FIVE-YEAR CAPITAL IMPROVEMENT PLAN

2024



THE MISSION OF THE GREEN BAY WATER UTILITY IS
TO PROVIDE A RELIABLE, HIGH-QUALITY
DRINKING WATER SUPPLY
WITH EXCEPTIONAL CUSTOMER SERVICE AND VALUE.

GREEN BAY WATER UTILITY CAPITAL IMPROVEMENT PLAN PROGRAM DEVELOPMENT

It is the intent of the Green Bay Water Utility to maintain a Capital Improvement Plan both to provide physical facilities that are responsive to the needs and demands of the Utility and Utility customers and to be supportive of the long and short range economic, social and environmental development policies of the Utility.

Development of the Five-Year Capital Improvement Plan entails planning together by the various departments within the Utility and with the Business Manager and General Manager. Project requests are submitted by departments in preparation of their operating budget requests. Project and operating budget requests are reviewed by the General Manager in order to develop a capital program and to balance the operating impacts of projects and their funding sources. The Five-Year Capital Improvement Plan is updated each year as an essential component of budget development.

The Five-Year Capital Improvement Plan serves as a planning tool for future growth and development within the Utility. Funds are appropriated in the budget for the current year only, with subsequent years being separately authorized with that year's budget. Sound planning, project descriptions and accurate cost estimates aid in the formulation of a plan that is used as a valuable management tool in accomplishing needed capital improvements within the Utility's ability to pay.

Expenditures consist of a permanent addition to the Utility's assets of major importance and cost and according to Public Service Commission (PSC) definitions. The cost of land acquisition, construction, renovation and equipment are included. Capital Plan assets should have a multi-year useful life or extend the useful life of an existing asset. The Plan includes projects costing approximately \$10,000 or greater.

Funding is provided by user fees "rates" charged to the customers who receive services provided by the Utility. Funding can also be generated through the borrowing of funds (principal) at a cost (interest). Revenue bonds are the main instrument used.

Significant operating and maintenance expenses that are related to maintaining the Utility's capital assets are also included. These are non-frequent or one-time expenses that do not meet the PSC definitions of capital assets but that would have significant effects on our operating budget in a given year. Projects costing \$300,000 or above are included. These expenses would mostly likely be funded by borrowing of funds and/or recovered through user fees over a number of years.

GREEN BAY WATER UTILITY CAPITAL IMPROVEMENT PLAN 2023 PROJECT STATUS

		2023 Budget	2023 Projected or	•
Project	Dept.	Amount	Actual Cost	2023 Projected Status
Firewall Upgrade	Administrative	\$ 15,000) -	Carry forward to 2024
Miscellaneous Computer Upgrades	Administrative	20,000	50,000	Complete
Phone System Upgrade	Administrative	65,00) -	Carry forward to 2024
Server Optimization Upgrades and Storage Enhancements	Administrative	30,00	20,000	Complete
Vehicle/Equipment Replacement Program Summary	Distribution	85,00	85,000	Complete
Small Equipment	Distribution	45,00	24,000	Complete
Small Safety Equipment	Distribution	10,000	1,000	Complete
Water Utility Installs of Services, Hydrants, Valves & Mains	Distribution	700,00	750,000	Complete
Cityworks Upgrades and Implementations	Engineering	50,00	100,000	Complete
GIS (ESRI) Upgrade and Implementations	Engineering	10,000) -	Carry forward to 2024
Water Main Relays	Engineering	4,960,00	3,700,000	Complete
Meter Replacement	Metering & Cross Connection	370,22	600,000	Complete
Generator Addition at Lake Station	Pumping	200,00	70,000	Carry forward to 2024
PLC Replacement	Pumping	80,00	100,000	Complete
Vault Replacement - Hwy 54/57	Pumping	80,00	55,000	Carry forward to 2024
Calibration Instrumentation	Treatment	9,50	9,721	Complete
Insertion Mag Meters Project	Treatment	400,00	100,000	Carry forward to 2024
Corrosion Control Upgrade	Treatment	40,000) -	Carry forward to 2024
Lab Equipment	Treatment	40,00	15,000	Complete
		\$ 7,209,72	5 \$ 5,679,721	- =

