING COSTS:	-		
		NONE	-		
		INCREASE:	10,000		
		SERVICE COST INCREASE	-		

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY ENGINEERING & OPTIMIZATION	2022	WTP FACILITY ENGINEERING & OPTIMIZATION	20,000	30,000	
		DESCRIPTION:	-		
		THE LONGER THE WTP IS IN OPERATION, OPERATORS BECOME FAMILIAR WITH THE PROCESSES & COME UP WITH IDEAS TO OPTIMIZE THE PROCESS. THIS LINE ITEM WILL ALLOW FOR ENGINEERING STUDIES ON THE OPERATOR'S IDEAS BEFORE THE EXPENSE OF CHANGING THE PROCESS. IN PARTICULAR, THE PLAN FOR THIS BUDGET ITEM IS TO IMPROVE THE PROCESS FROM THE RAW WATER INTAKES TO THE TREATED WATER RESERVOIRS. IT WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THAT PROPOSED OPTIMIZATIONS WILL ACTUALLY IMPROVE THE PROCESS AT A REASONABLE EXPENSE. THROUGH THE OPTIMIZATION OF THE PLANT WITH ENGINEERING STUDIES THE PROCESS WILL BE STREAMLINED AND WILL SAVE MONEY IN THE FUTURE.	-		W57
		ALTERNATIVES CONSIDERED:	-		(FY22)
		PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		ADVANTAGES OF APPROVAL:	-		
		THE ADVANTAGE OF HAVING FUNDS AVAILABLE TO DO ENGINEERING STUDIES BEFORE ANY PROJECT IS STARTED WILL MAKE SURE THAT THE RIGHT EQUIPMENT IS PURCHASED AND THAT IT WILL PERFORM PROPERLY. OPTIMIZATION STUDIES WILL PREDICT ACTUAL COST/BENEFIT OVER TIME TO MAKE SURE THE CITY IS SPENDING ITS MONEY EFFICIENTLY.	-		
		ADDITIONAL OPERATING COST:	-		
		NONE	-		
		INCREASE:	10,000		
		SERVICE COSTS INCREASE	-		

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY ENGINEERING & OPTIMIZATION	2023	WTP FACILITY ENGINEERING & OPTIMIZATION	20,000	30,000	
		DESCRIPTION:	-		
		THE LONGER THE WTP IS IN OPERATION, OPERATORS BECOME FAMILIAR WITH THE PROCESSES AND COME UP WITH IDEAS TO OPTIMIZE THE PROCESS. THIS LINE ITEM WILL ALLOW FOR ENGINEERING STUDIES ON THE OPERATOR'S IDEAS BEFORE THE EXPENSE OF CHANGING THE PROCESS. IN PARTICULAR, THE PLAN FOR THIS BUDGET ITEMS IS TO IMPROVE THE PROCESS FROM THE RAW WATER INTAKES TO THE TREATED WATER RESERVOIRS. IT WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THAT PROPOSED OPTIMIZATIONS WILL ACTUALLY IMPROVE THE PROCESS AT A REASONABLE EXPENSE. THROUGH THE OPTIMIZATION OF THE PLANT WITH ENGINEERING STUDIES THE PROCESS WILL BE STREAMLINED & WILL SAVE MONEY IN THE FUTURE.	-		
		ALTERNATIVES CONSIDERED:	-		W57
		PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		(FY23)
		ADVANTAGES OF APPROVAL:	-		
		THE ADVANTAGE OF HAVING FUNDS AVAILABLE TO DO ENGINEERING STUDIES BEFORE ANY PROJECT IS STARTED WILL MAKE SURE THAT THE RIGHT EQUIPMENT IS PURCHASED & THAT IT WILL PERFORM PROPERLY. OPTIMIZATION STUDIES WILL PREDICT ACTUAL COST/BENEFIT OVER TIME TO MAKE SURE THE CITY IS SPENDING ITS MONEY EFFICIENTLY.	-		
		ADDITIONAL OPERATING COST:	-		
		NONE	-		
		INCREASE:	10,000		
		SERVICE COSTS INCREASE	-		

