

Water Utility

Capital Improvement Plan (CIP) Overview

Budget Phase: Executive

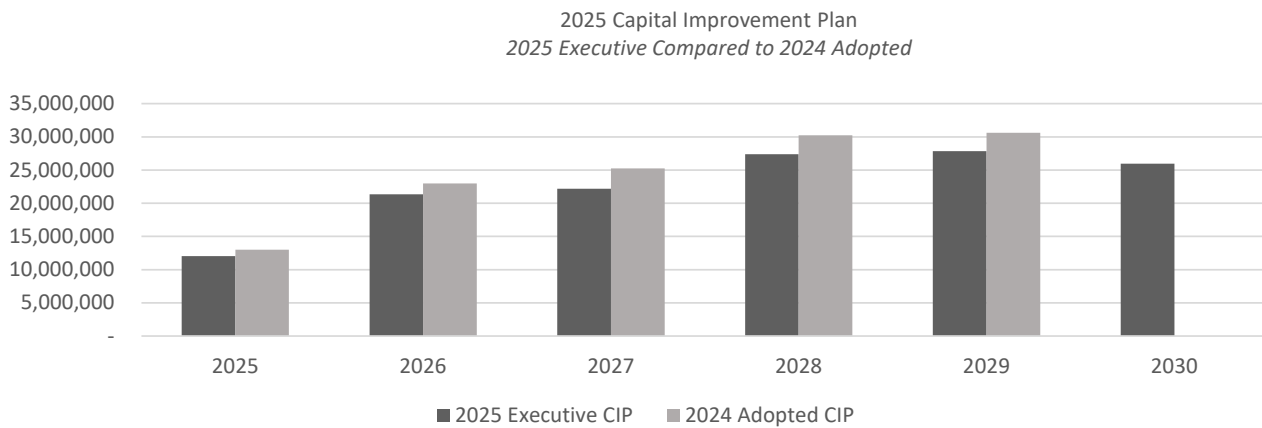
Summary Table

	2025	2026	2027	2028	2029	2030
Booster Pump Station						
#213 Lakeview Reconstruction	-	-	-	-	2,100,000	-
Booster Pump Station 128 Upgrade	-	-	1,100,000	-	-	-
Chlorinators & Florinators Program	40,000	50,000	50,000	60,000	60,000	63,000
High						
Point/Raymond/MidTown	20,000	1,000,000	-	-	-	1,800,000
Milwaukee Street	-	-	-	-	-	1,000,000
New Water Facility Planning	-	-	-	-	1,500,000	-
Park Street, South	40,000	-	735,000	-	-	-
Regent Street	40,000	1,305,000	-	-	-	-
Unit Well 12 Conversion to a Two Zone Well	800,000	4,000,000	-	-	-	-
Unit Well Rehab Program	382,000	393,000	405,000	417,000	430,000	451,500
Water Hydrants Program	424,000	437,000	450,000	464,000	476,000	499,800
Water Mains - New	102,000	106,000	445,000	750,000	750,000	257,000
Water Mains Replacement	6,088,000	10,049,000	11,320,000	18,000,000	18,000,000	17,000,000
Water Meter and Fixed Network Program	552,000	566,000	580,000	595,000	610,000	640,500
Water Utility Facility Improvements	2,195,000	2,385,000	2,457,000	2,530,000	2,606,000	2,736,300
Water Utility Vehicles & Equipment	1,295,000	995,000	1,065,000	1,000,000	1,225,000	1,420,000
Water Valve Cut-In Program	66,000	68,000	70,000	72,000	74,000	77,700
Well 27 Iron & Manganese Mitigation	-	-	3,500,000	3,500,000	-	-
	\$ 12,044,000	\$ 21,354,000	\$ 22,177,000	\$ 27,388,000	\$ 27,831,000	\$ 25,945,800

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Capital Improvement Plan (CIP) Overview

Changes from 2024 Adopted CIP



Description of Major Changes

Booster Pump Station #213 Lakeview Reconstruction

- No major changes compared to 2024 Adopted CIP.

Booster Pump Station 218 Upgrade

- No major changes compared to 2024 Adopted CIP.

Chlorinators & Florinators Program

- No major changes compared to 2024 Adopted CIP.