GREEN BAY WATER UTILITY CAPITAL IMPROVEMENT PLAN 2024-2028

Page	Project	Dept.		2024		2025	2026	2027	2028		Total
4	Billing System Customer Portal Upgrade	Administrative	\$	205,000	\$	-	\$ -	\$ -	\$ -	\$	205,000
5	Computer System Upgrades	Administrative		50,000		30,000	30,000	30,000	30,000		170,000
6	Firewall Upgrade	Administrative		15,000		-	-	-	-		15,000
7	Phone System Replacement	Administrative		50,000		-	-	-	-		50,000
8	Server Optimization Upgrades & Storage Enhancements	Administrative		100,000		30,000	30,000	30,000	30,000		220,000
9	Village of Pulaski Water Main*	Administrative	1	L,230,000		-	-	-	-		1,230,000
10	Village of Luxemburg Water Main*	Administrative		-		1,230,000	-	-	-		1,230,000
11	Vehicle/Equipment Replacement Program Summary	Distribution		770,000		710,000	735,000	820,000	321,000		3,356,000
12-16	Distribution Vehicles										
17-18	Metering & Cross Connection Vehicles										
19-20	Office & Engineering Vehicles										
21-24	Pumping Vehicles										
25-26	Treatment Vehicles										
27	Small Equipment	Distribution		25,000		25,000	25,000	25,000	25,000		125,000
28	Small Safety Equipment	Distribution		10,000		10,000	10,000	10,000	10,000		50,000
29	Water Utility Installs of Services, Hydrants, Valves & Mains	Distribution		750,000		750,000	750,000	750,000	750,000		3,750,000
30	36-Inch Transmission Main Segment Replacements*	Engineering		400,000		100,000	-	-	-		500,000
31	Cityworks Upgrade & Implementation	Engineering		30,000		100,000	50,000	20,000	20,000		220,000
32	GIS (ESRI) Upgrade & Implementation	Engineering		150,000		30,000	50,000	10,000	10,000		250,000
33-37	Water Main Relays	Engineering	5	5,060,000		6,510,000	6,530,000	3,190,000	5,030,000	2	6,320,000
38	Meter Replacement	Metering & Cross Connection		320,000		365,500	473,000	556,000	707,000		2,421,500
39	Chlorine System Upgrade at Lake Station	Pumping		180,000		-	-	-	-		180,000
40	Generator Addition at Lake Station*	Pumping	1	1,000,000		4,000,000	5,950,000	-	-	1	0,950,000
41	Radio Replacement	Pumping		150,000		-	-	-	-		150,000
42	Vault Replacement - Hwy 54/57	Pumping		90,000		-	-	-	-		90,000
43	PLC Replacement - All Stations	Pumping		-		300,000	-	-	-		300,000
44	Water Tower - Bader Zone	Pumping		-		-	300,000	5,300,000	-		5,600,000
45	Corrosion Control Upgrade	Treatment		100,000		600,000	-	-	-		700,000
46	Insertion Mag Meters*	Treatment		325,000		-	-	-	-		325,000
47	Lab Equipment	Treatment		40,000		40,000	40,000	40,000	40,000		200,000
48	SCADA Software Upgrade	Treatment		200,000		-	-	-	-		200,000
49	Filter Media	Treatment		-		300,000	-	-	-		300,000
50	Lab Addition	Treatment		-		550,000	-	-	-		550,000
51	Diesel Generator Replacement	Treatment		-		-	375,000	-	-		375,000
52	Residuals Management Project*	Treatment		-		-	-	6,000,000	-		6,000,000
	Total Project Costs		\$ 11	1,250,000	\$ 1	15,680,500	\$ 15,348,000	\$ 16,781,000	\$ 6,973,000	\$ 6	6,032,500
	Funding Sources:										
	Water User Fees	_	\$ 8	3,295,000	\$ 1	10,450,500	\$ 9,398,000	\$ 10,781,000	\$ 6,973,000	\$ 4	5,897,500
	Revenue Bonds/Safe Drinking Water Loan*			2,955,000		5,230,000	5,950,000	6,000,000			0,135,000
	Total Funding Sources		\$ 11	1,250,000	\$ 1	15,680,500	\$ 15,348,000	\$ 16,781,000	\$ 6,973,000	\$ 6	6,032,500

See pages 53-58 for Significant Operating and Maintenance Expenses

Project Title:	Billing System Customer Portal Upgrade
Denartment:	Administration

Project Description & Justification:

Our current customer portal included in our billing software (NorthStar) is eCare. This upgrade is mandatory due to security and the old system will not be supported. The new customer portal is SilverBlaze. This customer portal enhances mobile customer experiences and provides more user-friendly access to their utility account information.

Impact on On-going Operating Costs/Personnel Requirements:

The annual license subscription will increase approximately \$55,000. This will cover all 5 utilities that we bill for.

COST ANALYSIS Estimated Cash Summary													
2024 2025 2026 2027 2028 Total													
\$ 205,000	\$		-	\$	-	\$		-	\$		-	\$	205,000

Project Title:	Computer System Upgrades
Department:	Administrative
Project Description & Justification: Miscellaneous hardware replacements and software updates on desktop computers, laptops, printers etc. Increase in 2024 replacements to handle new phone system allowing virtual phones.	
laptops, printe	ers etc. Increase in 2024 replacements to handle new phone system allowing
-	going Operating Costs/Personnel Requirements:
N/A	
	COST ANALYSIS

Estimated Cash Summary

\$

2027

30,000

2028

30,000

Total

170,000

2026

30,000

2025

30,000

2024

Project Title:	Firewall Upgrade
Department:	Administrative
Project Descri	ption & Justification:
 Firewall upgra	de will be needed for hardware to stay current with cybersecurity standards.
This will be co	mpleted in conjunction with the phone system upgrade.
	going Operating Costs/Personnel Requirements:
N/A	

COST ANALYSIS
Estimated Cash Summary

\$

2027

2028

\$

Total

15,000

2026

\$

2024

15,000

2025

Project Title:	Phone System R	eplacement								
Department:	Administrative									
Project Descrip	otion & Justificat	ion:								
a couple of yea equipment. Th hardware and needed to mee	This project was started by analyzing the needs of the Utility. The City upgraded their system a couple of years ago. We are able to partner with the City on their phone system and equipment. The phone system upgrade is needed for hardware to stay current with nardware and software technology standards. Additional features and capacity will be needed to meet the demands of our billing customers, citizens and staff. The project will be tarted in late 2023 and completed by first quarter of 2024.									
Impact on On-	going Operating	Costs/Personn	el Requirements	<u>.</u>						
N/A										
			NALYSIS							
2024	2025	Estimated Ca	ash Summary	2029	Total					

50,000

Project Title:	Server Optimiza	tion Upgrades	& Storage Enhan	cements	
Department:	Administrative				
Project Descrip	otion & Justificat	ion:			
be replaced to current Micros	rver room will ne increase data sto oft Operating Sys based on addition	orage. In future stem and upgra	years we will conder and add to the	ntinue to upgra ie hardware at	ade servers to
-	going Operating	Costs/Personn	el Requirements	:	
N/A					
			NALYSIS		
2024	2025		ash Summary	2029	Total
2024	2025	2026	2027	2028	Total

30,000

30,000

220,000

30,000

100,000

Project Title:	Village of Pulaski Water Main
Department:	Administrative
Project Descri	ption & Justification:
Contribution to	o construction based on Pulaski guaranteeing 0.325 MGD usage.
	going Operating Costs/Personnel Requirements:
N/A	

COST ANALYSIS
Estimated Cash Summary

\$

2026

\$

2027

2028

\$

Total

\$ 1,230,000

2024

\$ 1,230,000

2025

Project Title:	Village of Luxen	nburg Water Ma	in		
Department:	Administrative				
•					
Project Descri	ption & Justificat	ion:			
Contribution t	o construction ba	ısed on Luxembı	urg guaranteeing	0.325 MGD us	age.
[a		0 . /0			
N/A	-going Operating	Costs/Personne	i Requirements:		
11/7					
		COST AI	NALYSIS		
	<u> </u>	Estimated Ca		 	
2024	2025	2026	2027	2028	Total

