

4.3. Fifteen Year WATER AND WASTEWATER funds CAPITAL IMPROVEMENT PROJECTS PROGRAM AND FUNDING PLAN for the preparation of the DISTRICT's fiscal year 2025-2026 budget and FIVE-YEAR financial plan



DATE: March 24, 2025

TO: President and Members of the Estero Municipal Improvement District (EMID) Board of Directors

VIA: Stefan Chatwin, District Manager
Marene Subhashini, Assistant District Manager

FROM: Andrew Brozyna, Public Works Director/City Engineer
Nate Cruz, Finance Director

DEPARTMENT: Public Works
Finance

SUBJECT: FIFTEEN YEAR WATER AND WASTEWATER FUNDS CAPITAL IMPROVEMENT PROJECTS PROGRAM AND FUNDING PLAN FOR THE PREPARATION OF THE DISTRICT'S FISCAL YEAR 2025-2026 BUDGET AND FIVE-YEAR FINANCIAL PLAN

RECOMMENDATION

It is recommended that the EMID Board of Directors receive and accept the District's 15-year Water and Wastewater Funds Capital Improvement Projects Program and its funding plan for the preparation of the District's Fiscal Year 2025-2026 budget and five-year financial plan.

EXECUTIVE SUMMARY

In 2010, the EMID Board approved a funding strategy for its Water and Wastewater Capital Improvement Projects (CIP) in the form of a Long-Term CIP Funding program. The current model uses a 15-year capital expenditure forecast and funds those forecasted needs on an annual basis. The District also generally refrains from using debt to finance its capital projects unless it is necessary because of the magnitude of the project (e.g., the Wastewater Treatment Plant project (WWTP)).

The CIP Reserve balances, inclusive of the minimum \$2.0 million emergency reserves in both the Water and Wastewater Funds, are projected to be \$5.44 million and \$6.58 million respectively on June 30, 2025.

Based on the 15-year Water CIP assessment, City staff identified an annual cash funding need from Water operating funds of \$2.6 million in years 1 and 2, followed by \$2.5 million in years 3 and 4, \$1.75 million in year 5, then leveling off at \$1.5 million for the remaining 10 years of the 15-year plan. In addition, a loan of \$4.0 million may be needed in year 3 to fund the new Water Tank Lining and Structural Retrofit CIP, which is shown in the Water Rate Model attached to the Water Rate Staff Report on the March 24, 2025 Budget Study Session agenda.

In the Wastewater Enterprise, staff has identified \$23.2 million of CIP projects over the next two years (of which \$11.3 million are for the WWTP project that is cash funded). As a result, annual funding of \$16.0 million is needed for the first year before declining to \$3.5 million annually for six years and leveling off at \$2.5 million for the remaining 8 years of the 15-year CIP Plan. These funding levels have been incorporated into the rate recommendations which are detailed in separate reports on the March 24, 2025 Budget Study Session agenda.

BACKGROUND

The EMID Board of Directors has made it a priority to ensure that the District's infrastructure is well maintained on an ongoing basis. Such proactive maintenance, repair, and replacement of infrastructure ensures that key systems are operating at peak levels, promotes safety, provides for a continuity of services to the community, maintains property values, and maintains the quality of life that the community has come to expect.

In the District's early years, capital improvement efforts were primarily focused on the construction of new infrastructure. Now that the District is at build-out, there has been a transition from new construction to infrastructure maintenance and replacement (e.g. the WWTP project). This affects how the District characterizes and funds future CIP programs.

Maintenance vs. CIP

Managing the District's infrastructure manifests itself in the following ways:

- Proactive Maintenance Activities – The preventative maintenance efforts of the District's Maintenance crews on an ongoing basis reduce the overall future costs of District infrastructure. These ongoing operating costs offset the magnitude and expense of future infrastructure replacement projects.
- Recurring CIPs – Some CIPs are considered "recurring" and amount to significant repair work, such as pipe repairs, water valve replacements, and water tank lining and coating projects. The underlying infrastructure is still usable, but these larger maintenance efforts help to extend the useful lives of the underlying infrastructure.