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY ENGINEERING & OPTIMIZATION	2024	WTP FACILITY ENGINEERING & OPTIMIZATION	30,000	30,000	
		DESCRIPTION:	-		
		THE LONGER THE WTP IS IN OPERATION, OPERATORS BECOME FAMILIAR WITH THE PROCESSES AND COME UP WITH IDEAS TO OPTIMIZE THE PROCESS. THIS LINE ITEM WILL ALLOW FOR ENGINEERING STUDIES ON THE OPERATOR'S IDEAS BEFORE THE EXPENSE OF CHANGING THE PROCESS. IN PARTICULAR, THE PLAN FOR THIS BUDGET ITEM IS TO IMPROVE THE PROCESS FROM THE RAW WATER INTAKES TO THE TREATED WATER RESERVOIRS. IT WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THAT PROPOSED OPTIMIZATIONS WILL ACTUALLY IMPROVE THE PROCESS AT A REASONABLE EXPENSE. THROUGH THE OPTIMIZATION OF THE PLANT WITH ENGINEERING STUDIES THE PROCESS WILL BE STREAMLINED & WILL SAVE MONEY IN THE FUTURE.	-		
		ALTERNATIVES CONSIDERED:	-		
		PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		ADVANTAGES OF APPROVAL:	-		
		THE ADVANTAGE OF HAVING FUNDS AVAILABLE TO DO ENGINEERING STUDIES BEFORE ANY PROJECT IS STARTED WILL MAKE SURE THAT THE RIGHT EQUIPMENT IS PURCHASED & THAT IT WILL PERFORM PROPERLY. OPTIMIZATION STUDIES WILL PREDICT ACTUAL COST/BENEFIT OVER TIME TO MAKE SURE THE CITY IS SPENDING ITS MONEY EFFICIENTLY.	-		
		ADDITIONAL OPERATING COST:	-		
		NONE	-		
					W57 (FY24)

Project Name	Year	Description	Amount	Total	Project #
WTP FACILITY ENGINEERING & OPTIMIZATION	2025	WTP FACILITY ENGINEERING & OPTIMIZATION	30,000	30,000	
		DESCRIPTION:	-		
		THE LONGER THE WTP IS IN OPERATION, OPERATORS BECOME FAMILIAR WITH THE PROCESSES AND COME UP WITH IDEAS TO OPTIMIZE THE PROCESS. THIS LINE ITEM WILL ALLOW FOR ENGINEERING STUDIES ON THE OPERATOR'S IDEAS BEFORE THE EXPENSE OF CHANGING THE PROCESS. IN PARTICULAR, THE PLAN FOR THIS BUDGET ITEM IS TO IMPROVE THE PROCESS FROM THE RAW WATER INTAKES TO THE TREATED WATER RESERVOIRS. IT WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THAT PROPOSED OPTIMIZATIONS WILL ACTUALLY IMPROVE THE PROCESS AT A REASONABLE EXPENSE. THROUGH THE OPTIMIZATION OF THE PLANT WITH ENGINEERING STUDIES THE PROCESS WILL BE STREAMLINED & WILL SAVE MONEY IN THE FUTURE.	-		
		ALTERNATIVES CONSIDERED:	-		
		PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		ADVANTAGES OF APPROVAL:	-		
		THE ADVANTAGE OF HAVING FUNDS AVAILABLE TO DO ENGINEERING STUDIES BEFORE ANY PROJECT IS STARTED WILL MAKE SURE THAT THE RIGHT EQUIPMENT IS PURCHASED & THAT IT WILL PERFORM PROPERLY. OPTIMIZATION STUDIES WILL PREDICT ACTUAL COST/BENEFIT OVER TIME TO MAKE SURE THE CITY IS SPENDING ITS MONEY EFFICIENTLY.	-		
		ADDITIONAL OPERATING COST:	-		
		NONE	-		
					W57 (FY25)

