



CFPUA Capital Improvements Plan

Fiscal Years 2026 - 2035



Cape Fear
Public Utility Authority



TABLE OF CONTENTS

Section

Executive Summary

Appendix A. Fiscal Year 2026 Capital Budget

- FY-2026 Project Distribution By Project Type
- FY-2026 Project Distribution By Project Area
- FY-2026 Project Budgets Greater than \$1 Million
- Project Drivers and Benefits Matrix
- FY-2026 CIP Budget Priority Sort with Running Cumulative Total
- FY-2026 Individual Project Detailed Information
- FY-2026 Capital Improvements Highest to Lowest Project Budget Sort
- Projected Operating Budget Impacts from FY-2026 CIP

Appendix B. Ten Year FY-2026 to FY-2035 Capital Improvements Plan

- Ten Year CIP Distribution By Project Type
- Ten Year CIP Distribution By Project Area
- WATER: Projected Ten Year Capital Improvements Plan
- WASTEWATER: Projected Ten Year Capital Improvements Plan
- SYSTEM WIDE: Projected Ten Year Capital Improvements Plan
- Ten Year CIP Highest to Lowest Total Planned Project Cost Sort

Executive Summary

Executive Summary

FY-2026 Capital Improvement Plan

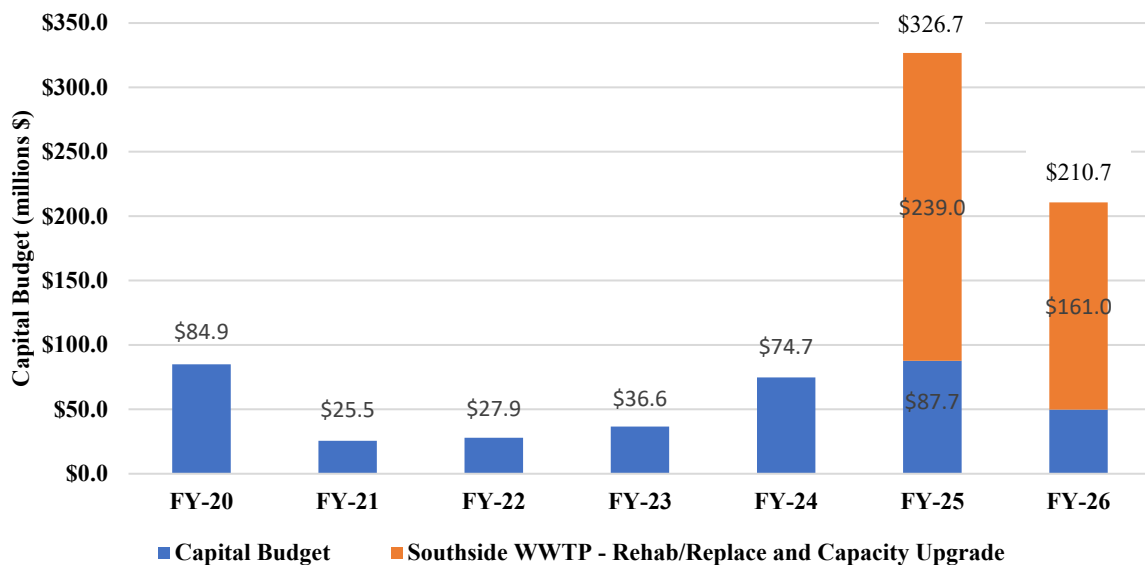
The FY-2026 Capital Improvement Plan (CIP) totals \$210.7 million, which is about \$150 million more than was projected last year. The increase is primarily due to higher estimated costs for Southside Wastewater Treatment Plant (SSWWTP). The estimated range of this project is from \$297 to \$508 million depending upon the success of value engineering activities. A cost of \$400 million is being used for capital planning purposes. To mitigate potential rate increases in FY-2026 due to SSWWTP, several capital projects were considered for deferral past FY-2030 and the following table summarizes these recommendations. Deferrals of these projects increase some risks which are mitigated as briefed to the Board.

Projects recommended for deferral past FY-2030

Projects for Deferral	Deferrals Past FY-2030
Reduce Find it, Fix it Water Funding for 5 years	\$25,000,000
Defer PS-95 Capacity Increase	\$10,000,000
Defer PS-57 Capacity Increase	\$3,000,000
Defer PS-14 Rehab	\$11,700,000
Defer PS-12 Rehab	\$7,600,000
Defer PS-34 NEI Force Main Rehab	\$10,400,000
Defer Motts and Bernards Creek Outfall Rehab	\$16,000,000
Total Deferrals Past FY-2030	\$83,700,000

The graph below shows the FY-2026 proposed CIP value in comparison to historical CIP budgets since FY-2020.

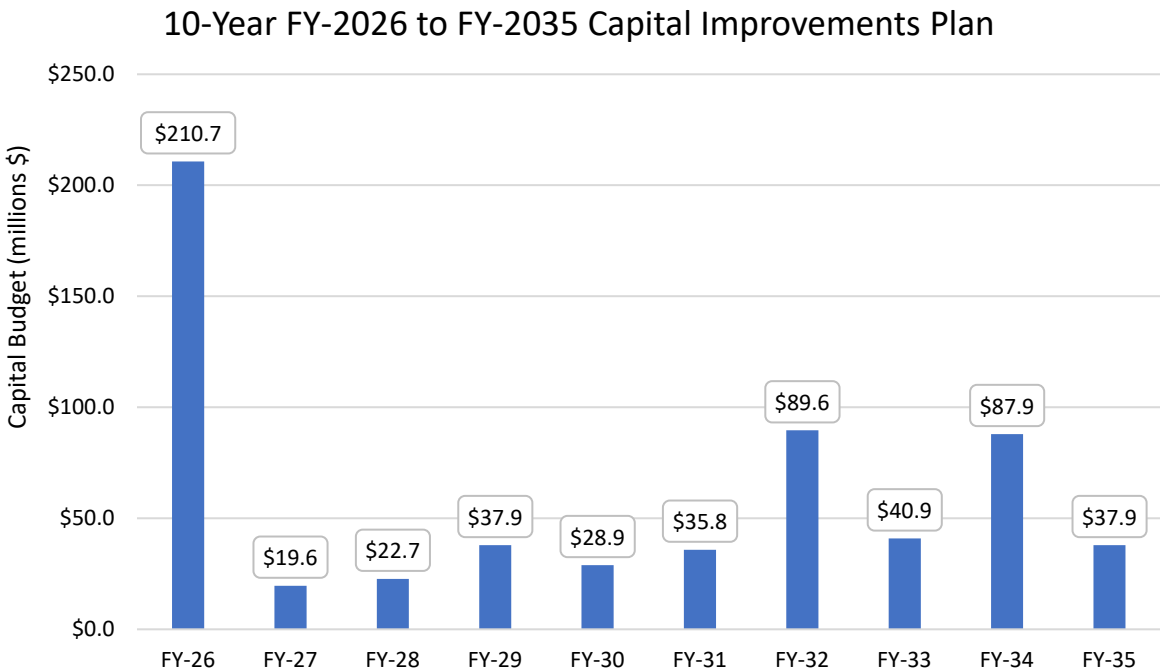
Historical and Current Year Capital Improvements Plan



The largest capital investment in FY-2026 is the \$161 million value for the Southside WWTP - Rehab/Replacement and Capacity Upgrade project. This project replaces the existing 12 million gallons per day (MGD) treatment plant and constructs a new treatment plant with at least 4 MGD increased capacity. Thus far, CFPUA has received approval for \$140 million in State Revolving Fund (SRF) low interest loans from the Division of Water Infrastructure (DWI). Additional low interest loan funding may be requested in the Spring SRF funding round. The project is on-going using the design-build project delivery method and value engineering. Implementing this project is critical with respect to compliance, efficiency, capacity/growth, and sustainability.

10-Year Capital Improvement Plan

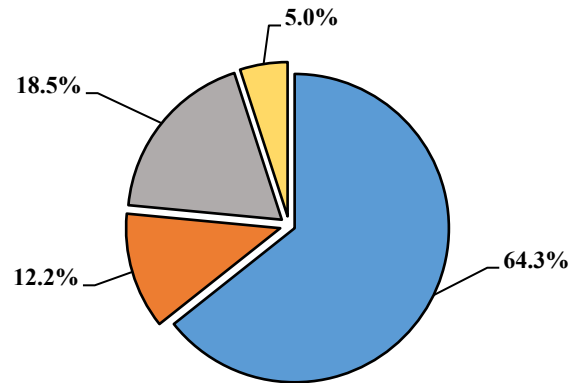
The graph below shows the annual funding proposed for this 10-year CIP which totals 612.1 million.



The Southside WWTP - Rehab/Replacement and Capacity Upgrade project is the largest single project in the 10-year CIP. While the project value is recognized in FY-2026, the actual construction and spending of appropriated funds will continue through FY-2030.

Rehabilitation or replacement of aging infrastructure remains a significant focus for CFPUA, which is reflected by 64.3 percent of the total 10-year CIP that is allocated to rehabilitation and replacement of aging infrastructure. Expansion projects that eliminate capacity bottlenecks in the existing water and sewer systems represent about 12.2 percent of the total CIP investment over the 10-year period. Eliminating these bottlenecks enables growth and expansion by development, which in turn grows the customer base. The graph below shows the project distribution by type over the 10-year planning period.

10-Year Project Distribution by Type

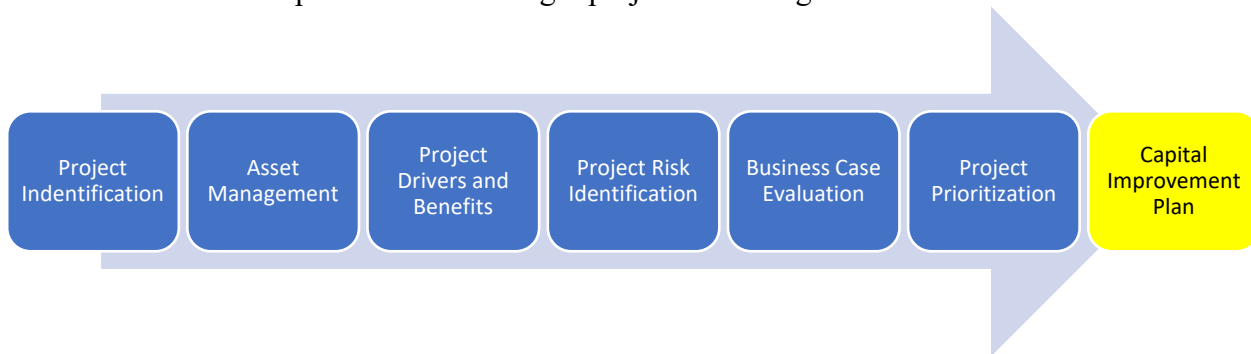


- Rehab/Replacement of Aging Infrastructure
- System Expansion to Support a Growing Customer Base (non-SSWWTP)
- System Expansion to Support a Growing Customer Base (SSWWTP Growth)
- System Enhancements

Capital Improvement Plan - Process and Approach

Overview

The process to develop the annual and 10-year Capital Improvement Plan (CIP) is shown below. It consists of a multi-step process from project identification through the final project prioritization. Every year, the existing CIP and any new project requests are evaluated together through this process to ensure that the recommended plan includes the right projects at the right time.



Project Identification

The first step in the development of the annual and 10-year CIP is the identification of potential projects. Projects can be brought forward by any Department to the CFPUA Capital Committee. The Capital Committee reviews the supporting documentation for all the new projects that have been submitted. Along with reviewing all proposed new projects for the capital program, the Capital Committee also re-evaluates all existing projects in the capital program. The goal is to evaluate and prioritize all projects based on asset management practices, specific drivers and benefits, risk mitigation, and the overall business need for the project. The prioritized list of capital projects must also be consistent with CFPUA's financial goals.

Asset Management

In developing the CIP, CFPUA's strategy is that Asset Management data drives decisions. CFPUA implemented an enterprise-wide asset management program in 2010. The core components of the asset management program are all focused on characterizing the water, wastewater, and support assets in terms of:

- Asset inventory and asset conditions.
- Level of service the assets must provide.
- Criticality and risk of asset failure.
- Life cycle costs of the assets.
- Business case development to support capital improvement decisions.

The first step in CFPUA's Asset Management journey was the development of a Computerized Maintenance Management System (CMMS) to track all assets. To date, approximately 358,000 assets are inventoried in the CMMS and over 1,750,000 work orders have been tracked through completion. One of the strengths of the CMMS is its ability to track "horizontal" assets with an interface to the CFPUA GIS system. This allows the operational staff to track all aspects of the work that was performed on the assets, including preventive or corrective maintenance, work performed by contractors, and internal and external costs. All asset maintenance data collected supports analysis with respect to the cost to own and operate the asset.

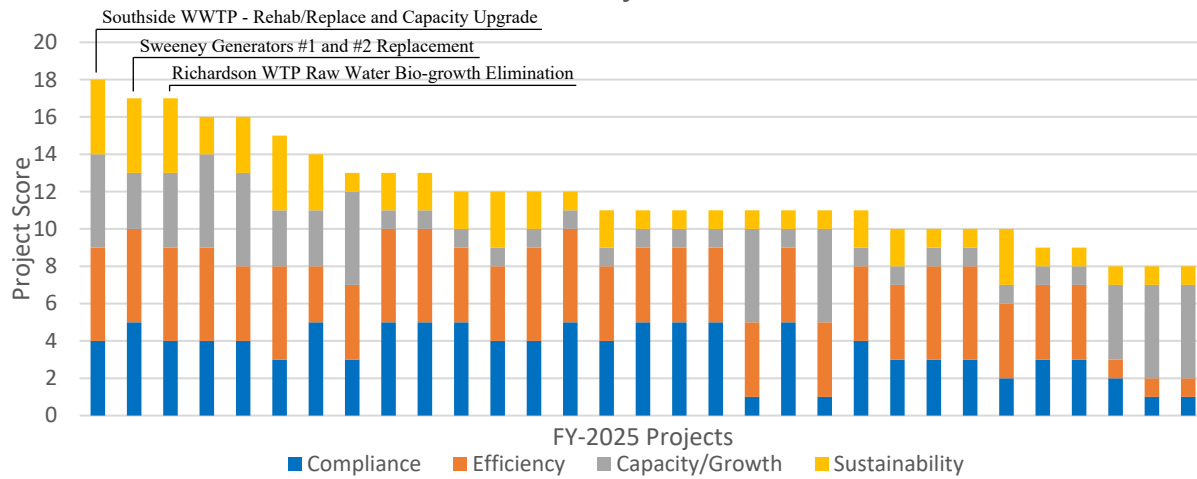
Project Drivers and Benefits

All proposed capital projects are evaluated based on the Drivers and Benefits that are associated with the project. The four standard Drivers and Benefits that must be identified for each proposed project are:

1. **Compliance** - current and future regulatory compliance, including safety and water quality.
2. **Efficiency** - leading to future operating or capital savings, including customer service and financing options.
3. **Capacity/Growth** - eliminating capacity bottlenecks, additional capacity and/or customers served.
4. **Sustainability** - energy savings, reduced carbon footprint, climate change adaptation.

For each criterion, a project receives a score of 1, 2, 3, 4, or 5. The appendix includes a matrix showing how the score can be established in a standard approach to all proposed projects.

FY-2026 Total Project Driver Scores



The graph above shows the FY-2026 projects and their total score for Compliance, Efficiency, Capacity/Growth and Sustainability. Scoring details appear on each specific project sheet.

All proposed capital projects are evaluated based on **Risk**, which is defined as the consequence of failure times the likelihood of failure. The risk assessment matrix is shown below.

Each proposed capital project receives an asset risk score before the project is implemented (current conditions) and after the proposed project has been implemented. Project Risk Identification ensures that the highest risk projects are addressed in a timely manner. Also, by comparing the risk before versus the risk after, it demonstrates how the capital investment lowers the overall risk to the Authority.

WATER						
LIKELIHOOD	5-Very Likely	5	10	15	20	25
	4-Likely	4	8	12	16	20
	3-Possible	3	6	9	12	15
	2-Unlikely	2	4	6	8	10
	1-Very Unlikely	1	2	3	4	5
	FAILURE	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe
	CONSEQUENCE					

SYSTEM WIDE						
L I K E L I H O O D	5-Very Likely	5	10	15	20	25
	4-Likely	4	8	12	16	20
	3-Possible	3	6	9	12	15
	2-Unlikely	2	4	6	8	10
	1-Very Unlikely	1	2	3	4	5
	FAILURE	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe
CONSEQUENCE						

Business Case Evaluation

All projects were evaluated by preparing an initial business case for each project. This process reviews the best information currently available to identify project alternatives, the respective pros and cons for each alternative, and planning level cost comparisons. The risk assessment process previously discussed is incorporated in the Business Case Evaluation with additional information on the risk score.

Specifically, how the risk score was determined and whether the risk score was influenced more by the likelihood of failure or the consequence of failure.

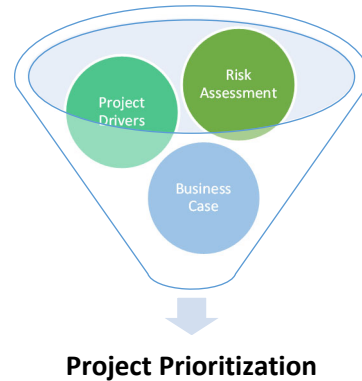
The accuracy of cost estimates in the CIP increases as projects become better defined. The American Association of Cost Engineers (AACE) has developed methods of classifying the accuracy range of a project estimate based on the maturity level of project definition. The classification system includes 5 classes: Class 5, Class 4, Class 3, Class 2, and Class 1. Each class corresponds to a different level of project definition and accuracy range. As applied to CFPUA's capital plan, the AACE classes are described in the following table. The current Estimation Class is shown on the individual FY-2026 project description sheets where cost estimating is performed. This does not apply to program funding without a defined scope.

CFPUA Adaptation of AACE Cost Estimate Classification System					
Estimate Class	Stage	Time to Construction Start	% of Project Definition	Expected Accuracy Range of Estimate	Type Estimate
Class 5	Concept Screening	Less than 5 years	0% to 2%	50% high to 100% below actual	Concept Definition
Class 4	Study or feasibility	1 to 2 years	1% to 15%	30% high to 50% below actual	Pre-Design
Class 3	30% to 65% Design	1 year	10% to 40%	20% high to 30% below actual	Early Design
Class 2	65% to 100% Design	Months	30% to 90%	15% high to 20% below actual	Detailed Design
Class 1	Check Estimate against Bids	Pending	75% to 100%	10% high to 15% below actual	Bid and Change Orders

Project Prioritization

The final step in the CIP development process is taking the information from the previous steps and prioritizing the proposed projects. Prioritization focusses on the following elements:

- Risk reduction following the implementation of the project,
- Project drivers and benefits, particularly those projects needed for continued regulatory compliance
- Business case evaluation



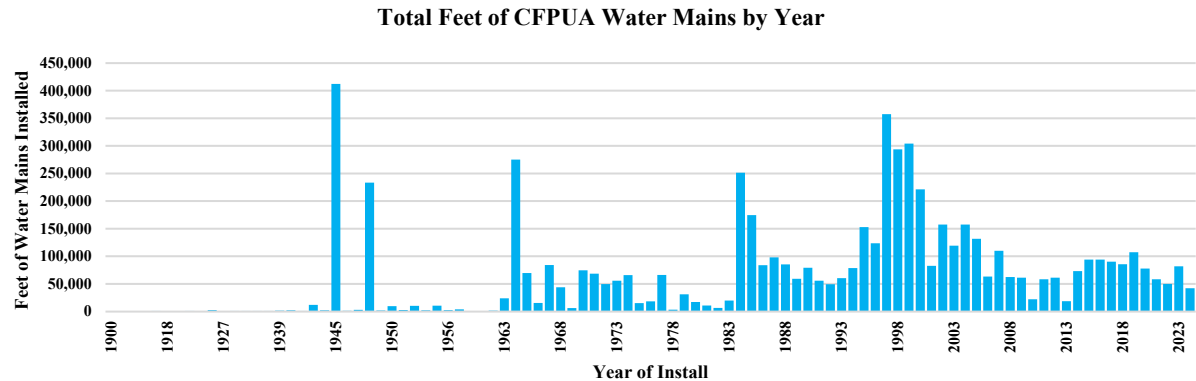
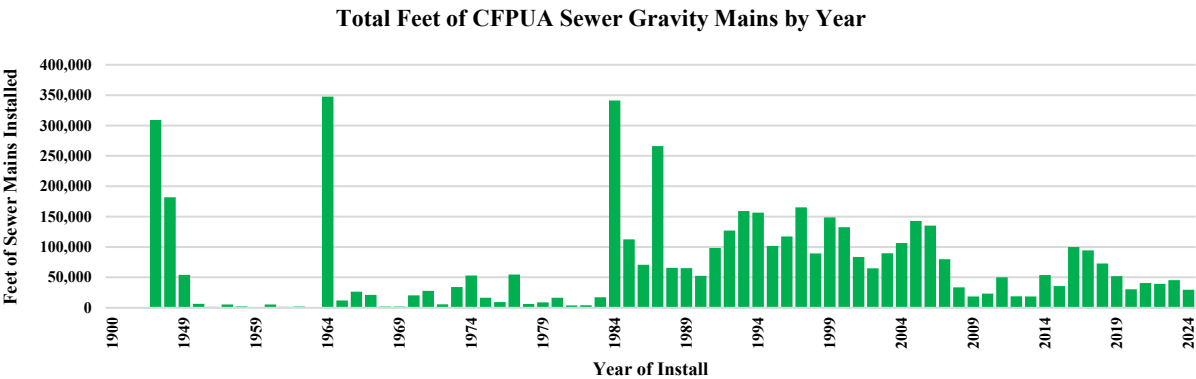
Aging Infrastructure

Addressing aging infrastructure through the rehabilitation/replacement of existing assets is a significant component of the CIP. Asset management focuses on prioritizing the timely rehabilitation/replacement of these aging assets, which in turn reduces risk and increases resiliency and reliability. There are currently 1,181 miles of water mains in the system with 171 miles over 70 years old. Similarly, there are 945 miles of gravity sewer mains with 112 miles over 70 years old. An assessment was done of the water and wastewater linear assets and pump stations to identify a reasonable rate of asset rehabilitation/replacement to properly manage aging infrastructure for the long term. The assessment can be summarized as follows:

Linear Asset Type	Total System	Assets Approaching End of Life*	Rehab/Replace Goal Per year of End of Life Assets	Actual Rehab/Replace Over 5 Years	Average Per Year Over 5 Years
Water Mains (miles)	1,181	171	3.0 to 5.5	0.55	0.11
Gravity Sewer (miles)	945	112	2.0 to 3.7	6.50	1.30
Force Mains (miles)	180	20	2.0 to 4.0	1.74	0.35
Pump Stations	164	21	2	11	2.2

* Water and sewer mains over 70 years old. Force mains and pump stations over 40 years old.