\$

\$ 1,230,000

\$ 1,230,000 \$

GREEN BAY WATER UTILITY CAPITAL IMPROVEMENT PLAN VEHICLE/EQUPMENT REPLACEMENT PROGRAM SUMMARY 2024 - 2028

2024

									Est.	
							Anticipated	Recommended	Replacement	
ID	Year	Make	Model	Department	Description	Condition	miles/hours	Replacement	Cost	Disposition
16	2019	Chev	Silverado 3500	Distribution	Crew truck*	7	53,690	55,000 miles	\$85,000	Keep - Misc. Fleet
86	2005	Intl	Dump Truck	Distribution	Front line daily usage	4	129,711	100,000 miles	\$185,000	Sell
98	2009	Intl	Dump Truck	Distribution	Front line daily usage	4	91,945	100,000 miles	\$185,000	Sell
5	2015	Chev	Silverado 2500	Distribution	UDF/service truck	5	111,542	125,000 miles	\$75,000	Keep - Misc. Fleet
61	2010	John Deere	Backhoe	Distribution	Limited usage breaker	5	8,368 hours	7,500 hours	\$165,000	Sell
308	2017	Chev	Colorado	Pumping	Electrician work truck	5	113,346	125,000 miles	\$75,000	Sell or keep
								TOTAL	\$770,000	

2025

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
				•	·					•
95	2009	Ford	F250	Distribution	Valve turner/service truck	6	63,949	125,000 miles	\$75,000	Keep - Misc. Fleet
3	2016	Mack	Dump Truck	Distribution	Front line daily usage	6	75,900	100,000 miles	\$185,000	Sell
7	2015	Cat	Backhoe	Distribution	Backhoe	5	9,408 hours	7,500 hours	\$165,000	Sell
4	2015	Chev	Silverado 2500	Distribution	Locate/service truck #	5	121,000	125,000 miles	\$75,000	Keep - Misc. Fleet
111	2008	Chev	2500 Van	Metering	Service van #	2	103,954	125,000 miles	\$50,000	Sell or keep
113	2013	Ford	E250 Van	Metering	Service van #	4	126,383	125,000 miles	\$50,000	Sell or keep
210	2009	Pont	G6	Office & Eng	IT daily usage #	5	117,885	125,000 miles	\$35,000	Sell
307	2017	Chev	Colorado	Pumping	Electrician work truck	5	108,896	125,000 miles	\$75,000	Sell or keep
								TOTAL	\$710,000	

2026

							Anticipated	Recommended	Est. Replacement	
ID	Year	Make	Model	Department	Description	Condition	miles/hours	Replacement	Cost	Disposition
18	2019	Chev	Silverado 2500	Distribution	Locate/service truck #	7	118,999	125,000 miles	\$75,000	Keep - Misc. Fleet
19	2019	Ford	F350	Distribution	Crew truck*	8	51,444	55,000 miles	\$85,000	Keep - Misc. Fleet
					Limited use vacuum					
429	2013	Vermeer	LP555SDT	Distribution	excavator	6	2,012 hours	2,000 hours	\$90,000	Sell
9	2016	Frtliner	Dump Truck	Distribution	Front line daily usage	7	81,280	100,000 miles	\$185,000	Sell
8	2015	Cat	Backhoe	Distribution	Backhoe	5	10,700 hours	7,500 hours	\$165,000	Sell
309	2018	Ford	F250	Pumping	Electrician work truck	7	98,357	125,000 miles	\$80,000	Sell or keep
212	2015	Chev	Colorado	Treatment	Foreman truck #	7	107,311	125,000 miles	\$55,000	Keep - Misc. Fleet
								TOTAL	\$735,000	

2027

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
83	2000	GMC	Sierra 2500	Distribution	Mechanic service truck	4	91,055	125,000 miles	\$80,000	Sell
64	1991	John Deere	Loader	Distribution	Yard loader	6	6,498 hours	8,000 hours	\$235,000	Sell
88	2006	Chev	5500 4 x 4	Distribution	Limited use dump truck	7	40,175	100,000 miles	\$100,000	Sell
11	2017	Mack	Dump Truck	Distribution	Front line daily usage	8	82,244	100,000 miles	\$185,000	Sell
15	2017	Cat	Backhoe	Distribution	Backhoe	8	8,600 hours	7,500 hours	\$165,000	Sell
213	2016	Chev	Colorado	Pumping	Foreman truck #	7	112,650	125,000 miles	\$55,000	Keep - Misc. Fleet
								TOTAL	\$820,000	

2028

									Est.	_
							Anticipated	Recommended	Replacement	
ID	Year	Make	Model	Department	Description	Condition	miles/hours	Replacement	Cost	Disposition
414	2000	Simco	Drill Rig	Distribution	Limited use drill rig	7	2,071 hours	3,000 hours	\$140,000	Sell
114	2013	Ford	E250 Van	Metering	Service van #	6	79,198	125,000 miles	\$50,000	Sell or keep
214	2017	Dodge	Journey	Office & Eng	GM daily usage #	9	56,923	125,000 miles	\$38,000	Sell
208	2006	GMC	Canyon	Office & Eng	Engineer limited usage #	6	67,180	125,000 miles	\$55,000	Sell
305	2019	Chev	Equinox	Treatment	Front line daily usage #	7	155,399	150,000 miles	\$38,000	Sell
								TOTAL	\$321,000	

Condition 1-10 - (1 = poor, 10 = excellent)

#Electric vehicle option

^{*}Crew trucks get replaced every three to five years due to essential reliability. Retired Crew trucks become miscellaneous fleet vehicles used for Distribution maintenance.

Project Title: Distribution Vehicles - 2024

Department: Distribution

Project Description & Justification:

\$85,000 - Front line daily use crew truck.

#16, a 2019 Chev Silverado 3500 crew truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$185,000 - Front line daily use dump truck.

#86 a 2005 International dump truck will be sold.

\$185,000 - Front line daily use dump truck.

#98, a 2009 International dump truck will be sold.

\$75,000 - Front line daily use UDF/service truck.

#5, a 2015 Chev Silverado 2500 UDF/service truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$165,000 - Front line daily use backhoe.