Project Name	Year	Description	Amount	Total	Project #
WATER SYSTEM CONDITION ASSESSMENT	2022	WATER SYSTEM CONDITION ASSESSMENT	100,000	100,000	
		DESCRIPTION:	-		
		PREPARE & EVALUATE CONDITION ASSESSMENT PLAN & EXECUTE WATER MAIN CONDITION ASSESSMENTS IN HIGH RISK PORTIONS OF THE CITY. THESE ARE MAJOR ASSETS WHOSE FAILURE COULD AFFECT A LARGE POPULATION OF END-USERS. WORK-AROUND MAY BE POSSIBLE WITH HEAVY BURDEN ON UTILITY RESOURCES. ADDITIONALLY, THESE STUDIES COULD PRODUCE SUBSTANTIAL & QUANTIFIABLE BENEFITS THAT IMPROVE PROJECT QUALITY, PROCESSES, OR ADOPTION OF BEST INDUSTRY PRACTICES. DEPENDING ON THE RESULTS, THESE STUDIES COULD RESULT IN FOLLOW-UP R & R.	-		
		ALTERNATIVES CONSIDERED:	-		
		NO INSPECTION	-		
		ADVANTAGES OF APPROVAL:	-		
		DOING PLANNED CONDITION ASSESSMENT CAN PROVIDE A COST EFFECTIVE MECHANISM OF IDENTIFYING LIKELY ASSET FAILURES & THEREBY OFFERING THE OPPORTUNITY OF REPAIRING THE DEFICIENCY OR THE WHOLE ASSET IF NEEDED PRIOR TO FAILURE. ADDITIONALLY, CA OFTEN CAN IDENTIFY ASSETS IN GOOD WORKING CONDITION, SO ONLY REQUIRED REPAIRS ARE COMPLETED THEREBY SAVING SIGNIFICANT MONEY IN REPLACING ASSETS IN GOOD WORKING ORDER.	-		
		ADDITIONAL OPERATING COST:	-		
		NONE.	-		
					W69
					(FY22)

Project Name	Year	Description	Amount	Total	Project #
WATER SYSTEM CONDITION ASSESSMENT	2024	WATER SYSTEM CONDITION ASSESSMENT	100,000	100,000	
		DESCRIPTION:	-		
		PREPARE & EVALUATE CONDITION ASSESSMENT PLAN & EXECUTE WATER MAIN CONDITION ASSESSMENTS IN HIGH RISK PORTIONS OF THE CITY. THESE ARE MAJOR ASSETS WHOSE FAILURE COULD AFFECT A LARGE POPULATION OF END-USERS. WORK-AROUND MAY BE POSSIBLE WITH HEAVY BURDEN ON UTILITY RESOURCES. ADDITIONALLY, THESE STUDIES COULD PRODUCE SUBSTANTIAL & QUANTIFIABLE BENEFITS THAT IMPROVE PROJECT QUALITY, PROCESSES, OR ADOPTION OF BEST INDUSTRY PRACTICES. DEPENDING ON THE RESULTS, THESE STUDIES COULD RESULT IN FOLLOW-UP R & R.	-		
		ALTERNATIVES CONSIDERED:	-		
		NO INSPECTION	-		
		ADVANTAGES OF APPROVAL:	-		
		DOING PLANNED CONDITION ASSESSMENT CAN PROVIDE A COST EFFECTIVE MECHANISM OF IDENTIFYING LIKELY ASSET FAILURES & THEREBY OFFERING THE OPPORTUNITY OF REPAIRING THE DEFICIENCY OR THE WHOLE ASSET IF NEEDED PRIOR TO FAILURE. ADDITIONALLY, CA OFTEN CAN IDENTIFY ASSETS IN GOOD WORKING CONDITION, SO ONLY REQUIRED REPAIRS ARE COMPLETED THEREBY SAVING SIGNIFICANT MONEY IN REPLACING ASSETS IN GOOD WORKING ORDER.	-		
		ADDITIONAL OPERATING COST:	-		
		NONE.	-		
					W69 (FY24)

Project Name	Year	Description	Amount	Total	Project #
PRV PHASE 2 - AUTOMATION & INSTRUMENTATION UPGRADES	2024	PRV PHASE 2 - AUTOMATION & INSTRUMENTATION UPGRADES	6,710,000	6,710,000	
		DESCRIPTION:	-		
		UPGRADE PRESSURE INSTRUMENTATION, AUTOMATE VALVE ACTUATION, AND PROVIDE A LAN CONNECTION & SCADA PROGRAMMING FOR REALTIME MONITORING & REMOTE CONTROL OF PRV SETTINGS. WITHOUT THIS PROJECT, SYSTEM OPERATORS ARE WITHOUT VITAL DATA ON SYSTEM OPERATING CONDITIONS. LIMITED REAL TIME DATA	-		
		ALLOWS OPERATORS TO ANTICIPATE, DIAGNOSE, OR CORRECT ABNORMAL OPERATING CONDITIONS.	-		
		STANDARDIZED PRESSURE CONTROL OFFERS IMPROVED PROTECTIONS FROM SURGE CONDITIONS WHICH ARE A LIKELY CAUSE OF PIPE FAILURE. IT WILL ALSO	-		
		IMPROVE SERVICE LEVELS TO EXISTING CUSTOMERS	-		
		WHERE PRESSURE TRANSIENTS CAUSE LEAKS IN SPRINKLER SYSTEMS OR WITHIN CUSTOMER PREMISES.	-		
		ALTERNATIVES CONSIDERED:	-		
		STATUS QUO OPERATION.	-		
		ADVANTAGES OF APPROVAL:	-		
		IMPROVE WATER DISTRIBUTION OPERATIONS THROUGH INCREASED UNDERSTANDING OF SYSTEM OPERATING CHARACTERISTICS. IMPROVE RESPONSIVENESS TO DYNAMIC OPERATING CONDITIONS. FACILITATE IMPROVED ACCESS TO EXISTING SITES NOW REQUIRING CONFINED SPACE ENTRY PROCEDURES. STANDARDIZE AND IMPROVE SURGE CONTROL FEATURES THROUGHOUT SYSTEM.	-		
		ADDITIONAL OPERATING COST:	-		
		DEBT SERVICE (IF ANY) TO CONSTRUCT, POWER COSTS, SCADA MAINTENANCE, VAULT MAINTENANCE, INSTRUMENT MAINTENANCE, PROGRAMMING LIBRARIES.	-		
			-		W71