High Point/Raymond/MidTown

- Project schedule and funding changed. \$1.1 million in Expense Depreciation in 2028 was replaced by \$20,000 in Reserves Applied in 2025 for design, and \$1.0 million and \$1.8 million in Revenue Bonds in 2026 and 2030, respectively, for construction.
- The project increased by \$1.7 million to include Phase 2, Marty Road to High Point. The funding source was changed to allow for greater flexibility as Expense Depreciation can only be used for water main replacements and not new water mains. The project was moved forward to stay in sync with City Engineering work.
- This project was included in the 2024 CIP as “High Point/Raymond/Mid Town” (Project #12454). It has been updated to Project #15401 to reflect the multiple phases of work which are planned for 2026 and 2030 construction.

Milwaukee Street

- New project. Executive Budget includes \$1.0 million in Expense Depreciation in 2030.

New Water Facility Planning

- Project funding source changed from \$1.5 million in State Sources in 2029 to \$1.5 million in Reserves Applied in 2029. The anticipated project will be new pipeline for a new water facility which is more appropriately funded by reserves than by the state funds which are a loan.

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Capital Improvement Plan (CIP) Overview

Description of Major Changes (Continued)

Park Street, South

- Project schedule changed and total funding increased from \$509,000 in 2026 to \$40,000 in 2025 for design and \$735,000 in 2027 for construction due to an increase in costs as the project scope has developed. This reflects a 52.3% increase.
- Project name changed from "Park Street, South (Olin to RR)" to "Park Street, South."

Regent Street

- New project. Executive Budget includes \$40,000 in 2025 and \$1.3 million in 2026 in Expense Depreciation.

Unit Well 12 Conversion to a Two Zone Well

- Project budget decreased by \$200,000 (20%) in State Sources in 2025 to reflect expected design costs.

Unit Well Rehab Program

- No major changes compared to 2024 Adopted CIP.

Water Hydrants Program

- No major changes compared to 2024 Adopted CIP.

Water Mains - New

- Program budget decreased by \$10.1 million (82.5%) in Reserves Applied from 2025 to 2029 based on revised estimates and updated information.

Water Mains Replacement

- Program budget decreased \$436,000 (0.8%) in Expense Depreciation and \$3.2 million (23.1%) in Reserves Applied from 2025 to 2029 based on revised estimates and updated information.

Water Meter and Fixed Network Program

- No major changes compared to 2024 Adopted CIP.

Water Utility Facility Improvements

- Program budget decreased by \$121,000 (5.2%) in 2025 to offset increased vehicle costs in the Water Utility Vehicles & Equipment program.

Water Utility Vehicles & Equipment

- Program budget increased by \$1.4 million in Reserves Applied and decreased by \$37,500 in Federal Sources from 2025 to 2029 due to the rising costs of vehicles and delays in delivery. This reflects a 32.2% increase.

Water Valve Cut-In Program

- No major changes compared to 2024 Adopted CIP.

Well 27 Iron & Manganese Mitigation

- No major changes compared to 2024 Adopted CIP.

John Nolen Drive

- Project removed from 2025 Executive Budget due to the Water Utility not participating in the construction contract. The 2024 Adopted CIP included \$30,000 in Expense Depreciation in 2025.

Water Utility

Summary of Expenditures and Revenues

2025 CIP by Expenditure Type

	2025	2026	2027	2028	2029	2030
Building	2,350,000	5,720,000	1,773,000	1,826,000	3,980,000	1,974,300
Machinery and Equipment	2,914,000	2,669,000	3,884,000	2,776,000	3,051,000	3,337,000
Water Network	6,780,000	12,965,000	16,520,000	22,786,000	20,800,000	20,634,500
	\$ 12,044,000	\$ 21,354,000	\$ 22,177,000	\$ 27,388,000	\$ 27,831,000	\$ 25,945,800

2025 CIP by Funding Source

	2025	2026	2027	2028	2029	2030
Reserves Applied	6,204,000	6,394,000	7,577,000	8,888,000	10,731,000	8,145,800
Revenue Bonds	-	1,000,000	-	-	-	2,800,000
State Sources	800,000	4,000,000	4,600,000	3,500,000	2,100,000	-
Water Expense Depreciation	5,040,000	9,960,000	10,000,000	15,000,000	15,000,000	15,000,000
	\$ 12,044,000	\$ 21,354,000	\$ 22,177,000	\$ 27,388,000	\$ 27,831,000	\$ 25,945,800