Integral to understanding the required rehabilitation and replacement rates is the age of the water and sewer assets and their condition. The two graphs below show the installation date of gravity sewer and water mains, or in other words, the age profile of these assets. The oldest assets are naturally in the downtown Wilmington area, which is also the area where most of the maintenance work orders are concentrated.



Sustainability and Climate Change

Sustainability and climate change are integrated into specific projects in the Capital Improvement Plan, where appropriate. For example, the FY-2026 CIP can include the purchase of additional electric vehicles as part of the routine fleet replacement, incorporating future flood levels for pump station projects, and the continued installation of LED lighting. Additional sustainability initiatives are being evaluated in the ongoing Wastewater Master Plan project. While not listed specifically in the 10-year CIP, future sustainability projects can also be budgeted on a case-by-case basis, mid-year based upon review and approval by the Board.

Fiscal Year 2026 Capital Improvement Plan

Overview

The total investment in the FY-2026 Capital Improvement Plan (CIP) is \$210,712,000. The table below summarizes the investment in each of the major project categories. The largest investment of \$163 million is in the Wastewater Treatment category, of which the SSWWTP project represents \$161 million.

Project Category	FY-2026 Investment
Wastewater Treatment	\$163,000,000
Water Treatment and Water Quality	\$16,350,000
Water Storage and Distribution	\$15,262,000
Wastewater Collection and Conveyance	\$9,150,000
General Operation and Support Systems	\$6,750,000
Raw Water Supply and Transmission	\$200,000
Total	\$210,712,000

Projects by Type

Projects in the capital improvement plan can be categorized into three different types of projects: (1) rehabilitation and replacement, (2) expansion, or (3) enhancement.

- ***Rehabilitation and replacement projects*** are those projects that address aging infrastructure by proactively replacing or rehabilitating assets that are approaching the end of their useful life.
- ***Expansion projects*** are those projects that eliminate capacity bottlenecks in the existing water and sewer systems by increasing capacity or extending major water or sewer lines to increase the service area and facilitate the growth of the customer base.
- ***Enhancement projects*** are those projects that improve efficiency by reducing long term costs or increasing readiness.

The table below shows FY-2026 CIP categorized by project type. The largest portion (74.7%) of the FY-2026 CIP will be invested in rehabilitation/replacement. A total of \$210,712,000 is allocated to this category spread out over 31 projects.

Project Type	Percent	FY-2026 Investment	No. of Projects
Rehabilitation/Replacement	74.7%	\$157,462,000	21
Expansion	25.3%	\$53,250,000	10
Enhancement	0.0%	\$0	0
Total	100%	\$210,712,000	31

Projects by Area

Projects in the capital improvement plan can also be categorized by the area where the capital investment is made. The five major areas are: (1) water treatment, (2) water distribution, (3) wastewater collection, (4) wastewater treatment, and (5) other.

- ***Water Treatment projects*** include all assets from the water source through the water treatment process. This includes the Kings Bluff intake and pump station, raw water transmission mains, the Sweeney Water Treatment Plant, groundwater wells, and the Richardson Water Treatment Plant.
- ***Water Distribution projects*** include all assets needed to convey the treated water from the water treatment plants to the customer, including all water mains, fire hydrants, valving, water storage facilities, and metering.
- ***Wastewater Collection projects*** include all assets that convey the wastewater from the customer to the wastewater treatment plants. This includes gravity sewer, manholes, pump stations, and force mains.
- ***Wastewater Treatment projects*** include all assets related to the Northside and Southside Wastewater Treatment Plants.
- ***“Other”*** includes support systems and programs such as Sustainability, IT systems, Fleet, HVAC systems, SCADA, etc.

The table below shows FY-2026 CIP categorized by Project Area.

Project Area	Percent	FY-2026 Investment	No. of Projects
Wastewater Treatment	77.4%	\$163,000,000	2
Water Treatment	7.9%	\$16,550,000	5
Water Distribution	7.2%	\$15,262,000	11
Wastewater Collection	4.3%	\$9,150,000	5
Other	3.2%	\$6,750,000	8
Total	100%	\$210,712,000	31

Top Projects by Value

The table below shows the top projects by their investment value in the FY-2026 CIP. These top 10 projects total \$197,642,000 or about 93.7% of the total investment in the FY-2026 CIP.

Project Reference #	Project	FY-2026 Investment
151	Southside WWTP - Rehab/Replace and Capacity Upgrade	\$161,000,000
133	Sweeney Generators #1 and #2 Replacement	\$10,500,000
203	Richardson WTP Raw Water Bio-growth Elimination	\$5,000,000
4	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	\$5,000,000
155	South Castle Hayne Road Water Main	\$3,000,000
207	Bayshore Water Main	\$3,000,000
27	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	\$2,842,000
172	Force Main Assessment Rehab/Replace (AMP)	\$2,500,000
206	City of Wilmington Stormwater and Transportation ILA's	\$2,500,000
163	River Road Booster Pump Station and Interconnections	\$2,300,000
Total		\$197,642,000

Expansion and Growth Projects

The table on the following page shows the expansion and growth projects in the FY-2026 CIP.

Expansion and growth projects are those projects that eliminate capacity bottlenecks in the existing water and sewer systems by increasing water/wastewater capacity or extend major water or sewer lines to increase the service area and facilitate the growth of the customer base.

The total investment in expansion and growth projects in FY-2026 is \$53,250,000. This represents about 25.3% of the total FY-2026 CIP.

Project Reference #	Project	FY-2026 Investment
151	Southside WWTP - Rehab/Replace and Capacity Upgrade	\$40,250,000
155	South Castle Hayne Road Water Main	\$3,000,000
207	Bayshore Water Main	\$3,000,000
206	City of Wilmington Stormwater and Transportation ILA's	\$2,500,000
163	River Road Booster Pump Station and Interconnections	\$2,300,000
209	Crooked Pine Road Water Main	\$1,500,000
122	Richardson WTP 3 MGD Expansion	\$250,000
39	Distribution System - Standard Developer Agreements	\$150,000
38	Collection System - Standard Developer Agreements	\$150,000
147	New Water and Sewer Service Installation	\$150,000
Total		\$53,250,000

FY-2026 Project Categories

The following tables show the FY-2026 CIP broken down by each of the six major categories of (1) raw water supply and transmission, (2) water treatment and water quality, (3) water storage and distribution, (4) wastewater collection and conveyance, (5) wastewater treatment, and (6) general operation and support systems.

FY-2026 Raw Water Supply and Transmission Investment

Project Description	Type	FY 2026	Future Funding
Groundwater Well Rehabilitation (AMP)	Rehab/Replace	\$200,000	\$2,220,000
Total		\$200,000	\$2,220,000

FY-2026 Water Treatment and Water Quality

Project Description	Type	FY 2026	Future Funding
Richardson WTP 3 MGD Expansion	Expansion	\$250,000	\$50,500,000
Sweeney WTP Filters 1-4 Rehabilitation Plus Media Exchange	Rehab/Replace	\$600,000	\$0
Sweeney Generators #1 and #2 Replacement	Rehab/Replace	\$10,500,000	\$0
Richardson WTP Raw Water Bio-growth Elimination	Rehab/Replace	\$5,000,000	\$0
Total		\$16,350,000	\$50,500,000

FY-2026 Water Storage and Distribution Investment

Project Description	Type	FY 2026	Future Funding
Elevated Tank Rehabilitation and Coatings	Rehab/Replace	\$120,000	\$6,448,000
Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	Rehab/Replace	\$2,842,000	\$82,908,000
Water Emergency Repair	Rehab/Replace	\$250,000	\$2,775,000
Large Water Meter Vault Replacement (AMP)	Rehab/Replace	\$300,000	\$3,330,000
Large Meter Testing and Replacement (AMP)	Rehab/Replace	\$300,000	\$2,700,000
Valve Exercise and Replacement (AMP)	Rehab/Replace	\$1,500,000	\$6,000,000
Distribution System - Standard Developer Agreements	Expansion	\$150,000	\$1,665,000
South Castle Hayne Road Water Main	Expansion	\$3,000,000	\$0
River Road Booster Pump Station and Interconnections	Expansion	\$2,300,000	\$0
Bayshore Water Main	Expansion	\$3,000,000	\$0
Crooked Pine Road Water Main	Expansion	\$1,500,000	\$0
Total		\$15,262,000	\$105,826,000

FY-2026 Wastewater Collection and Conveyance Investment

Project Description	Type	FY 2026	Future Funding
Sewer Emergency Repair	Rehab/Replace	\$500,000	\$5,550,000
Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	Rehab/Replace	\$5,000,000	\$55,500,000
Force Main Assessment Rehab/Replace (AMP)	Rehab/Replace	\$2,500,000	\$53,000,000
Pump Stations Prioritization and Rehabilitation	Rehab/Replace	\$1,000,000	\$11,100,000
Collection System - Standard Developer Agreements	Expansion	\$150,000	\$1,665,000
Total		\$9,150,000	\$126,815,000

FY-2026 Wastewater Treatment

Project Description	Type	FY 2026	Future Funding
Southside WWTP - Rehab/Replace and Capacity Upgrade	Expansion	\$161,000,000	\$0
Northside WWTP Blowers	Rehab/Replace	\$2,000,000	\$0
Total		\$161,000,000	\$0

FY-2026 General Operation and Support Systems Investment

Project Description	Type	FY 2026	Future Funding
Information Technology Networking Infrastructure Replacement	Rehab/Replace	\$150,000	\$1,710,000
Motor Fleet Capital	Rehab/Replace	\$1,300,000	\$11,700,000
OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)	Rehab/Replace	\$1,000,000	\$11,400,000
Generator Rehab and Replacement Program (AMP)	Rehab/Replace	\$500,000	\$5,550,000
IT SCADA & Security	Rehab/Replace	\$750,000	\$8,325,000
Facilities Structural, Architectural, and Roof Rehab/Replace (AMP)	Rehab/Replace	\$400,000	\$5,450,000
New Water and Sewer Service Installation	Expansion	\$150,000	\$1,350,000
City of Wilmington Stormwater and Transportation ILA's	Expansion	\$2,500,000	\$0
Total		\$4,250,000	\$45,485,000

10-Year Capital Improvement Plan

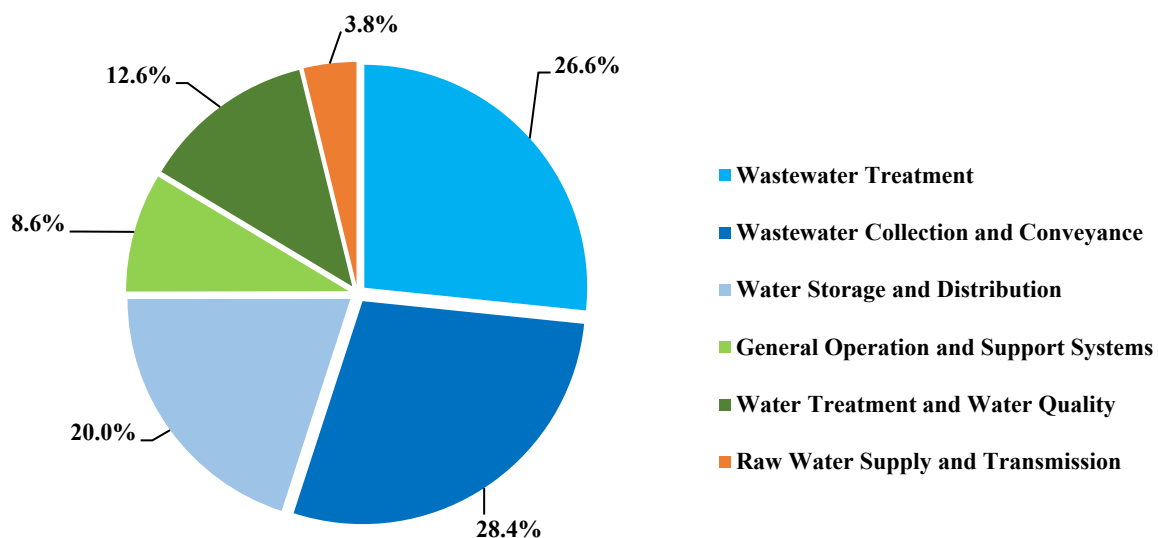
Overview

The total investment in the 10-year CIP from FY-2026 through FY-2035 is \$612,128,000. The table below summarizes the investment in each of the major project categories. The largest investment of \$173.6 million is in wastewater collection and conveyance.

Project Category	Ten Year Investment
Wastewater Collection and Conveyance	\$173,665,000
Wastewater Treatment	\$163,000,000
Water Storage and Distribution	\$122,338,000
General Operation and Support Systems	\$52,835,000
Raw Water Supply and Transmission	\$23,440,000
Water Treatment and Water Quality	\$76,850,000
Total	\$612,128,000

The 10-year CIP continues to invest in wastewater treatment (\$163 million), wastewater collection and conveyance (\$173.7 million) and in the water storage and distribution (\$97.3 million). These investments are primarily driven by asset management and the replacement/rehabilitation of aging infrastructure.

10-Year Project Distribution by Category



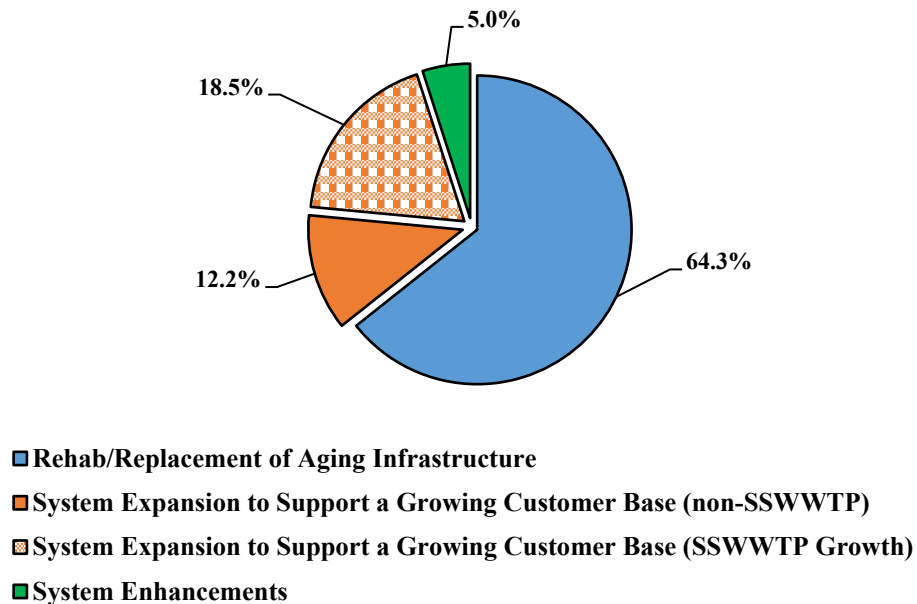
Projects by Type

Projects in the capital improvement plan can be categorized into three different types of projects: (1) rehabilitation and replacement, (2) expansion, or (3) enhancement.

- ***Rehabilitation and replacement projects*** are those projects that address aging infrastructure by proactively replacing or rehabilitating assets that are approaching the end of their useful life.
- ***Expansion projects*** are those projects that eliminate capacity bottlenecks in the existing water and sewer systems by increasing water/wastewater capacity or extend major water or sewer lines to increase the service area and facilitate the growth of the customer base.
- ***Enhancement projects*** are those projects that improve efficiency by reducing long term costs or increasing readiness.

The chart below shows 10-Year CIP categorized by project type. The largest portion (64.3%) of the 10-Year CIP will be invested into the rehabilitation or replacement of aging infrastructure. The next largest portion (18.5%) will be invested in system expansion to support a growing customer base. The Southside WWTP Replacement/Capacity Upgrade project, valued at \$161 million, covers both the replacement of aging infrastructure category and the system expansion category. However, only about 25% of the \$161 million is related to expansion. The vast majority of the Southside WWTP project cost is to replace the existing treatment plant due to its age.

10-Year Project Distribution by Type

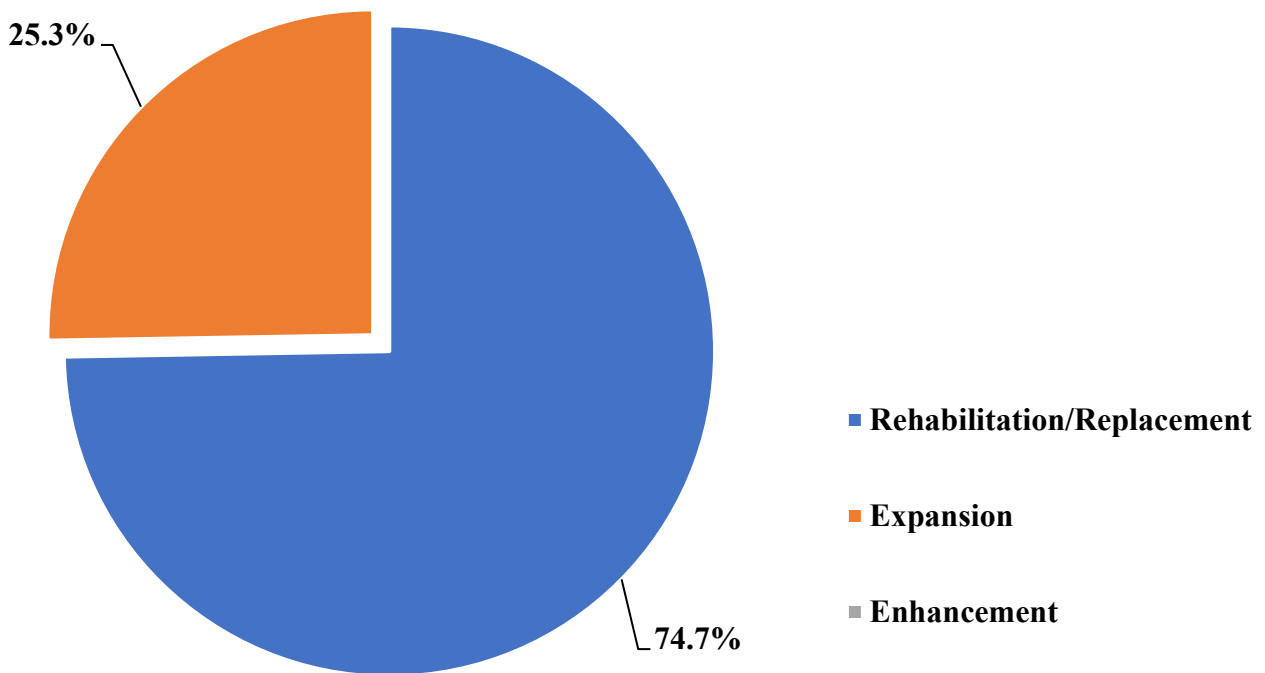


Appendix A
Fiscal Year
2026 Capital
Budget

FY-2026 Project Distribution By Project Type

Project Type	Percent	FY-2026 Investment	No. of Projects
Rehabilitation/Replacement	74.7%	\$157,462,000	21
Expansion	25.3%	\$53,250,000	10
Enhancement	0.0%	\$0	0
Total	100%	\$210,712,000	31

FY-2026 Distribution by Type

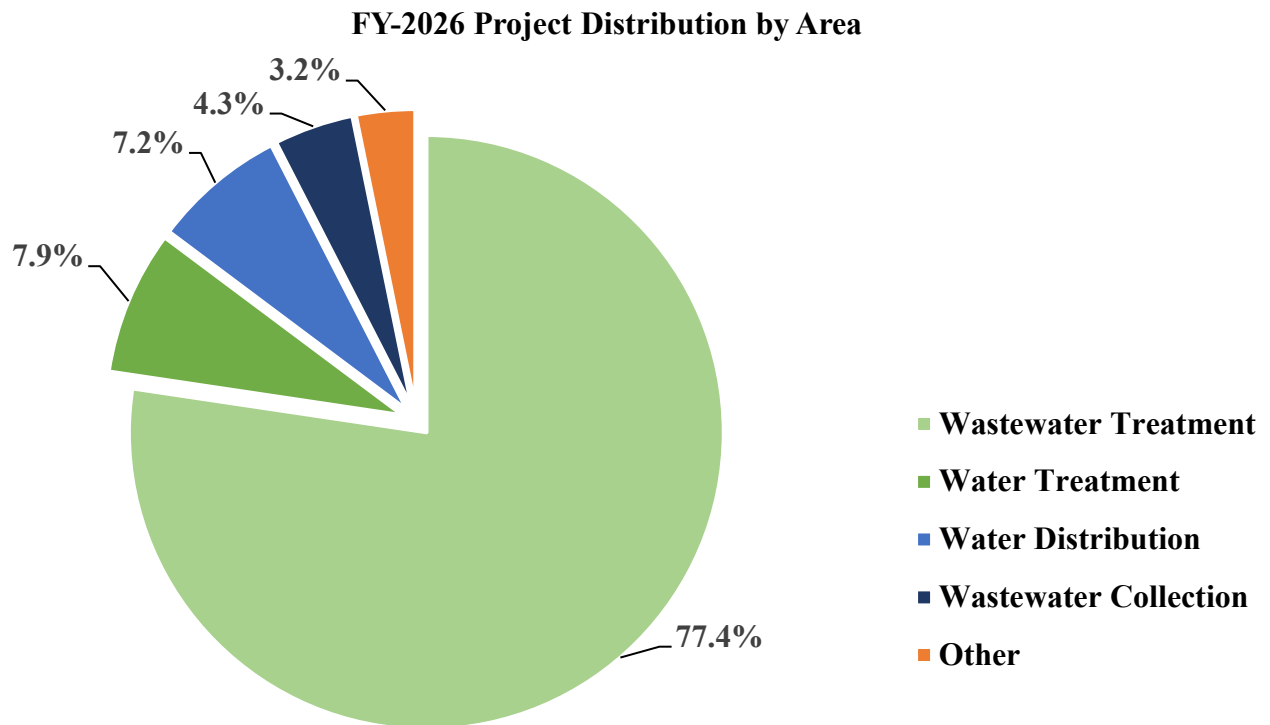


Categories:

- 1) Projects that "Rehab or Replace Assets" are the majority of the capital budget in FY-2026. These projects generally increase the life of an existing asset or replace an existing asset which is at or beyond its expected life cycle.
- 2) "Enhancement" projects tend to improve efficiency by reducing long term costs or increase readiness.
- 3) "Expansion" projects add customers as growth.