Project Name	Year	Description	Amount	Total	Project #
HYALITE DAM & RESERVOIR OPTIMIZATION IMPROVEMENTS	2023	HYALITE DAM & RESERVOIR OPTIMIZATION IMPROVEMENTS	4,000,000	4,000,000	
		DESCRIPTION:	-		
		ARMORING OF THE CONTROL TOWER (TO ENABLE SOME YEAR-OVER-YEAR STORAGE CAPACITY) AND CONTROL UPGRADES TO IMPROVE WINTER OPERATION. CURRENT VULNERABILITY OF BOZEMAN TO DROUGHT IS VERY HIGH, DUE TO THE LACK OF SOURCES THAT ARE ROBUST IN DROUGHT (LARGE RAW WATER RESERVOIRS WITH YEAR-OVER -YEAR STORAGE CAPACITY, LARGE RIVERS, OR GROUNDWATER). HYALITE RESERVOIR IS CAPABLE OF PROVIDING YEAR-OVER-YEAR STORAGE, BUT IS NOT OPERATED IN THAT MANNER DUE TO CONCERNS OF ICE DAMAGE TO THE CONTROL TOWER. THIS INCREASES THE RISK OF AN EXTREMELY DRY YEAR RESULTING IN THE INABILITY TO FILL THE HYALITE RESERVOIR WITH ENOUGH WATER FOR THE CITY AND IRRIGATION USES. THIS PROJECT COULD POTENTIALLY REMOVE THE 20% SURCHARGE THE CITY PAYS FOR HYALITE RELEASES.	-		
		ALTERNATIVES CONSIDERED:	-		
		CONTINUE TO DEAL WITH CURRENT HYALITE DAM OPERATION.	-		
		ADVANTAGES OF APPROVAL:	-		
		DROUGHT MITIGATION, IMPROVED WATER USE AND COST EFFICIENCIES.	-		
		ADDITIONAL OPERATING COSTS:	-		
		UNKNOWN	-		
					W79

Project Name	Year	Description	Amount	Total	Project #
LYMAN TANK & TRANSMISSION MAIN DESIGN	2021	LYMAN TANK & TRANSMISSION MAIN DESCRIPTION: DESIGN WITH CONSTRUCTION IN FY23 CONSTRUCT A NEW 5MG STORAGE TANK AT LYMAN, DECOMMISSIONING EXISTING LYMAN STORAGE TANK, CONDITION ASSESSMENT-BASED REPAIRS OF THE EXISTING LYMAN TANK & TRANSMISSION MAIN DESIGN LYMAN TRANSMISSION MAIN, NEW SUPPLY MAIN TIE IN TO NEW STORAGE TANK, NEW TRANSMISSION MAIN TIE IN FROM NEW STORAGE TANK TO EXISTING TRANSMISSION MAIN, NEW CHLORINATION/FLUORIDATION FEED FACILITY. DESIGN ONLY NO ADDITIONAL OPERATING COSTS.	750,000 - - - - - - - - -	750,000	W87