- Infrastructure Replacement/Construction Projects – Other CIPs are considered so significant in nature that the entire infrastructure is replaced or built anew. An example of this are the Lift Station rehabilitation projects and the WWTP project.

The District has historically considered the latter two categories (Recurring CIPs and Infrastructure Replacement/Construction) as CIPs, and has funded these projects out of specifically designated CIP funds within each respective Enterprise fund. The District has also incorporated long-term CIP projects in its rate models so that the burden of such projects can be planned for and incorporated into the rate structure to mitigate the impact on customers over a longer period.

ANALYSIS

Approach

The District hired Bartle Wells Associates (BWA) to update the water and wastewater rate model to include the fiscal impacts of the WWTP project on the Long-Term CIP funding analysis and in light of current maintenance efforts, assessment of replacement requirements, and replacement costs in the following categories:

Water System

- Fire Hydrants – these important safety amenities are included in the water operations
- Water Infrastructure – this includes pipes, valves, seismic retrofits, water tank improvements (not replacement), and other elements of the delivery of water from the point of the District's water structures to delivery at customers' properties
- Water Structures – this includes the four (4) water tanks and the booster pump station located at the Corporation Yard

Wastewater System

- Pipelines – the primary means of collecting wastewater from customers and transporting it to the WWTP in San Mateo
- Valves – which serve as critical junction and shutoff points within the system
- Lift Stations – since Foster City is relatively flat, Lift Stations and their accompanying generators assist wastewater to flow through the system to the wastewater treatment plant where gravity would otherwise serve this purpose
- Parallel Force Mains – critical elements at key points that connect the wastewater system

Next, District staff considered the level of maintenance and serviceability of capital assets in order to determine the appropriate estimated useful lives of each asset. District staff also considered the relative costs associated with such maintenance to evaluate the cost-effectiveness of such maintenance efforts.

15-Year CIP Capital Improvement Projects Program and Key Changes from the Prior Year (Attachment 5)

The Capital Improvement Plan has been updated to best reflect the recommended projects needed in the 15-year term. Some key changes include the addition of one (1) new water project and two (2) new wastewater projects not previously included in the plan, as well as the removal of projects that are currently funded and not anticipated to require additional funding in future years. Some projects reflect an expanded scope of work and some were updated based on the significant inflationary increases in the construction market. Specific and detailed information about the calculations performed and the 15-year projects are found in Attachments 1 to 6 to this report.

Assumptions

Funding Sources

Initial assumptions were made about the funding sources of the various assets (typically enterprise operating fund transfers to the enterprise CIP Fund, equipment replacement fund, and/or development capacity fees). If an asset's replacement value would be considered so significant that the only effective funding option is to use debt financing (in the form of bonds, federal and state programs, bank loans, etc.) those assets would be excluded. The asset categories and their typical funding sources for the Water and Wastewater enterprise are as follows:

Water System

- Fire Hydrants – hydrants do not typically call for replacement; operating funds are used to replace hydrants which are damaged or require repair.
- Valves – CIP funding is needed to replace, rehabilitate or repair various infrastructure elements such as pipes, valves, and other elements mentioned above when necessary; system wide replacement of each element type is not anticipated short of a catastrophic event.
- Water Structures – water tanks have very long lives; lining in the three steel tanks requires CIP funding approximately every 15 years.
- Water Meters – funding for meters that are replaced as part of CIPs is included in the analysis. Some water meter replacements that are in the Equipment Replacement Fund or replaced during maintenance operations are not considered as part of this analysis.