FY-2026 Project Distribution By Project Area

Project Area	Percent	FY-2026 Investment	No. of Projects
Wastewater Treatment	77.4%	\$163,000,000	2
Water Treatment	7.9%	\$16,550,000	5
Water Distribution	7.2%	\$15,262,000	11
Wastewater Collection	4.3%	\$9,150,000	5
Other	3.2%	\$6,750,000	8
Total	100%	\$210,712,000	31



FY-2026 Project budgets Greater than \$1 Million

Following are brief descriptions of capital improvement projects with FY-2026 budgets of \$1,000,000 and above.
Project reference numbers correspond with the specific project sheets found elsewhere in this document.

Project Ref #	Water Projects	FY-2026 Project Budget	Description
27	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	\$2,842,000	Areas of our distribution system are beyond their designed life cycle. Utilizing asset management principles, including risk mitigation, and remaining useful life, assets are prioritized to be rehabbed or replaced. The focus during FY-2026 remains on replacing or rehabilitating water distribution mains and valves that are over 70 years old in downtown Wilmington and the surrounding vicinity. Water services are composed of galvanized pipe and lead goosenecks are being inventoried and replaced in these projects. CFPUA has approximately 1,181 miles of water distribution mains. Approximately 171 miles of water mains in the City are over 70 years old. The Lead Gooseneck and Galvanized Water Service Replacement project is funded from this project.
133	Sweeney Generators #1 and #2 Replacement	\$10,500,000	Sweeney WTP Emergency Generators #1 and #2 were installed in 1996. They are reaching the end of asset life and are not adequately sized with the addition of the new GAC Contactor Facility. These units will need to be replaced with sufficient sized emergency generators to fulfill the load of full plant capacity (44MGD). Project will also include replacement of Unit Sub Station's USUB-1 and USUB-2, dry-type electrical distribution transformers that are also at end-of-life.
155	South Castle Hayne Road Water Main	\$3,000,000	South Castle Hayne Water Main installs approximately 10,000 feet of new 20-inch water from the vicinity of Sweeney Water Treatment Plant up Castle Hayne Road to the vicinity of the Kerr Avenue intersection. This pipe was identified in the Sidbury and Greenview Preliminary Engineering Report as being necessary to provide water capacity to planned development in the northern portion of New Hanover County. This additional funding is based on AACE Class 2 estimate.
163	River Road Booster Pump Station and Interconnections	\$2,300,000	River Road Booster Pump Station and Interconnections project will enable the existing Monterey Heights Groundwater System to be supplied by Sweeney Water Treatment Plant. This will enable all groundwater wells in New Hanover County to become emergency wells, reducing reliance on aquifers and reducing operating costs to operate and maintain the wells. The project will strengthen interconnectivity at key areas of the Authority's water system, including a booster pump and 16-inch water main extension from Riverlights to Veteran's Park. This additional funding is based on AACE Class 2 estimate.
189	Valve Exercise and Replacement (AMP)	\$1,500,000	CFPUA has approximately 18,000 valves in its water distribution system, many over 70 years old. Best industry practice is to exercise each valve in the system by closing and opening it periodically to ensure its proper operation. To achieve this recommendation from the Asset Management Plan, CFPUA plans to hire a contractor for initial exercise of the valves and to replace any valves that break during the process. This method was successfully used in Raleigh and the program will take lessons learned from that utility.
203	Richardson WTP Raw Water Bio-growth Elimination	\$5,000,000	This project will fund the construction portion of a design-build contract to eliminate bio growth in the PeeDee raw water system from wells through pre-filtration vessels.
207	Bayshore Water Main	\$3,000,000	This project increases the Sweeney supplied portion of the 010 distribution system and decreases demands on RWTP. This can reduce pumping from the PeeDee aquifer and helps reduce the tendency of bio growth by reducing entrained oxygen in raw water. The project also provides better supply to the Porters Neck elevated tank to enable growth and enables future expansion of water mains to Bayshore funded by others.

209	Crooked Pine Road Water Main	\$1,500,000	This is an unfunded growth project to extend a 12-inch water main from existing CFPUA water mains at the end of Murrayville Road. The project is included in the CIP to increase awareness that there is not a plan for public investment in water mains throughout Greenview Ranches. Expansion of water in this area is dependent upon the timing and investment of development. A sewer force main funded by New Hanover County is being constructed along Plantation Road and a "dry" horizontal directional drill is being constructed under Military Cutoff Extended, but that is the current extent of public investment in water and sewer infrastructure in Greenview Ranches. This project is proposed as "Funded by Others" and has no impact on rate calculation. It may be possible to execute this project as a cost recovery project that is funded by benefitting development.
Project Ref #	Wastewater Projects	FY-2026 Project Budget	Description
4	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	\$5,000,000	Areas of our collection system are beyond their designed life cycle. Utilizing asset management principles, including risk mitigation, and remaining useful life, assets are prioritized to be rehabbed or replaced. The focus during FY-2026 remains on rehabilitating or replacing gravity sewer mains that are over 70 years old in downtown Wilmington and the surrounding vicinity. CFPUA has approximately 945 miles of gravity sewer. Approximately 112 miles of gravity sewer mains in the City are over 70 years old.
126	Pump Stations Prioritization and Rehabilitation	\$1,000,000	CFPUA has 21 sewer pump stations that are known to be past 40 years old and in need of rehabilitation or replacement. Through asset management, staff annually evaluates these pump stations for condition and consequence. Pump Stations currently in design will have first access to these funds, a new prioritization will begin this summer for future designs. A matching grant opportunity is being pursued for anti-flooding sustainability improvements at PS- 39 and PS-97. If successful, this project will provide CFPUA 25% project match.
151	Southside WWTP - Rehab/Replace and Capacity Upgrade	\$161,000,000	Southside WWTP was originally constructed in 1972, upgraded in 1985 and has had repeated investments to incrementally extend its life over the last 10 years. The project will include construction of a new wastewater treatment plant and increasing capacity to handle the growth in New Hanover County. The additional funding is requested based on an AACE Class 3 estimate from 30% design drawings.
172	Force Main Assessment Rehab/Replace (AMP)	\$2,500,000	CFPUA uses risk assessments and a deficiency identification and rehabilitation program to prioritize and rehabilitate force mains throughout its service area. This year's focus will be on assessing the PS-34 to SSWWTP NEI to support the recommended decision to defer the rehabilitation past FY-2030.
208	Northside WWTP Blowers	\$2,000,000	Northside WWTP has four multistage blowers to provide oxygen (DO) to the Aeration Basin to meet nitrification requirements. The blowers have been in service since 2008 and due to increased influent flow the current blowers are at the max design limit during warmer months. This may impact plant's ability to meet compliance limits for ammonia removal. The project will replace all 4 blowers with capacities to meet future growth and will replace them with High-Speed Turbo blowers that are sustainable and energy efficient.
Project Ref #	System Wide Projects	FY-2026 Project Budget	Description
34	Motor Fleet Capital	\$1,300,000	CFPUA developed a long-term model for motor fleet replacements based on predetermined criteria. Each of these vehicles will be evaluated based on maintenance records and history. Replacement of those that can be extended in life cost effectively will be deferred. Fleet capital costs are an ongoing major capital expense. By setting aside regular appropriations of capital each year, the Authority is better financially prepared to prevent unplanned funding demands due to motor fleet expenses, without adequate resources. Motor Fleet investments support the Authority's sustainability goals by increasing the population of electric vehicles in the fleet, where operational requirements can be met by these vehicles.

40	OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)	\$1,000,000	This project funds replacement of large equipment such as HVAC, pumps and other equipment replacements large enough to be a capital project for any facility arising due to unplanned but non-emergency system failures that occur during the year.
206	City of Wilmington Stormwater and Transportation ILA's	\$2,500,000	The City of Wilmington has multiple stormwater and transportation projects which require CFPUA cost participation per Interlocal Agreement (ILA). These projects identified water and sewer conflicts that require relocation for regulatory compliance. A Memorandum of Understanding (MOU) will be developed for each project to identify CFPUA cost share responsibilities. These projects are: Front Street Bridge Rehabilitation, 4th Street Bridge Rehabilitation, Pine Grove Bridge Replacement, 17th Street Multi-Use Path, Water Street Park Improvements, Brookshire/Beasley Drainage, Wisteria/Clearbrook Drainage, Pirates Cove Drainage, and Red Berry Drive Drainage.

PROJECT DRIVERS AND BENEFITS SCORING METHOD							
BENEFITS AND DRIVERS CATEGORY	DEFINITIONS	1	2	3	4	5	BENEFIT AND DRIVER SCORES FOR PROJECT
COMPLIANCE	Current and future regulatory compliance, including safety and water quality.	1	2	3	4	5	POTENTIAL SCORE OF 1 TO 5
EFFICIENCY	Leading to future operating or capital savings, including customer service and financing options.	1	2	3	4	5	POTENTIAL SCORE OF 1 TO 5
CAPACITY/GROWTH	Additional capacity and/or customers served.	1	2	3	4	5	POTENTIAL SCORE OF 1 TO 5
SUSTAINABILITY	Energy savings, reduced carbon footprint, climate change adaptation.	1	2	3	4	5	POTENTIAL SCORE OF 1 TO 5
TOTAL PROJECT SCORE							TOTAL PROJECT SCORE FROM 5 TO 25



FY-2026 Capital Improvements Highest to Lowest Project Budget Sort

Reference Number	Running Cumulative FY-26 Total	Project Name	Project Type	Project Area	FY-26 Budget	Project Drivers and Benefits		
151	\$161,000,000	Southside WWTP - Rehab/Replace and Capacity Upgrade	Expansion	Wastewater Treatment	\$161,000,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	4	Energy savings, reduced carbon footprint, climate change adaptation.
133	\$171,500,000	Sweeney Generators #1 and #2 Replacement	Rehab/Replace	Water Treatment	\$10,500,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	3	Additional capacity and/or customers served.
						Sustainability:	4	Energy savings, reduced carbon footprint, climate change adaptation.
203	\$176,500,000	Richardson WTP Raw Water Bio-growth Elimination	Rehab/Replace	Water Treatment	\$5,000,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	4	Additional capacity and/or customers served.
						Sustainability:	4	Energy savings, reduced carbon footprint, climate change adaptation.
163	\$178,800,000	River Road Booster Pump Station and Interconnections	Expansion	Other	\$2,300,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.
207	\$181,800,000	Bayshore Water Main	Rehab/Replace	Water Distribution	\$3,000,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	3	Energy savings, reduced carbon footprint, climate change adaptation.
208	\$183,800,000	Northside WWTP Blowers	Rehab/Replace	Water Treatment	\$2,000,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	3	Additional capacity and/or customers served.
						Sustainability:	4	Energy savings, reduced carbon footprint, climate change adaptation.
206	\$186,300,000	City of Wilmington Stormwater and Transportation ILA's	Expansion	Water Distribution	\$2,500,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	3	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	3	Additional capacity and/or customers served.
						Sustainability:	3	Energy savings, reduced carbon footprint, climate change adaptation.
155	\$189,300,000	South Castle Hayne Road Water Main	Rehab/Replace	Water Treatment	\$3,000,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
4	\$194,300,000	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	Rehab/Replace	Water Distribution	\$5,000,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.
172	\$196,800,000	Force Main Assessment Rehab/Replace (AMP)	Expansion	Other	\$2,500,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.
189	\$198,300,000	Valve Exercise and Replacement (AMP)	Rehab/Replace	Wastewater Treatment	\$1,500,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.
126	\$199,300,000	Pump Stations Prioritization and Rehabilitation	Rehab/Replace	Wastewater Collection	\$1,000,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	3	Energy savings, reduced carbon footprint, climate change adaptation.
40	\$200,300,000	OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)	Rehab/Replace	Other	\$1,000,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.
114	\$201,050,000	IT SCADA & Security	Rehab/Replace	Water Distribution	\$750,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
132	\$201,650,000	Sweeney WTP Filters 1-4 Rehabilitation Plus Media Exchange	Rehab/Replace	Other	\$600,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.

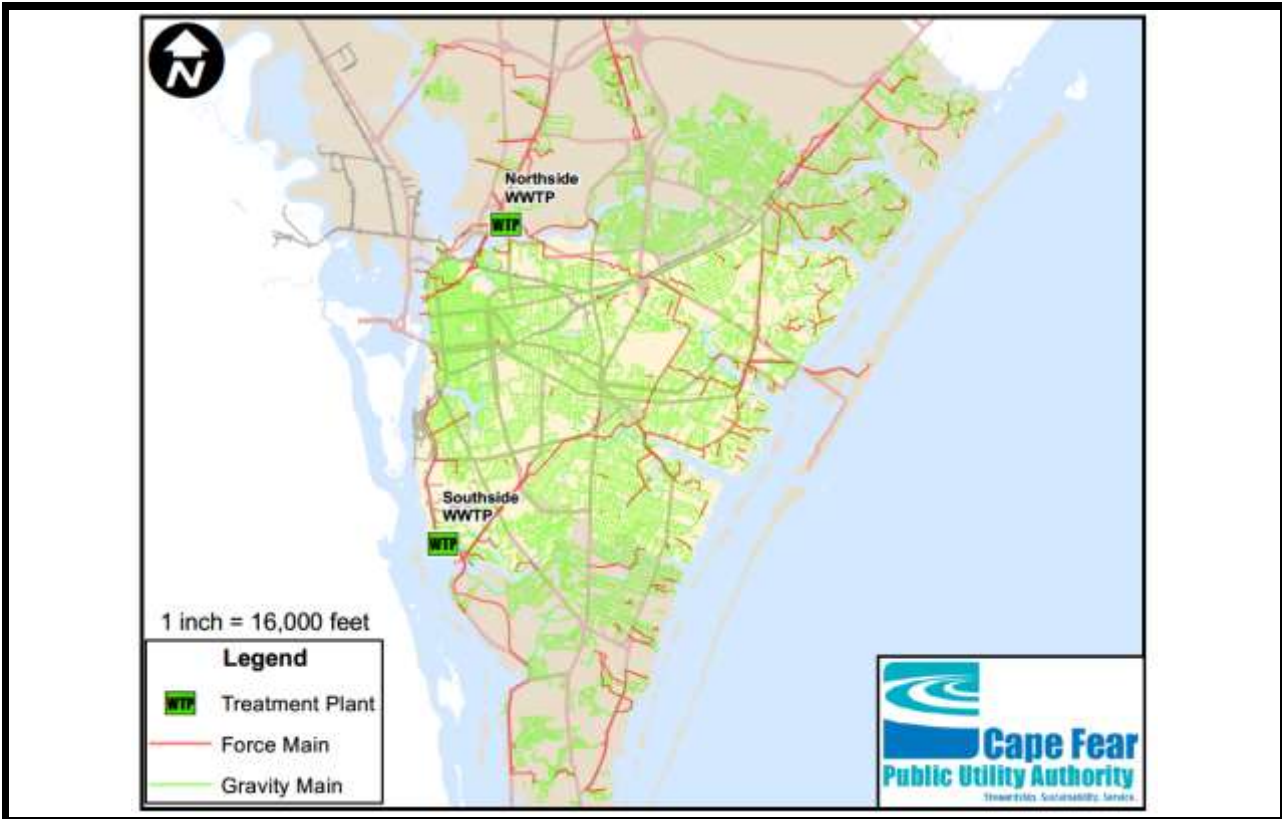
Reference Number	Running Cumulative FY-26 Total	Project Name	Project Type	Project Area	FY-26 Budget	Project Drivers and Benefits		
27	\$204,492,000	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	Rehab/Replace	Other	\$2,842,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
57	\$204,742,000	Water Emergency Repair	Expansion	Water Distribution	\$250,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
134	\$205,042,000	Large Water Meter Vault Replacement (AMP)	Expansion	Water Distribution	\$300,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
39	\$205,192,000	Distribution System - Standard Developer Agreements	Rehab/Replace	Wastewater Collection	\$150,000	Compliance:	1	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
1	\$205,692,000	Sewer Emergency Repair	Rehab/Replace	Other	\$500,000	Compliance:	5	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
38	\$205,842,000	Collection System - Standard Developer Agreements	Rehab/Replace	Water Distribution	\$150,000	Compliance:	1	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
110	\$206,342,000	Generator Rehab and Replacement Program (AMP)	Expansion	Wastewater Collection	\$500,000	Compliance:	4	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.
138	\$206,542,000	Groundwater Well Rehabilitation (AMP)	Rehab/Replace	Other	\$200,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	2	Energy savings, reduced carbon footprint, climate change adaptation.
150	\$206,842,000	Large Meter Testing and Replacement (AMP)	Expansion	Water Treatment	\$300,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
30	\$206,992,000	Information Technology Networking Infrastructure Replacement	Expansion	Water Distribution	\$150,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
34	\$208,292,000	Motor Fleet Capital	Expansion	Water Distribution	\$1,300,000	Compliance:	2	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	3	Energy savings, reduced carbon footprint, climate change adaptation.
53	\$208,412,000	Elevated Tank Rehabilitation and Coatings	Rehab/Replace	Wastewater Collection	\$120,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
136	\$208,812,000	Facilities Structural, Architectural, and Roof Rehab/Replace (AMP)	Rehab/Replace	Water Distribution	\$400,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	1	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
122	\$209,062,000	Richardson WTP 3 MGD Expansion	Rehab/Replace	Wastewater Collection	\$250,000	Compliance:	2	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	1	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	4	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
209	\$210,562,000	Crooked Pine Road Water Main	Rehab/Replace	Water Distribution	\$1,500,000	Compliance:	1	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	1	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.

Reference Number	Running Cumulative FY-26 Total	Project Name	Project Type	Project Area	FY-26 Budget	Project Drivers and Benefits		
147	\$210,712,000	New Water and Sewer Service Installation	Rehab/Replace	Other	\$150,000	Compliance:	1	Current and future regulatory compliance, including safety and water quality.
						Efficiency:	1	Leading to future operating or capital savings, including customer service and financing options.
						Capacity/Growth:	5	Additional capacity and/or customers served.
						Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
		OVERALL TOTAL			\$210,712,000			

*These growth projects may have substantial capital cost recovery from new customers or other stakeholders. The entire project amount is programmed to allow construction prior to cost recovery.