Project Name	Year	Description	Amount	Total	Project #
LYMAN TANK & TRANSMISSION MAIN CONSTRUCTION	2023	LYMAN TANK & TRANSMISSION MAIN CONSTRUCTION DESCRIPTION: CONSTRUCT A NEW 5MG STORAGE TANK AT LYMAN, DECOMMISSIONING EXISTING LYMAN STORAGE TANK, CONDITION ASSESSMENT-BASED REPAIRS OF THE EXISTING LYMAN TRANSMISSION MAIN, NEW SUPPLY MAIN TIE IN TO NEW STORAGE TANK, NEW TRANSMISSION MAIN TIE IN FROM NEW STORAGE TANK TO EXISTING TRANSMISSION MAIN, NEW CHLORINATION/FLUORIDATION FEED FACILITY. DECOMMISSION PEAR STREET BOOSTER STATION IF HYDRAULIC GRADE LINE OF TANK RAISED TO MEET SOURDOUGH TANK. THE LYMAN WATER SUPPLY IS A CRITICAL ELEMENT OF THE CITY'S OVERALL WATER SUPPLY PORTFOLIO ACCOUNTING FOR ROUGHLY 20% OF ANNUAL SUPPLY VOLUME TO THE CITY CURRENTLY. THE SOURCE PROVIDES SUPPLY REDUNDANCY & RESILIENCY AS IT IS GEOGRAPHICALLY REMOVED FROM THE SOURDOUGH/ HYALITE SOURCE & PROVIDES AN INDEPENDENT CONNECTION TO THE DISTRIBUTION SYSTEM. THE EFFECTIVE AVAILABLE WATER SUPPLY IS INCREASED SINCE THE NEW STORAGE SYSTEM WILL NOT LEAK & WILL EXPAND THE NUMBER OF CUSTOMERS ABLE TO BE SUPPLIED BY LYMAN WATER. LIKELIHOOD OF FAILURE OF LYMAN SUPPLY SYSTEM WILL BE DRAMATICALLY REDUCED BY REPLACED STORAGE. ALTERNATIVES CONSIDERED: STATUS QUO OPERATION OF EXISTING LYMAN SYSTEM. ADVANTAGES OF APPROVAL: REPLACES LYMAN STORAGE TANK WHICH IS AT THE END OF ITS USEFUL LIFE. INCREASES EFFECTIVE AVAILABLE SUPPLY AS EXISTING TANK LEAKS. ADDITIONAL OPERATING COSTS: ANTICIPATED OPERATING COST REDUCTION RELATED TO PEAR STREET BOOSTER DECOMMISSIONING.	10,000,000	10,000,000	
					W88

Project Name	Year	Description	Amount	Total	Project #
TOTAL ORGANIC CARBON ANALYZER	2023	TOC ANALYZER DESCRIPTION: WE DON'T CURRENTLY HAVE A TOC ANALYZER IN THE LAB. IT WILL INCREASE EFFICIENCY BY ANALYZING SAMPLES ON SITE INSTEAD OF SENDING TO A LAB AND WAITING FOR RESULTS. TURN AROUND TIME WILL BE REDUCED SUBSTANTIALLY. ALTERNATIVES CONSIDERED: CONTINUE TO USE OUTSIDE LABS AND WAIT LONG PERIODS FOR RESULTS. ADVANTAGES OF APPROVAL: REDUCED LAB COSTS AND WAIT TIME. ADDITIONAL OPERATING COSTS: NONE	30,000 - - - - - - - - -	30,000	W90
3/4 TON FORD 4 WHEEL DRIVE REPLACEMENT	2024	3/4 TON FORD 4 WHEEL DRIVE REPLACEMENT DESCRIPTION: REPLACEMENT OF MAINTENANCE/SNOW PLOW VEHICLE. TRUCK GETS HEAVY USE AND IS CRITICAL TO OPERATIONS AND MAINTENANCE OF BOTH THE SOURDOUGH PLANT & LYMAN CREEK. IT IS A 2008 WITH HIGH MILEAGE. ALTERNATIVES CONSIDERED: RISK OF VEHICLE BREAKDOWN AND INCREASED REPAIR COSTS AS VEHICLE HAS HIGH MILEAGE & IS USED DAILY. ADVANTAGES OF APPROVAL: REDUCED MAINTENANCE COSTS AND DOWN TIME. ADDITIONAL OPERATING COSTS: NONE	60,000 - - - - - - - - -	60,000	W93