Wastewater System

- Pipes – CIP funding for pipes requiring rehabilitation or repair; system-wide replacement of pipes is not anticipated short of a catastrophic event
- Valves – valve replacement costs are included in CIP plans.
- Lift Stations – lift station rehabilitation projects require CIP funding; generators, their transfer switches, and portable generators that are funded through Equipment Replacement funds and are not considered as part of this analysis.
- Parallel Force Mains – force main replacement requires CIP funding.
- Wastewater Treatment System (WWTP) – rehabilitation that San Mateo is undertaking under its 10-year integrated Wastewater Master Plan (Clean Water Program) for which the District will be responsible for its proportionate share of

costs. Much of its costs are funded through debt financing with surplus working capital providing the balance of funding.

Expenditure Assumptions

Replacement values were reviewed and updated from the prior year's analysis as necessary. All values were expressed in terms of future replacement, taking into consideration factors such as inflation, project size, timing and construction contingency funding.

Revenue Assumptions

In both the cases of Water and Wastewater rates, CIP funding is considered as part of the "fixed costs" of each system and is included in the 10-year rate model which projects costs using a "pay-as-you-go" philosophy. The rate model does not reflect the actual expenditures on CIPs; rather it reflects annual planned funding.

15-Year Funding Methodology

The District generally uses a funding methodology that looks at the total replacement value of assets that are scheduled to be replaced in the next 15-year window, and then averages the replacement amount over the 15-years. The Public Works Department prepared the 15-year project list considering replacement value, timing, and necessity.

Based upon staff's review of the components of the 15-Year CIP funding needs, the average annual funding need is \$1.833 million for Water CIP projects, and \$3.774 million for Wastewater CIP projects.

This funding amount is then compared to the available fund balance reserves, and those reserves are compared to the cash flow requirements to fund projects in the 15-year forecast. The EMID Board of Directors' minimum emergency reserve requirement for capital improvement projects is \$2.0 million each for the Water Capital Improvement Projects Fund and the Wastewater Capital Improvements Project Fund. The 15-Year Fund Balance analysis then reduces the 15-Year Average CIP funding to maintain the Capital Projects Fund Reserves in each fund above the \$2 million minimum reserve threshold over the 15-year forecast.

CEQA

Not Applicable

FISCAL IMPACT

Staff seeks EMID Board comments on District's 15-year capital improvement projects as well as direction to implement the following funding plan as shown in the analysis in the attachments to this report. If approved, the FY 2025-2026 Preliminary Enterprise Budget

and Five-Year Financial Plan will be prepared, and water and wastewater rates for FY 2025-2026 will be calculated to include the following:

- Water Capital Improvement Plan: \$2.6 million in years 1 and 2, \$2.5 million in years 3 and 4, \$1.75 million in year 5, \$1.5 million annually for the remaining 10 years of the 15-year plan.
- Wastewater Capital Improvement Plan: \$16.0 million in year 1, \$3.5 million for the next six years; \$2.5 million for the remaining 8 years of the 15-year CIP Plan.

CITY COUNCIL VISION, MISSION, AND VALUE/PRIORITY AREA

Fiscal Sustainability

ATTACHMENTS:

Attachment 1 – Water Enterprise CIP Funding Strategy

Attachment 2 – Water Enterprise 15-Year CIP Costs

Attachment 3 – Wastewater Enterprise CIP Funding Strategy

Attachment 4 – Wastewater Enterprise 15-Year CIP Costs

Attachment 5 – Water and Wastewater 15-Year CIP Comparison

Attachment 6 – Capital Improvement Program Fiscal Year 2025-2026 through Fiscal Year 2039-2040

