



## Commission Memorandum

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

**RECOMMENDATION:** Adopt the **Wastewater 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 15<sup>th</sup>. The Public Works, City Manager, and other city staff met in October and November to develop the attached Capital Plan for the equipment and capital needs of the Wastewater Fund. The Wastewater Fund CIP tracks the capital equipment replacements and construction projects for Wastewater Operations (collection system) and the Water Reclamation Facility (WRF).

### ***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.

<b>Fund</b>	<b>Division/Dept</b>	<b>% of Allocation</b>
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: Wastewater Fund CIP

# WASTEWATER FUND FINANCIAL SUMMARY

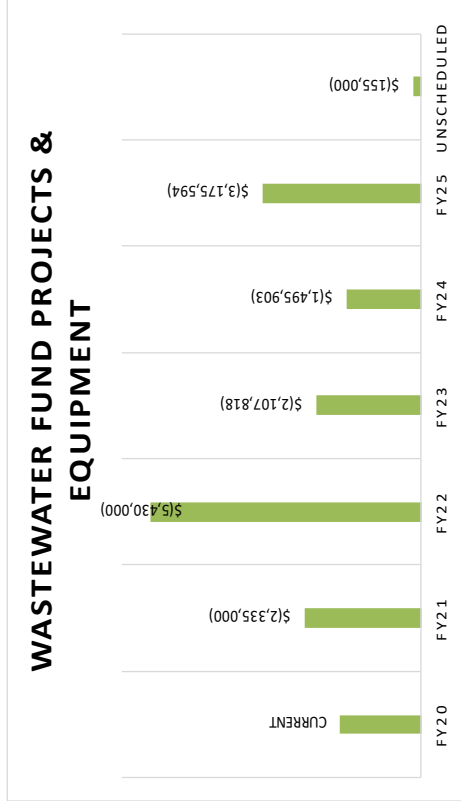
Financial Summary	Current Year		Projected			Unscheduled
	FY20	FY21	FY22	FY23	FY24	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 4,191,113	\$ 1,963,599	\$ 2,183,357	\$ 3,384,759	\$ 3,987,285	\$ 5,283,036
Plus: Wastewater Revenues Dedicated to CIP	\$ 2,480,349	\$ 2,554,759	\$ 2,631,402	\$ 2,710,344	\$ 2,791,654	\$ 2,875,404
Plus: SID Riverside Annexation (Estimated)		\$ 4,000,000				
Less: FY19 Carryover Capital	\$ (3,080,363)					
Less: Scheduled CIP Project Costs	\$ (1,627,500)	\$ (2,335,000)	\$ (5,430,000)	\$ (2,107,818)	\$ (1,495,903)	\$ (3,175,594)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 1,963,599</b>	<b>\$ 2,183,357</b>	<b>\$ 3,384,759</b>	<b>\$ 3,987,285</b>	<b>\$ 5,283,036</b>	<b>\$ 4,982,846</b>

## Assumptions Made for Revenue Estimates

	Current Year		Projected			
	FY20	FY21	FY22	FY23	FY24	FY25
Estimated Annual Wastewater Revenues	\$ 9,921,394	\$ 9,921,394	\$ 10,219,036	\$ 10,525,607	\$ 10,841,375	\$ 11,166,616
Estimated Annual Increase	0.0%	3%	3%	3%	3%	3%
Total Estimated Revenues	\$ 9,921,394	\$ 10,219,036	\$ 10,525,607	\$ 10,841,375	\$ 11,166,616	\$ 11,501,615
Current Revenues Dedicated to CIP %	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%

## Total Estimated Revenues Dedicated to CIP

\$ 2,480,349	\$ 2,554,759	\$ 2,631,402	\$ 2,710,344	\$ 2,791,654	\$ 2,875,404
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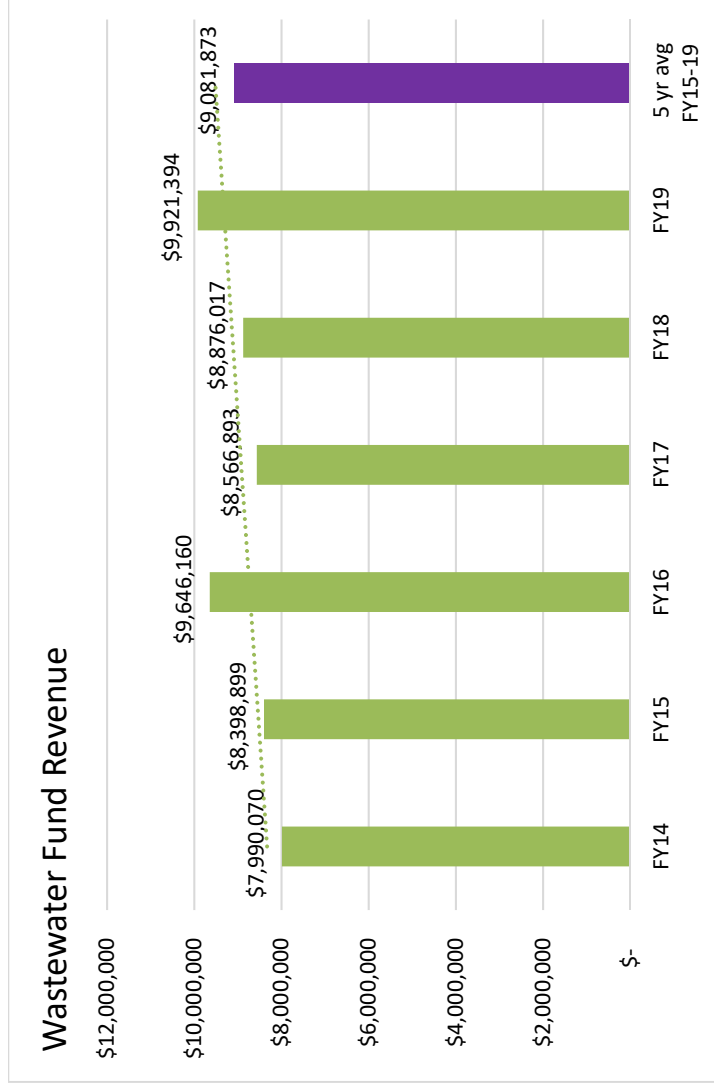
## WASTEWATER FUND PROJECT SUMMARY