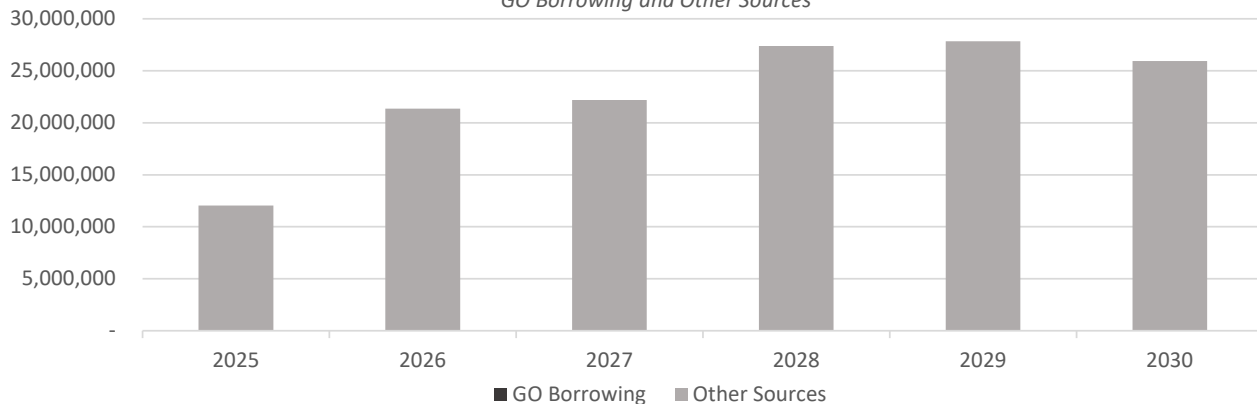
Borrowing Summary

	2025	2026	2027	2028	2029	2030
General Fund GO Borrowing	-	-	-	-	-	-
Non-General Fund GO Borrowing	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Annual Debt Service

	2025	2026	2027	2028	2029	2030
General Fund GO Borrowing	-	-	-	-	-	-
Non-General Fund GO Borrowing	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Executive Budget by Funding Source
GO Borrowing and Other Sources



Water Utility

Carryforward General Obligation Borrowing

	Unused Appropriation Authority	Reauthorized GO Borrowing
11984 ATWOOD AVE RECONSTRUCTION	100,782	-
13838 BLAIR ST	49,478	-
12441 BPS #213 RECONSTRUCT	500,000	-
17607 BUS RAPID TRANSIT PROGRAM	159,999	-
12386 CHLORINATORS & FLORINATORS PROGRAM	84,886	-
13013 CTH AB INTERCHANGE	58,449	-
13835 CTH M	192,571	-
11543 E WILSON ST AND E DOTY ST	641,000	-
12454 HIGH POINT RD AND RAYMOND RD	35,000	-
15322 JOHN NOLEN DR	30,000	-
14697 NEW WATER FACILITY PLANNING	800,000	-
10540 PAVEMENT MANAGEMENT	2,324,458	-
10284 PLEASANT VIEW ROAD	40,437	-
14004 PRESSURE ZONE RESILIENCY	312,722	-
10226 RECONSTRUCTION STREETS	1,491,865	-
11133 S PARK ST (OLIN TO RR)	21,000	-
12503 STREETS YARD IMPROVEMENTS	500,000	-
10944 UNIT WELL NO. 8 RECONSTRUCTION	25,000	-
11168 UNIVERSITY AVE (SHOREWOOD-UNIV BAY)	13,251	-
10448 UW19 IRON & MANGANESE FILTER	612,036	-
14205 UW27 IRON & MANGANESE FILTER	63,000	-
11892 WATER MAIN REPLACE PIPE LINING	283,553	-
11893 WATER MAIN REPLACEMENT	3,648,000	-
12507 WATER MAINS NEW	111,800	-
10440 WATER UTILITY FACILITY IMPROVEMENTS	4,706,474	-
12385 WATER UTILITY HYDRANTS PROGRAM	453,365	-
12340 WATER UTILITY METER PROGRAM	657,795	-
12341 WATER UTILITY UW REHAB PROGRAM	644,319	-
12339 WATER UTILITY VEHICLE PROGRAM	1,395,685	-
12387 WATER VALVE CUT-IN PROGRAM	81,495	-
11900 WELL 14 MITIGATION	897,868	-
17604 WELL 28 IRON AND MANGANESE FILTER	63,000	-
17603 WELL 30 IRON AND MANGANESE FILTER	63,000	-
	\$ 21,062,289	\$ -

Water Utility

Project & Program Details

Project **Booster Pump Station #213 Lakeview Reconstruction** Project # **12441**
 Citywide Element **Green and Resilient** Project Type **Project**

Project Description

This project is for reconstructing the Lake View Booster Pumping Station. The goal of the project is to meet fire fighting requirements and expansion in Zone 5. A generator will also be added to ensure reliability of the pumping station in the event of a power outage. Pump capacity will be increased to 1200 gallons per minute.