#61, a 2010 John Deere backhoe will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

COST ANALYSIS Estimated Cash Summary												
2024		2025		2026		2027		2028			Total	
\$ 695,000	\$	-	\$	-	\$	-	\$		-	\$	695,000	

Project Title: Distribution Vehicles - 2025

Department: Distribution

Project Description & Justification:

\$75,000 - Front line daily use valve turner mounted/service truck.

#95, a 2009 Ford F250 valve turner mounted/service truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$185,000 - Front line daily use dump truck.

#3, a 2016 Mack dump truck will be sold.

\$165,000 - Front line daily use backhoe.

#7, a 2015 Cat backhoe will be sold.

\$75,000 - Front line daily use locate truck. Electric vehicle option will be evaluated. #4, a 2015 Chevy 2500 truck will remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

				E	COST stimated				у					
2024 2025 2026 2027 2028 Total														
\$	ı	\$	500,000	\$		-	\$		-	\$		-	\$	500,000

Project Title: Distribution Vehicles - 2026

Department: Distribution

Project Description & Justification:

\$75,000 - Front line daily use locate/service truck. Electric vehicle option will be evaluated. #18, a 2019 Chev Silverado 2500 locate/service truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$85,000 - Front line daily use crew truck.

#19, a 2019 Ford F350 crew truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$90,000 - Limited use vacuum excavator.

#429, a 2013 Vermeer vacuum excavator will be sold.

\$185,000 - Front line daily use dump truck.

#9, a 2016 Freightliner dump truck will be sold.

\$165,000 - Front line daily use backhoe.

#8, a 2015 Cat backhoe will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

				Es	COST AI							
2024 2025 2026 2027 2028 Total												
\$	- \$		-	\$	600,000	\$	-	\$		-	\$	600,000

Project Title: Distribution Vehicles - 2027

Department: Distribution

Project Description & Justification:

\$80,000 - Limited use mechanic service truck.

#83, a 2000 GMC Sierra 2500 mechanic service truck will be sold.

\$235,000 - Limited use yard loader.

#64, a 1991 John Deere loader will be sold.

\$100,000 - Limited use utility small dump truck.

#88, a 2006 Chev 5500 4x4 will be sold.

\$185,000 - Front line daily use dump truck.

#11, a 2017 Mack dump truck will be sold.

\$165,000 - Front line daily use backhoe.

#15, a 2017 Cat backhoe will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

			E:	COST Al								
2024 2025 2026 2027 2028 Total												
\$ -	\$	-	\$	-	\$	765,000	\$		-	\$	765,000	

Project Title: Distribution Vehicles - 2028

Department:	Distribution
Project Descrip	otion & Justification:
-	ited use drill rig.
#414, a 2000 S	imco drill rig will be sold.
Impact on On-	going Operating Costs/Personnel Requirements:
=	or for this equipment replacements is mileage and reliability (daily front line r climate, rust plays a significant role in the longevity of our
vehicles/equip	ment. This type of maintenance is very expensive and often times doesn't last.

					Es	COST A stimated C			у				
2024 2025 2026 2027 2028 Total													
\$	-	\$		-	\$	-	\$		-	\$	140,000	\$	140,000

Project Title: Metering & Cross Connection Vehicles - 2025

Department: Distribution

Project Description & Justification:

\$50,000 - Front line daily use service van. Electric vehicle option will be evaluated. #111, a 2008 Chev 2500 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

\$50,000 - Front line daily use service van. Electric vehicle option will be evaluated. #113, a 2013 Ford E250 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

				E	COST stimated				у					
2024 2025 2026 2027 2028 Total														
\$	-	\$	100,000	\$		-	\$		-	\$		-	\$	100,000

Project Title:	Metering & Cross Connection Vehicles - 2028
Department:	Distribution

Project Description & Justification:

\$50,000 - Front line daily use service van. Electric vehicle option will be evaluated. #114, a 2013 Ford E250 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

			CO: Estimate		NALYS ash Su			
2024	2025	1	2026			2027	2028	Total
\$ -	\$	-	\$	-	\$	-	\$ 50,000	\$ 50,000

Department:	Distribution
Project Descri	ption & Justification:
	t line daily use miscellaneous transportation vehicle. Electric vehicle option ed. #210, a 2009 Pontiac G6 will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

Project Title: Office & Engineering Vehicles - 2025

COST ANALYSIS Estimated Cash Summary												
2024		2025		2025 2026 2027			2027		2028		Total	
\$ -	\$	35,000	\$	-	\$	-	\$			\$	35,000	

Project Title: Office & Engineering Vehicles - 2028

Department: Distribution

Project Description & Justification:

\$38,000 - Front line daily use transportation vehicle. Electric vehicle option will be evaluated. #214, a 2017 Dodge Journey will be sold.

\$55,000 - Engineering limited use vehicle. Electric vehicle option will be evaluated. #208, a 2006 GMC Canyon will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

COST ANALYSIS Estimated Cash Summary											
2024 2025				2026 2027				2028	Total		
\$	- \$		-	\$	-	\$		1	\$ 93,000	\$	93,000

Project litle:	Pumping Venicles - 2024
Department:	Distribution

Project Description & Justification:

\$75,000 - Front line daily use electrician work truck. #308, 2017 Chev Colorado electrician work truck will be sold or remain in the fleet until it reaches the maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

COST ANALYSIS Estimated Cash Summary												
	2024 2025			2026		2027	2028			Total		
\$	75,000	\$	-	\$	-	\$	-	\$		_	\$	75,000

Project Title:	Pumping Vehicles - 2025
Department:	Distribution

Project Description & Justification:

\$75,000 - Front line daily use electrician work truck. #307, 2017 Chev Colorado electrician work truck will be sold or remain in the fleet until it reaches the maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

COST ANALYSIS Estimated Cash Summary											
2024		2025 2026			2027	2028			Total		
\$ -	\$	75,000	\$	-	\$	-	\$			\$	75,000

Project litie:	Pumping Venicies - 2026
Department:	Distribution

Project Description & Justification:

\$80,000 - Front line daily use pumping electrician work truck. #309, a 2018 Ford F250 electrician work truck will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