Project #	Project Name	FY2021	FY2022	FY2023	FY2024	FY2025	Unscheduled
WW07	ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	25,000	25,000	25,000	25,000	25,000	-
WW08	WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-
WW69	SMALL WORKS PROJECTS	120,000	120,000	120,000	120,000	120,000	-
WW70	WRF FACILITY ENGINEERING & OPTIMIZATION	60,000	60,000	60,000	60,000	60,000	-
WW71	WRF FACILITY PLAN UPDATE	300,000	-	-	-	-	-
WW76	THIRD PRETREATMENT SCREEN	500,000	-	-	-	-	-
WW83	UFAT GRAVITY THICKENER DR	-	-	400,000	-	-	-
WW92	DEWATER PUMPS REPLACEMENT	-	150,000	-	-	-	-
WW96	E GALLATIN RIVER AVULSION	70,000	-	-	-	-	-
WW97	DIGESTER #4	-	-	-	-	1,300,000	-
WW100	REPLACE BACKHOE 2683	-	-	125,000	-	-	-
WW101	REPLACE SEWER JETTER	-	-	327,818	-	-	-
WW102	SEWER BYPASS PUMP	-	-	50,000	-	-	-
WW103	REPLACE DUMP TRUCK 3415	-	-	-	-	140,254	-
WW104	REPLACE SEWER TV VAN	-	-	-	290,903	-	-
WW105	REPLACE VACTOR	-	-	-	-	527,115	-
WW106	FIBER CONDUIT: DAVIS>WRF	69,000	-	-	-	-	-
WW107	FIBER CONDUIT: I-90 XING	36,000	-	-	-	-	-
WW1F47	WW COLLECTION PLAN UPDATE	125,000	-	-	-	-	-
WW1F49	WRF CAPACITY & NUTRIENT	-	-	-	-	-	UNKNOWN
WW1F50	JOINT MSU/DEQ.PILOT	30,000	-	-	-	-	-
WW1W1	WHEELED EXCAVATOR	-	-	-	-	-	155,000
W106	SCADA PLAN UPDATE	-	75,000	-	-	-	-
RSSID	RIVERSIDE ANNEXATION INFRASTRUCTURE	-	4,000,000	-	-	-	-
GF346	FACILITY CONDITION INVENTORY	-	-	-	-	3,225	-
<b>Fiscal Year totals</b>		<b>2,335,000</b>	<b>5,430,000</b>	<b>2,107,818</b>	<b>1,495,903</b>	<b>3,175,594</b>	<b>155,000</b>

## WASTEWATER FUND DETAIL

### BACKGROUND

This enterprise fund revenue source are rate fees charged to users. We estimate wastewater rates dedicated to capital will need to increase by at least 3% bringing the portion of Wastewater Utility revenues that support capital of 25% in order to fund this capital plan. A full rate-study and analysis is currently underway.



## CAPITAL PLAN SUMMARY

The plan has several recurring items, such as WW08 Wastewater Pipe Replacements, WW69 Small works projects, and WW70 WRF Facility Engine Optimization; have been scheduled based on current needs for approximately \$1 million a year. Wastewater 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 a back hoe (WW100), a Sewer Jetter (WW101), Replacing a sewer van (WW104) and replacing Vactor (WW105).

At the Water Reclamation Facility in FY21 WW71 WRF Facility Plan Update will compare past predictions of the loadings on the City's WRF with current loadings to aid in new projections for future planning. WW83 UFAT Gravity Thickener DR is a replacement of a deteriorated gravity thickener, which is crucial part of the solids treatment process that operate continuously. New to the plan in the fifth year (FY25) is WW97 Digester #4 which would construct a new digester would add redundancy to the facility.



Project Name	Year	Description	Amount	Total	Project #
ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	2021	ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	25,000 \$	25,000	
		<b>DESCRIPTION:</b>	-		
		THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED IN ANTICIPATION OF THE ANNUAL SYSTEM UPGRADES.	-		
		ANNUAL WASTEWATER PIPE REPLACEMENT PROJECTS	-		
		MINIMIZE SERVICE INTERRUPTIONS OR MAIN BREAKS	-		
		ATTRIBUTABLE TO AGING INFRASTRUCTURE. ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM PROJECTS	-		
		WOULD BE DELAYED IF NOT DONE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES SURVEY WORK NEEDED FOR DESIGN OF NECESSARY SEWER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE.	-		
			25,000 \$	25,000	<b>WW07 (FY21)</b>
ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	2022	ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	25,000 \$	25,000	
		<b>DESCRIPTION:</b>	-		
		THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED IN ANTICIPATION OF THE ANNUAL SYSTEM UPGRADES.	-		
		ANNUAL WASTEWATER PIPE REPLACEMENT PROJECTS	-		
		MINIMIZE SERVICE INTERRUPTIONS OR MAIN BREAKS.	-		
		ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM PROJECTS WOULD BE DELAYED IF NOT DONE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES SURVEY WORK NEEDED FOR DESIGN OF NECESSARY SEWER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		
			25,000 \$	25,000	<b>WW07 (FY22)</b>