	2025	2026	2027	2028	2029	2030
State Sources	-	-	-	-	2,100,000	-
Total	\$ -	\$ -	\$ -	\$ -	\$ 2,100,000	\$ -

Project **Booster Pump Station 128 Upgrade** Project # **12442**
 Citywide Element **Green and Resilient** Project Type **Project**

Project Description

Pressure Zone 11 on the far west side is experiencing development pressure and growth. The Blackhawk elevated tank was completed and put into service in December 2018 and will support projected growth in the area. Pump station capacity at the Blackhawk Booster Pumping Station is a limiting factor and the pumps and electrical systems require upgrade. This proposal will increase firm pumping capacity from 1,000 gallons per minute (gpm) to 1,400 gpm to 2,100 gpm. Design and construction is scheduled in 2027.

	2025	2026	2027	2028	2029	2030
State Sources	-	-	1,100,000	-	-	-
Total	\$ -	\$ -	\$ 1,100,000	\$ -	\$ -	\$ -

Project **Chlorinators & Florinators Program** Project # **12386**
 Citywide Element **Green and Resilient** Project Type **Program**

Project Description

This program rebuilds and replaces chlorinator and florinator equipment on a 10 year replacement cycle. The goal of this program is to reduce failures and service interruptions for safe and reliable water. Progress will be measured by the frequency of equipment failure.

	2025	2026	2027	2028	2029	2030
Reserves Applied	40,000	50,000	50,000	60,000	60,000	63,000
Total	\$ 40,000	\$ 50,000	\$ 50,000	\$ 60,000	\$ 60,000	\$ 63,000

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Project & Program Details

Project	High Point/Raymond/MidTown	Project #	15401
Citywide Element	Green and Resilient	Project Type	Project

Project Description

This project funds the construction of a realignment of Raymond and Mid Town Roads as included in the High Point Raymond Neighborhood Development Plan. The project also includes a multi use path, stormwater improvements and an extension of High Point Road. Construction is to be completed in phases. Funding in 2025 is for real estate acquisition and 2026 is for the first phase of construction on High Point Road.

	2025	2026	2027	2028	2029	2030
Reserves Applied	20,000	-	-	-	-	-
Revenue Bonds	-	1,000,000	-	-	-	1,800,000
Total	\$ 20,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,800,000

Project	Milwaukee Street	Project #	14716
Citywide Element	Green and Resilient	Project Type	Project

Project Description

This project funds a new water main extension at the east end of Milwaukee Street in 2030.

	2025	2026	2027	2028	2029	2030
Revenue Bonds	-	-	-	-	-	1,000,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Project	New Water Facility Planning	Project #	14697
Citywide Element	Green and Resilient	Project Type	Project

Project Description

This project funds investigation into the ways and means of addressing the City's future water supply shortages to combat significant development pressure within parts of the City over the next 20 years. Alternatives will include but will not be limited to: a new well, pumping water from other areas of the system, and optimization of operation.

	2025	2026	2027	2028	2029	2030
Reserves Applied	-	-	-	-	1,500,000	-
Total	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -

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Project & Program Details

Project **Park Street, South** Project # **11133**
 Citywide Element **Green and Resilient** Project Type **Project**

Project Description

MWU Proposes to connect a system hydraulic gap located between Wingra Creek and the railroad crossing to improve system hydraulics in close proximity to Unit Well 18. Also, minor system improvements, as needed, in accommodation of the roadway reconstruction project. Design is planned to continue in 2025 and construction is planned for 2027.

	2025	2026	2027	2028	2029	2030
Water Expense						
Depreciation	40,000	-	735,000	-	-	-
Total	\$ 40,000	\$ -	\$ 735,000	\$ -	\$ -	\$ -

Project **Regent Street** Project # **15233**
 Citywide Element **Green and Resilient** Project Type **Project**

Project Description

Full water main replacement between Randall and S Park Street. Design work will start in 2025 and construction will occur in 2026.