REFERENCE NUMBER	Sewer Emergency Repair		17S393
1			
Project Type:	Rehab or Replace Assets		
Project Area:	Wastewater Collection		
Summary: This project funds emergency repair of sewer infrastructure if there is a failure prior to programmed replacement or rehabilitation. Spending on sewer emergency repair in the last 5-years was as follows: FY-24 - \$315,397; FY-23 - \$338,370; FY -22 - \$376,000; FY-21 - \$411,713; FY-20 - \$244,000.			
<u>Project Drivers and Benefits:</u> • Compliance 5: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$23,550,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$17,500,000	\$500,000	\$5,550,000	



3-Very Likely	5	100	500	200	25
4-Likely	9	9	12	36	54
3-Possible	3	9	9	12	33
3-Unlikely	1	6	6	6	15
3-Only Slightly	1	2	2	4	5
Total-Risk	1-Negligible	3-Medium	3-Moderate	4-Significant	5-Severe

CONCLUSION

5 - Very Likely	5	25	125	20	25
4 - Likely	4	8	12	16	20
3 - Possible	3	3	6	12	15
2 - Unlikely	2	1	2	4	10
1 - Very Unlikely	1	1	1	2	5
Total risk	1 - Negligible	2 - Low	3 - Moderate	4 - Significant	5 - Severe

CONSEQUENCE

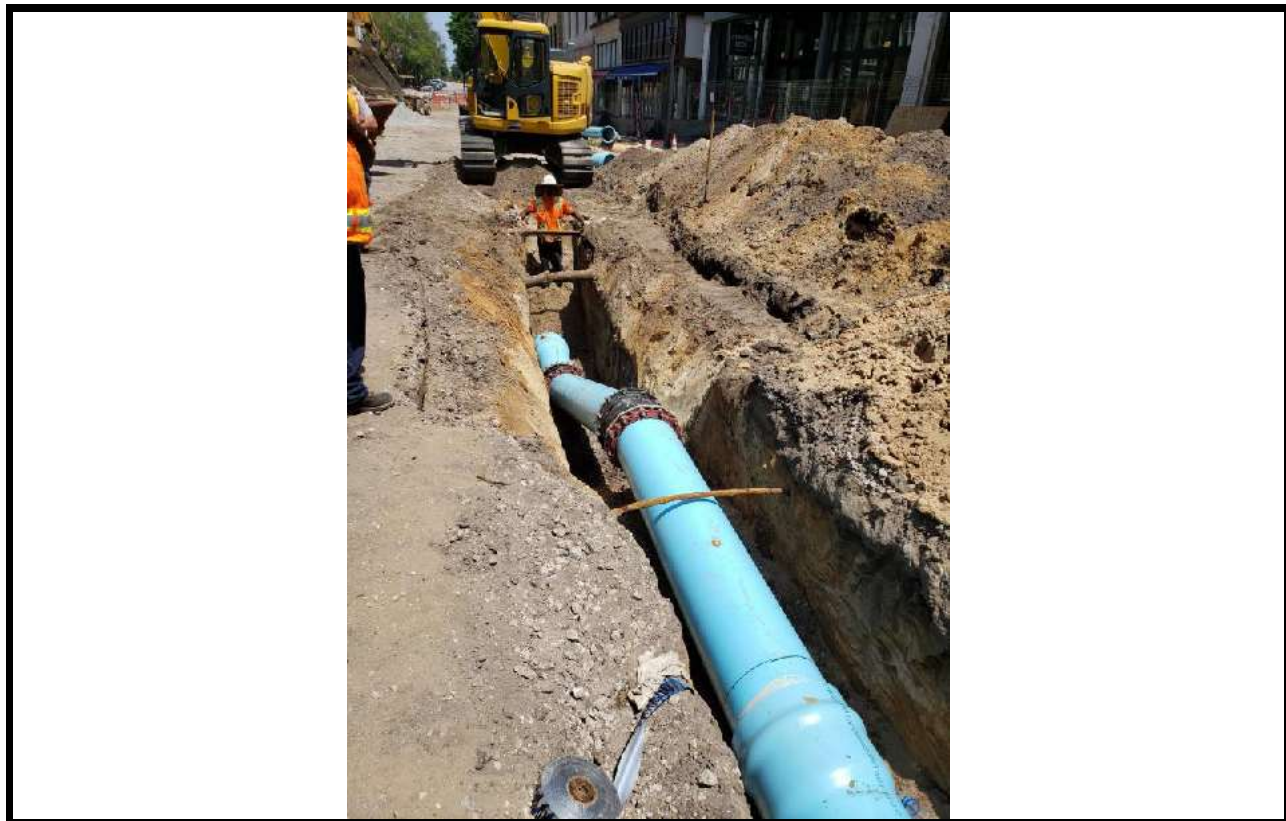
REFERENCE NUMBER	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	17S394
4		
Project Type:	Rehab or Replace Assets	
Project Area:	Wastewater Collection	
Summary: Areas of our collection system are beyond their designed life cycle. Utilizing asset management principles, including risk mitigation, and remaining useful life, assets are prioritized to be rehabbed or replaced. The focus during FY2026 remains on rehabilitating or replacing gravity sewer mains that are over 70 years old in downtown Wilmington and the surrounding vicinity. CFPWA has approximately 945 miles of gravity sewer. Approximately 112 miles of gravity sewer mains in the City are over 70 years old.		
<u>Project Drivers and Benefits:</u> • Compliance 5: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.		
Total Estimated Cost	\$74,700,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs
\$14,200,000	\$5,000,000	\$55,500,000



Risk Before						
RISK ASSESSMENT MATRIX						
Severity	1	2	3	4	5	6
Impact	1	2	3	4	5	6
Frequency	1	2	3	4	5	6
Consequence	1	2	3	4	5	6
Overall Risk	1	2	3	4	5	6
Consequence	1	2	3	4	5	6

Risk After						
RISK ASSESSMENT MATRIX						
Severity	1	2	3	4	5	6
Impact	1	2	3	4	5	6
Frequency	1	2	3	4	5	6
Consequence	1	2	3	4	5	6
Overall Risk	1	2	3	4	5	6
Consequence	1	2	3	4	5	6

REFERENCE NUMBER	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)		17W244
27			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Distribution		
Summary: Areas of our distribution system are beyond their designed life cycle. Utilizing asset management principles, including risk mitigation, and remaining useful life, assets are prioritized to be rehabbed or replaced. The focus during FY-2026 remains on replacing or rehabilitating water distribution mains and valves that are over 70 years old in downtown Wilmington and the surrounding vicinity. Water services are composed of galvanized pipe and lead goosenecks are being inventoried and replaced in these projects. CFPWA has approximately 1,181 miles of water distribution mains. Approximately 171 miles of water mains in the City are over 70 years old. The Lead Gooseneck and Galvanized Water Service Replacement project is funded from this project.			
<u>Project Drivers and Benefits:</u> - Compliance 5: Current and future regulatory compliance, including safety and water quality. - Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. - Capacity/Growth 1: Additional capacity and/or customers served. - Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$92,250,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$6,500,000	\$2,842,000	\$82,908,000	



Risk Before						
RISK ASSESSMENT MATRIX						
LIKELIHOOD	Severity	1	2	3	4	5
	1-Very Low	6	12	18	24	30
	2-Low	9	18	27	36	45
	3-Medium	12	24	36	48	60
	4-High	18	36	54	72	90
	5-Critical	24	48	72	96	120
CONSEQUENCE						
Impact	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	

Risk After						
RISK ASSESSMENT MATRIX						
LIKELIHOOD	Very Low	1	2	3	4	5
	Low	6	7	8	9	10
	Medium	11	12	13	14	15
	High	16	17	18	19	20
	Critical	21	22	23	24	25
	Unacceptable	26	27	28	29	30
CONSEQUENCE						
1	2	3	4	5	6	7
1	Very Low	1	2	3	4	5
2	Low	6	7	8	9	10
3	Medium	11	12	13	14	15
4	High	16	17	18	19	20
5	Critical	21	22	23	24	25

REFERENCE NUMBER	Information Technology Networking Infrastructure Replacement		16A007
30			
Project Type:	Rehab or Replace Assets		
Project Area:	Other		
Summary: In 2008 the Information Technology Division purchased various electronics (Firewalls, Switches, Routers) to connect the Administrative building and the other CFPWA facilities to one another. These devices provide intelligent routing and segmenting for various (Data, Voice, SCADA) applications, security from outside networks, Internet access, and virus protection for the Authority. This project replaces that equipment in a prioritized manner across multiple years. Some equipment will be replaced only after it fails or is obsolete to extract maximum value and service life.			
<u>Project Drivers and Benefits:</u> • Compliance 3: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$3,690,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$1,830,000	\$150,000	\$1,710,000	



Risk Before						
RISK ASSESSMENT MATRIX						
LIKELIHOOD	Severity	1	2	3	4	5
		1	2	3	4	5
		6	7	8	9	10
		11	12	13	14	15
		16	17	18	19	20
		21	22	23	24	25
CONSEQUENCE						
1-Negligible 2-Minor 3-Moderate 4-Significant 5-Severe						

Risk After						
RISK ASSESSMENT MATRIX						
Likelihood	Severity	1	2	3	4	5
		1	2	3	4	5
		6	7	8	9	10
		11	12	13	14	15
		16	17	18	19	20
		21	22	23	24	25
CONSEQUENCE						
1-Negligible 2-Minor 3-Moderate 4-Significant 5-Severe						

REFERENCE NUMBER	Motor Fleet Capital		17A013
34			
Project Type:	Rehab or Replace Assets		
Project Area:	Other		
Summary: CFPUA developed a long-term model for motor fleet replacements based on predetermined criteria. Each of these vehicles will be evaluated based on maintenance records and history. Replacement of those that can be extended in life cost effectively will be deferred. Fleet capital costs are an ongoing major capital expense. By setting aside regular appropriations of capital each year, the Authority is better financially prepared to prevent unplanned funding demands due to motor fleet expenses, without adequate resources. Motor Fleet investments support the Authority’s sustainability goals by increasing the population of electric vehicles in the fleet, where operational requirements can be met by these vehicles.			
<u>Project Drivers and Benefits:</u> • Compliance 2: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 3: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$18,978,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$5,978,000	\$1,300,000	\$11,700,000	



This Project Is Not
Risk Driven



REFERENCE NUMBER	Collection System - Standard Developer Agreements		17S399
38			
Project Type:	Expansion		
Project Area:	Wastewater Collection		
Summary: Annual funds allocated to standard developer agreements. Provides cost sharing opportunities with private developers, decreasing overall cost of infrastructure and provides opportunities to increase customer base.			
<u>Project Drivers and Benefits:</u> • Compliance 1: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 5: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$2,715,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$900,000	\$150,000	\$1,665,000	



This Project Is Not
Risk Driven



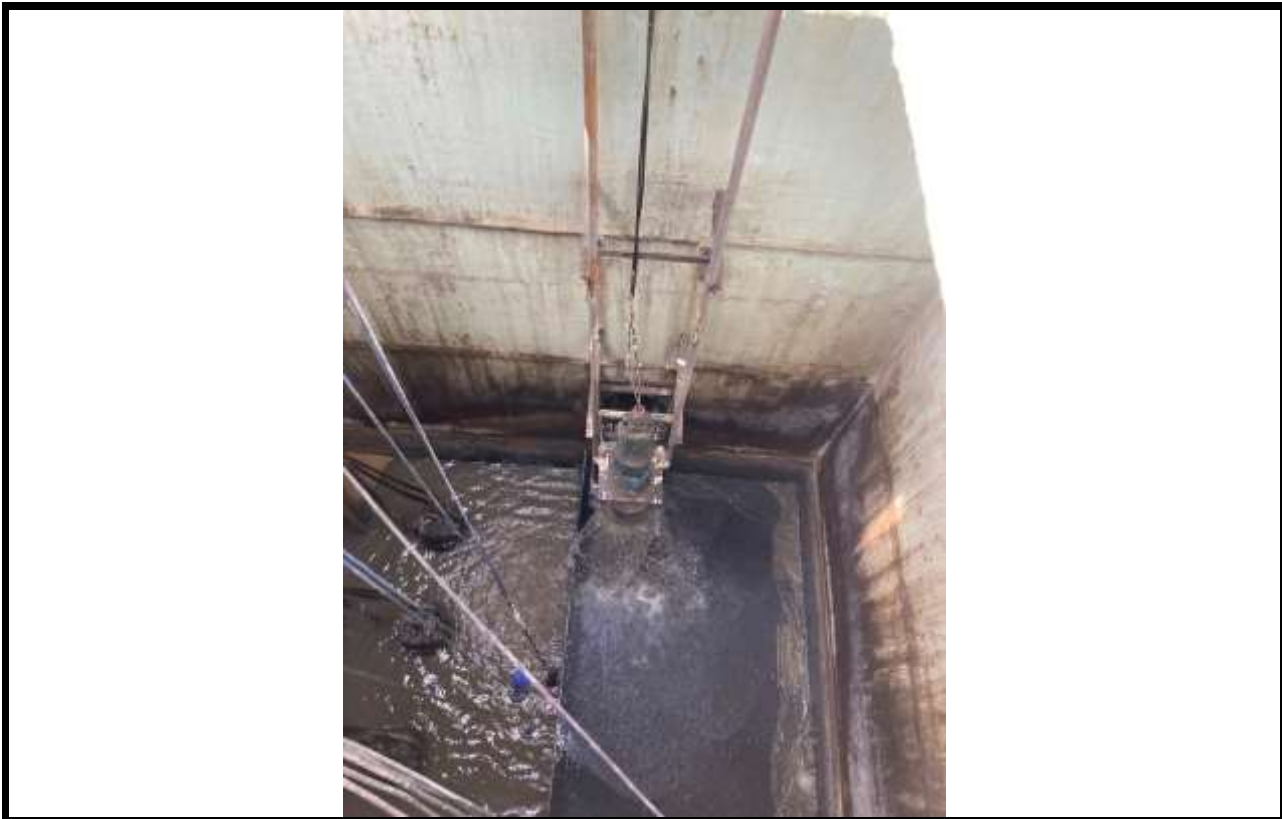
REFERENCE NUMBER	Distribution System - Standard Developer Agreements		17W248
39			
Project Type:	Expansion		
Project Area:	Water Distribution		
Summary: Annual funds allocated to standard developer agreements. Provides cost sharing opportunities with private developers, decreasing overall cost of infrastructure and provides opportunities to increase customer base.			
<u>Project Drivers and Benefits:</u>			
• Compliance 1:		Current and future regulatory compliance, including safety and water quality.	
• Efficiency 4:		Leading to future operating or capital savings, including customer service and financing options.	
• Capacity/Growth 5:		Additional capacity and/or customers served.	
• Sustainability 1:		Energy savings, reduced carbon footprint, climate change adaptation.	
Total Estimated Cost		\$2,715,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$900,000	\$150,000	\$1,665,000	



Risk Before						
RISK ASSESSMENT MATRIX						
5 - Very Likely	4	3	2	1	0	0
4 - Likely	9	6	3	0	0	0
3 - Possible	3	3	0	0	0	0
2 - Unlikely	1	0	0	0	0	0
1 - Very Unlikely	0	0	0	0	0	0
0 - Not Possible	0	0	0	0	0	0
CONSEQUENCE						

Risk After						
RISK ASSESSMENT MATRIX						
5 - Very Likely	0	0	0	0	0	0
4 - Likely	0	0	0	0	0	0
3 - Possible	0	0	0	0	0	0
2 - Unlikely	0	0	0	0	0	0
1 - Very Unlikely	0	0	0	0	0	0
0 - Not Possible	0	0	0	0	0	0
CONSEQUENCE						

REFERENCE NUMBER	OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)		17A012
40			
Project Type:	Rehab or Replace Assets		
Project Area:	Other		
Summary: This project funds replacement of large equipment such as HVAC, pumps and other equipment replacements large enough to be a capital project for any facility arising due to unplanned but non-emergency system failures that occur during the year.			
Project Drivers and Benefits: • Compliance 4: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost	\$17,900,000		
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$5,500,000	\$1,000,000	\$11,400,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likely	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Medium Likely	7	8	9	10	11	12
Low Likely	13	14	15	16	17	18
Very Low	19	20	21	22	23	24
Extremely Low	25	26	27	28	29	30
Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likely	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Medium Likely	7	8	9	10	11	12
Low Likely	13	14	15	16	17	18
Very Low	19	20	21	22	23	24
Extremely Low	25	26	27	28	29	30
Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

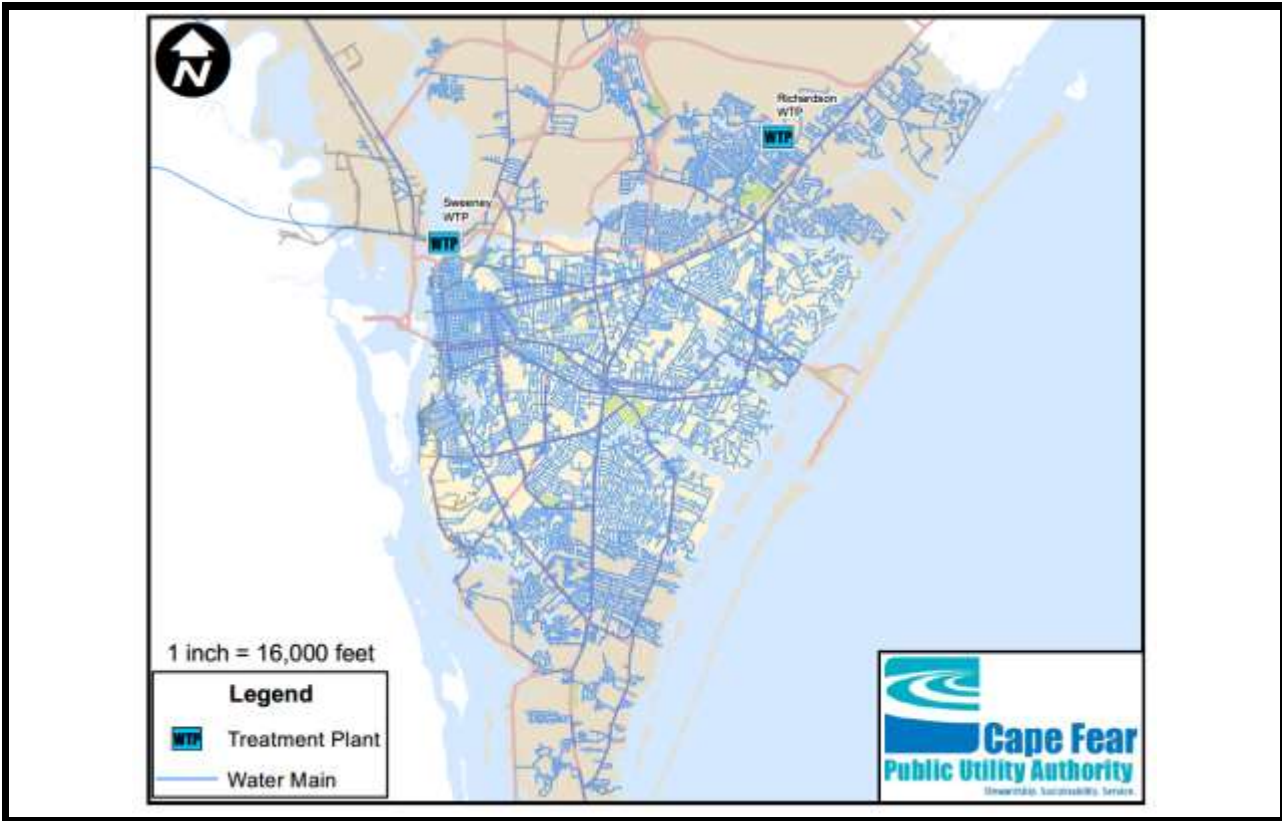
REFERENCE NUMBER	Elevated Tank Rehabilitation and Coatings		18W002
53			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Distribution		
Summary: Elevated tanks require renewal of engineered coatings periodically in order to extend the tank's useful life. Rehabilitation and replacement of tank appurtenances and structures is also required to extend life cycle. FY-26 provides funding for assessment and rehabilitation of existing storage tanks, most notably the 17th Street tank.			
<u>Project Drivers and Benefits:</u> • Compliance 3: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$9,908,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$3,340,000	\$120,000	\$6,448,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
High	10	20	30	40	50	60
Medium	10	20	30	40	50	60
Low	10	20	30	40	50	60
Very Low	10	20	30	40	50	60
Extremely Low	10	20	30	40	50	60
CONSEQUENCE						

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
High	10	20	30	40	50	60
Medium	10	20	30	40	50	60
Low	10	20	30	40	50	60
Very Low	10	20	30	40	50	60
Extremely Low	10	20	30	40	50	60
CONSEQUENCE						

REFERENCE NUMBER	Water Emergency Repair		16W223
57			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Distribution		
Summary: Funding to address emergency water repair. Spending on water emergency repair in the last 5 years was as follows: FY-24 - \$57,370; FY-23 - \$48,257; FY-22 - \$547,000; FY-21 - \$123,472; FY-20 - \$221,000.			
<u>Project Drivers and Benefits:</u> - Compliance 5: Current and future regulatory compliance, including safety and water quality. - Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. - Capacity/Growth 1: Additional capacity and/or customers served. - Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$4,525,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$1,500,000	\$250,000	\$2,775,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity	10	20	30	40	50	60
Impact	10	20	30	40	50	60
Frequency	10	20	30	40	50	60
Duration	10	20	30	40	50	60
Cost	10	20	30	40	50	60
Consequence	10	20	30	40	50	60
Overall Risk	10	20	30	40	50	60

Risk After						
RISK ASSESSMENT MATRIX						
Severity	10	20	30	40	50	60
Impact	10	20	30	40	50	60
Frequency	10	20	30	40	50	60
Duration	10	20	30	40	50	60
Cost	10	20	30	40	50	60
Consequence	10	20	30	40	50	60
Overall Risk	10	20	30	40	50	60