Project Name	Year	Description	Amount	Total	Project #
ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	2023	ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	25,000	\$ 25,000	
		<b>DESCRIPTION:</b>	-		
		THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED EVERY OTHER YEAR, IN ANTICIPATION OF THE ANNUAL SYSTEM UPGRADES. ANNUAL WASTEWATER PIPE REPLACEMENT PROJECTS MINIMIZE SERVICE INTERRUPTIONS OR MAIN BREAKS. ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM PROJECTS WOULD BE DELAYED IF NOT DONE.	-		<b>WWW07</b>
		<b>ALTERNATIVES CONSIDERED:</b>	-		<b>(FY23)</b>
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES SURVEY WORK NEEDED FOR DESIGN OF NECESSARY SEWER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		
ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	2024	ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	25,000	\$ 25,000	
		<b>DESCRIPTION:</b>	-		
		THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED IN ANTICIPATION OF THE ANNUAL SYSTEM UPGRADES. ANNUAL WASTEWATER PIPE REPLACEMENT PROJECTS MINIMIZE SERVICE INTERRUPTIONS OR MAIN BREAKS. ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM PROJECTS WOULD BE DELAYED IF NOT DONE.	-		<b>WWW07</b>
		<b>ALTERNATIVES CONSIDERED:</b>	-		<b>(FY24)</b>
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES SURVEY WORK NEEDED FOR DESIGN OF NECESSARY SEWER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		

Project Name	Year	Description	Amount	Total	Project #
ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	2025	ANNUAL WASTEWATER PIPE REPLACEMENT PROGRAM-DESIGN	25,000	\$ 25,000	
		<b>DESCRIPTION:</b>	-		
		THIS ITEM PROVIDES FOR DESIGN WORK TO BE COMPLETED IN ANTICIPATION OF THE ANNUAL SYSTEM UPGRADES.	-		
		ANNUAL WASTEWATER PIPE REPLACEMENT PROJECTS	-		
		MINIMIZE SERVICE INTERRUPTIONS OR MAIN BREAKS.	-		
		ANNUAL WASTEWATER PIPE REPLACEMENT PGORAM PROJECTS WOULD BE DELAYED IF NOT DONE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES SURVEY WORK NEEDED FOR DESIGN OF NECESSARY SEWER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		
					<b>WW07 (FY25)</b>
WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	2021	WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION IN 2021	1,000,000	\$ 1,000,000	
		<b>DESCRIPTION:</b>	-		
		THIS PROJECT WOULD COMPLETE DESIGN, BID & BEGIN CONSTRUCTION IN THE SPRING/SUMMER OF 2021.	-		
		WORK WOULD COINCIDE WITH THE ANNUAL STREET RECONSTRUCTION PROJECT SCHEDULED FOR FY21. THE REMAINING BALANCE WILL BE USED TO CONTINUE SEWER REPLACEMENTS ON SEGMENTS IDENTIFIED AS NEEDING REPAIRS. THE CONDITION OF THE SEWER SYSTEM IS ANALYZED NIGHTLY TO ACCOUNT FOR DAILY UPDATES FROM THE WASTEWATER OPERATIONS DEPARTMENT.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES FOR THE CONSTRUCTION OF NECESSARY WASTEWATER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFECYCLE OF ALL PIPES.	-		
					<b>WW08 (FY21)</b>

Project Name	Year	Description	Amount	Total	Project #
WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	2022	WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION IN 2022	1,000,000	\$ 1,000,000	
		<b>DESCRIPTION:</b>	-		
		THIS PROJECT WOULD COMPLETE DESIGN, BID & BEGIN CONSTRUCTION IN THE SPRING/SUMMER OF 2022.	-		
		WORK WOULD COINCIDE WITH THE ANNUAL STREET RECONSTRUCTION SCHEDULED FOR FY22. THE REMAINING BALANCE WILL BE USED TO CONTINUE SEWER REPLACEMENTS ON SEGMENTS IDENTIFIED AS NEEDING REPAIRS. THE CONDITION OF THE SEWER SYSTEM IS ANALYZED NIGHTLY TO ACCOUNT FOR DAILY UPDATES FROM THE WASTEWATER OPERATIONS DEPARTMENT.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES FOR THE CONSTRUCTION OF NECESSARY WASTEWATER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COST:</b>	-		
		THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFECYCLE OF ALL PIPES.	-		
					<b>WW08 (FY22)</b>

Project Name	Year	Description	Amount	Total	Project #
WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	2023	WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION IN 2023	1,000,000	\$ 1,000,000	
		<b>DESCRIPTION:</b>	-		
		THIS PROJECT WOULD COMPLETE DESIGN, BID & BEGIN CONSTRUCTION IN THE SPRING/SUMMER OF 2023.	-		
		WORK WOULD COINCIDE WITH THE ANNUAL STREET RECONSTRUCTION SCHEDULED FOR FY23. THE REMAINING BALANCE WILL BE USED TO CONTINUE SEWER REPLACEMENTS ON SEGMENTS IDENTIFIED AS NEEDING REPAIRS. THE CONDITION OF THE SEWER SYSTEM IS ANALYZED NIGHTLY TO ACCOUNT FOR DAILY UPDATES FROM THE WASTEWATER OPERATIONS DEPARTMENT.	-		<b>WW08 (FY23)</b>
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES FOR THE CONSTRUCTION OF NECESSARY WASTEWATER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFECYCLE OF ALL PIPES.	-		

Project Name	Year	Description	Amount	Total	Project #
WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	2024	WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	1,000,000	\$ 1,000,000	
		<b>DESCRIPTION:</b>	-		
		THIS PROJECT WOULD COMPLETE DESIGN, BID & BEGIN CONSTRUCTION IN THE SPRING/SUMMER OF 2024. PRIORITY WILL BE PLACED ON SEWER REPLACEMENT IN THE SECTION OF STREET TO BE REPLACED THIS FISCAL YEAR IN THE STREET RECONSTRUCTION PROGRAM. THE REMAINING BALANCE WILL BE USED TO CONTINUE SEWER REPLACEMENT ON SEGMENTS IDENTIFIED AS NEEDING REPAIRS. THE CONDITION OF THE SEWER SYSTEM IS ANALYZED NIGHTLY TO ACCOUNT FOR DAILY UPDATES FROM THE WASTEWATER OPERATIONS DIVISION.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES FOR THE CONSTRUCTION OF NECESSARY WASTEWATER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFECYCLE OF ALL PIPES.	-		
					<b>WW08 (FY24)</b>