COST ANALYSIS Estimated Cash Summary										
2024		2025		2026		2027		2028		Total
\$ -	\$	-	\$	80,000	\$	-	\$		-	\$ 80,000

Project Title:	Pumping Vehicles - 2027
Department:	Distribution

Project Description & Justification:

\$55,000 - Daily use foreman transportation vehicle. Electric vehicle option will be evaluated. #213, a 2016 Chev Colorado foreman truck will remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

COST ANALYSIS Estimated Cash Summary												
2024		2025		2026		2027		2028		Total		
\$ -	\$	_	\$	-	\$	55,000	\$	-	\$	55,000		

Project Title:	Treatment Vehicles - 2026
Department:	Distribution

Project Description & Justification:

\$55,000 - Daily use foreman transportation vehicle. Electric vehicle option will be evaluated. #212, a 2015 Chev Colorado foreman truck will remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

COST ANALYSIS Estimated Cash Summary												
2024	2025	2026	2027	2028	Total							
\$ -	\$ -	\$55,000	\$ -	\$ -	\$ 55,000							

Project Title: Treatment Vehicles - 2028

Department:	Distribution								
Project Descrip	tion & Justification:								
	tine daily use transportation vehicle. Electric vehicle option will be evaluated. hev Equinox will be sold.								
Impact on On-	going Operating Costs/Personnel Requirements:								
use). Given our	or for this equipment replacements is mileage and reliability (daily front line climate, rust plays a significant role in the longevity of our ment. This type of maintenance is very expensive and often times doesn't last.								

COST ANALYSIS Estimated Cash Summary											
2024		2025		2026		2027			2028		Total
\$ -	\$	-	\$	-	\$		-	\$	38,000	\$	38,000

Project Title:	Small Equipment
Department:	Distribution
Project Descri	ption & Justification:
replacement e pipe saws, gas pipe tapping n GPS locating e	for the purchase of equipment for new vehicle set up and new or equipment ranging in price from \$500 - \$10,000. Examples include generators, and electric pumps, valve operators, trench compactors, inspection cameras, nachines, pipe tapping motors, welders, electronic leak detection equipment, quipment and torch kits. For for these equipment replacements is maintenance and reliability (daily).
Impact on On-	going Operating Costs/Personnel Requirements:
N/A	

	COST ANALYSIS Estimated Cash Summary												
2024 2025 2026 2027 2028						2028		Total					
\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	25,000	\$	125,000		

Project Title:	Small Safety Equipment									
Department:	Distribution									
Project Descri	ption & Justification:									
\$10,000. Exam shoring plates	for the replacement of safety equipment ranging in price from \$500 - aples would be trench shields, air shores, fin form trench wall plates, large steel, davit systems for confined space entry/exit, oxygen monitors and ventilators. tor for these equipment replacements is maintenance and reliability (daily).									
Impact on On-	going Operating Costs/Personnel Requirements:									
N/A										

	COST ANALYSIS Estimated Cash Summary												
2024 2025 2026 2027 2028 Total							Total						
\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	50,000		

Project Title:	Water Utility Installs of Services, Hydrants, Valves & Mains
Department:	Distribution
Project Descri	ption & Justification:
Water Utility s of mains due t	tand alone installations of services, hydrants & valves along with replacement o repairs.
	o repulsor
Impact on On-	going Operating Costs/Personnel Requirements:
N/A	

COST ANALYSIS
Estimated Cash Summary

2027

750,000

2026

750,000

2028

750,000

Total

3,750,000

2025

750,000

2024

Project Title: 36-Inch Transmission Main Segment Replacements

Dep	artment:	Engineering				
Proj	ect Descrip	otion & Justificat	ion:			
brea	aks from th	pe segments on t e PipeDiver anal [,] d the 2 pipe segi	ysis. Replace th	e 9 pipe segmen	ts with broken	
lmp	act on On-	going Operating	Costs/Personn	el Requirements	·•	
N/A		gg		-		
				NALYSIS ash Summary		
	2024	2025	2026	2027	2028	Total
\$	400,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 500,000

Project Title:	Cityworks Upgrade & Implementation
Department:	Engineering
Project Descri	ption & Justification:
and will not be	eded for 2025 because Cityworks software is moving to a different platform e supported any longer. This also includes consultant costs for Cityworks yearly istance through Power Engineers.
Impact on On	going Operating Costs/Personnel Requirements:
N/A	-going Operating Costs/Personner Requirements.
	COST ANALYSIS
	Estimated Cash Summary

\$

2026

50,000

2027

20,000

2028

20,000

\$

Total

220,000

2025

100,000

2024

Project Title:	GIS (ESRI) Upgra	ide & Implemer	ntation		
Department:	Engineering				
Department.	Liigineering				
Duningt Dansi	ation O localificat	•			
Project Descri	ption & Justificat	ion:			
	eded for 2024 bed be supported an		_	•	
		01-/0	-1 B 1 1		
	going Operating	Costs/Personn	ei kequirements):	
N/A					
			NALYSIS		
200			ash Summary		
2024	2025	2026	2027	2028	Total

50,000

10,000 \$

10,000

250,000

30,000 \$

Project Title: Water Main Relays - 2024

Department: Engineering

Project Description & Justification:

<u>Relays on Resurfacing Streets:</u> <u>Relays on Reconstructed Streets:</u>

8th Street - \$270,000 Country Club Road - \$1,060,000

Baird Street - \$110,000 Finger Road - \$300,000

Biemeret Street - \$240,000 Howard Street - \$140,000

Crooks Street - \$180,000 Maple Avenue - \$110,000

Deckner Avenue - \$160,000 Oakland Avenue - \$220,000

Ethel Avenue - \$290,000 School Place - \$270,000

Ethel Avenue - \$290,000
Foeller Drive - \$200,000
Grognet Street - \$110,000
Henry Street - \$290,000
Hudson Street - \$330,000
Langlade Avenue - \$160,000
Lincoln Street - \$130,000

Reber Street - \$160,000 Roscoe Street - \$330,000

Total Footage = 22,000 Feet / 4.17 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