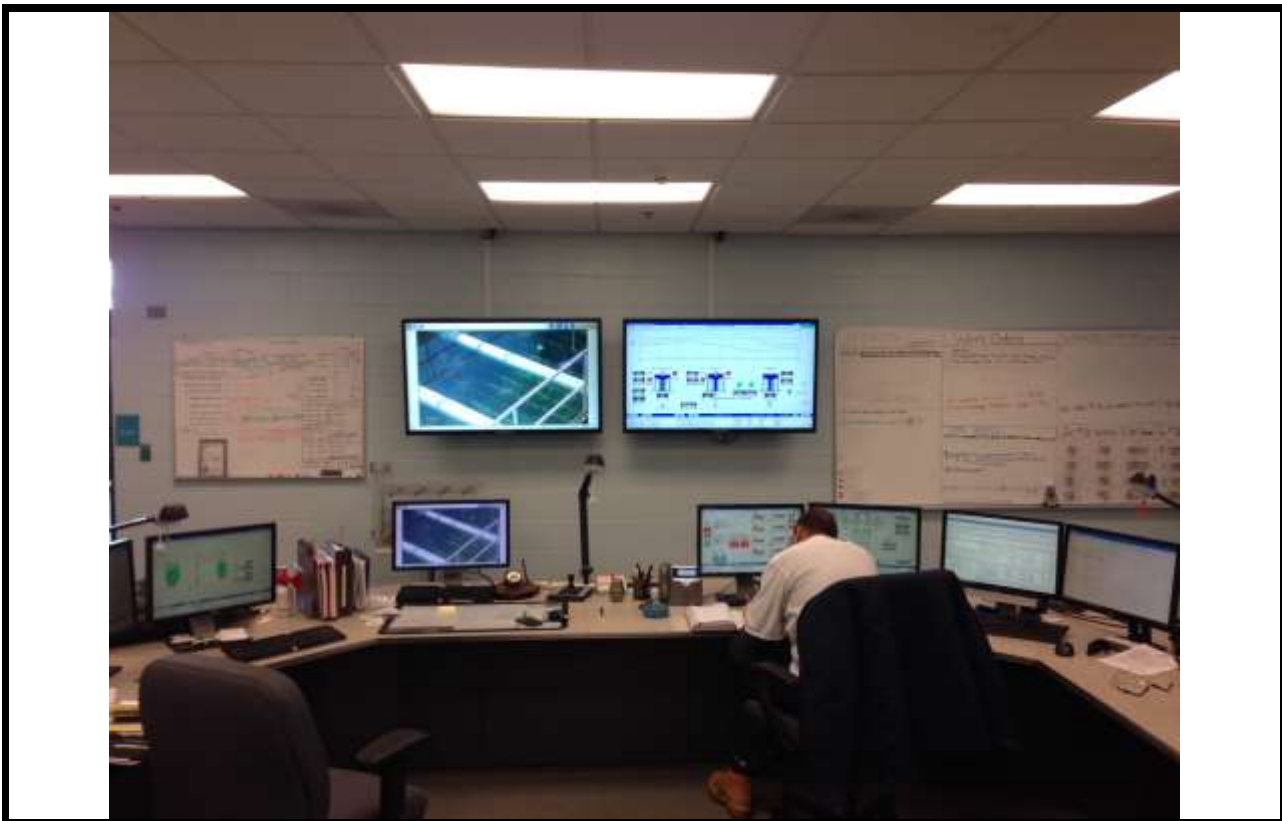
REFERENCE NUMBER	Generator Rehab and Replacement Program (AMP)		18A001
110			
Project Type:	Rehab or Replace Assets		
Project Area:	Other		
Summary: CFPUA owns approximately 175 standby generators that are critical for the reliable operation of its wastewater pumping stations and well sites. This project is to systemically replace aging generators. Generators at Richardson wells sites M, I and L all have over 1,500 hours run time and are scheduled for evaluation and possible replacement in FY-2026 along with several load transfer switches at wells and pump stations throughout the system. Run times between 1,500 and 2,000 hours are approaching end of lifecycle as indicated by work order history aggregated across the generator fleet.			
<u>Project Drivers and Benefits:</u> - Compliance 4: Current and future regulatory compliance, including safety and water quality. - Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. - Capacity/Growth 1: Additional capacity and/or customers served. - Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$8,750,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$2,700,000	\$500,000	\$5,550,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Likelihood	Very Rare	Rare	Uncommon	Common	Frequent	Very Frequent
	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
CONSEQUENCE						
Very Low	1	2	3	4	5	6
Low	7	8	9	10	11	12
Medium	13	14	15	16	17	18
High	19	20	21	22	23	24
Very High	25	26	27	28	29	30

Risk After						
RISK ASSESSMENT MATRIX						
Likelihood	Very Rare	Rare	Uncommon	Common	Frequent	Very Frequent
	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
CONSEQUENCE						
Very Low	1	2	3	4	5	6
Low	7	8	9	10	11	12
Medium	13	14	15	16	17	18
High	19	20	21	22	23	24
Very High	25	26	27	28	29	30

REFERENCE NUMBER	IT SCADA and Security		19A001
114			
Project Type:	Rehab or Replace Assets		
Project Area:	Other		
Summary: The SCADA system at CFPUA’s facilities are becoming obsolete. Due to cyber security demands, standardization, centralized management, and to reduce future integration costs, SCADA is being migrated to an updated HMI platform. All hardware has been procured, configured and installed. Purchase and installation of new applications is planned at every plant over the next several years. SCADA controls are necessary for compliant and efficient operation of each facility and protecting the security of those assets is an ongoing effort that requires annual funding.			
<u>Project Drivers and Benefits:</u> • Compliance 5: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$13,575,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$4,500,000	\$750,000	\$8,325,000	



This Project Is Not
Risk Driven

This Project Is Not
Risk Driven

REFERENCE NUMBER	Richardson WTP 3 MGD Expansion		16W210
122			
Project Type:	Expansion		
Project Area:	Water Treatment		
Summary: The major expenses associated with the Richardson WTP 3 MGD Expansion can be deferred outside of the 10-year CIP because additional capacity was gained by adding 1 MGD of additional reverse osmosis filters to existing treatment skids and interconnecting the Sweeney WTP supplied distribution system with the Richardson WTP distribution system. This integration of two water distribution system defers capital cost and reduces annual operating cost. A future expansion will be required at Richardson WTP which will require the expansion of the well field. Acquisition of suitable land to expand the well field is the focus of this capital project over the next ten years.			
<u>Project Drivers and Benefits:</u> • Compliance 2: Current and future regulatory compliance, including safety and water quality. • Efficiency 1: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 4: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$56,075,599	
Budgeted Prior To FY 2026		Requested FY 2026	Future Budget Needs
\$5,325,599		\$250,000	\$50,500,000



Risk Before						
RISK ASSESSMENT MATRIX						
SEVERITY	1	2	3	4	5	6
LIKELIHOOD	1	2	3	4	5	6
1 - Very Low	1	2	3	4	5	6
2 - Low	2	3	4	5	6	7
3 - Moderate	3	4	5	6	7	8
4 - High	4	5	6	7	8	9
5 - Very High	5	6	7	8	9	10
6 - Extreme	6	7	8	9	10	11
CONSEQUENCE						

Risk After						
RISK ASSESSMENT MATRIX						
SEVERITY	1	2	3	4	5	6
LIKELIHOOD	1	2	3	4	5	6
1 - Very Low	1	2	3	4	5	6
2 - Low	2	3	4	5	6	7
3 - Moderate	3	4	5	6	7	8
4 - High	4	5	6	7	8	9
5 - Very High	5	6	7	8	9	10
6 - Extreme	6	7	8	9	10	11
CONSEQUENCE						

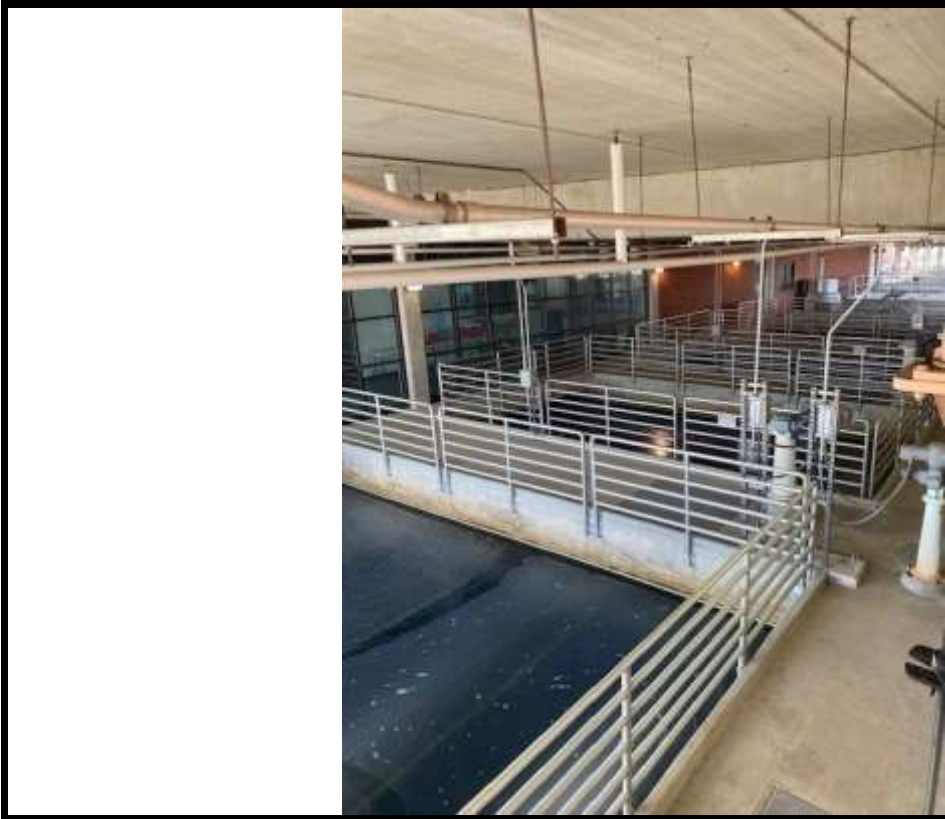
REFERENCE NUMBER	Pump Stations Prioritization and Rehabilitation		22S001
126			
Project Type:	Rehab or Replace Assets		
Project Area:	Wastewater Collection		
Summary: CFPUA has 21 sewer pump stations that are known to be past 40 years old and in need of rehabilitation or replacement. Through asset management, staff annually evaluates these pump stations for condition and consequence. Pump Stations currently in design will have first access to these funds, a new prioritization will begin this summer for future designs. A matching grant opportunity is being pursued for anti-flooding sustainability improvements at PS-39 and PS-97. If successful, this project will provide CFPUA 25% project match.			
<u>Project Drivers and Benefits:</u> - Compliance 4: Current and future regulatory compliance, including safety and water quality. - Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. - Capacity/Growth 1: Additional capacity and/or customers served. - Sustainability 3: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$16,100,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$4,000,000	\$1,000,000	\$11,100,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likely	10	20	30	40	50	60
Highly Likely	10	20	30	40	50	60
Medium Likely	5	10	15	20	25	30
Low Likely	1	2	3	4	5	6
Very Low	1	2	3	4	5	6
CONSEQUENCE	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likely	10	20	30	40	50	60
Highly Likely	10	20	30	40	50	60
Medium Likely	5	10	15	20	25	30
Low Likely	1	2	3	4	5	6
Very Low	1	2	3	4	5	6
CONSEQUENCE	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

REFERENCE NUMBER	Sweeney WTP Filters 1-4 Rehabilitation Plus Media Exchange		
132			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Treatment		
Summary: Sweeney WTP has 14 activated carbon media filters to remove suspended solids and organic compounds. Filters 1-4 were originally constructed in 1997, and the concrete walls are experiencing some deterioration due to age and ozonated water. The project scope will rehabilitate the concrete walls and replace the sand and GAC media. This project will also inspect the filter underdrain system to confirm proper operations.			
<u>Project Drivers and Benefits:</u> - Compliance 4: Current and future regulatory compliance, including safety and water quality. - Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. - Capacity/Growth 1: Additional capacity and/or customers served. - Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$600,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$0	\$600,000	\$0	



Risk Before						
RISK ASSESSMENT MATRIX						
Likelihood	Very Rare	Rare	Uncommon	Common	Frequent	Very Frequent
	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
CONSEQUENCE						
Very Low	Low	Medium	High	Very High	Extremely High	Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Likelihood	Very Rare	Rare	Uncommon	Common	Frequent	Very Frequent
	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
CONSEQUENCE						
Very Low	Low	Medium	High	Very High	Extremely High	Catastrophic

REFERENCE NUMBER	Sweeney Generators #1 and #2 Replacement		
133			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Treatment		
Summary: Sweeney WTP Emergency Generators #1 and #2 were installed in 1996. They are reaching the end of asset life and are not adequately sized with the addition of the new GAC Contactor Facility. These units will need to be replaced with sufficient sized emergency generators to fulfill the load of full plant capacity (44MGD). Project will also include replacement of Unit Sub Station’s USUB-1 and USUB-2, dry-type electrical distribution transformers that are also at end-of-life.			
<u>Project Drivers and Benefits:</u> • Compliance 5: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 3: Additional capacity and/or customers served. • Sustainability 4: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$10,500,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$0	\$10,500,000	\$0	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Medium Likely	7	8	9	10	11	12
Low Likely	13	14	15	16	17	18
Very Low	19	20	21	22	23	24
Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Medium Likely	7	8	9	10	11	12
Low Likely	13	14	15	16	17	18
Very Low	19	20	21	22	23	24
Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

REFERENCE NUMBER	Large Water Meter Vault Replacement (AMP)		20W002
134			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Distribution		
Summary: Replace or repair large meter vaults or meter vault lids that may pose a hazard to the public and CFPWA personnel because of condition. Currently there are over 35 vaults identified that need work.			
<u>Project Drivers and Benefits:</u> - Compliance 5: Current and future regulatory compliance, including safety and water quality. - Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. - Capacity/Growth 1: Additional capacity and/or customers served. - Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$5,630,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$2,000,000	\$300,000	\$3,330,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likely	10	20	30	40	50	60
Highly Likely	0	0	12	24	36	48
Probable	0	0	0	12	24	36
Unlikely	0	0	0	0	0	0
Very Unlikely	0	0	0	0	0	0
Total Risk	0	0	12	36	60	84
CONSEQUENCE						

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likely	10	20	30	40	50	60
Highly Likely	0	0	12	24	36	48
Probable	0	0	0	12	24	36
Unlikely	0	0	0	0	0	0
Very Unlikely	0	0	0	0	0	0
Total Risk	0	0	12	36	60	84
CONSEQUENCE						

REFERENCE NUMBER	Facilities Structural, Architectural, and Roof Rehab/Replace (AMP)		20A001
136			
Project Type:	Rehab or Replace Assets		
Project Area:	Other		
Summary: CFPUA assets include buildings, tanks and other structures made of concrete, steel and other materials approaching end of lifecycle. In 2020, the asset management program inspected and prioritized all roofs at CFPUA buildings for replacement or repair. 24 water wells at the Richardson WTP Well Field are currently protected by fiberglass housings that are approaching their end of life and structural integrity. These fiberglass structures will be replaced by more permanent structures that are better protective of the wellhead and more accessible for ongoing maintenance and operation by CFPUA staff.			
<u>Project Drivers and Benefits:</u> • Compliance 3: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$7,350,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$1,500,000	\$400,000	\$5,450,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Likelihood	Very Rare	Rare	Uncommon	Frequent	Very Frequent	Constant
	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
CONSEQUENCE						
Very Low	Low	Medium	High	Very High	Extreme	Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Likelihood	Very Rare	Rare	Uncommon	Frequent	Very Frequent	Constant
	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
CONSEQUENCE						
Very Low	Low	Medium	High	Very High	Extreme	Catastrophic

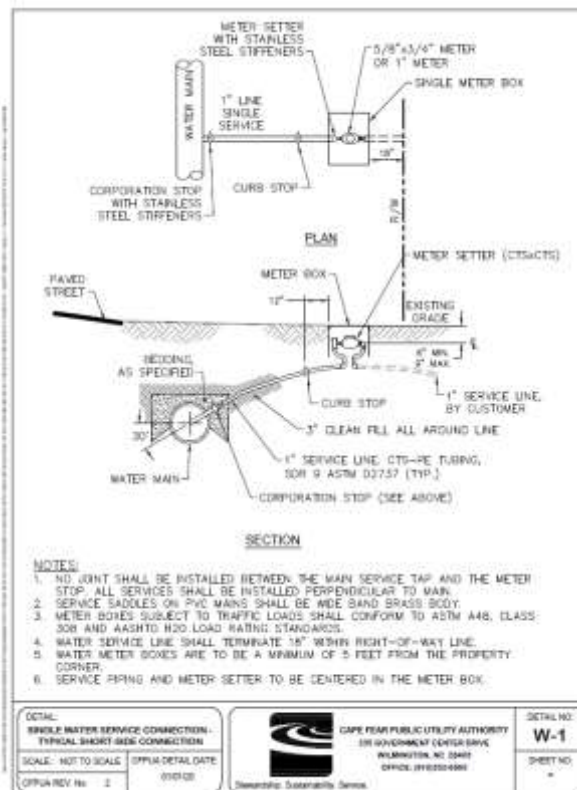
REFERENCE NUMBER	Groundwater Well Rehabilitation (AMP)		20W009
138			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Treatment		
Summary: CFPUA manages over fifty wells and continually replaces or rehabilitates components of this infrastructure to meet service levels. In FY 2026, the focus of this program will be on asset management activities extending the life cycle of existing wells.			
<u>Project Drivers and Benefits:</u> • Compliance 3: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$5,679,733	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$3,259,733	\$200,000	\$2,220,000	



This Project Is Not Risk Driven



REFERENCE NUMBER	New Water and Sewer Service Installation		
147			
Project Type:	Expansion		
Project Area:	Other		
Summary: This project provides funding for new water and sewer service installation added by development or other connections, providing opportunities to increase customer base. This is required to convey water and wastewater from the water treatment plants to the customer, and from the customer to the wastewater treatment plants. When existing homes open new accounts for water and sewer service with the Authority, water and sewer services are installed where they do not exist. This project funds water and sewer service installation contracts.			
<u>Project Drivers and Benefits:</u> • Compliance 1: Current and future regulatory compliance, including safety and water quality. • Efficiency 1: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 5: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$2,600,000	
Budgeted Prior To FY 2026		Requested FY 2026	Future Budget Needs
\$1,100,000		\$150,000	\$1,350,000



Risk Before

RISK ASSESSMENT MATRIX

3-Very Little	1	2	3	4	5
4-Moderate	6	7	8	9	10
5-High	11	12	13	14	15
6-Extreme	16	17	18	19	20
7-Catastrophic	21	22	23	24	25
8-Unacceptable	26	27	28	29	30
9-Intolerable	31	32	33	34	35
10-Not tolerable	36	37	38	39	40
11-Not tolerable	41	42	43	44	45
12-Not tolerable	46	47	48	49	50
13-Not tolerable	51	52	53	54	55
14-Not tolerable	56	57	58	59	60
15-Not tolerable	61	62	63	64	65
16-Not tolerable	66	67	68	69	70
17-Not tolerable	71	72	73	74	75
18-Not tolerable	76	77	78	79	80
19-Not tolerable	81	82	83	84	85
20-Not tolerable	86	87	88	89	90
21-Not tolerable	91	92	93	94	95
22-Not tolerable	96	97	98	99	100
23-Not tolerable	101	102	103	104	105
24-Not tolerable	106	107	108	109	110
25-Not tolerable	111	112	113	114	115
26-Not tolerable	116	117	118	119	120
27-Not tolerable	121	122	123	124	125
28-Not tolerable	126	127	128	129	130
29-Not tolerable	131	132	133	134	135
30-Not tolerable	136	137	138	139	140
31-Not tolerable	141	142	143	144	145
32-Not tolerable	146	147	148	149	150
33-Not tolerable	151	152	153	154	155
34-Not tolerable	156	157	158	159	160
35-Not tolerable	161	162	163	164	165
36-Not tolerable	166	167	168	169	170
37-Not tolerable	171	172	173	174	175
38-Not tolerable	176	177	178	179	180
39-Not tolerable	181	182	183	184	185
40-Not tolerable	186	187	188	189	190
41-Not tolerable	191	192	193	194	195
42-Not tolerable	196	197	198	199	200
43-Not tolerable	201	202	203	204	205
44-Not tolerable	206	207	208	209	210
45-Not tolerable	211	212	213	214	215
46-Not tolerable	216	217	218	219	220
47-Not tolerable	221	222	223	224	225
48-Not tolerable	226	227	228	229	230
49-Not tolerable	231	232	233	234	235
50-Not tolerable	236	237	238	239	240
51-Not tolerable	241	242	243	244	245
52-Not tolerable	246	247	248	249	250
53-Not tolerable	251	252	253	254	255
54-Not tolerable	256	257	258	259	260
55-Not tolerable	261	262	263	264	265
56-Not tolerable	266	267	268	269	270
57-Not tolerable	271	272	273	274	275
58-Not tolerable	276	277	278	279	280
59-Not tolerable	281	282	283	284	285
60-Not tolerable	286	287	288	289	290
61-Not tolerable	291	292	293	294	295
62-Not tolerable	296	297	298	299	300
63-Not tolerable	301	302	303	304	305
64-Not tolerable	306	307	308	309	310
65-Not tolerable	311	312	313	314	315

CONCLUSION

Risk After					
RISK ASSESSMENT MATRIX					
	1 Very Low	2 Low	3 Moderate	4 Significant	5 Very High
1 Very Low	1	2	3	4	5
2 Low	2	3	4	5	6
3 Moderate	3	4	5	6	7
4 Significant	4	5	6	7	8
5 Very High	5	6	7	8	9
6 Very High	6	7	8	9	10
7 Very High	7	8	9	10	11
8 Very High	8	9	10	11	12
9 Very High	9	10	11	12	13
10 Very High	10	11	12	13	14
11 Very High	11	12	13	14	15
12 Very High	12	13	14	15	16
13 Very High	13	14	15	16	17
14 Very High	14	15	16	17	18
15 Very High	15	16	17	18	19
16 Very High	16	17	18	19	20
17 Very High	17	18	19	20	21
18 Very High	18	19	20	21	22
19 Very High	19	20	21	22	23
20 Very High	20	21	22	23	24
21 Very High	21	22	23	24	25
22 Very High	22	23	24	25	26
23 Very High	23	24	25	26	27
24 Very High	24	25	26	27	28
25 Very High	25	26	27	28	29
26 Very High	26	27	28	29	30
27 Very High	27	28	29	30	31
28 Very High	28	29	30	31	32
29 Very High	29	30	31	32	33
30 Very High	30	31	32	33	34
31 Very High	31	32	33	34	35
32 Very High	32	33	34	35	36
33 Very High	33	34	35	36	37
34 Very High	34	35	36	37	38
35 Very High	35	36	37	38	39
36 Very High	36	37	38	39	40
37 Very High	37	38	39	40	41
38 Very High	38	39	40	41	42
39 Very High	39	40	41	42	43
40 Very High	40	41	42	43	44
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43 Very High	43	44	45	46	47
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49 Very High	49	50	51	52	53
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52 Very High	52	53	54	55	56
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54 Very High	54	55	56	57	58
55 Very High	55	56	57	58	59
56 Very High	56	57	58	59	60
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64 Very High	64	65	66	67	68
65 Very High	65	66	67	68	69
66 Very High	66	67	68	69	70
67 Very High	67	68	69	70	71
68 Very High	68	69	70	71	72
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73 Very High	73	74	75	76	77
74 Very High	74	75	76	77	78
75 Very High	75	76	77	78	79
76 Very High	76	77	78	79	80
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79 Very High	79	80	81	82	83
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87 Very High	87	88	89	90	91
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89 Very High	89	90	91	92	93
90 Very High	90	91	92	93	94
91 Very High	91	92	93	94	95
92 Very High	92	93	94	95	96
93 Very High	93	94	95	96	97
94 Very High	94	95	96	97	98
95 Very High	95	96	97	98	99
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219 Very High	219	220	221	222	223
220 Very High	220	221	222	223	224
221 Very High	221	222	223	224	225
222 Very High	222	223	224	225	226
223 Very High	223	224	225	226	