Water Enterprise Fund

Funding Strategy
 15-Year Fund Balance Analysis

	Fund Balance Analysis - 15-Year Forecast (FYE 6/30)															15 year Total
	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
Beginning Fund Balance	5,438,483	7,804,953	6,954,953	2,460,912	3,522,912	4,272,912	5,722,912	4,722,912	4,222,912	5,722,912	6,472,912	7,222,912	6,972,912	4,222,912	4,972,912	5,438,483
Less: Capital Improvement Expenditures	(800,000)	(3,450,000)	(7,250,000)	(1,438,000)	(1,000,000)	(50,000)	(2,500,000)	(2,000,000)	-	(750,000)	(750,000)	(1,750,000)	(4,250,000)	(750,000)	(750,000)	(27,488,000)
Add: Other Funding Sources																
Water Connection Fees	566,470	-	255,959	-	-	-	-	-	-	-	-	-	-	-	-	822,429
Add: Annual Long-Term CIP Funding from Operations (1)	4,433,000	4,433,000	4,333,000	4,333,000	3,583,000	3,333,000	3,333,000	3,333,000	3,333,000	3,333,000	3,333,000	3,333,000	3,333,000	3,333,000	3,333,000	54,445,000
Increase (Decrease) to Annual Long-Term CIP Funding due to Excess / Deficiency of Reserves (2)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(1,833,000)	(27,495,000)
Ending Fund Balance	7,804,953	6,954,953	2,460,912	3,522,912	4,272,912	5,722,912	4,722,912	4,222,912	5,722,912	6,472,912	7,222,912	6,972,912	4,222,912	4,972,912	5,722,912	5,722,912
Less Minimum Fund Balance Requirement	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Excess Fund Balance Over Minimum Requirement	5,804,953	4,954,953	460,912	1,522,912	2,272,912	3,722,912	2,722,912	2,222,912	3,722,912	4,472,912	5,222,912	4,972,912	2,222,912	2,972,912	3,722,912	3,722,912
Net Annual Long-Term CIP Funding from Operations (1) - (2)	2,600,000	2,600,000	2,500,000	2,500,000	1,750,000	1,500,000	26,950,000									

NOTE:

This analysis projects fund balance levels over the 15-year period to determine:

- (A) - That there are sufficient funds to meet cash flow requirements in future years
- (B) - The extent to which excess cash is being reserved

Water Enterprise Fund

**Funding Strategy
 15-Year Capital Expenditure Requirements**

Capital Expenditure Requirements - 15-Year Forecast (FYE 6/30)																
Asset Category	Total Cash Flow Requirements	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Fire Hydrants ⁽¹⁾																
Water Main Condition Assessment	500,000	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Permanent Emergency Bypass																
Transmission Main on E. Third Ave.	1,000,000	300,000	700,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Tank Lining and Structural Retrofit	8,550,000	-	750,000	5,250,000	-	-	50,000	2,500,000	-	-	-	-	-	-	-	-
Large Water Valve Replacement	1,500,000	-	1,000,000	500,000	-	-	-	-	-	-	-	-	-	-	-	-
Coating on Transmision Main at Seal Slough Bridge	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Cathodic Protection Anode Beds	500,000	-	-	500,000	-	-	-	-	-	-	-	-	-	-	-	-
Water Facilities Seismic Vulnerability Assessment	125,000	-	-	125,000	-	-	-	-	-	-	-	-	-	-	-	-
Two Engines and Pump Replacement at Water Booster Pump Station	975,000	-	-	375,000	600,000	-	-	-	-	-	-	-	-	-	-	-
Chlorine Analyzers and Auto Flushers	700,000	-	-	-	700,000	-	-	-	-	-	-	-	-	-	-	-
East Hillsdale Blvd Loop	138,000	-	-	-	138,000	-	-	-	-	-	-	-	-	-	-	-
Large Water Valve Replacement	1,000,000	-	-	-	-	1,000,000	-	-	-	-	-	-	-	-	-	-
Recycled Water Connection	1,000,000	-	-	-	-	-	-	-	1,000,000	-	-	-	-	-	-	-
Large Water Valve Replacement	2,000,000	-	-	-	-	-	-	-	1,000,000	-	-	-	1,000,000	-	-	-
Water System Improvement Project	4,500,000	-	-	-	-	-	-	-	-	-	750,000	750,000	750,000	750,000	750,000	750,000
Water Tank Inspection and Recoating	3,500,000	-	-	-	-	-	-	-	-	-	-	-	-	3,500,000	-	-
Corp Yard Fencing	500,000	-	-	500,000	-	-	-	-	-	-	-	-	-	-	-	-
Totals	27,488,000	800,000	3,450,000	7,250,000	1,438,000	1,000,000	50,000	2,500,000	2,000,000	-	750,000	750,000	1,750,000	4,250,000	750,000	750,000
Average 15 Year Funding	1,832,533															
say	1,833,000															

NOTE:
 This strategy identifies the average annual cash flow requirements for funding asset replacement over a 15-year forecast.