	COST ANALYSIS Estimated Cash Summary											
2024	2025		2026	2027	2028	Total						
\$ 5,060,000	\$		\$ -	\$ -	\$ -	\$ 5,060,000						

Project Title: Water Main Relays - 2025

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:

Amy Street - \$220,000 Berger Street - \$130,000 Biemeret Street - \$490,000 Briquelet Street - \$350,000 Cedar Street - \$220,000 Clayton Place - \$200,000 Deschane Place - \$240,000 Frank Street - \$70,000

Oak Grove Avenue - \$290,000

Park Street - \$510,000 Parkwood Court - \$70,000 Rutgers Street - \$90,000 Schoen Street - \$220,000 Servais Street - \$400,000 Steven Street - \$350,000 Wegner Street - \$70,000

Total Footage = 27,200 Feet / 5.15 Miles

Relays on Reconstructed Streets:

Arndt Street - \$110,000 Elmore Street - \$1,350,000 Hinkle Street - \$130,000 Irwin Avenue - \$80,000 Maple Avenue - \$380,000 St. Clair Street - \$460,000 Spring Street - \$80,000

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary												
2024		2025		2026		2027		2028			Total	
\$	-	\$	6,510,000	\$	1	\$	-	\$		-	\$	6,510,000

Project Title: Water Main Relays - 2026

Department: Engineering

Project Description & Justification:

<u>Relays on Resurfacing Streets:</u>
<u>Relays on Reconstructed Streets:</u>

 14th Avenue - \$420,000
 13th Avenue - \$570,000

 Alvina Street - \$200,000
 Chicago Street - \$80,000

 Bond Street - \$130,000
 Division Street - \$250,000

 Bretcoe Drive - \$200,000
 Hinkle Street - \$410,000

 Grouse Court - \$70,000
 Maple Avenue - \$190,000

 Hillside Lane - \$330,000
 Mather Street - \$1,300,000

Irene Street - \$90,000 Minor Court - \$200,000

Morning Star Court - \$50,000 Neufeld Street - \$350,000 Raymond Street - \$310,000 Rosalie Lane - \$220,000 Rufffed Court - \$70,000 Skyline Boulevard - \$70,000 Skyline Boulevard(ES) - \$220,00

Skyline Boulevard(WS) - \$110,000

Spence Street - \$620,000 Woodruff Court - \$70,000

Total Footage = 25,700 Feet / 4.87 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary											
2024		2025		2026	2027		2028			Total	
\$	-	\$	-	\$ 6,530,000	\$	-	\$	-	\$	6,530,000	

Project Title: Water Main Relays - 2027

Department: Engineering

Project Description & Justification:

<u>Relays on Resurfacing Streets:</u>
<u>Relays on Reconstructed Streets:</u>

Lost Lane - \$200,000

Minahan Street - \$130,000 Park Street - \$110,000 Royal Boulevard - \$270,000 Royal Boulevard - \$110,000 Schwartz Street - \$200,000

Total Footage = 13,300 Feet / 2.52 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

	COST ANALYSIS Estimated Cash Summary											
2024 2025				2026		2027		2028 Total			Total	
\$	-	\$	-	\$	-	\$	3,190,000	\$		-	\$	3,190,000

Project Title: Water Main Relays - 2028

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:

Alrose Street - \$130,000 Crest Lane - \$240,000 Erma Drive - \$110,000 Goodell Street - \$130,000 Langlade Avenue - \$330,000 Maryhill Drive - \$250,000

Newberry Avenue - \$310,000 Ruffed Court - \$50,000 Russell Street - \$220,000 St. Lawrence Drive - \$240,000 Waverly Place - \$130,000

Total Footage = 19,400 Feet / 3.67 Miles

Relays on Reconstructed Streets:

Chestnut Avenue - \$190,000 Chicago Street - \$350,000 Christiana Street - \$270,000 Clay Street - \$1,150,000 Quincy Street - \$930,000

Impact on On-going Operating Costs/Personnel Requirements:

N/A

	COST ANALYSIS Estimated Cash Summary											
2024 2025 2026							2027		2028		Total	
\$	-	\$	-	\$	-	\$	-	\$	5,030,000	\$	5,030,000	

Project Title: Meter Replacement

Department: Metering & Cross Connection

Project Description & Justification:

Meters are replaced every year according to PSC guidelines. The following is a listing of the number of meters and MTUs that will be purchased each year (including labor):

2024: Meters - 1,778 MTUs - 500 2025: Meters - 500 MTUs - 1,300 2026: Meters - 1,400 MTUs - 1,500 2027: Meters - 2,000 MTUs - 1,500 2028: Meters - 2,500 MTUs - 2,200

impact on On-going Operating Costs/Personnel Requirement	s:
N/A	

COST ANALYSIS

Estimated Cash Summary

2024
2025
2026
2027
2028
Total

\$ 320,000 \$ 365,500 \$ 473,000 \$ 556,000 \$ 707,000 \$ 2,421,500

Project Title: Chlorine System Upgrade at Lake Station

Department: Pumping									
Project Descrip	otion & Justificat	ion:							
chlorine gas wi equipment froi the chlorine bu buildings. This	ould take the currell be in one build me the pump stat illding, and buryi will improve safelled with gaseous	ing including th ion to the chlor ng new water s ety of the currer	e injection point ne building, add upply and solution of dated system	This would in ling an additior on delivery line by eliminating	clude moving nal room inside s between the the long run of				
Impact on On	going Operating	Costs/Porsonn	al Poquiromonts	••					
N/A	going Operating	Costs/Personni	ei Kequireilleilts) .					
N/A									
		COST AI	NALYSIS						
	Г	Estimated Ca	sh Summary	<u> </u>	<u> </u>				
2024	2025	2026	2027	2028	Total				

180,000

\$

180,000 \$

Project Title: Generator Addition at Lake Station

Department: Pumping

Project Description & Justification:

Install an additional generator including switch gear and accommodating structure at the Lake Station.

Associated engineering work for preparation of plans and specifications to occur in 2023. The reason for the costs spreading over 3 years is that this would potentially go out for bid spring of 2024 with long lead times up to 24 months on some components. Some other work, site prep, and other items will most likely happen in 2025.