REFERENCE NUMBER	Large Meter Testing and Replacement (AMP)	21W008
150		
Project Type:	Rehab or Replace Assets	
Project Area:	Water Distribution	
Summary: CFPUA has approximately 328 large water meters (3-inches or larger). A majority of these meters are approaching the end of their useful life, meaning a reduction in reading accuracy. A previous project replaced meters smaller than 3-inches in diameter. This project addresses the need to properly bill our largest water customers.		
<u>Project Drivers and Benefits:</u> • Compliance 3: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.		
Total Estimated Cost	\$4,300,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs
\$1,300,000	\$300,000	\$2,700,000



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Medium Likely	7	8	9	10	11	12
Low Likely	13	14	15	16	17	18
Very Low	19	20	21	22	23	24
CONSEQUENCE	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Medium Likely	7	8	9	10	11	12
Low Likely	13	14	15	16	17	18
Very Low	19	20	21	22	23	24
CONSEQUENCE	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

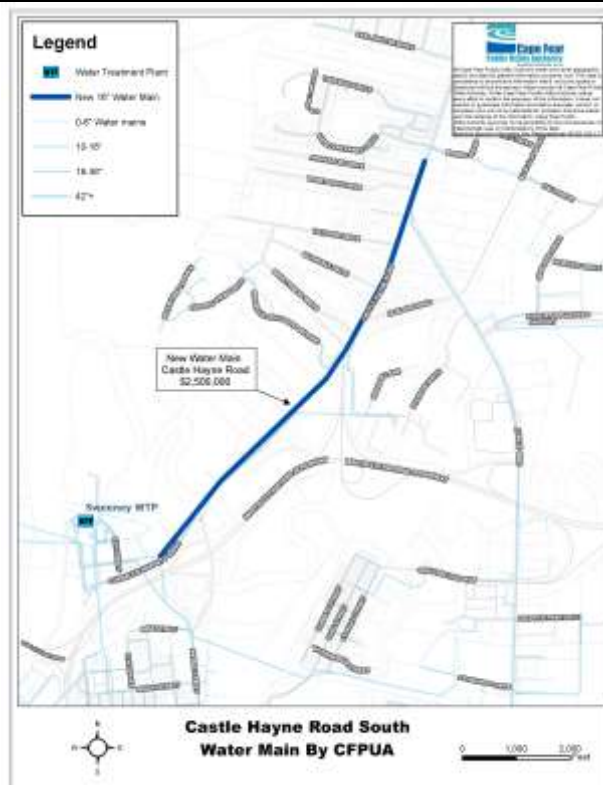
REFERENCE NUMBER	Southside WWTP - Rehab/Replace and Capacity Upgrade		09S016
151			
Project Type:	Expansion		
Project Area:	Wastewater Treatment		
Summary: Southside WWTP was originally constructed in 1972, upgraded in 1985 and has had repeated investments to incrementally extend its life over the last 10 years. The project will include construction of a new wastewater treatment plant and increasing capacity to handle the growth in New Hanover County. The additional funding is requested based on an AACE Class 3 estimate from 30% design drawings.			
<u>Project Drivers and Benefits:</u>			
• Compliance 4:		Current and future regulatory compliance, including safety and water quality.	
• Efficiency 5:		Leading to future operating or capital savings, including customer service and financing options.	
• Capacity/Growth 5:		Additional capacity and/or customers served.	
• Sustainability 4:		Energy savings, reduced carbon footprint, climate change adaptation.	
Total Estimated Cost		\$415,920,261	
Budgeted Prior To FY 2026		Requested FY 2026	Future Budget Needs
\$254,920,261		\$161,000,000	\$0



This Project Is Not
Risk Driven

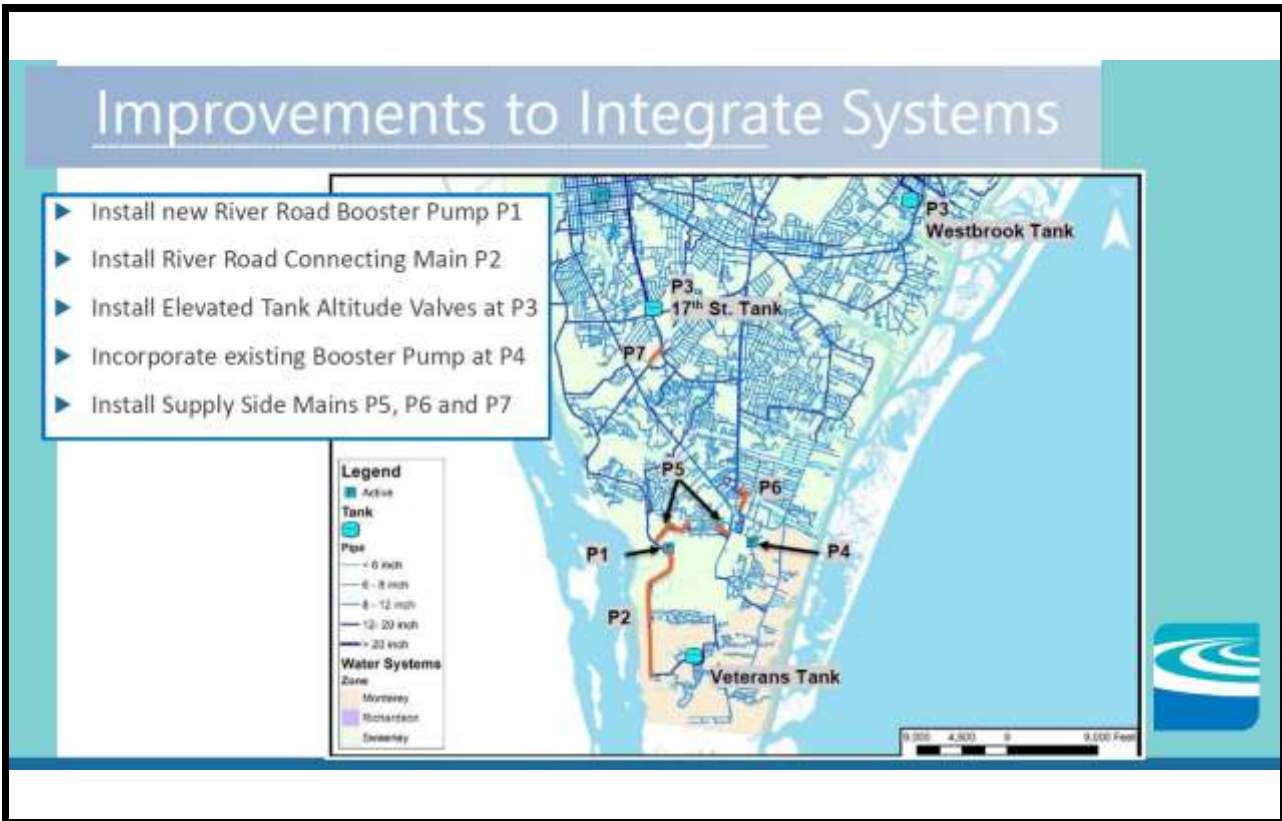
This Project Is Not
Risk Driven

REFERENCE NUMBER	South Castle Hayne Road Water Main	23W004
155		
Project Type:	Expansion	
Project Area:	Water Distribution	
Summary: South Castle Hayne Water Main installs approximately 10,000 feet of new 20-inch water from the vicinity of Sweeney Water Treatment Plant up Castle Hayne Road to the vicinity of the Kerr Avenue intersection. This pipe was identified in the Sidbury and Greenview Preliminary Engineering Report as being necessary to provide water capacity to planned development in the northern portion of New Hanover County. This additional funding is based on AACE Class 2 estimate.		
<u>Project Drivers and Benefits:</u> • Compliance 3: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 5: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.		
Total Estimated Cost	\$14,045,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs
\$11,045,000	\$3,000,000	\$0





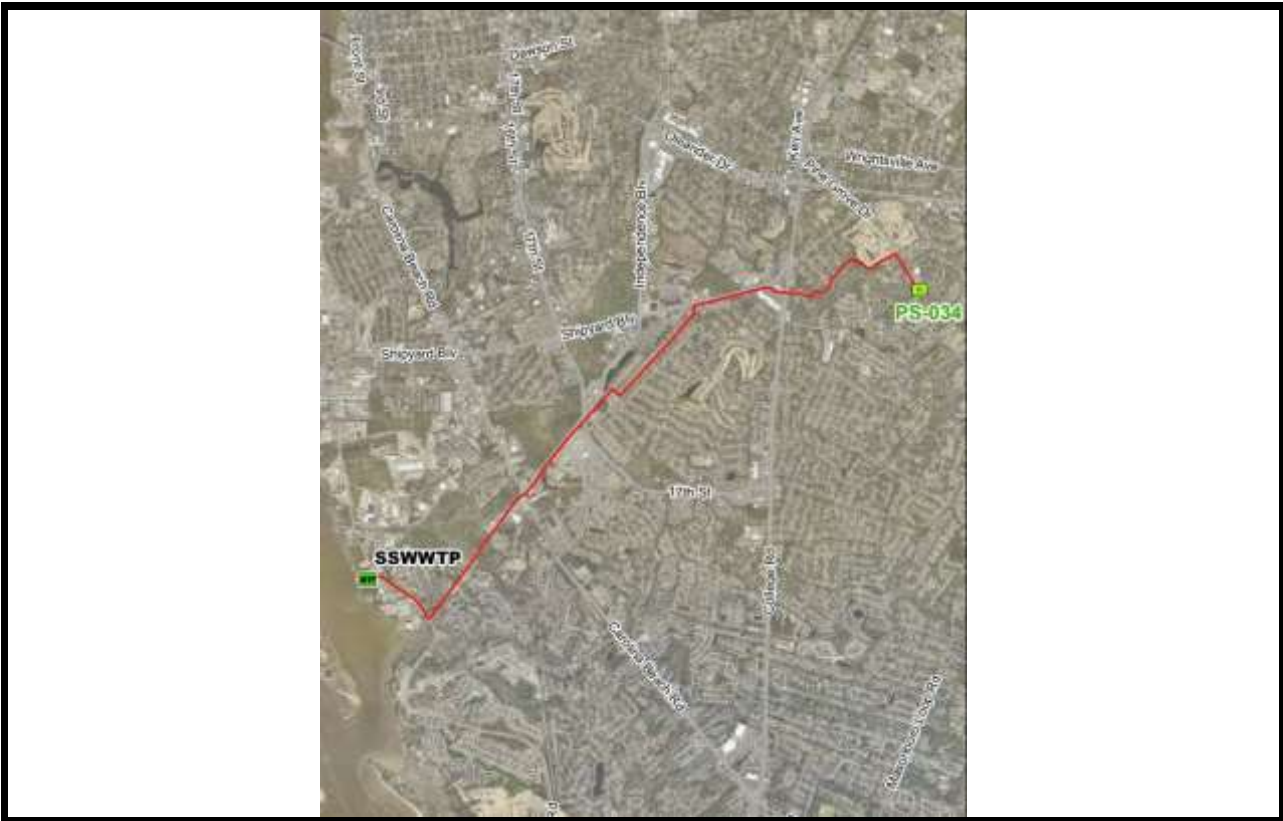
REFERENCE NUMBER	River Road Booster Pump Station and Interconnections		23W003
163			
Project Type:	Expansion		
Project Area:	Water Distribution		
Summary: River Road Booster Pump Station and Interconnections project will enable the existing Monterey Heights Groundwater System to be supplied by Sweeney Water Treatment Plant. This will enable all groundwater wells in New Hanover County to become emergency wells, reducing reliance on aquifers and reducing operating costs to operate and maintain the wells. The project will strengthen interconnectivity at key areas of the Authority’s water system, including a booster pump and 16-inch water main extension from Riverlights to Veteran’s Park. This additional funding is based on AACE Class 2 estimate.			
<u>Project Drivers and Benefits:</u> • Compliance 4: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 5: Additional capacity and/or customers served. • Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$20,300,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$18,000,000	\$2,300,000	\$0	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Highly Possible	7	8	9	10	11	12
Medium Likely	13	14	15	16	17	18
Low Likely	19	20	21	22	23	24
Very Low	25	26	27	28	29	30
Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
Highly Likely	1	2	3	4	5	6
Highly Possible	7	8	9	10	11	12
Medium Likely	13	14	15	16	17	18
Low Likely	19	20	21	22	23	24
Very Low	25	26	27	28	29	30
Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Severe	6-Catastrophic

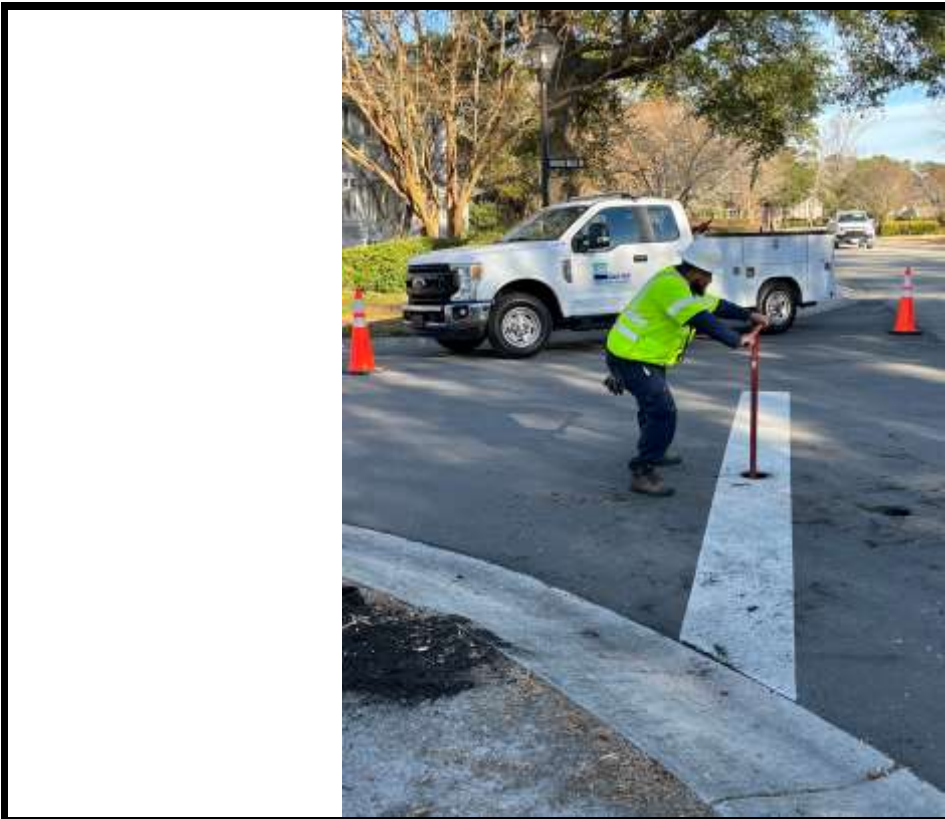
REFERENCE NUMBER	Force Main Assessment Rehab/Replace (AMP)		
172			
Project Type:	Rehab or Replace Assets		
Project Area:	Wastewater Collection		
Summary: CFPUA uses risk assessments and a deficiency identification and rehabilitation program to prioritize and rehabilitate force mains throughout its service area. This year’s focus will be on assessing the PS-34 to SSWWTP NEI to support the recommended decision to defer the rehabilitation past FY-2030.			
<u>Project Drivers and Benefits:</u> • Compliance 5: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$55,500,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$0	\$2,500,000	\$53,000,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
6-Highly Likely	60	120	180	240	300	360
5-Moderately Likely	40	80	120	160	200	240
4-Moderately Unlikely	20	40	60	80	100	120
3-Low Likelihood	10	20	30	40	50	60
2-Low Unlikely	5	10	15	20	25	30
1-Very Unlikely	1	2	3	4	5	6
Overall Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Serious	6-Catastrophic

Risk After						
RISK ASSESSMENT MATRIX						
Severity Likelihood	10	20	30	40	50	60
6-Highly Likely	60	120	180	240	300	360
5-Moderately Likely	40	80	120	160	200	240
4-Moderately Unlikely	20	40	60	80	100	120
3-Low Likelihood	10	20	30	40	50	60
2-Low Unlikely	5	10	15	20	25	30
1-Very Unlikely	1	2	3	4	5	6
Overall Consequence	1-Negligible	2-Minor	3-Moderate	4-Significant	5-Serious	6-Catastrophic

REFERENCE NUMBER	Valve Exercise and Replacement (AMP)		
189			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Distribution		
Summary: CFPUA has approximately 18,000 valves in its water distribution system, many over 70 years old. Best industry practice is to exercise each valve in the system by closing and opening it periodically to ensure its proper operation. To achieve this recommendation from the Asset Management Plan, CFPUA plans to hire a contractor for initial exercise of the valves and to replace any valves that break during the process. This method was successfully used in Raleigh and the program will take lessons learned from that utility.			
<u>Project Drivers and Benefits:</u> • Compliance 5: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 1: Additional capacity and/or customers served. • Sustainability 2: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$9,000,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$1,500,000	\$1,500,000	\$6,000,000	



Risk Before						
RISK ASSESSMENT MATRIX						
Severity	10	20	30	40	50	60
Frequency	1	2	3	4	5	6
Impact	1	2	3	4	5	6
Consequence	1	2	3	4	5	6
Overall	1	2	3	4	5	6
Conclusion	1	2	3	4	5	6

Risk After						
RISK ASSESSMENT MATRIX						
Severity	10	20	30	40	50	60
Frequency	1	2	3	4	5	6
Impact	1	2	3	4	5	6
Consequence	1	2	3	4	5	6
Overall	1	2	3	4	5	6
Conclusion	1	2	3	4	5	6

REFERENCE NUMBER	Richardson WTP Raw Water Bio-growth Elimination		
203			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Treatment		
Summary: This project will fund the construction portion of a design-build contract to eliminate bio growth in the PeeDee raw water system from wells through pre-filtration vessels.			
<u>Project Drivers and Benefits:</u>			
• Compliance 4:		Current and future regulatory compliance, including safety and water quality.	
• Efficiency 5:		Leading to future operating or capital savings, including customer service and financing options.	
• Capacity/Growth 4:		Additional capacity and/or customers served.	
• Sustainability 4:		Energy savings, reduced carbon footprint, climate change adaptation.	
Total Estimated Cost		\$5,000,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$0	\$5,000,000	\$0	



This Project Is Not Risk Driven

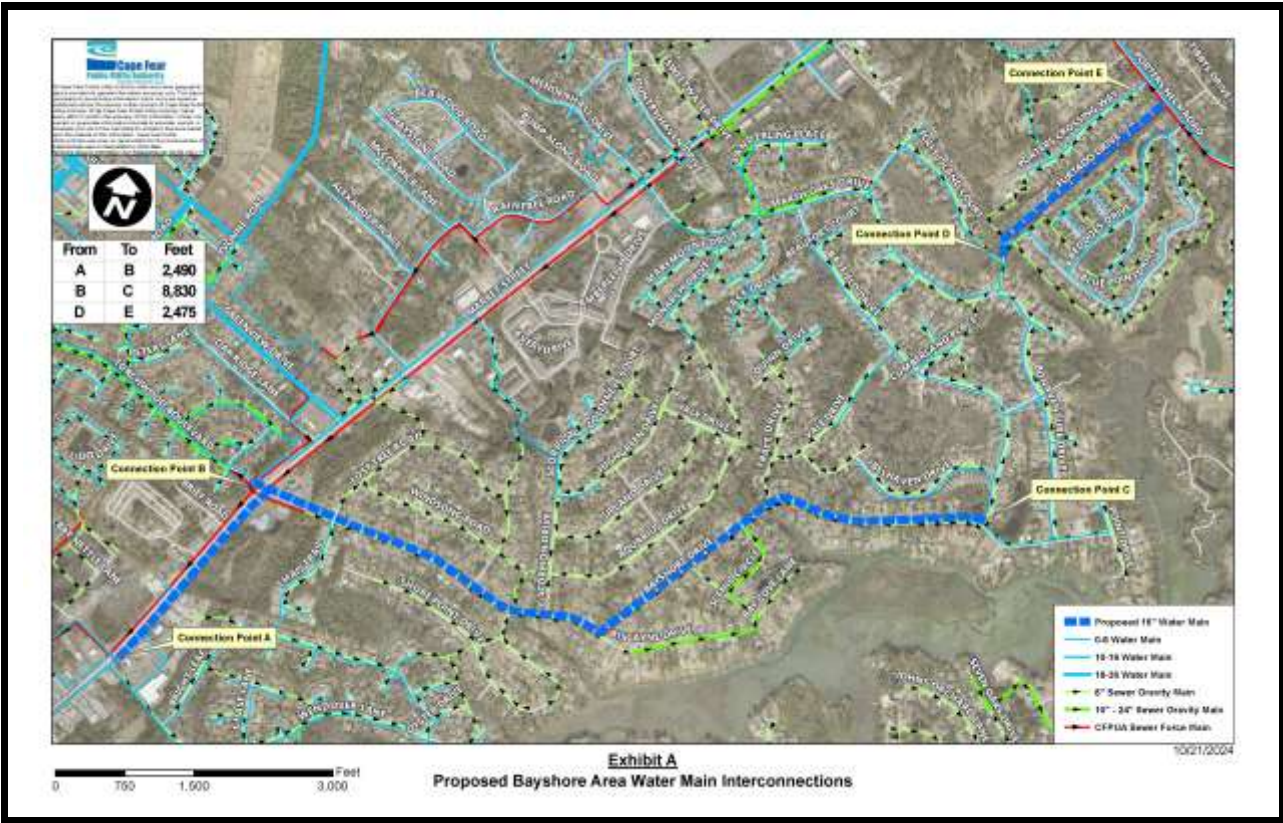


REFERENCE NUMBER	City of Wilmington Stormwater and Transportation ILA's		
206			
Project Type:	Expansion		
Project Area:	Other		
Summary: The City of Wilmington has multiple stormwater and transportation projects which require CFPUA cost participation per Interlocal Agreement (ILA). These projects identified water and sewer conflicts that require relocation for regulatory compliance. A Memorandum of Understanding (MOU) will be developed for each project to identify CFPUA cost share responsibilities. These projects are: Front Street Bridge Rehabilitation, 4th Street Bridge Rehabilitation, Pine Grove Bridge Replacement, 17th Street Multi-Use Path, Water Street Park Improvements, Brookshire/Beasley Drainage, Wisteria/Clearbrook Drainage, Pirates Cove Drainage, and Red Berry Drive Drainage.			
<u>Project Drivers and Benefits:</u> • Compliance 5: Current and future regulatory compliance, including safety and water quality. • Efficiency 3: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 3: Additional capacity and/or customers served. • Sustainability 3: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$2,500,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$0	\$2,500,000	\$0	