⁽¹⁾ - Fire hydrants are replaced as needed through the annual operating budgets. Short of a major catastrophe, it is assumed operating budgets will handle replacements
⁽²⁾ - Projects identified by Water Master Plan (approved in February 2020), are based on approximate budgeting numbers and are subject to change based on Staff's analysis in the current year

Wastewater Enterprise Fund

**Funding Strategy
 15-Year Fund Balance Analysis**

	Fund Balance Analysis - 15-Year Forecast (FYE 6/30)															15 year Total
	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
Beginning Fund Balance	6,578,500	3,343,063	3,985,260	6,826,080	5,526,080	6,026,080	6,836,080	4,636,080	7,136,080	7,436,080	9,936,080	6,236,080	8,736,080	5,036,080	7,536,080	6,578,500
Less: Capital Improvement Expenditures	(20,359,516)	(2,857,803)	(2,600,000)	(4,800,000)	(3,000,000)	(2,690,000)	(5,700,000)	-	(2,200,000)	-	(6,200,000)	-	(6,200,000)	-	-	(56,607,319)
Add: Other Funding Sources																
Wastewater Connection Fees	1,124,079	-	1,940,820	-	-	-	-	-	-	-	-	-	-	-	-	1,124,079
Add: Annual Long-Term CIP Funding from Operations (1)	19,774,000	7,274,000	7,274,000	7,274,000	7,274,000	7,274,000	7,274,000	6,274,000	6,274,000	6,274,000	6,274,000	6,274,000	6,274,000	6,274,000	6,274,000	113,610,000
Increase (Decrease) to Annual Long-Term CIP Funding due to Excess / Deficiency of Reserves (2)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(3,774,000)	(56,610,000)
Ending Fund Balance	3,343,063	3,985,260	6,826,080	5,526,080	6,026,080	6,836,080	4,636,080	7,136,080	7,436,080	9,936,080	6,236,080	8,736,080	5,036,080	7,536,080	10,036,080	8,095,260
Less Minimum Fund Balance Requirement	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Excess Fund Balance Over Minimum Requirement	1,343,063	1,985,260	4,826,080	3,526,080	4,026,080	4,836,080	2,636,080	5,136,080	5,436,080	7,936,080	4,236,080	6,736,080	3,036,080	5,536,080	8,036,080	6,095,260
Net Annual Long-Term CIP Funding from Operations (1) -	16,000,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	2,500,000	57,000,000							

NOTE:

This analysis projects fund balance levels over the 15-year period to determine:
 (A) - That there are sufficient funds to meet cash flow requirements in future years
 (B) - The extent to which excess cash is being reserved