Project Name	Year	Description	Amount	Total	Project #
WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	2025	WASTEWATER PIPE REPLACEMENT PROGRAM-CONSTRUCTION	1,000,000	\$ 1,000,000	
		<b>DESCRIPTION:</b>	-		
		THIS PROJECT WOULD COMPLETE DESIGN, BID & BEGIN CONSTRUCTION IN THE SPRING/SUMMER OF 2024. PRIORITY WILL BE PLACED ON SEWER REPLACEMENT IN THE SECTION OF STREET TO BE REPLACED THIS FISCAL YEAR IN THE STREET RECONSTRUCTION PROGRAM. THE REMAINING BALANCE WILL BE USED TO CONTINUE SEWER REPLACEMENT ON SEGMENTS IDENTIFIED AS NEEDING REPAIRS. THE CONDITION OF THE SEWER SYSTEM IS ANALYZED NIGHTLY TO ACCOUNT FOR DAILY UPDATES FROM THE WASTEWATER OPERATIONS DIVISION.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NONE	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROVIDES FOR THE CONSTRUCTION OF NECESSARY WASTEWATER SYSTEM MAINTENANCE WORK.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		THIS PROJECT RESULTS IN A NET DECREASE IN OVERALL MAINTENANCE COSTS OVER THE LIFECYCLE OF ALL PIPES.	-		
					<b>WW08 (FY25)</b>

Project Name	Year	Description	Amount	Total	Project #
SMALL WORKS PROJECTS	2021	WRF FACILITY R & R	120,000	\$ 120,000	
		<b>DESCRIPTION:</b>	-		
		REPAIR & REPLACEMENT OF EQUIPMENT IS AN ONGOING	-		
		JOB AT THE BOZEMAN WRF. THESE FUNDS WOULD BE USED	-		
		TO REPAIR OR REPLACE EQUIPMENT THAT FAILS	-		
		UNEXPECTEDLY IN AN EMERGENCY SITUATION. AN	-		
		UNFORESEEN MECHANICAL FAILURE NEEDS TO BE	-		
		REMEDIED QUICKLY TO PROTECT THE QUALITY OF	-		
		FACILITY EFFLUENT DISCHARGED INTO THE EAST	-		
		GALLATIN.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		<b>WW69</b>
		NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED	-		<b>(FY21)</b>
		MAINTENANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		MOST PROCESSES RUN 24/7 AND HAVE BACKUP SYSTEMS	-		
		BUT WHEN THE FIRST SYSTEM FAILS THERE IS NO	-		
		BACKUP SYSTEM AND REPAIRS NEED TO BE MADE	-		
		IMMEDIATELY. NOT ALL REPAIRS OR EQUIPMENT	-		
		FAILURES CAN BE PREDICTED & BUDGETED AS A	-		
		CAPITAL IMPROVEMENT PROJECT.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		

Project Name	Year	Description	Amount	Total	Project #
SMALL WORKS PROJECTS	2022	WRF FACILITY R & R	120,000	\$ 120,000	
		<b>DESCRIPTION:</b>	-		
		REPAIR & REPLACEMENT OF EQUIPMENT IS AN ONGOING	-		
		JOB AT THE BOZEMAN WRF. THESE FUNDS WOULD BE USED	-		
		TO REPAIR OR REPLACE EQUIPMENT THAT FAILS	-		
		UNEXPECTEDLY IN AN EMERGENCY SITUATION. AN	-		
		UNFORESEEN MECHANICAL FAILURE NEEDS TO BE REMEDIED	-		
		QUICKLY TO PROTECT THE QUALITY OF FACILITY	-		
		EFFLUENT DISCHARGED INTO THE EAST GALLATIN.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED	-		
		MAINTENANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		MOST PROCESSES RUN 24/7 & HAVE BACKUP SYSTEMS BUT	-		
		WHEN THE FIRST SYSTEM FAILS THERE IS NO BACKUP	-		
		SYSTEM & REPAIRS NEED TO BE MADE IMMEDIATELY. NOT	-		
		ALL REPAIRS OR EQUIPMENT FAILURES CAN BE PREDICTED	-		
		& BUDGETED AS A CAPITAL IMPROVEMENT PROJECT.	-		
		<b>ADDITIONAL OPERATING COST:</b>	-		
		NONE	-		
					<b>WW69</b>
					<b>(FY22)</b>



Project Name	Year	Description	Amount	Total	Project #
SMALL WORKS PROJECTS	2023	WRF FACILITY R & R	120,000	\$ 120,000	
		<b>DESCRIPTION:</b>	-		
		REPAIR & REPLACEMENT OF EQUIPMENT IS AN ONGOING	-		
		JOB AT THE BOZEMAN WRF. THESE FUNDS WOULD BE USED	-		
		TO REPAIR OR REPLACE EQUIPMENT THAT FAILS	-		
		UNEXPECTEDLY IN AN EMERGENCY SITUATION. AN	-		
		UNFORESEEN MECHANICAL FAILURE NEEDS TO BE REMEDIED	-		
		QUICKLY TO PROTECT THE QUALITY OF FACILITY	-		
		EFFLUENT DISCHARGED INTO THE EAST GALLATIN.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED	-		
		MAINTENANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		MOST PROCESSES ARE 24/7 & HAVE BACKUP SYSTEMS BUT	-		
		WHEN THE FIRST SYSTEM FAILS THERE IS NO BACKUP	-		
		SYSTEM & REPAIRS NEED TO BE MADE IMMEDIATELY. NOT	-		
		ALL REPAIRS OR EQUIPMENT FAILURES CAN BE PREDICTED	-		
		& BUDGETED AS A CAPITAL IMPROVEMENT PROJECT.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		
					<b>WW69</b>
					<b>(FY23)</b>