	2025	2026	2027	2028	2029	2030
Water Expense						
Depreciation	40,000	1,305,000	-	-	-	-
Total	\$ 40,000	\$ 1,305,000	\$ -	\$ -	\$ -	\$ -

Project **Unit Well 12 Conversion to a Two Zone Well** Project # **10452**
 Citywide Element **Green and Resilient** Project Type **Project**

Project Description

This project is for rebuilding and expanding Well #12 located on South Whitney Way. The goal of the project is to provide water supply capacity to five existing pressure zones, which represents the majority of the City's west side. The system flexibility provided by this project will improve service reliability and maximize water supply. Funding in 2025 is for design and the start of construction.

	2025	2026	2027	2028	2029	2030
State Sources	800,000	4,000,000	-	-	-	-
Total	\$ 800,000	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -

Water Utility

Project & Program Details

Project **Unit Well Rehab Program** Project # **12341**
 Citywide Element **Green and Resilient** Project Type **Program**

Project Description

This program is for the 10 year unit well upgrade projects as recommended by the Wisconsin Department of Natural Resources. The goal of this program is to ensure that all unit wells are functioning at an efficient level and to reduce annual maintenance costs. Progress will be measured by reduction of maintenance costs, fewer unit well failures, and compliance with the 10 year schedule.

	2025	2026	2027	2028	2029	2030
Reserves Applied	382,000	393,000	405,000	417,000	430,000	451,500
Total	\$ 382,000	\$ 393,000	\$ 405,000	\$ 417,000	\$ 430,000	\$ 451,500

Project **Water Hydrants Program** Project # **12385**
 Citywide Element **Neighborhoods and Housing** Project Type **Program**

Project Description

This program is for the annual raising, replacing and moving of water hydrants. The goal of this program is to maintain reliable service for fire suppression.

	2025	2026	2027	2028	2029	2030
Reserves Applied	424,000	437,000	450,000	464,000	476,000	499,800
Total	\$ 424,000	\$ 437,000	\$ 450,000	\$ 464,000	\$ 476,000	\$ 499,800

Project **Water Mains - New** Project # **12507**
 Citywide Element **Green and Resilient** Project Type **Program**

Project Description

This program is for installing new water mains throughout the City. The goal of the program is to strengthen and expand the existing distribution system, improve water pressure, improve fire protection, allow transfer of water between pressure zones, and to serve the growing areas of the City, working with City Engineering as needed. Newly installed mains include hydraulic improvements consistent with the Water Utility Master Plan.

	2025	2026	2027	2028	2029	2030
Reserves Applied	102,000	106,000	445,000	750,000	750,000	257,000
Total	\$ 102,000	\$ 106,000	\$ 445,000	\$ 750,000	\$ 750,000	\$ 257,000

Water Utility

Project & Program Details

Project	Water Mains Replacement	Project #	11893
Citywide Element	Green and Resilient	Project Type	Program

Project Description

This program is for replacing existing water mains in conjunction with the reconstruction of roads as part of the City's Engineering - Major Streets Reconstruct Streets and Pavement Management program. The goal of the program is to update the water infrastructure, diminishing the risk of pipe failure and to extend the useful life of the pipes at a lower cost than replacing the pipe. As for the pipe lining portion of this project it measures the miles of pipe rehabilitated using the lining method. The program aligns with the Water Utility's goal to replace or rehabilitate over 400 miles of aging pipe within the City over a 40-year period to renew and maintain the system.

	2025	2026	2027	2028	2029	2030
Reserves Applied	1,128,000	1,394,000	2,055,000	3,000,000	3,000,000	2,000,000
Water Expense						
Depreciation	4,960,000	8,655,000	9,265,000	15,000,000	15,000,000	15,000,000
Total	\$ 6,088,000	\$ 10,049,000	\$ 11,320,000	\$ 18,000,000	\$ 18,000,000	\$ 17,000,000

Project	Water Meter and Fixed Network Program	Project #	12340
Citywide Element	Green and Resilient	Project Type	Program

Project Description

This program is for water meter and fixed network advanced metering infrastructure (AMI) improvements. The goal of the program is to provide accurate consumption data for billing purposes. Progress will be measured by comparing the meter accuracy testing results against the Public Service Commission of Wisconsin rules and regulations as well as monitoring the total non-revenue water volume.