Wastewater Enterprise Fund

Funding Strategy

15-Year Cash Flow Model

Asset Category	Total Cash Flow Requirements	Cash Flow Requirements - 15-Year Forecast (FYE 6/30)														
		2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
WWTP Master Plan Improvements	11,317,319	9,959,516	1,357,803	-	-	-	-	-	-	-	-	-	-	-	-	-
Emergency Generator Replacements	2,000,000	2,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell Bridge Sanitary Sewer Force Main Rehabilitation	500,000	500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sanitary Sewer Life Station Improvements Phase 6	8,900,000	7,900,000	1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacements	2,500,000	-	500,000	2,000,000	-	-	-	-	-	-	-	-	-	-	-	-
Overflow, Redundancy, Bypassing and Backup Power Study	1,100,000	-	-	100,000	1,000,000	-	-	-	-	-	-	-	-	-	-	-
Wastewater Master Plan	600,000	-	-	-	600,000	-	-	-	-	-	-	-	-	-	-	-
Sanitary Sewer Life Station Improvements Phase 7	6,200,000	-	-	-	3,200,000	3,000,000	-	-	-	-	-	-	-	-	-	-
Sanitary Sewer System Improvements	1,000,000	-	-	-	-	-	1,000,000	-	-	-	-	-	-	-	-	-
Wastewater Collection Systems Improvements	6,090,000	-	-	-	-	-	1,690,000	-	-	2,200,000	-	-	-	2,200,000	-	-
Improvements Phase 8	5,700,000	-	-	-	-	-	-	5,700,000	-	-	-	-	-	-	-	-
Sanitary Sewer Lift Station Improvements Phase 9	6,200,000	-	-	-	-	-	-	-	-	-	6,200,000	-	-	-	-	-
Lift Station Electrical Control Upgrade	4,000,000	-	-	-	-	-	-	-	-	-	-	-	4,000,000	-	-	-
Corp Yard Fencing	500,000	-	-	500,000	-	-	-	-	-	-	-	-	-	-	-	-
Totals	56,607,319	20,359,516	2,857,803	2,600,000	4,800,000	3,000,000	2,690,000	5,700,000	-	2,200,000	-	6,200,000	-	6,200,000	-	-

Average 15 Year Funding 3,773,821
 say 3,774,000

Waste Water Treatment Plant project encumbrances ¹

NOTE:
 This strategy identifies the average annual cash flow requirements for funding asset replacement over a 15-year forecast.

⁽¹⁾ The District and the City of San Mateo are undertaking the rehabilitation of its jointly owned wastewater treatment plant (WWTP) located in San Mateo. Under the terms of the Joint Powers Agreement, EMID is responsible for 24.12% and the City of San Mateo is responsible for 75.88% of the WWTP costs. The estimated District apportionment of total project cost is \$163.3 million through FY 2025-26. The project's debt financings have included Revenue Bonds, Revenue Notes/WIFIA loan, and a State Resolving Loan.
⁽²⁾ The District has capacity in its Operating Fund's working capital to pay a portion of the joint WWTP costs.
⁽³⁾ The District also has capacity in its Operating Fund's working capital to pay for its sole costs consisting of consultants (EKI, Hydrosience, etc.) and legal counsel.

15-Year CIP Comparison

	Fifteen Year Period FY 24/25 - 38/39	Fifteen Year Period FY 25/26 - 39/40	Increase (Decrease)	Notes
Water Enterprise:				
Water Main Condition Assessment	250,000	500,000	250,000	1
Permanent Emergency Bypass Transmission Main on E. Third Ave	1,000,000	1,000,000	-	2
Large Water Valve Replacment (24-25)	1,500,000	1,500,000	-	2
Coating on 24-inch Transmission Main at Seal Slough Bridge	1,000,000	1,000,000	-	3
Assessment of Cathodic Protection Anode Beds	500,000	500,000	-	2
Water Facilities Seismic Vulnerability Assessment	125,000	125,000	-	2
Two Engines and Pump Replacement at Water Booster Pump Station	975,000	975,000	-	2
Chlorine Analyzers and Auto Flushers	700,000	700,000	-	2
East Hillsdale Boulevard Loop	138,000	138,000	-	2
Large Water Valve Replacment (Long-Term)	3,000,000	3,000,000	-	2
Recycled Water Connection	1,000,000	1,000,000	-	2
Water System Improvements Project	4,500,000	4,500,000	-	2
Water Tank Inspection and Recoating	3,500,000	3,500,000	-	2
Corporation Yard Fence Replacement/Rehabilitation	-	500,000	500,000	4
Water Tank Lining and Structural Retrofit	-	8,550,000	8,550,000	5
Total	18,188,000	27,488,000	9,300,000	