Impact on On-going Operating Costs/Personnel Requirements:

Would allow us to run more pumps, improve efficiency and provide greater reliability. This would also bring safer electrical equipment to the generator switchgear and change to a more common voltage.

	COST ANALYSIS Estimated Cash Summary										
2024 2025 2026 2027 2028 Total								Total			
\$ 1,000,000	\$	4,000,000	\$ 5,950,000	\$	-	\$	-	\$ 10,950,000			

Project Title:	Radio Replacem	nent								
Department:	Pumping									
Project Descrip	otion & Justificat	tion:								
obsolete and c	only one compan	y will fix our ex	new radios, anter sting ones. This v aving ethernet co	vill also set the	_					
Impact on On-	going Operating	Costs/Personn	el Requirements	:						
N/A										
	COST ANALYSIS Estimated Cash Summary									
2024	2025	2026	2027	2020	Total					

150,000

Project Title:	Vault Replacement - Hwy 54/57
Department:	Pumping

Project Description & Justification:

The recently abandoned in place Bay Highlands vault will be removed from its existing location, refurbished and relocated near the Hwy 54/57 well. This relocated vault will replace the existing Hwy 54/57 vault, which is outdated, too small to make upgrades or repairs and is a safety concern being located right off the edge of the highway.

Impact on On-going Operating Costs/Personnel Requirements:

The new vault will allow us to meter & track water entering the Bader Pressure Zone. We will also be able to perform maintenance with only one employee instead of the two we previously had to send out.

COST ANALYSIS Estimated Cash Summary											
2024	2025		2026		2027		2028 Total			Total	
\$ 90,000	\$	-	\$	1	\$	-	\$			\$	90,000

Project Title:	PLC Replacement - All Stations						
Department:	Pumping						

Project Description & Justification:

Replace Programmable Logic Controller Systems (PLCs) at all stations. A large number of the current PLCs are over 20 years old and no longer supported. The newer units will ensure replacement parts will be available. Communication to these sites is critical and without the PLC we will not have data, operation nor communication at these sites.

Impact on On-going Operating Costs/Personnel Requirements:

Our pumping staff will be assisting with the installation of the new PLCs to offset vendor cost.

	COST ANALYSIS Estimated Cash Summary										
2024 2025 2026 2027 2028 Total							Total				
\$	-	\$	300,000	\$ -	\$ -	\$	-	\$	300,000		

Project Title: Water Tower - Bader Zone

Department:	Pumping									
Project Descrip	otion & Justificat	ion:								
	nstall 1 million gallon water tower in Bader zone. Includes the purchase of land and engineering in 2026.									
Impact on On-	going Operating	Costs/Personn	el Requirements	•						
N/A	Bomb oberaning	0001071 01001111	ci itequii ciiiciite	•						
, , , , , , , , , , , , , , , , , , ,										
			NALYSIS ash Summary							
2024	2025	2026	2027	2028	Total					
\$ -	\$ -	\$ 300,000	\$ 5,300,000	\$ -	\$ 5,600,000					

Project Title: Corrosion Control Upgrade

Department: Treatment

Project Descrip	tion & Justificat	ion:								
include chemic on size of equip	nstall new chemical feed system from the results of the pilot plant study. Anticipate this to include chemical day and bulk tanks, metering pumps, containment system, etc. Depending in size of equipment a small addition to the facility might be needed. Engineering for the roject is planned for 2024 and installation in 2025.									
Impact on On-	going Operating	Costs/Personn	el Requirements	:						
There will be a	n on-going chem	ical cost and m	aintenance costs	for pumps, tar	ıks, etc.					
	COST ANALYSIS Estimated Cash Summary									
2024	2025	2026	2027	2028	Total					

700,000

600,000 \$

100,000 \$

Project Title: Insertion Mag Meters						
Department:	Treatment					
Project Descrip	otion & Justificat	ion:				
2022. Engineer transmission li existing finishe will either nee	of existing equipring costs for instenses and possible distance water vaults weld to be renovated venturi meters wenturi meter	allation of new direct purchase ill not allow ins d or possibly ne	insertion mag me of meters will be tallation of new own can style vault	eters into finisle incurred in 20 equipment. The sinstalled. Rep	ned water 023. The e existing vaults	
Impact on On- N/A	going Operating	Costs/Personn	el Requirements	:		
			NALYSIS ash Summary			
2024	2025	2026	2027	2028	Total	

325,000

325,000 \$

Project Title: Lab Equipment

Department: Treatment

Project Description & Justification:
As we continue to expand our lab capabilities we need to purchase new lab equipment.
Impact on On-going Operating Costs/Personnel Requirements:
No new personnel will be needed, but there will most likely be additional operating costs
such as equipment maintenance, reagents, etc.
COST ANALYSIS
COST ANALYSIS

Estimated Cash Summary

\$

2026

40,000

2027

40,000

Total

200,000

2028

40,000

2025

40,000

2024

Project Title: SCADA Software Upgrade

\$ 200,000 \$

Department:	Treatment							
Project Descrip	otion & Justificat	ion:						
The filter plant and distribution system Supervisory Control and Data Acquisition (SCADA) will need to be upgraded with new hardware and software. The last upgrade was in 2014/15. This would include 11 computers, 19 monitors and 4 printers.								
Impact on On-	going Operating	Costs/Personn	el Requirements	:				
N/A								
COST ANALYSIS Estimated Cash Summary								
2024	2025	2026	2027	2028	Total			

Project litie:	Filter Media
Department:	Treatment
Project Descrip	otion & Justification:
	kely need to add additional filter media in the form of anthracite to each e, media is lost from each filter primarily during the filter back wash process.
Impact on On-	going Operating Costs/Personnel Requirements:
I do not anticip	pate any additional costs.
	COST ANALYSIS
	Estimated Cash Summary

\$

2027

2026

Total

300,000

2028

\$

2025

300,000

\$

2024

Project Title: Lab Addition

Department: Treatment

Project Descrip	otion & Justificat	·ion·			
i roject bescrip	otion & Justineat				
The upgrade/e	xpansion of the l	lab will allow fo	r more in house	e testing of wate	r quality
parameters wit	th the goal of acl	nieving improve	d finished wate	er quality.	
Impact on On-	going Operating	Costs/Personn	el Requirement	ts:	
There will be a	dditional on-goir	ng operating co	sts for such thin	ıgs as lab equipn	nent
maintenance, l	lab supplies, etc.				
		COST A	NALYSIS		
			ash Summary		
2024	T		/		