REFERENCE NUMBER	Bayshore Water Main		
207			
Project Type:	Expansion		
Project Area:	Water Distribution		
Summary: This project increases the Sweeney supplied portion of the 010 distribution system and decreases demands on RWTP. This can reduce pumping from the PeeDee aquifer and helps reduce the tendency of bio growth by reducing entrained oxygen in raw water. The project also provides better supply to the Porters Neck elevated tank to enable growth and enables future expansion of water mains to Bayshore funded by others.			
<u>Project Drivers and Benefits:</u> • Compliance 4: Current and future regulatory compliance, including safety and water quality. • Efficiency 4: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 5: Additional capacity and/or customers served. • Sustainability 3: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$9,200,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$6,200,000	\$3,000,000	\$0	



Risk Before							
RISK ASSESSMENT MATRIX							
Likelihood	Severity	1	2	3	4	5	
	1	Very Low	Low	Medium	High	Critical	
	2	1	2	3	4	5	
	3	6	7	8	9	10	
	4	11	12	13	14	15	
	5	16	17	18	19	20	
CONSEQUENCE							
1	2	3	4	5	6	7	
1	Very Low	Low	Medium	High	Critical	Very High	Extremely High
2	1	2	3	4	5	6	7
3	8	9	10	11	12	13	14
4	15	16	17	18	19	20	21
5	22	23	24	25	26	27	28
6	29	30	31	32	33	34	35
7	36	37	38	39	40	41	42

Risk After						
RISK ASSESSMENT MATRIX						
Likelihood	Severity	1	2	3	4	5
		Very Low	Low	Medium	High	Critical
		1	2	3	4	5
		6	7	8	9	10
		11	12	13	14	15
		16	17	18	19	20
CONSEQUENCE						
1	Very Low	1	2	3	4	5
2	Low	6	7	8	9	10
3	Medium	11	12	13	14	15
4	High	16	17	18	19	20
5	Critical	21	22	23	24	25

REFERENCE NUMBER	Northside WWTP Blowers		
208			
Project Type:	Rehab or Replace Assets		
Project Area:	Water Treatment		
Summary: Northside WWTP has four multistage blowers to provide oxygen (DO) to the Aeration Basin to meet nitrification requirements. The blowers have been in service since 2008 and due to increased influent flow the current blowers are at the max design limit during warmer months. This may impact plant’s ability to meet compliance limits for ammonia removal. The project will replace all 4 blowers with capacities to meet future growth and will replace them with High-Speed Turbo blowers that are sustainable and energy efficient.			
<u>Project Drivers and Benefits:</u> • Compliance 3: Current and future regulatory compliance, including safety and water quality. • Efficiency 5: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 3: Additional capacity and/or customers served. • Sustainability 4: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$2,000,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$0	\$2,000,000	\$0	



This Project Is Not
Risk Driven



REFERENCE NUMBER	Crooked Pine Road Water Main		
209			
Project Type:	Expansion		
Project Area:	Water Distribution		
Summary: This is an unfunded growth project to extend a 12-inch water main from existing CFPWA water mains at the end of Murrayville Road. The project is included in the CIP to increase awareness that there is not a plan for public investment in water mains throughout Greenview Ranches. Expansion of water in this area is dependent upon the timing and investment of development. A sewer force main funded by New Hanover County is being constructed along Plantation Road and a “dry” horizontal directional drill is being constructed under Military Cutoff Extended, but that is the current extent of public investment in water and sewer infrastructure in Greenview Ranches. This project is proposed as “Funded by Others” and has no impact on rate calculation. It may be possible to execute this project as a cost recovery project that is funded by benefitting development.			
<u>Project Drivers and Benefits:</u> • Compliance 1: Current and future regulatory compliance, including safety and water quality. • Efficiency 1: Leading to future operating or capital savings, including customer service and financing options. • Capacity/Growth 5: Additional capacity and/or customers served. • Sustainability 1: Energy savings, reduced carbon footprint, climate change adaptation.			
Total Estimated Cost		\$1,500,000	
Budgeted Prior To FY 2026	Requested FY 2026	Future Budget Needs	
\$0	\$1,500,000	\$0	



FY-2026 Capital Improvements Highest to Lowest Project Budget Sort

Reference Number	Project Name	Project Type	Project Area	FY-26 Budget	Project Drivers and Benefits			
151	Southside WWTP - Rehab/Replace and Capacity Upgrade	Expansion	Wastewater Treatment	\$161,000,000	Compliance:	4	18	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5		Additional capacity and/or customers served.
					Sustainability:	4		Energy savings, reduced carbon footprint, climate change adaptation.
133	Sweeney Generators #1 and #2 Replacement	Rehab or Replace Assets	Water Treatment	\$10,500,000	Compliance:	5	17	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	3		Additional capacity and/or customers served.
					Sustainability:	4		Energy savings, reduced carbon footprint, climate change adaptation.
4	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	Rehab or Replace Assets	Wastewater Collection	\$5,000,000	Compliance:	5	13	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
203	Richardson WTP Raw Water Bio-growth Elimination	Rehab or Replace Assets	Water Treatment	\$5,000,000	Compliance:	4	17	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	4		Additional capacity and/or customers served.
					Sustainability:	4		Energy savings, reduced carbon footprint, climate change adaptation.
155	South Castle Hayne Road Water Main	Expansion	Water Distribution	\$3,000,000	Compliance:	3	13	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
207	Bayshore Water Main	Expansion	Water Distribution	\$3,000,000	Compliance:	4	16	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5		Additional capacity and/or customers served.
					Sustainability:	3		Energy savings, reduced carbon footprint, climate change adaptation.
27	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	Rehab or Replace Assets	Water Distribution	\$2,842,000	Compliance:	5	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
172	Force Main Assessment Rehab/Replace (AMP)	Rehab or Replace Assets	Wastewater Collection	\$2,500,000	Compliance:	5	13	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
206	City of Wilmington Stormwater and Transportation ILA's	Expansion	Other	\$2,500,000	Compliance:	5	14	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	3		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	3		Additional capacity and/or customers served.
					Sustainability:	3		Energy savings, reduced carbon footprint, climate change adaptation.
163	River Road Booster Pump Station and Interconnections	Expansion	Water Distribution	\$2,300,000	Compliance:	4	16	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
208	Northside WWTP Blowers	Rehab or Replace Assets	Water Treatment	\$2,000,000	Compliance:	3	15	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	3		Additional capacity and/or customers served.
					Sustainability:	4		Energy savings, reduced carbon footprint, climate change adaptation.
189	Valve Exercise and Replacement (AMP)	Rehab or Replace Assets	Water Distribution	\$1,500,000	Compliance:	5	12	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
209	Crooked Pine Road Water Main	Expansion	Water Distribution	\$1,500,000	Compliance:	1	8	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	1		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change
34	Motor Fleet Capital	Rehab or Replace Assets	Other	\$1,300,000	Compliance:	2	10	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	3		Energy savings, reduced carbon footprint, climate change adaptation.

Reference Number	Project Name	Project Type	Project Area	FY-26 Budget	Project Drivers and Benefits			
126	Pump Stations Prioritization and Rehabilitation	Rehab or Replace Assets	Wastewater Collection	\$1,000,000	Compliance:	4	12	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	3		Energy savings, reduced carbon footprint, climate change adaptation.
40	OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)	Rehab or Replace Assets	Other	\$1,000,000	Compliance:	4	12	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
114	IT SCADA and Security	Rehab or Replace Assets	Other	\$750,000	Compliance:	5	12	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
132	Sweeney WTP Filters 1-4 Rehabilitation Plus Media Exchange	Rehab or Replace Assets	Water Treatment	\$600,000	Compliance:	4	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
1	Sewer Emergency Repair	Rehab or Replace Assets	Wastewater Collection	\$500,000	Compliance:	5	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
110	Generator Rehab and Replacement Program (AMP)	Rehab or Replace Assets	Other	\$500,000	Compliance:	4	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
136	Facilities Structural, Architectural, and Roof Rehab/Replace (AMP)	Rehab or Replace Assets	Other	\$400,000	Compliance:	3	9	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
150	Large Meter Testing and Replacement (AMP)	Rehab or Replace Assets	Water Distribution	\$300,000	Compliance:	3	10	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
134	Large Water Meter Vault Replacement (AMP)	Rehab or Replace Assets	Water Distribution	\$300,000	Compliance:	5	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
122	Richardson WTP 3 MGD Expansion	Expansion	Water Treatment	\$250,000	Compliance:	2	8	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	1		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	4		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
57	Water Emergency Repair	Rehab or Replace Assets	Water Distribution	\$250,000	Compliance:	5	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
138	Groundwater Well Rehabilitation (AMP)	Rehab or Replace Assets	Water Treatment	\$200,000	Compliance:	3	10	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1		Additional capacity and/or customers served.
					Sustainability:	2		Energy savings, reduced carbon footprint, climate change adaptation.
39	Distribution System - Standard Developer Agreements	Expansion	Water Distribution	\$150,000	Compliance:	1	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.
38	Collection System - Standard Developer Agreements	Expansion	Wastewater Collection	\$150,000	Compliance:	1	11	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4		Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5		Additional capacity and/or customers served.
					Sustainability:	1		Energy savings, reduced carbon footprint, climate change adaptation.

Reference Number	Project Name	Project Type	Project Area	FY-26 Budget	Project Drivers and Benefits		
30	Information Technology Networking Infrastructure Replacement	Rehab or Replace Assets	Other	\$150,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	5	Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1	Additional capacity and/or customers served.
					Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
147	New Water and Sewer Service Installation	Expansion	Other	\$150,000	Compliance:	1	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	1	Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	5	Additional capacity and/or customers served.
					Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
53	Elevated Tank Rehabilitation and Coatings	Rehab or Replace Assets	Water Distribution	\$120,000	Compliance:	3	Current and future regulatory compliance, including safety and water quality.
					Efficiency:	4	Leading to future operating or capital savings, including customer service and financing options.
					Capacity/Growth:	1	Additional capacity and/or customers served.
					Sustainability:	1	Energy savings, reduced carbon footprint, climate change adaptation.
	OVERALL TOTAL			\$210,712,000			

*These growth projects may have substantial capital cost recovery from new customers or other stakeholders. The entire project amount is programmed to allow construction prior to cost recovery.

PROJECTED OPERATING BUDGET IMPACTS FROM FY-2026 CIP

Reference Number	Capital Project	Current Project #	Amount Budgeted Prior to FY-26 Budgeted	FY-2026 Budgeted	FY-27 to FY-35 Annual Planned	Total Cumulative Project Cost Planned	Estimated Completion Fiscal Year	Quantifiable Annual Operating Budget Impact Expected	Unquantifiable Annual Operating Budget Impact Expected	Annual Operating Budget Impact Comments
All dollar amounts are shown in 2026 dollars. No adjustments are made for projected inflation or deflation.										
1	Sewer Emergency Repair	17S393	\$17,500,000	\$500,000	\$5,550,000	\$23,550,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
4	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	17S394	\$14,200,000	\$5,000,000	\$55,500,000	\$74,700,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
27	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	17W244	\$6,500,000	\$2,842,000	\$82,908,000	\$92,250,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
30	Information Technology Networking Infrastructure Replacement	16A007	\$1,830,000	\$150,000	\$1,710,000	\$3,690,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
34	Motor Fleet Capital	17A013	\$5,978,000	\$1,300,000	\$11,700,000	\$18,978,000	Annual		Future Operating Budget Decrease	The project replaces fleet vehicles past their lifecycle with savings that cannot be quantified without implementation.
38	Collection System - Standard Developer Agreements	17S399	\$900,000	\$150,000	\$1,665,000	\$2,715,000	Annual		Future Operating Budget Increase	Revenues from any new customers expected to be offset by increased operating cost of new infrastructure.
39	Distribution System - Standard Developer Agreements	17W248	\$900,000	\$150,000	\$1,665,000	\$2,715,000	Annual		Future Operating Budget Increase	Revenues from any new customers expected to be offset by increased operating cost of new infrastructure.
40	OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)	17A012	\$5,500,000	\$1,000,000	\$11,400,000	\$17,900,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
53	Elevated Tank Rehabilitation and Coatings	18W002	\$3,340,000	\$120,000	\$6,448,000	\$9,908,000	Annual		No Change To Future Operating Budget	This project maintains existing infrastructure to ensure stable operation over the infrastructure lifecycle.
57	Water Emergency Repair	16W223	\$1,500,000	\$250,000	\$2,775,000	\$4,525,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
110	Generator Rehab and Replacement Program (AMP)	18A001	\$2,700,000	\$500,000	\$5,550,000	\$8,750,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
114	IT SCADA and Security	19A001	\$4,500,000	\$750,000	\$8,325,000	\$13,575,000	Annual		Future Operating Budget Decrease	The project enables process improvements that lead to efficiencies that cannot be quantified without implementation.
122	Richardson WTP 3 MGD Expansion	16W210	\$5,325,599	\$250,000	\$50,500,000	\$56,075,599	2024		Future Operating Budget Decrease	Revenues from any new customers expected to be offset by increased operating cost of new infrastructure.
126	Pump Stations Prioritization and Rehabilitation	22S001	\$4,000,000	\$1,000,000	\$11,100,000	\$16,100,000	2023		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
132	Sweeney WTP Filters 1-4 Rehabilitation Plus Media Exchange		\$0	\$600,000	\$0	\$600,000	2027		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
133	Sweeney Generators #1 and #2 Replacement		\$0	\$10,500,000	\$0	\$10,500,000	2027		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
134	Large Water Meter Vault Replacement (AMP)	20W002	\$2,000,000	\$300,000	\$3,330,000	\$5,630,000	2026		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
136	Facilities Structural, Architectural, and Roof Rehab/Replace (AMP)	20A001	\$1,500,000	\$400,000	\$5,450,000	\$7,350,000	2030		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
138	Groundwater Well Rehabilitation (AMP)	20W009	\$3,259,733	\$200,000	\$2,220,000	\$5,679,733	Annual		No Change To Future Operating Budget	This project maintains existing infrastructure to ensure stable operation over the infrastructure lifecycle.
147	New Water and Sewer Service Installation		\$1,100,000	\$150,000	\$1,350,000	\$2,600,000	Annual		Future Operating Budget Increase	This project installs new water and sewer services. Revenues from any new customers expected are offset by increased operating cost of new infrastructure.
150	Large Meter Testing and Replacement (AMP)	21W008	\$1,300,000	\$300,000	\$2,700,000	\$4,300,000	Annual		Future Operating Budget Decrease	This project replaces meters that are past their lifecycle. Metered water revenues may increase but cannot be quantified without implementation.
151	Southside WWTP - Rehab/Replace and Capacity Upgrade	09S016	\$254,920,261	\$161,000,000	\$0	\$415,920,261	2030		Future Operating Budget Increase	Water quality improvement of treated effluent has higher operating costs.

Reference Number	Capital Project	Current Project #	Amount Budgeted Prior to FY-26 Budgeted	FY-2026 Budgeted	FY-27 to FY-35 Annual Planned	Total Cumulative Project Cost Planned	Estimated Completion Fiscal Year	Quantifiable Annual Operating Budget Impact Expected	Unquantifiable Annual Operating Budget Impact Expected	Annual Operating Budget Impact Comments
All dollar amounts are shown in 2026 dollars. No adjustments are made for projected inflation or deflation.										
155	South Castle Hayne Road Water Main	23W004	\$11,045,000	\$3,000,000	\$0	\$14,045,000	2026		Future Operating Budget Increase	Marginal increase over time due to incremental maintenance cost increase due to additional miles of main.
163	River Road Booster Pump Station and Interconnections	23W003	\$18,000,000	\$2,300,000	\$0	\$20,300,000	2025		Future Operating Budget Decrease	Eliminates operating cost of 5 ground water wells.
172	Force Main Assessment Rehab/Replace (AMP)		\$0	\$2,500,000	\$53,000,000	\$55,500,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
189	Valve Exercise and Replacement (AMP)		\$1,500,000	\$1,500,000	\$6,000,000	\$9,000,000	Annual		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
203	Richardson WTP Raw Water Bio-growth Elimination		\$0	\$5,000,000	\$0	\$5,000,000	2027		Future Operating Budget Decrease	This project reduces significant on going operational costs due to frequent cartridge filter replacements.
206	City of Wilmington Stormwater and Transportation ILA's		\$0	\$2,500,000	\$0	\$2,500,000	2027		Future Operating Budget Decrease	This project replaces existing infrastructure with remaining life cycle. Long-term efficiency gains are expected but cannot yet be quantified.
207	Bayshore Water Main		\$6,200,000	\$3,000,000	\$0	\$9,200,000	2028		Future Operating Budget Decrease	This project mitigates opportunities for bio growth, reducing operational costs.
208	Northside WWTP Blowers		\$0	\$2,000,000	\$0	\$2,000,000	2027		Future Operating Budget Decrease	This project rehabilitates existing infrastructure that is at the end of its lifecycle. Long term efficiency gains are expected but cannot yet be quantified.
209	Crooked Pine Road Water Main		\$0	\$1,500,000	\$0	\$1,500,000	2026		Future Operating Budget Increase	Revenues from any new customers expected to be offset by increased operating cost of new infrastructure.
	TOTAL CAPITAL IMPROVEMENT PROJECTS		\$375,498,593	\$210,712,000	\$330,846,000	\$917,056,593				

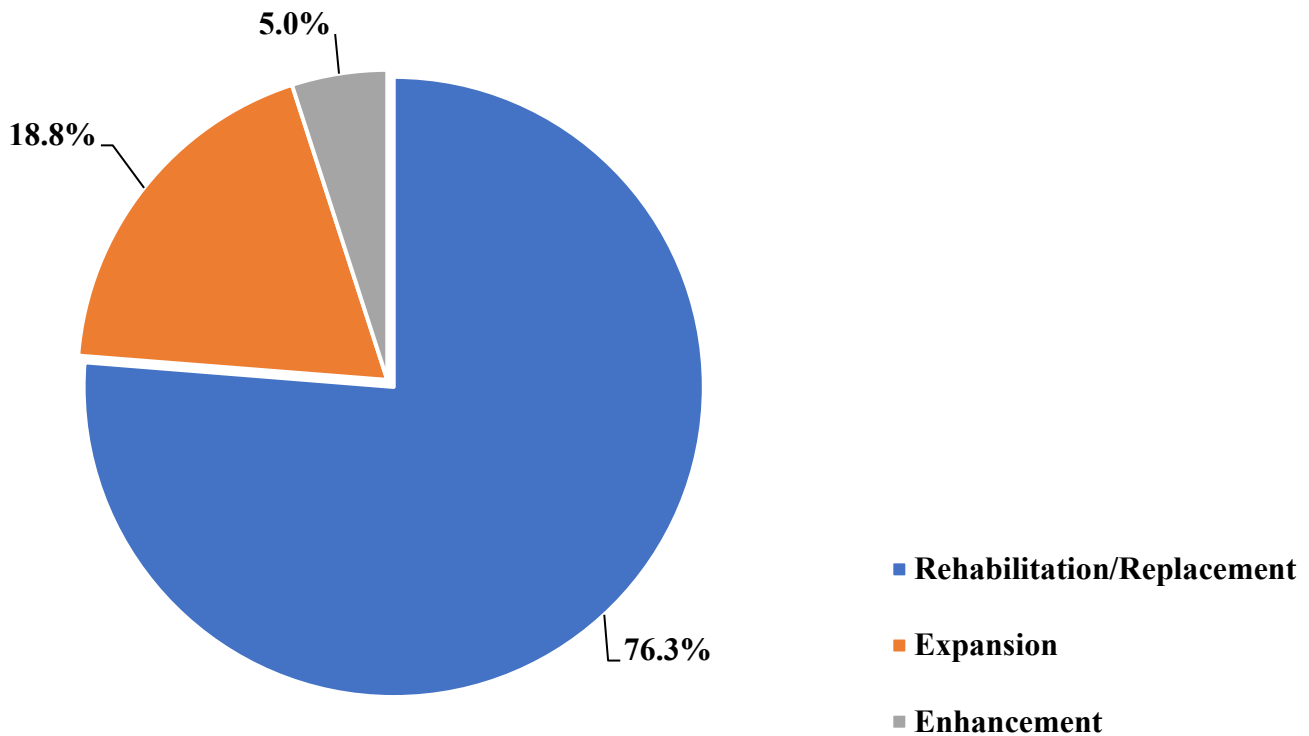
*These growth projects will have substantial capital cost recovery from new customers or other stakeholders. The entire project amount is programmed to allow construction prior to cost recovery.