Wastewater Enterprise:

Emergency Generator Replacements	3,900,000	2,000,000	(1,900,000)	6
Shell Bridge Sanitary Sewer Force Main Rehabilitation	500,000	500,000	-	2
Sanitary Sewer Lift Stations (Phase 6 and 7)	15,100,000	15,100,000	-	2
Sanitary Sewer Manhole Replacements	2,500,000	2,500,000	-	2
Overflow, Redundancy, Bypass, and Backup Power Study	1,100,000	1,100,000	-	2
Sanitary Sewer System Improvements	1,000,000	1,000,000	-	2
Wastewater Collection System Improvements	6,090,000	6,090,000	-	2
Sanitary Sewer Lift Stations (Phase 8 and 9)	11,900,000	11,900,000	-	2
Lift Station Electrical Control Upgrade	4,000,000	4,000,000	-	2
WWTP Joint Costs to be funded by surplus Operating Fund Working Capital	10,102,575	11,317,319	1,214,744	7
Wastewater Master Plan	-	600,000	600,000	8
Corporation Yard Fence Replacement/Rehabilitation	-	500,000	500,000	4
	56,192,575	56,607,319	414,744	

Detailed Analysis:

Note 1

Costs realigned to encompass specialty training. Project details in the Five-Year CIP.

Note 2

No funding changes recommended from FY 2024-2025 plan.

Note 3

No funding changes recommended from FY 2024-2025 plan; \$500,000 from Water Capacity Fees

Note 4

Project allocated to CIP City 50%, Water Capital 25% and Wastewater Capital 25%. Project details in the Five-Year CIP.

Note 5

Project details in the Five-Year CIP.

Note 6

Phase 1 (generator purchase) underway. Remaining funding for subsequent phases. Project details in the Five-Year CIP

Note 7

EMID specific costs to be paid with enterprise revenues; Joint costs to be funded by surplus Operating Fund working capital.