Project Name	Year	Description	Amount	Total	Project #
REPLACEMENT 1 TON TRUCK	2024	REPLACE 1 TON TRUCK 3361 DESCRIPTION: REPLACEMENT OF 2006 1 TON SERVICE TRUCK WITH 55328 MILES ALTERNATIVES CONSIDERED: RENT OR LEASE ADDITIONAL OPERATING COSTS: NONE CHANGES FROM LAST CIP: NONE	53,000 - - - - - -	53,000	W97
REPLACEMENT 1 TON TRUCK	2025	REPLACE 1 TON TRUCK 3402 DESCRIPTION REPLACE 2008 1 TON TRUCK WITH 57593 MILES ALTERNATIVES CONSIDERED LEASE OR RENT ADDITIONAL OPERATING COSTS NONE CHANGES FROM LAST CIP NONE	53,000 - - - - - -	53,000	W98
HYALITE GUARDRAIL EXTENSION	2021	HYALITE GUARDRAIL DESCRIPTION: THESE ARE MATCHING FUNDS TO THE FOREST SERVICE TO INSTALL GUARDRAIL ON HYALITE ROAD NEAR THE CITY'S WATER INTAKE. THERE WERE MULTIPLE CAR ACCIDENTS IN THIS VICINITY IN 2019 POTENTIALLY CONTAMINATING CITY WATER SUPPLY AT THE RAW WATER INTAKE. NEW GUARDRAIL WILL HELP PREVENT VEHICLE ACCIDENTS INTO THE CREEK. ALTERNATIVES CONSIDERED: ADD OPERATING COSTS: CHANGES FROM LAST CIP: NEW ITEM.	70,000 - - - - - - - - -	70,000	W99

Project Name	Year	Description	Amount	Total	Project #
REPLACE #3605 GMC CANYON	2024	REPLACE #3605 GMC CANYON DESCRIPTION: THIS VEHICLE REPLACES #3605 THAT HAS BEEN USED ROUTINELY FOR SAMPLING UNTIL 2018. IT CURRENTLY HAS OVER 50,000 MILES ON IT. ALTERNATIVES CONSIDERED: CONTINUE DRIVING #3605 AND RISK BREAK DOWNS & INCREASED MAINTENANCE COSTS ADVANTAGES TO APPROVAL: NEW VEHICLE WILL BE MORE RELIABLE & RESULT IN LOWER MAINTENANCE & REPAIR COSTS ADDITIONAL OPERATING COSTS: MINIMAL MAINTENANCE COSTS	45,000 - - - - - - - -	45,000	W100
WTP TANK OUTLET MONITOR	2025	WTP TANK OUTLET MONITORING DESCRIPTION: THE NEED TO MONITOR WATER QUALITY LEAVING THE WTP TANK IS GOING TO BECOME NECESSARY AS THE CITY ADDS REDUNDANT LINES TO TOWN. IN ORDER TO MEET CT REQUIREMENTS, CHLORINE, PH, AND FLOW WILL HAVE TO BE MONITORED AT THE OUTLET OF THE TANK. PUTTING A DOGHOUSE STRUCTURE WITH HEATING, POWER, AND VENTILATION TO HOUSE THE ANALYZER EQUIPMENT ON THE OUTLET PIPE OF THE WTP TANK WITH TAPS INTO THE PIP WILL ACCOMPLISH THIS. ALTERNATIVES CONSIDERED: NOT BEING ABLE TO USE THE WTP TANK FOR CT VALUE CALCULATION AND RISK BEING OUT OF COMPLIANCE. ADVANTAGES OF APPROVAL: BEING ABLE TO BETTER TRACK WATER QUALITY AND ADD CONNECTIONS BEFORE THE SOURDOUGH TANK AND AT THE END OF FUTURE PIPES TO TOWN. ADDITIONAL OPERATING COSTS: MINIMAL FOR CALIBRATION STANDARDS AND EQUIPMENT	100,000 - -	100,000	W101

Project Name	Year	Description	Amount	Total	Project #
REPLACE BACKHOE 1772	2023	REPLACE BACKHOE 1772	142,054	142,054	W102
		DESCRIPTION:	-		
		REPLACE 1996 BACKHOE WITH 5007 HOURS	-		
		ALTERNATIVES CONSIDERED			
		NONE			
		ADDITIONAL OPERATING COSTS			
		NONE			
		CHANGES FROM LAST CIP			
		NONE			
REPLACE DUMP TRUCK 3157	2023	REPLACE DUMP TRUCK 3157	132,203	132,203	W103
		DESCRIPTION:	-		
		REPLACE SINGLE AXLE DUMP TRUCK WITH DOUBLE AXLE EXISTING 2004 DUMP TRUCK WITH 34821 MILES	-		
		ALTERNATIVES CONSIDERED			
		NONE			
		ADDITIONAL OPERATING COSTS:			
		NONE			
		CHANGES FROM LAST CIP			
		NONE			
REPLACE BACKHOE 3293	2024	REPLACE BACKHOE	146,316	146,316	W104
		DESCRIPTION	-		
		REPLACE 2006 CATERPILLAR BACKHOE WITH 2856 HR	-		
		ALTERNATIVES CONSIDERED			
		RENT OR LEASE			
		ADDITIONAL OPERATION COSTS			
		NONE			
		CHANGES FROM LAST CIP			
		NONE			