550,000

550,000 \$

Project Title: Diesel Generator Replacement

Department:	Treatment				
Project Descrip	otion & Justificat	ion:			
	esel generator at 1 years old and n			ackup to the oz	one facility is
Impact on On-	going Operating	Costs/Personn	el Requirements	:	
I do not anticip	oate any impact c	on operating co	sts and no additi	onal personnel	required.
			NALYSIS ash Summary		
2024	2025	2026	2027	2028	Total
\$ -	\$ -	\$ 375,000	\$ -	\$ -	\$ 375,000

Project litie:	Residuais Management Project
Department:	Treatment

Project Description & Justification:

Implement recommendations from the residuals management study that was performed in 2021. This may include the construction of a sanitary sewer, organic removal treatment process or other residuals treatment that will allow for disposal of any solids/sludge that are produced during the treatment process.

This new disposal method will help reduce the amount of concentrated organics that are currently being recycled to the head of the plant. This means a reduction in organics that need to be removed from the water and improved water quality.

Impact on On-going Operating Costs/Personnel Requirements:

There could be additional operating costs, specifically for sending this waste to NEW Water.

COST ANALYSIS Estimated Cash Summary								
2024 2025 2026			2026	2027	2028	Total		
\$	-	\$ -	\$ -	\$ 6,000,000	\$ -	\$ 6,000,000		

GREEN BAY WATER UTILITY CAPITAL IMPROVEMENT PLAN - SIGNIFICANT OPERATING AND MAINTENANCE EXPENSES 2024-2028

Page	Project	Dept.	2024	2025	2026	2027	20	028	Total
54	Huron Tank Overcoat	Pumping	\$ 330,000	\$ -	\$ -	\$ -	\$		\$ 330,000
55	Abandon Highway B Booster	Pumping	-	500,000	-	-			500,000
56	Quincy Tank Overcoat	Pumping	-	-	-	270,000			270,000
57	Filter Plant 500,000 Gallon Tank Overcoat	Treatment	-	350,000	-	-			350,000
58	Sludge Lagoon Dredging #2	Treatment	 -	-	-	500,000			500,000
	Total Project Costs		\$ 330,000	\$ 850,000	\$ _	\$ 770,000	\$	-	\$ 1,950,000
	Funding Sources:			252.222					
	Water User Fees		\$ 330,000	\$ 850,000	\$ -	\$ 770,000	\$		\$ 1,950,000
	Revenue Bonds/State Trust Fund Loans		 -	-	-	-			
	Total Funding Sources		\$ 330,000	\$ 850,000	\$ -	\$ 770,000	\$		\$ 1,950,000

CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES PROJECT REQUEST FOR 2024 - 2028

Project Title: Huron Tank Overcoat

Department: Pumping

Proj	ect Descrip	otion & Justificat	ion:			
recc any	mmended WDNR cod	to spot clean an	d recoat the dry dates as recom	the exterior of the interior platform mended. Overco	ms. We would a	also perform
lmp	act on On-	going Operating	Costs/Personn	el Requirements	:	
This	project wo	ould require a dra	ain down of the	tank for approxi	mately 4-6 wee	eks.
				NALYSIS ash Summary		
	2024	2025	2026	2027	2028	Total
\$	330,000	\$ -	\$ -	\$ -	\$ -	\$ 330,000

CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES PROJECT REQUEST FOR 2024 - 2028

Project Title: Abandon Highway B Booster

- \$ 500,000 \$

Department:	Pumping									
Project Descrip	Project Description & Justification:									
Abandon Highway B booster including the reservoir.										
Impact on On-	going Operating	Costs/Personn	el Requirements	:						
Lower mainten	nance costs and s	treamline pum _l	oing operations.							
COST ANALYSIS										
	<u> </u>		sh Summary							
2024	2025	2026	2027	2028	Total					

CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES PROJECT REQUEST FOR 2024 - 2028

Project Title: Quincy Tank Overcoat

Department:	Pumping							
Project Descrip	tion & Justificat	ion:						
recommended any WDNR cod	ude a cleaning and to spot clean and e compliance up ing paint system	d recoat the dry dates as recom	y interior platfor	ms. We would a	also perform			
		<u>_</u>						
Impact on On-	going Operating	Costs/Personn	el Requirements	5:				
This project wo	ould require a dra	ain down of the	tank for approx	imately 4-6 wee	eks.			
COST ANALYSIS Estimated Cash Summary								
2024	2025	2026	2027	2028	Total			
\$ -	\$ -	\$ -	\$ 270,000	\$ -	\$ 270,000			

CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES PROJECT REQUEST FOR 2024 - 2028

Project Title: Filter Plant 500,000 Gallon Tank Overcoat

Department: Treatment

Project Descrip	tion & Justificat	ion:							
The 500,000 gallon elevated tank at the filter plant will need to be overcoated. The tank was constructed in 2006 and has not been painted since. Overcoating the tank should extend the life of the existing paint 10 to 15 years.									
Impact on On-	going Operating	Costs/Personn	el Requirements	:					
I do not anticip	ate any impact c	on operating cos	sts and no additi	onal personnel	are required.				
COST ANALYSIS Estimated Cash Summary									
2024	2025	2026	2027	2028	Total				
\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ 350,000				

CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES PROJECT REQUEST FOR 2024 - 2028

Project Title:	Sludge Lagoon #2 (North Lagoon) Dredging							
Department:	Treatment							
•								
Project Descrip	otion & Justificat	ion:						
process are dra	#2 will be dredge nined from settlir the lagoon and it ppens every 5 to	ng tanks to the must be dredg	lagoon every spr ed so more solid	ing and fall. The	e solids			
Impact on On-	going Operating	Costs/Personn	el Requirements	:				
N/A								
			NALYSIS ash Summary					
2024	2025	2026	2027	2028	Total			
\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000			