Note 8

Wastewater Master Plan recommended to be updated every 20 years.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Category	NO.	Project Name	Funding Source	TOTAL - Not Inc	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	2037-2038	2038-2039
2	WATER PROJECTS																		
3	A	WA-01	(CIP 405-723) WATER MAIN CONDITION ASSESSMENT (2024-2025)	CW	500,000	500,000													
4	A	WA-02	(NEW CIP) PERMANENT EMERGENCY BYPASS TRANSMISSION MAIN ON E. THIRD AVE. (2025-2026)	CW	1,000,000	300,000	700,000												
5	A	WA-03	(NEW CIP) WATER TANK LINING AND STRUCTURAL RETROFIT (2026-2027)	CW	8,550,000		750,000	5,250,000			50,000	2,500,000							
6	B	WA-04	(NEW CIP) LARGE WATER VALVE REPLACEMENT (2026-2027)	CW	1,500,000		1,000,000	500,000											
7	B	WA-05	(NEW CIP) COATING ON 24-INCH TRANSMISSION MAIN AT SEAL SLOUGH BRIDGE (2026-2027)	PT	1,000,000		1,000,000												
8			WA-05 Funding Source #1 - Water Fund	CW	500,000		500,000												
9			WA-05 Funding Source #2 - Water Development Impact Fees	WCF	500,000		500,000												
10	A	WA-06	(NEW CIP) ASSESSMENT OF CATHODIC PROTECTION ANODE BEDS (2027-2028)	CW	500,000			500,000											
11	A	WA-07	(NEW CIP) WATER FACILITIES SEISMIC VULNERABILITY ASSESSMENT (2027-2028)	CW	125,000			125,000											
12	A	WA-08	(NEW CIP) TWO ENGINES AND PUMP REPLACEMENT AT WATER BOOSTER PUMP STATION (2027-2028)	CW	975,000			375,000	600,000										
13	A	WA-09	(NEW CIP) CHLORINE ANALYZERS AND AUTOFLUSHERS AT VARIOUS LOCATIONS (2028-2029)	CW	700,000				700,000										
14	B	WA-10	(NEW CIP) EAST HILLSDALE BOULEVARD LOOP (2028-2029)	CW	138,000				138,000										
15	B	WA-11	(NEW CIP) LARGE WATER VALVE REPLACEMENT (2029-2030)	CW	1,000,000					1,000,000									
16			(NEW CIP) RECYCLED WATER CONNECTION	CW	1,000,000								1,000,000						
17			(NEW CIP) LARGE WATER VALVE REPLACEMENT PROJECT	CW	2,000,000								1,000,000				1,000,000		
18			(NEW CIP) WATER SYSTEM IMPROVEMENTS PROJECT	CW	4,500,000										750,000	750,000	750,000	750,000	750,000
19			(NEW CIP) WATER TANK INSPECTION AND RECOATING	CW	3,500,000													3,500,000	
20	B	BD-03	(NEW CIP) CORPORATION YARD FENCE REPLACEMENT/REHABILITATION (FY 2027-2028)	CW	500,000			500,000											
21					27,488,000	800,000	3,450,000	7,250,000	1,438,000	1,000,000	50,000	2,500,000	2,000,000	-	750,000	750,000	1,750,000	4,250,000	750,000
22																			
23																			
24																			
25																			
26	Category	NO.	Project Name	Funding Source	TOTAL	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	2037-2038	2038-2039
27	WASTEWATER PROJECTS																		
28	A	WW-01	(CIP 455-652) WASTEWATER TREATMENT PLANT MASTER PLAN IMPROVEMENTS (2015-2016)	CWW	11,317,319	9,959,516	1,357,803												
29	A	WW-02	(CIP 455-705) EMERGENCY GENERATOR REPLACEMENTS (2021-2022)	CWW	2,000,000	2,000,000													
30	A	WW-03	(CIP 455-710) SHELL BRIDGE SANITARY SEWER FORCE MAIN REHABILITATION (2022-2023)	CWW	500,000	500,000													
31	A	WW-04	(CIP 455-719) SANITARY SEWER LIFT STATION IMPROVEMENTS - PHASE 6 (2023-2024)	CWW	8,900,000	7,900,000	1,000,000												
32	A	WW-05	(NEW CIP) SANITARY SEWER MANHOLE REPLACEMENTS (2026-2027)	CWW	2,500,000		500,000	2,000,000											
33	B	WW-06	(NEW CIP) OVERFLOW, REDUNDANCY, BYPASSING AND BACKUP POWER STUDY (2027-2028)	CWW	1,100,000			100,000	1,000,000										
34	B	WW-07	(NEW CIP) WASTEWATER MASTER PLAN (2028-2029)	CWW	600,000				600,000										
35	A	WW-08	(NEW CIP) SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 7 (2028-2029)	CWW	6,200,000			3,200,000	3,000,000										
36			(NEW CIP) SANITARY SEWER SYSTEM IMPROVEMENTS (formerly CIP 455-696)	CWW	1,000,000						1,000,000								
37			(NEW CIP) WASTEWATER COLLECTION SYSTEMS IMPROVEMENTS	CWW	6,090,000						1,690,000			2,200,000					2,200,000
38			(NEW CIP) SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 8	CWW	5,700,000							5,700,000							
39			(NEW CIP) SANITARY SEWER LIFT STATIONS IMPROVEMENTS - PHASE 9	CWW	6,200,000											6,200,000			
40			(NEW CIP) LIFT STATION ELECTRICAL CONTROL UPGRADE	CWW	4,000,000														4,000,000
41	B	BD-03	(NEW CIP) CORPORATION YARD FENCE REPLACEMENT/REHABILITATION (FY 2027-2028)	CWW	500,000			500,000											
42					56,607,319	20,359,516	2,857,803	2,600,000	4,800,000	3,000,000	2,690,000	5,700,000	-	2,200,000	-	6,200,000	-	6,200,000	-
43																			