Project Name	Year	Description	Amount	Total	Project #
REPLACE BACKHOE 3419	2025	REPLACE BACKHOE 3419	150,706	150,706	
		DESCRIPTION	-		
		REPLACE 2008 BACKHOE WITH 3077 HOURS	-		
		ALTERNATIVES CONSIDERED			W105
		NONE			
		ADDITIONAL OPERATING COSTS			
		NONE			
		CHANGES FROM LAST CIP			
		NONE			
SCADA MASTER PLAN	2022	SCADA MASTER PLAN	75,000	75,000	
		EVALUATE OPTIONS AND DEVELOP RECOMMENDATIONS	-		
		FOR AREA-WIDE NETWORK IMPLEMENTATION FOR PLANNED	-		
		REMOTE WATER INFRASTRUCTURE. DEVELOP SCADA DESIGN,	-		
		EQUIPMENT, AND SCADA TAGGING AND PROGRAMMING	-		
		STANDARDS. FORMULATE DATA ACCESSIBILITY AND SCADA	-		
		INTEGRATION WITH OTHER CITY APPLICATIONS.	-		
		ALTERNATIVES CONSIDERED:	-		W106
		STATUS QUO OPERATION OF LIMITED SCADA WITHIN	-		
		DISTRIBUTION SYSTEM AND PLANT.	-		
		ADD OPERATING COSTS:	-		
		UNKNOWN	-		
		CHANGES FROM LAST CIP:	-		
		MOVED FROM FY18.	-		

Project Name	Year	Description	Amount	Total	Project #
METER SOFTWARE SUBSCRIPTION	2021	METER SOFTWARE SUBSCRIPTION	36,000	36,000	
		DESCRIPTION:	-		
		SOFTWARE UPGRADES TO PROVIDE FOR FLOW MANAGEMENT	-		
		ALERTS TO CUSTOMERS & INDIVIDUALIZED WATER USE	-		
		TO CUSTOMERS AND INDIVIDUALIZED WATER USE	-		
		ASSESSMENTS. THIS PROJECT IS VITAL TO BOTH WATER	-		
		CONSERVATION & WATER & SEWER OPERATIONS. A	-		
		MECHANISM MUST BE ESTABLISHED TO ALERT CUSTOMERS	-		
		OF LEAKS & INEFFICIENT WATER USAGE IN REAL TIME.	-		
		DELAYS IN RELAYING THIS INFORMATION ARE COSTLY FOR	-		
		CUSTOMERS & HARM RELATIONS BETWEEN UTILITY &	-		
		FOR CUSTOMERS AND HARM RELATIONS BETWEEN UTILITY	-		
		AND CUSTOMERS. THIS PROJECT WILL PROVIDE BEST	-		
		STANDARDS FOR EMPOWERING CUSTOMERS WITH REAL TIME	-		
		PRACTICE STANDARDS FOR EMPOWERING CUSTOMERS WITH	-		
		INFORMATION ABOUT THEIR WATER USAGE.	-		
		REAL TIME INFORMATION ABOUT THEIR WATER USAGE.	-		
		ALTERNATIVES CONSIDERED:	-		
		NONE	-		
		ADVANTAGES OF APPROVAL:	-		
		CATCHES LEAKS VERY EARLY & EDUCATES CUSTOMERS	-		
		ABOUT INDIVIDUAL WATER USAGE TO REDUCE WATER	-		
		CONSUMPTION.	-		
		ADDITIONAL OPERATING COSTS:	-		
		NONE	-		
					WC02
					(FY21)