Project Name	Year	Description	Amount	Total	Project #
SMALL WORKS PROJECTS	2024	WRF FACILITY R & R	120,000	\$ 120,000	
		<b>DESCRIPTION:</b>	-		
		REPAIR & REPLACEMENT OF EQUIPMENT IS AN ONGOING	-		
		JOB AT THE BOZEMAN WRF. THESE FUNDS WOULD BE USED	-		
		TO REPAIR OR REPLACE EQUIPMENT THAT FAILS	-		
		UNEXPECTEDLY IN AN EMERGENCY SITUATION. AN	-		
		UNFORESEEN MECHANICAL FAILURE NEEDS TO BE REMEDIED	-		
		QUICKLY TO PROTECT THE QUALITY OF FACILITY	-		
		EFFLUENT DISCHARGED INTO THE EAST GALLATIN.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED	-		
		MAINTENANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		MOST PROCESSES ARE 24/7 AND HAVE BACKUP SYSTEMS	-		
		BUT WHEN THE FIRST SYSTEM FAILS THERE IS NO	-		
		BACKUP SYSTEM & REPAIRS NEED TO BE MADE	-		
		IMMEDIATELY. NOT ALL REPAIRS OR EQUIPMENT FAILURES	-		
		CAN BE PREDICTED OR BUDGETED AS A CAPITAL	-		
		IMPROVEMENT PROJECT.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		
					<b>WW69</b>
					<b>(FY24)</b>

Project Name	Year	Description	Amount	Total	Project #
SMALL WORKS PROJECTS	2025	WRF FACILITY R & R	120,000	\$ 120,000	
		<b>DESCRIPTION:</b>	-		
		REPAIR & REPLACEMENT OF EQUIPMENT IS AN ONGOING	-		
		JOB AT THE BOZEMAN WRF. THESE FUNDS WOULD BE USED	-		
		TO REPAIR OR REPLACE EQUIPMENT THAT FAILS	-		
		UNEXPECTEDLY IN AN EMERGENCY SITUATION. AN	-		
		UNFORESEEN MECHANICAL FAILURE NEEDS TO BE REMEDIED	-		
		QUICKLY TO PROTECT THE QUALITY OF FACILITY	-		
		EFFLUENT DISCHARGED INTO THE EAST GALLATIN.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		NOT HAVING THIS FUND WOULD DEFER OTHER NEEDED	-		
		MAINTENANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		MOST PROCESSES ARE 24/7 AND HAVE BACKUP SYSTEMS	-		
		BUT WHEN THE FIRST SYSTEM FAILS THERE IS NO	-		
		BACKUP SYSTEM & REPAIRS NEED TO BE MADE	-		
		IMMEDIATELY. NOT ALL REPAIRS OR EQUIPMENT FAILURES	-		
		CAN BE PREDICTED OR BUDGETED AS A CAPITAL	-		
		IMPROVEMENT PROJECT.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		NONE	-		
					<b>WW69</b>
					<b>(FY25)</b>

Project Name	Year	Description	Amount	Total	Project #
WRF FACILITY ENGINEERING & OPTIMIZATION	2021	WRF FACILITY ENGINEERING & OPTIMIZATION	50,000	\$ 60,000	
		<b>DESCRIPTION:</b>	-		
		THIS WILL ALLOW ENGINEERING TO BE COMPLETED ON NEEDED PROJECTS AND TO STUDY PLANT OPTIMIZATION OPTIONS BEFORE SPENDING MONEY ON EQUIPMENT THAT MIGHT NOT BE NEEDED OR THE PROPER TYPE. ADDITIONALLY, THIS WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THE PROPOSED PLANT OPTIMIZATIONS WILL ACTUALLY IMPROVE THE EFFLUENT QUALITY AT A REASONABLE EXPENSE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		ORDER REPLACEMENT OR UPGRADES TO EQUIPMENT THAT MAY NOT BE SIZED CORRECTLY OR MADE OF THE PROPER MATERIALS. PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		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.	-		
		<b>ADDITIONAL OPERATING COST:</b>	-		
		UNKNOWN	-		
		<b>INCREASE:</b>	10,000		
		INCREASE SERVICE COSTS	-		
					<b>WW70 (FY21)</b>

Project Name	Year	Description	Amount	Total	Project #
WRF FACILITY ENGINEERING & OPTIMIZATION	2022	WRF FACILITY ENGINEERING & OPTIMIZATION	50,000	\$ 60,000	
		<b>DESCRIPTION:</b>	-		
		THIS WILL ALLOW ENGINEERING TO BE COMPLETED ON NEEDED PROJECTS AND TO STUDY PLANT OPTIMIZATION OPTIONS BEFORE SPENDING MONEY ON EQUIPMENT THAT MIGHT NOT BE NEEDED OR THE PROPER TYPE. ADDITIONALLY, THIS WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THE PROPOSED PLANT OPTIMIZATIONS WILL ACTUALLY IMPROVE THE EFFLUENT QUALITY AT A REASONABLE EXPENSE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		ORDER REPLACEMENT OR UPGRADES TO EQUIPMENT THAT MAY NOT BE SIZED CORRECTLY OR MADE OF THE PROPER MATERIALS. PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		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.	-		
		<b>ADDITIONAL OPERATING COST:</b>	-		
		UNKNOWN	-		
		<b>INCREASE:</b>	10,000		
		INCREASE SERVICE COSTS	-		
					<b>WW70 (FY22)</b>

Project Name	Year	Description	Amount	Total	Project #
WRF FACILITY ENGINEERING & OPTIMIZATION	2023	WRF FACILITY ENGINEERING & OPTIMIZATION	50,000	\$ 60,000	
		<b>DESCRIPTION:</b>	-		
		THIS WILL ALLOW ENGINEERING TO BE COMPLETED ON NEEDED PROJECTS AND TO STUDY PLANT OPTIMIZATION OPTIONS BEFORE SPENDING MONEY ON EQUIPMENT THAT MIGHT NOT BE NEEDED OR THE PROPER TYPE. ADDITIONALLY, THIS WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THE PROPOSED PLANT OPTIMIZATIONS WILL ACTUALLY IMPROVE THE EFFLUENT QUALITY AT A REASONABLE EXPENSE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		ORDER REPLACEMENT OR UPGRADES TO EQUIPMENT THAT MAY NOT BE SIZED CORRECTLY OR MADE OF THE PROPER MATERIALS. PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		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.	-		
		<b>ADDITIONAL OPERATING COST:</b>	-		
		UNKNOWN	-		
		<b>INCREASE:</b>	10,000		
		INCREASE SERVICE COSTS	-		
					<b>WW70 (FY23)</b>