	2025	2026	2027	2028	2029	2030
Reserves Applied	552,000	566,000	580,000	595,000	610,000	640,500
Total	\$ 552,000	\$ 566,000	\$ 580,000	\$ 595,000	\$ 610,000	\$ 640,500

Project	Water Utility Facility Improvements	Project #	10440
Citywide Element	Green and Resilient	Project Type	Program

Project Description

This program is for repairing and upgrading Water Utility facilities. The goal of the program is to maintain the facilities for reliable service and reducing emergency repairs. Progress is measured by tracking the number of emergency calls, facility outages, and accidents each year. Funding in 2025 is for fiber optic system installations and upgrades, control and instrumentation replacements and upgrades, cybersecurity upgrades, upgrading GPS system, and other miscellaneous upgrades.

	2025	2026	2027	2028	2029	2030
Reserves Applied	2,195,000	2,385,000	2,457,000	2,530,000	2,606,000	2,736,300
Total	\$ 2,195,000	\$ 2,385,000	\$ 2,457,000	\$ 2,530,000	\$ 2,606,000	\$ 2,736,300

Water Utility

Project & Program Details

Project **Water Utility Vehicles & Equipment** Project # **12339**
 Citywide Element **Green and Resilient** Project Type **Program**

Project Description

This program is for the annual vehicle and equipment replacements and additions. Replacement schedules are based on age and mileage of the vehicles and equipment. The goal of this program is to provide reliable vehicles and equipment for Water Utility's operations. Progress will be measured by the frequency of vehicle breakdowns and actual useful life obtained. In 2025, funds will be used for two backhoes, a valve turning truck, four pickups, a dump truck, a Honda Fit, a Ford Transit, and other miscellaneous equipment.

	2025	2026	2027	2028	2029	2030
Reserves Applied	1,295,000	995,000	1,065,000	1,000,000	1,225,000	1,420,000
Total	\$ 1,295,000	\$ 995,000	\$ 1,065,000	\$ 1,000,000	\$ 1,225,000	\$ 1,420,000

Project **Water Valve Cut-In Program** Project # **12387**
 Citywide Element **Green and Resilient** Project Type **Program**

Project Description

This program is for installing new valve cut-ins to the existing water infrastructure. The goal of this program is to eliminate areas of the city where water service is negatively impacted during water system maintenance and repair. Success is measured by a reduction in complaints from customers for impacted service.

	2025	2026	2027	2028	2029	2030
Reserves Applied	66,000	68,000	70,000	72,000	74,000	77,700
Total	\$ 66,000	\$ 68,000	\$ 70,000	\$ 72,000	\$ 74,000	\$ 77,700

Project **Well 27 Iron & Manganese Mitigation** Project # **14025**
 Citywide Element **Green and Resilient** Project Type **Project**

Project Description

This project will address elevated levels of iron and manganese at Well 27 which exceed Water Utility Board Standards. In addition, radium levels periodically exceed the EPA Safe Drinking Water limit. The goal of the project is to identify strata causing the elevated contaminant levels and determine whether well reconstruction is a viable alternative to wellhead treatment.

	2025	2026	2027	2028	2029	2030
State Sources	-	-	3,500,000	3,500,000	-	-
Total	\$ -	\$ -	\$ 3,500,000	\$ 3,500,000	\$ -	\$ -

Water Utility

2025 Appropriation Schedule

2025 Appropriation

	Request	Executive Budget		Total
		GO Borrowing	Other	
Chlorinators & Florinators Program	40,000	-	40,000	40,000
High Point/Raymond/MidTown	20,000	-	20,000	20,000
Park Street, South	-	-	40,000	40,000
Regent Street	40,000	-	40,000	40,000
Unit Well 12 Conversion to a Two Zone Well	800,000	-	800,000	800,000
Unit Well Rehab Program	382,000	-	382,000	382,000
Water Hydrants Program	424,000	-	424,000	424,000
Water Mains - New	102,000	-	102,000	102,000
Water Mains Replacement	6,088,000	-	6,088,000	6,088,000
Water Meter and Fixed Network Program	552,000	-	552,000	552,000
Water Utility Facility Improvements	2,195,000	-	2,195,000	2,195,000
Water Utility Vehicles & Equipment	1,295,000	-	1,295,000	1,295,000
Water Valve Cut-In Program	66,000	-	66,000	66,000
	\$ 12,004,000	\$ -	\$ 12,044,000	\$ 12,044,000