Project Name	Year	Description	Amount	Total	Project #
METER SOFTWARE SUBSCRIPTION	2022	METER SOFTWARE SUBSCRIPTION	36,000	36,000	
		DESCRIPTION:	-		
		SOFTWARE UPGRADES TO PROVIDE FOR FLOW MANAGEMENT	-		
		ALERTS TO CUSTOMERS & INDIVIDUALIZED WATER USE	-		
		ASSESSMENTS. THIS PROJECT IS VITAL TO BOTH WATER	-		
		CONSERVATION & WATER & SEWER OPERATIONS. A	-		
		MECHANISM MUST BE ESTABLISHED TO ALERT CUSTOMERS	-		
		OF LEAKS & INEFFICIENT WATER USAGE IN REAL TIME.	-		
		DELAYS IN RELAYING THIS INFORMATION ARE COSTLY FOR	-		
		CUSTOMERS & HARM RELATIONS BETWEEN UTILITY &	-		
		CUSTOMERS. THIS PROJECT WILL PROVIDE BEST PRACTICE	-		
		STANDARDS FOR EMPOWERING CUSTOMERS WITH REAL TIME	-		
		INFORMATION ABOUT THEIR WATER USAGE.	-		
		ALTERNATIVES CONSIDERED:	-		
		NONE	-		
		ADVANTAGES OF APPROVAL:	-		
		CATCHES LEAKS VERY EARLY & EDUCATES CUSTOMERS	-		
		ABOUT INDIVIDUAL WATER USAGE TO REDUCE WATER	-		
		CONSUMPTION.	-		
		ADDITIONAL OPERATING COST:	-		
		NONE	-		
					WC02
					(FY22)

Project Name	Year	Description	Amount	Total	Project #
METER SOFTWARE SUBSCRIPTION	2025	METER SOFTWARE SUBSCRIPTION DESCRIPTION: SOFTWARE UPGRADES TO PROVIDE FOR FLOW MGMT ALERTS TO CUSTOMERS AND INDIVIDUALIZED WATER USE ASSESSMENTS. THIS PROJECT IS VITAL FOR BOTH WATER CONSERVATION AND WATER & SEWER OPERATIONS. A MECHANISM MUST BE ESTABLISHED TO ALERT CUSTOMERS OF LEAKS AND INEFFICIENT WATER USAGE IN REAL TIME. DELAYS IN RELAYING THIS INFORMATION ARE COSTLY FOR CUSTOMERS AND HARM RELATIONS BETWEEN UTILITY AND CUSTOMERS. THIS PROJECT WILL PROVIDE BEST PRACTICE STANDARDS FOR EMPOWERING CUSTOMERS WITH NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED MAINTENANCE.	36,000 - - - - - - - - - -	36,000	WC02 (FY25)
WHEELED EXCAVATOR	UNSCHEDULED	ADVANTAGES OF APPROVAL: IF SYSTEMS FAIL, THEY NEED TO BE REPAIRED IMMEDIATELY. IF THE FAILURE IS UNEXPECTED, OTHER ITEMS THAT HAVE BEEN BUDGETED FOR WILL NEED TO BE POSTPONED. NOT ALL REPAIRS OR EQUIPMENT FAILURE CAN BE PREDICTED AND BUDGETED AS CAPITAL IMPROVEMENT PROJECTS. ADDITIONAL OPERATING COSTS: NONE	- - - - - - - - - -	155,000	WWW1

Project Name	Year	Description	Amount	Total	Project #
FACILITY CONDITION INVENTORY	2025	FACILITY CONDITION INVENTORY	3,900	3,900	
		DESCRIPTION:	-		
		CONDITION ASSESSMENT FOR ALL CITY-OWNED FACILITIES	-		
		THIS PROJECTS BUILDS ON PREVIOUS EFFORTS WHILE	-		
		ESTABLISHING A RECURRING FIVE YEAR CYCLE BASED ON	-		
		INDUSTRY BEST PRACTICE (STRATEGIC PLAN 7.3).	-		
		FUNDING WILL BE ALLOCATED ACROSS MULTIPLE DIVISION	-		
		BASED ON BUILDING SQUARE FOOTAGE.	-		
		ALTERNATIVES:	-		GF346
		CONTINUE TO RESPOND TO UNPLANNED MAINTENANCE NEEDS	-		
		ADVANTAGES:	-		
		A COMPREHENSIVE INVENTORY OF ALL BUILDING	-		
		DEFERRED MAINTENANCE WILL ALLOW FOR A MORE	-		
		PROACTIVE APPROACH TO PRIORITIZING NEEDED REPAIRS	-		
		RESULTING IN BETTER RISK MANAGEMENT AND REDUCED	-		
		LIFECYCLE COSTS.	-		
		ADD OPERATING COSTS: NONE.	-		