Project Name	Year	Description	Amount	Total	Project #
WRF FACILITY ENGINEERING & OPTIMIZATION	2024	WRF FACILITY ENGINEERING & OPTIMIZATION	50,000	\$ 60,000	
		<b>DESCRIPTION:</b>	-		
		THIS WILL ALLOW ENGINEERING TO BE COMPLETED ON NEEDED PROJECTS AND TO STUDY PLANT OPTIMIZATION OPTIONS BEFORE SPENDING MONEY ON EQUIPMENT THAT MIGHT NOT BE NEEDED OR THE PROPER TYPE. ADDITIONALLY, THIS WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THE PROPOSED PLANT OPTIMIZATIONS WILL ACTUALLY IMPROVE THE EFFLUENT QUALITY AT A REASONABLE EXPENSE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		ORDER REPLACEMENT OR UPGRADES TO EQUIPMENT THAT MAY NOT BE SIZED CORRECTLY OR MADE OF THE PROPER MATERIALS. PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		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.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		UNKNOWN	-		
		<b>INCREASE:</b>	10,000		
		INCREASE SERVICE COSTS	-		
					<b>WW70 (FY24)</b>

Project Name	Year	Description	Amount	Total	Project #
WRF FACILITY ENGINEERING & OPTIMIZATION	2025	WRF FACILITY ENGINEERING & OPTIMIZATION	60,000	\$ 60,000	
		<b>DESCRIPTION:</b>	-		
		THIS WILL ALLOW ENGINEERING TO BE COMPLETED ON NEEDED PROJECTS AND TO STUDY PLANT OPTIMIZATION OPTIONS BEFORE SPENDING MONEY ON EQUIPMENT THAT MIGHT NOT BE NEEDED OR THE PROPER TYPE. ADDITIONALLY, THIS WILL ALLOW STUDIES TO BE CONDUCTED TO MAKE SURE THE PROPOSED PLANT OPTIMIZATIONS WILL ACTUALLY IMPROVE THE EFFLUENT QUALITY AT A REASONABLE EXPENSE.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		ORDER REPLACEMENT OR UPGRADES TO EQUIPMENT THAT MAY NOT BE SIZED CORRECTLY OR MADE OF THE PROPER MATERIALS. PROCEED WITH OPTIMIZATION PROJECTS WITHOUT KNOWING IF THE PROJECT WILL ACTUALLY IMPROVE PLANT PERFORMANCE.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		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.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		UNKNOWN	-		
			300,000	\$ 300,000	
WRF FACILITY PLAN UPDATE	2021	WRF FACILITY MASTER PLAN UPDATE			
		<b>DESCRIPTION:</b>	-		
		THE MASTER PLAN UPDATE WILL COMPARE PAST PREDICTIONS OF THE LOADINGS ON THE CITY'S WRF WITH CURRENT LOADINGS. NEW PROJECTIONS WILL BE MADE USING THESE DATA TRENDS TO DETERMINE THE BEST COURSE OF ACTION & SEQUENCING OF PROJECTS TO MEET THE NEEDS OF THE FACILITY TO ACCOMMODATE FUTURE GROWTH.	-		
					<b>WW70 (FY24)</b>
					<b>WW71</b>



Project Name	Year	Description	Amount	Total	Project #
THIRD PRETREATMENT SCREEN	2021	THIRD PRETREATMENT SCREEN	500,000	\$ 500,000	
		<b>DESCRIPTION:</b>	-		
		PURCHASE A THIRD PRETREATMENT SCREEN & THE ENGINEERING TO PROPERLY INSTALL IT. THE TWO INSTALLED PRETREATMENT SCREENS ARE RUNNING 24/7 SO THERE IS NO REDUNDANCY TO THE SYSTEM. ADDING A THIRD SCREEN WILL INCREASE THE CAPACITY OF PRETREATMENT TO HANDLE INCREASED FLOWS FROM GROWTH WITHOUT BYPASSING THE SCREENS. THIS SCREEN WILL PREVENT THE CLOGGING OF PIPES & PUMPS & WILL PRESERVE THE EFFLUENT QUALITY OF THE FACILITY, & ALL EQUIPMENT DOWNSTREAM OF THE SCREENS WILL BE BETTER PROTECTED. PIPES & PUMPS THAT ARE NOT PLUGGED RUN MORE EFFICIENTLY & REQUIRE LESS ENERGY TO RUN.	-		<b>WW76</b>
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		DO NOTHING & RUN THE RISK OF HAVING TO BYPASS THE EXISTING SCREENS BECAUSE THEY CANNOT HANDLE THE LOAD COMING INTO THE PLANT.	-		
		<b>ADVANTAGES OF APPROVAL:</b>	-		
		PROTECTING DOWNSTREAM INFRASTRUCTURE BY NOT HAVING TO BYPASS THE SCREENS.	-		
		<b>ADDITIONAL OPERATING COSTS:</b>	-		
		ADDITIONAL COST OF ELECTRICITY FOR THE MOTORS ON THE SCREEN.	-		
UFAT GRAVITY THICKENER DR	2023	UFAT GRAVITY THICKENER DR	400,000	\$ 400,000	
		<b>DESCRIPTION:</b>	-		
		REPLACEMENT OF DETERIORATED GRAVITY THICKENER MECHANISM. THIS THICKENING EQUIPMENT IS A CRUCIAL PART OF THE SOLIDS TREATMENT PROCESS AN MUST OPERATE CONTINUOUSLY.	-		<b>WW83</b>
		<b>ALTERNATIVES:</b>	-		
		NONE, THIS IS A NECESSARY SPECIALIZED PROCESS.	-		
		<b>ADDITIONAL COST:</b>	-		
		NONE	-		

Project Name	Year	Description	Amount	Total	Project #
DEWATER PUMPS REPLACEMENT	2022	<p><b>DESCRIPTION:</b> THIS PROJECT WOULD PROVIDE FOR THE REPLACEMENT OF THREE CRITICAL PUMPS THAT ARE NEARING THE END OF THEIR RELIABLE LIFE. THERE ARE TWO - 20HP PUMPS AS WELL AS ONE- 5 HP.</p> <p><b>ALTERNATIVES:</b> THESE PUMPS HAVE NO REDUNDANCY. DUE TO THEIR AGE REPLACEMENT PARTS CAN NOT BE LOCATED.</p> <p><b>ADVANTAGE OF APPROVAL:</b> ASSURANCE OF RELIABLE OPERATION OF PUMPS WHEN NECESSARY MAINTENANCE IS PERFORMED.</p> <p><b>OPERATING COST:</b> INSTALLATION OF THESE NEW PUMPS SHOULD LOWER THE COST OF OPERATION BECAUSE OF HIGHER EFFICIENCY</p>	150,000	\$ 150,000	WW92
EAST GALLATIN RIVER AVULSION RESTORATION	2021	<p><b>DESCRIPTION:</b> E GALLATIN RIVER AVULSION RESTORATION LOMR</p> <p>PROFESSIONAL ENGINEERING SERVICES TO COMPLETE A LETTER OF MAP REVISION APPLICATION TO FEMA FOR THE EAST GALLATIN RIVER AVULSION.</p>	70,000	\$ 70,000	WW96
DIGERSTER #4	2025	<p><b>DESCRIPTION:</b> CONSTRUCTION OF 4TH ANAEROBIC DIGESTER</p> <p><b>ALTERNATIVES CONSIDERED:</b> DO NOTHING. THIS HAS BEEN OUR CURRENT STRATEGY. HOWEVER, WITHOUT THIS ADDITIONAL REDUNDANCY WE RUN THE RISK OF HAVING A SOLIDS HANDLING DILEMA IF DIGESTOR #3 IS EVER OUT OF SERVICE. THERE IS NO BYPASS OR WORK AROUND ON THIS CRITICAL PROCESS.</p> <p><b>CHANGES FROM LAST:</b> THIS IS A NEW PROJECT CREATED IN FY20</p> <p><b>ADDITIONAL OPERATING COST:</b> UNKNOWN</p>	1,300,000	\$ 1,300,000	WW97

Project Name	Year	Description	Amount	Total	Project #
REPLACE BACKHOE 2683	2023	REPLACE BACKHOE 2683	125,000	\$ 125,000	
		<b>DESCRIPTION</b>	-		
		REPLACE 2000 JOHN DEERE BACKHOE WITH 3071 HOURS	-		
		<b>ALTERNATIVES CONSIDERED</b>	-		<b>WW100</b>
		LEASE OR RENT	-		
		<b>ADDITIONAL OPERATING COSTS</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP</b>	-		
		NONE	-		
REPLACE SEWER JETTER	2023	REPLACE SEWER JETTER 3031	327,818	\$ 327,818	
		<b>DESCRIPTION</b>	-		
		REPLACE 2003 SEWER JETTER WITH 52679 MILES	-		
		<b>ALTERNATIVES CONSIDERED</b>	-		<b>WW101</b>
		LEASE	-		
		<b>ADDITIONAL OPERATING COSTS</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP</b>	-		
		NONE	-		
SEWER BYPASS PUMP	2023	SEWER BYPASS PUMP	50,000	\$ 50,000	
		<b>DESCRIPTION</b>	-		
		6" BYPASS PUMP TO BACKUP EXISTING PUMP AND TO	-		
		ALLOW INCREASED PUMPING OF DAVIS LN LIFT STATION	-		
		<b>ALTERNATIVES CONSIDERED</b>	-		<b>WW102</b>
		RENT OR LEASE	-		
		<b>ADDITIONAL OPERATING COSTS</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP</b>	-		
		NONE	-		

Project Name	Year	Description	Amount	Total	Project #
REPLACE DUMP TRUCK 3415	2025	REPLACE DUMP TRUCK 3415	140,254	\$ 140,254	<b>WW103</b>
		<b>DESCRIPTION</b>	-		
		REPLACE 2008 DUMP TRUCK WITH 30311 MILES	-		
		<b>ALTERNATIVES CONSIDERED</b>	-		
		RENT OR LEASE	-		
		<b>ADDITIONAL OPERATING COSTS</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP</b>	-		
		NONE	-		
REPLACE SEWER TV VAN	2024	REPLACE SEWER TV VAN 3406	290,903	\$ 290,903	<b>WW104</b>
		<b>DESCRIPTION</b>	-		
		REPLACE 2008 TV VAN WITH 31244 MILES	-		
		THIS UNIT HAS BEEN REFURBISHED ONCE ALREADY	-		
		<b>ALTERNATIVES CONSIDERED</b>	-		
		NONE	-		
		<b>ADDITIONAL OPERATING COSTS</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP</b>	-		
		NONE	-		
REPLACE VACTOR	2025	REPLACE VACTOR	527,115	\$ 527,115	<b>WW105</b>
		<b>DESCRIPTION</b>	-		
		REPLACE 2015 VACTOR	-		
		<b>ALTERNATIVES CONSIDERED</b>	-		
		RENT OR LEASE	-		
		<b>ADDITIONAL OPERATING COSTS</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP</b>	-		
		NONE	-		
FIBER CONDUIT: DAVIS > WRF	2021	DAVIS LIFT STATION TO WRF FIBER CONDUIT	69,000	\$ 69,000	<b>WW106</b>
		<b>DESCRIPTION:</b>	-		
		EXTEND FIBER CONDUIT FROM THE DAVIS LIFT STATION TO THE WRF.	-		
		<b>CHANGES FROM LAST CIP:</b>	-		
		NEW ITEM	-		

Project Name	Year	Description	Amount	Total	Project #
FIBER CONDUIT: I-90 XING	2021	FIBER CONDUIT I-90 CROSSING	36,000 \$	36,000	<b>WW107</b>
		<b>DESCRIPTION:</b>	-		
		EXTEND FIBER CONDUIT ACROSS I-90	-		
		<b>CHANGES FROM LAST CIP:</b>	-		
		NEW ITEM	-		
WASTEWATER COLLECTION PLAN UPDATE	2021	WASTEWATER COLLECTION PLAN UPDATE	125,000 \$	125,000	<b>WWIF47</b>
		<b>DESCRIPTION:</b>	-		
		GIVEN RAPID GROWTH AND THE DESIRE FOR INCREASED INFILL DENSITIES UPDATE THE WASTEWATER COLLECTION FACILITIES PLAN. THE HYDRAULIC MODEL UPDATE IN FY20 WILL BE A PREREQUISITE EFFORT FOR THIS UPDATE	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		
		CONTINUE IMPLEMENTING THE RECOMMENDATIONS PROVIDED IN THE PREVIOUS PLAN.	-		
		<b>ADD OPERATING COSTS:</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP:</b>	-		
		NEW ITEM	-		
			-		
WRF CAPACITY & NUTRIENT UPGRADES	NSCHEDULED	WRF CAPACITY & NUTRIENT UPGRADES	UNKNOWN	UNKNOWN	<b>WWIF49</b>
		<b>DESCRIPTION:</b>	-		
		DUE TO GROWTH ON OUR SYSTEM, WE WILL NEED TO EXPAND THE CAPACITY OF THE WRF.	-		
		THE MONTANA DEQ DISCHARGE PERMIT REQUIREMENTS ARE BECOMING SIGNIFICANTLY MORE STRINGENT. THIS UPGRADE WILL INCLUDE TECHNOLOGY UPGRADES FOR MORE STRINGENT PERMIT REQUIREMENTS.	-		
		FUNDING: \$10M WWIF 630 AND \$50M WW620	-		
		JOINT MSU/DEQ WETLAND PILOT STUDY AT WRF	30,000 \$	30,000	
		<b>DESCRIPTION:</b>	-		
		GRANT MATCH TO PERFORM DESIGN WORK FOR A PILOT OF A MODERN TREATMENT WETLAND TECHNOLOGY TO BE IMPLEMENTED AT THE WRF BY MSU. THIS MAY RESULT IN FUTURE CAPITAL SAVINGS WHEN WE UPGRADE THE WRF.	-		
			-		
			-		
JOINT MSU/DEQ WETLAND PILOT STUDY AT WRF	2021	JOINT MSU/DEQ WETLAND PILOT STUDY AT WRF	30,000 \$	30,000	<b>WWIF50</b>
		<b>DESCRIPTION:</b>	-		
		GRANT MATCH TO PERFORM DESIGN WORK FOR A PILOT OF A MODERN TREATMENT WETLAND TECHNOLOGY TO BE IMPLEMENTED AT THE WRF BY MSU. THIS MAY RESULT IN FUTURE CAPITAL SAVINGS WHEN WE UPGRADE THE WRF.	-		
			-		

Project Name	Year	Description	Amount	Total	Project #
WHEELED EXCAVATOR	2022	WHEELED EXCAVATOR	155,000	\$ 155,000	
		<b>DESCRIPTION:</b>	-		
		EXCAVATOR WILL ALLOW US TO DIG DOWN TO 20FT	-		
		CURRENTLY WE ARE LIMITED TO 12FT /SPLIT WITH WWOPS	-		
		<b>ALTERNATIVES CONSIDERED</b>	-		<b>WWW1</b>
		RENT OR LEASE	-		
		<b>ADDITIONAL OPERATING COSTS</b>	-		
		NONE	-		
		<b>CHANGES FROM LAST CIP</b>	-		
		NONE	-		
<b>SCADA MASTER PLAN</b>	<b>2022</b>	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.	-		
		<b>ALTERNATIVES CONSIDERED:</b>	-		<b>W106</b>
		STATUS QUO OPERATION OF LIMITED SCADA WITHIN	-		
		DISTRIBUTION SYSTEM AND PLANT.	-		
		<b>ADD OPERATING COSTS:</b>	-		
		UNKNOWN	-		
		<b>CHANGES FROM LAST CIP:</b>	-		
		MOVED FROM FY18.	-		
<b>RIVERSIDE ANNEXATION</b>	<b>2022</b>	RIVERSIDE ANNEXATION INFRASTRUCTURE	4,000,000	\$ 4,000,000	
<b>INFRASTRUCTURE</b>		<b>DESCRIPTION:</b>	-		<b>RSSID</b>
		RIVERSIDE IS LOOKING TO ANNEX AND CONNET TO	-		
		CITY WASTEWATER. THE NEEDED INFRASTRUCTURE TO	-		
		CONNECT WILL BE FUNDED THROUGH AN SID	-		

Project Name	Year	Description	Amount	Total	Project #
FACILITY CONDITION INVENTORY	2025	FACILITY CONDITION INVENTORY	3,225	\$ 3,225	
		<b>DESCRIPTION:</b>	-		
		CONDITION ASSESSMENT FOR ALL CITY-OWNED FACILITIES	-		
		THIS PROJECTS BUILDS ON PREVIOUS EFFORTS WHILE	-		
		<b>ESTABLISHING A RECURRING FIVE YEAR CYCLE BASED ON</b>	-		
		INDUSTRY BEST PRACTICE (STRATEGIC PLAN 7.3).	-		
		<b>FUNDING WILL BE ALLOCATED ACROSS MULTIPLE DIVISION</b>	-		
		BASED ON BUILDING SQUARE FOOTAGE.	-		
		<b>ALTERNATIVES:</b>	-		<b>GF346</b>
		CONTINUE TO RESPOND TO UNPLANNED MAINTENANCE NEEDS	-		
		ADVANTAGES:	-		
		<b>A COMPREHENSIVE INVENTORY OF ALL BUILDING</b>	-		
		DEFERRED MAINTENANCE WILL ALLOW FOR A MORE	-		
		PROACTIVE APPROACH TO PRIORITIZING NEEDED REPAIRS	-		
		<b>RESULTING IN BETTER RISK MANAGEMENT AND REDUCED</b>	-		
		LIFECYCLE COSTS.	-		
		<b>ADD OPERATING COSTS: NONE.</b>	-		