Appendix B
Proposed Ten Year
FY-2026 to FY-2035
Capital Improvement
Plan

10-Year CIP Distribution By Project Type

Project Type	Percent	Ten Year Investment	No. of Projects
Rehabilitation/Replacement	76.3%	\$466,798,000	27
Expansion	18.8%	\$114,830,000	14
Enhancement	5.0%	\$30,500,000	3
Total	100%	\$612,128,000	44

10-Year CIP Project Distribution by Type



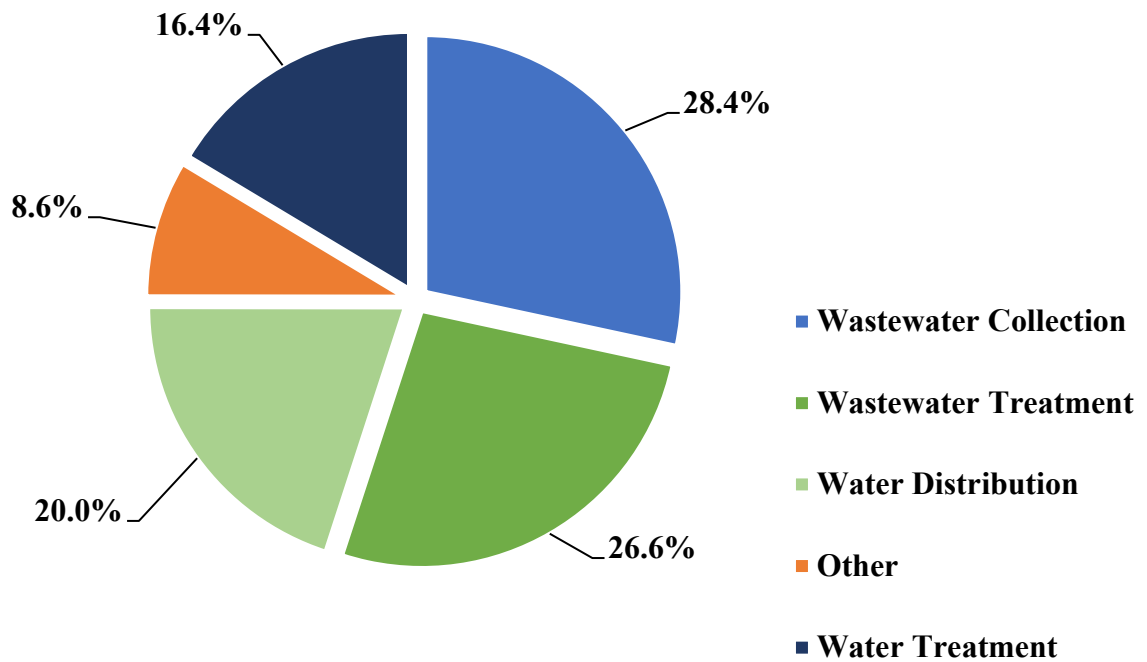
Categories:

- 1) Projects that "Rehab or Replace Assets" are the majority of the capital budget in FY-2026. These projects generally increase the life of an existing asset or replace an existing asset which is at or beyond its expected life cycle.
- 2) "Enhancement" projects tend to improve efficiency by reducing long term costs or increase readiness.
- 3) "Expansion" projects add customers as growth.

10-Year CIP Distribution By Project Area

Project Area	Percent	Ten Year Investment	No. of Projects
Wastewater Collection	28.4%	\$173,665,000	11
Wastewater Treatment	26.6%	\$163,000,000	2
Water Distribution	20.0%	\$122,338,000	14
Other	8.6%	\$52,835,000	9
Water Treatment	16.4%	\$100,290,000	8
Total	100%	\$612,128,000	44

10-Year CIP Project Distribution by Area



WATER: Projected 10 Year Capital Improvements Plan																
Ref. #	FY-2026 to FY-2035 CIP	Funding Source	Current Project #	Amount Budgeted Prior to FY-26	Project Balance Feb 1, 2026	FY-26 to FY-35 Planned	FY-26 Planned	FY-27 Planned	FY-28 Planned	FY-29 Planned	FY-30 Planned	FY-31 Planned	FY-32 Planned	FY-33 Planned	FY-34 Planned	FY-35 Planned
	Water Capital Improvement Projects	All dollar amounts are shown in 2025 dollars														
Raw Water Improvements: Surface or Well Sources and Transmission																
138	Groundwater Well Rehabilitation (AMP)	1	20W009	\$3,259,733	\$1,810,748	\$2,420,000	\$200,000	\$200,000	\$200,000	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000
152	Kings Bluff Intake Canal Dredging and Rehabilitation	1	22W004	\$246,487	\$150,000	\$820,000	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$520,000	\$0	\$0
200	48-Inch CFPUA Raw Water Main (Grant Contingent)	7		\$0	\$0	\$20,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,200,000	\$0	\$0	\$0
Water Treatment Plant Improvements																
122	Richardson WTP 3 MGD Expansion	2	16W210	\$5,325,599	\$1,539,762	\$50,750,000	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$50,000,000	\$0
132	Sweeney WTP Filters 1-4 Rehabilitation Plus Media Exchange	1		\$0	\$0	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
133	Sweeney Generators #1 and #2 Replacement	2		\$0	\$0	\$10,500,000	\$10,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
139	Richardson Concentrate Treatment	2	22W003	\$7,550,000	\$770,465	\$10,000,000	\$0	\$0	\$0	\$10,000,000	\$0	\$0	\$0	\$0	\$0	\$0
203	Richardson WTP Raw Water Bio-growth Elimination	1		\$0	\$0	\$5,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Storage Improvements: Elevated, Ground and Aquifer Storage																
53	Elevated Tank Rehabilitation and Coatings	1	18W002	\$3,340,000	\$801,266	\$6,568,000	\$120,000	\$120,000	\$270,000	\$1,690,000	\$1,092,000	\$910,000	\$611,000	\$585,000	\$585,000	\$585,000
157	Sweeney 4 MGD and 12 MGD Clearwell Rehab (AMP)	1	24W001	\$500,000	\$0	\$650,000	\$0	\$0	\$0	\$0	\$650,000	\$0	\$0	\$0	\$0	\$0
Distribution System Upgrades and Rehabilitation																
27	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	2	17W244	\$6,500,000	\$2,694,436	\$85,750,000	\$2,842,000	\$2,842,000	\$2,842,000	\$2,842,000	\$2,842,000	\$9,620,000	\$15,480,000	\$15,480,000	\$15,480,000	\$15,480,000
57	Water Emergency Repair	1	16W223	\$1,500,000	\$623,375	\$3,025,000	\$250,000	\$250,000	\$250,000	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000
94	Water Distribution Main Enhancements	1	18W005	\$1,550,000	\$0	\$300,000	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
134	Large Water Meter Vault Replacement (AMP)	1	20W002	\$2,000,000	\$297,286	\$3,630,000	\$300,000	\$300,000	\$300,000	\$390,000	\$390,000	\$390,000	\$390,000	\$390,000	\$390,000	\$390,000
150	Large Meter Testing and Replacement (AMP)	1	21W008	\$1,300,000	\$404,291	\$3,000,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
153	Water System Master Plan	1	22W005	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0
189	Valve Exercise and Replacement (AMP)	1		\$1,500,000	\$0	\$7,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$0	\$0	\$0	\$0
Water Growth Projects																
39	Distribution System - Standard Developer Agreements	1	17W248	\$900,000	\$310,994	\$1,815,000	\$150,000	\$150,000	\$150,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000
155	South Castle Hayne Road Water Main	2	23W004	\$11,345,000	\$10,682,946	\$3,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
163	River Road Booster Pump Station and Interconnections	2	23W003	\$18,000,000	\$16,762,132	\$2,300,000	\$2,300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
207	Bayshore Water Main	2		\$6,200,000	\$0	\$3,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
209	Crooked Pine Road Water Main	5		\$0	\$0	\$1,500,000	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Water Capital Improvement Projects					\$36,847,701	\$222,628,000	\$31,812,000	\$6,212,000	\$6,362,000	\$17,502,000	\$7,554,000	\$12,300,000	\$37,761,000	\$18,055,000	\$67,535,000	\$17,535,000
Total Wastewater Capital Improvement Projects					\$297,286	\$336,665,000	\$172,150,000	\$9,150,000	\$11,650,000	\$15,145,000	\$15,645,000	\$18,345,000	\$46,645,000	\$17,645,000	\$15,145,000	\$15,145,000
Total System Wide Capital Improvement Projects					\$5,219,336	\$52,835,000	\$6,750,000	\$4,250,000	\$4,695,000	\$5,320,000	\$5,720,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000
Proposed Total Capital Improvement Projects					\$42,364,323	\$612,128,000	\$210,712,000	\$19,612,000	\$22,707,000	\$37,967,000	\$28,919,000	\$35,865,000	\$89,626,000	\$40,920,000	\$87,900,000	\$37,900,000
Funding Source																
1	Pay-go Transfers						\$8,420,000	\$3,120,000	\$3,270,000	\$4,660,000	\$4,712,000	\$2,680,000	\$2,081,000	\$2,575,000	\$2,055,000	\$2,055,000
2	Bond Proceeds						\$21,892,000	\$3,092,000	\$3,092,000	\$12,842,000	\$2,842,000	\$9,620,000	\$15,480,000	\$15,480,000	\$65,480,000	\$15,480,000
3	EPA Grants						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	SRF Loan Proceeds						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Contributions from Others						\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Capital Reserves						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Grant Funding						\$0	\$0	\$0	\$0	\$0	\$0	\$20,200,000	\$0	\$0	\$0
8	Bond Proceeds and 25 Million SRF						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL WATER					\$222,628,000	\$31,812,000	\$6,212,000	\$6,362,000	\$17,502,000	\$7,554,000	\$12,300,000	\$37,761,000	\$18,055,000	\$67,535,000	\$17,535,000
Sum of All: Water, Waste Water and System Wide																
1	Pay-go Transfers						\$23,820,000	\$14,020,000	\$14,615,000	\$18,625,000	\$19,577,000	\$16,545,000	\$15,946,000	\$18,940,000	\$15,920,000	\$15,920,000
2	Bond Proceeds						\$185,392,000	\$5,592,000	\$8,092,000	\$19,342,000	\$9,342,000	\$16,720,000	\$33,980,000	\$21,980,000	\$71,980,000	\$21,980,000
3	EPA Grants						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	SRF Loan Proceeds						\$0	\$0	\$0	\$0	\$0	\$2,600,000	\$19,500,000	\$0	\$0	\$0
5	Contributions from Others						\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Capital Reserves						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Grant Funding						\$0	\$0	\$0	\$0	\$0	\$0	\$20,200,000	\$0	\$0	\$0
8	Bond Proceeds and 25 Million SRF						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL					\$612,128,000	\$210,712,000	\$19,612,000	\$22,707,000	\$37,967,000	\$28,919,000	\$35,865,000	\$89,626,000	\$40,920,000	\$87,900,000	\$37,900,000

WASTE WATER: Projected 10 Year Capital Improvements Plan

Ref. #	FY-2026 to FY-2035 CIP	Funding Source	Current Project #	Amount Budgeted Prior to FY-26	Project Balance Feb 1, 2026	FY-26 to FY-35 Planned	FY-26 Planned	FY-27 Planned	FY-28 Planned	FY-29 Planned	FY-30 Planned	FY-31 Planned	FY-32 Planned	FY-33 Planned	FY-34 Planned	FY-35 Planned
	Wastewater Capital Improvement Projects	All dollar amounts are shown in 2025 dollars														
Waste Water Treatment Plant Improvements																
151	Southside WWTP - Rehab/Replace and Capacity Upgrade	2,4	23S019	\$254,920,261	\$323,193,063	\$161,000,000	\$161,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
208	Northside WWTP Blowers	1		\$0	\$0	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Collection System Rehabilitation/Replacement																
1	Sewer Emergency Repair	1	17S393	\$18,000,000	\$334	\$6,050,000	\$500,000	\$500,000	\$500,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000
4	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	1	17S394	\$14,200,000	\$2,876,124	\$60,500,000	\$5,000,000	\$5,000,000	\$5,000,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000
172	Force Main Assessment Rehab/Replace (AMP)	2		\$0	\$0	\$55,500,000	\$2,500,000	\$2,500,000	\$5,000,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000	\$6,500,000
Pump Station & Force main Improvements																
126	Pump Stations Prioritization and Rehabilitation	1	22S001	\$4,000,000	\$578,193	\$12,100,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
144	PS-12 Cowan Street Pump Station Rehab/Replace	2		\$0	\$0	\$7,600,000	\$0	\$0	\$0	\$0	\$0	\$600,000	\$7,000,000	\$0	\$0	\$0
173	PS-34 Hewlett's Creek NEI FM to Southside WWTP Rehabilitation	4		\$0	\$0	\$10,400,000	\$0	\$0	\$0	\$0	\$0	\$1,300,000	\$9,100,000	\$0	\$0	\$0
174	PS-14 Greenfield Lake Rehabilitation	4		\$0	\$0	\$11,700,000	\$0	\$0	\$0	\$0	\$0	\$1,300,000	\$10,400,000	\$0	\$0	\$0
Sewer Growth Projects																
38	Collection System - Standard Developer Agreements	1	17S399	\$900,000	\$629,613	\$1,815,000	\$150,000	\$150,000	\$150,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000
146	Wastewater Master Plan	1	21S013	\$300,000	\$53,450	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0
196	PS-34 Hewlett's Creek Capacity Increase	2		\$0	\$0	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$0	\$0
202	PS-135 Kirkland Pump Station Replacement	1		\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500,000	\$0	\$0
Total Wastewater Capital Improvement Projects					\$297,286	\$336,665,000	\$172,150,000	\$9,150,000	\$11,650,000	\$15,145,000	\$15,645,000	\$18,345,000	\$46,645,000	\$17,645,000	\$15,145,000	\$15,145,000
Total Water Capital Improvement Projects					\$404,291	\$222,628,000	\$31,812,000	\$6,212,000	\$6,362,000	\$17,502,000	\$7,554,000	\$12,300,000	\$37,761,000	\$18,055,000	\$67,535,000	\$17,535,000
Total System Wide Capital Improvement Projects					\$5,219,336	\$52,835,000	\$6,750,000	\$4,250,000	\$4,695,000	\$5,320,000	\$5,720,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000
Proposed Total Capital Improvement Projects					\$42,364,323	\$612,128,000	\$210,712,000	\$19,612,000	\$22,707,000	\$37,967,000	\$28,919,000	\$35,865,000	\$89,626,000	\$40,920,000	\$87,900,000	\$37,900,000

Funding Source																
1	Pay-go Transfers						\$8,650,000	\$6,650,000	\$6,650,000	\$8,645,000	\$9,145,000	\$8,645,000	\$8,645,000	\$11,145,000	\$8,645,000	\$8,645,000
2	Bond Proceeds						\$163,500,000	\$2,500,000	\$5,000,000	\$6,500,000	\$6,500,000	\$7,100,000	\$18,500,000	\$6,500,000	\$6,500,000	\$6,500,000
3	EPA Grants						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	SRF Loan Proceeds						\$0	\$0	\$0	\$0	\$0	\$2,600,000	\$19,500,000	\$0	\$0	\$0
5	Contributions from Others						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Capital Reserves						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Grant Funding						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Bond Proceeds and 25 Million SRF						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL WASTEWATER					\$336,665,000	\$172,150,000	\$9,150,000	\$11,650,000	\$15,145,000	\$15,645,000	\$18,345,000	\$46,645,000	\$17,645,000	\$15,145,000	\$15,145,000

SYSTEM WIDE: Projected 10 Year Capital Improvements Plan

Ref. #	FY-2026 to FY-2035 CIP	Funding Source	Current Project #	Amount Budgeted Prior to FY-26	Project Balance Feb 1, 2026	FY-26 to FY-35 Planned	FY-26 Planned	FY-27 Planned	FY-28 Planned	FY-29 Planned	FY-30 Planned	FY-31 Planned	FY-32 Planned	FY-33 Planned	FY-34 Planned	FY-35 Planned
	System Wide Capital Improvement Projects	All dollar amounts are shown in 2025 dollars														
Systemwide projects for both Water and Wastewater																
30	Information Technology Networking Infrastructure Replacement	1	16A007	\$1,830,000	\$1,810,748	\$1,860,000	\$150,000	\$150,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000	\$195,000
34	Motor Fleet Capital	1	17A013	\$5,978,000	\$375,495	\$13,000,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
40	OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)	1	17A012	\$5,500,000	\$348,089	\$12,400,000	\$1,000,000	\$1,000,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
110	Generator Rehab and Replacement Program (AMP)	1	18A001	\$2,700,000	\$1,216,118	\$6,050,000	\$500,000	\$500,000	\$500,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000
114	IT SCADA & Security	1	19A001	\$5,286,099	\$607,508	\$9,075,000	\$750,000	\$750,000	\$750,000	\$975,000	\$975,000	\$975,000	\$975,000	\$975,000	\$975,000	\$975,000
136	Facilities Structural, Architectural, and Roof Rehab/Replace (AMP)	1	20A001	\$1,500,000	\$861,378	\$5,850,000	\$400,000	\$400,000	\$500,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000
147	New Water and Sewer Service Installation	1		\$1,100,000	\$0	\$1,500,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
201	Field Services Office Building	1		\$1,100,000	\$0	\$600,000	\$0	\$0	\$0	\$100,000	\$500,000	\$0	\$0	\$0	\$0	\$0
206	City of Wilmington Stormwater and Transportation ILA's	1		\$0	\$0	\$2,500,000	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total System Wide Capital Improvement Projects					\$5,219,336	\$52,835,000	\$6,750,000	\$4,250,000	\$4,695,000	\$5,320,000	\$5,720,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000
Total Water Capital Improvement Projects					\$801,266	\$222,628,000	\$31,812,000	\$6,212,000	\$6,362,000	\$17,502,000	\$7,554,000	\$12,300,000	\$37,761,000	\$18,055,000	\$67,535,000	\$17,535,000
Total Wastewater Capital Improvement Projects				500000	\$297,286	\$336,665,000	\$172,150,000	\$9,150,000	\$11,650,000	\$15,145,000	\$15,645,000	\$18,345,000	\$46,645,000	\$17,645,000	\$15,145,000	\$15,145,000
Proposed Total Capital Improvement Projects					\$42,364,323	\$612,128,000	\$210,712,000	\$19,612,000	\$22,707,000	\$37,967,000	\$28,919,000	\$35,865,000	\$89,626,000	\$40,920,000	\$87,900,000	\$37,900,000

Funding Source																
1	Pay-go Transfers						\$6,750,000	\$4,250,000	\$4,695,000	\$5,320,000	\$5,720,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000
2	Bond Proceeds						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	EPA Grants						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	SRF Loan Proceeds						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Contributions from Others						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Capital Reserves						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Grant Funding						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Bond Proceeds and 25 Million SRF						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL SYSTEM WIDE						\$52,835,000	\$6,750,000	\$4,250,000	\$4,695,000	\$5,320,000	\$5,720,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000	\$5,220,000

Ten Year CIP Highest to Lowest Planned Project Cost Sort

Reference Number	FY-2026 to FY-2035 CIP	Ten Year Total	Percentage of Total Budget	Running Cumulative Total Budget Percentage	Project Type	Project Area
151	Southside WWTP - Rehab/Replace and Capacity Upgrade	\$161,000,000	26.30%	26.30%	Expansion	Wastewater Treatment
27	Find It, Fix It Methodology Water Main, Services and Valve Rehab/Replace (AMP)	\$85,750,000	14.01%	40.31%	Rehab or Replace Assets	Water Distribution
4	Find It, Fix It Methodology Sewer Collection Rehabilitation (AMP)	\$60,500,000	9.88%	50.19%	Rehab or Replace Assets	Wastewater Collection
172	Force Main Assessment Rehab/Replace (AMP)	\$55,500,000	9.07%	59.26%	Rehab or Replace Assets	Wastewater Collection
122	Richardson WTP 3 MGD Expansion	\$50,750,000	8.29%	67.55%	Expansion	Water Treatment
200	48-Inch CFPUA Raw Water Main (Grant Contingent)	\$20,200,000	3.30%	70.85%	Enhancement	Water Treatment
34	Motor Fleet Capital	\$13,000,000	2.12%	72.97%	Rehab or Replace Assets	Other
40	OPS Large Equipment Purchases (Pumps, Plant Equipment, HVAC)	\$12,400,000	2.03%	75.00%	Rehab or Replace Assets	Other
126	Pump Stations Prioritization and Rehabilitation	\$12,100,000	1.98%	76.98%	Rehab or Replace Assets	Wastewater Collection
174	PS-14 Greenfield Lake Rehabilitation	\$11,700,000	1.91%	78.89%	Rehab or Replace Assets	Wastewater Collection
133	Sweeney Generators #1 and #2 Replacement	\$10,500,000	1.72%	80.60%	Rehab or Replace Assets	Water Treatment
173	PS-34 Hewlett's Creek NEI FM to Southside WWTP Rehabilitation	\$10,400,000	1.70%	82.30%	Rehab or Replace Assets	Wastewater Collection
139	Richardson Concentrate Treatment	\$10,000,000	1.63%	83.94%	Enhancement	Water Treatment
114	IT SCADA and Security	\$9,075,000	1.48%	85.42%	Rehab or Replace Assets	Other
144	PS-12 Cowan Street Pump Station Rehab/Replace	\$7,600,000	1.24%	86.66%	Rehab or Replace Assets	Wastewater Collection
189	Valve Exercise and Replacement (AMP)	\$7,500,000	1.23%	87.89%	Rehab or Replace Assets	Water Distribution
53	Elevated Tank Rehabilitation and Coatings	\$6,568,000	1.07%	88.96%	Rehab or Replace Assets	Water Distribution
110	Generator Rehab and Replacement Program (AMP)	\$6,050,000	0.99%	89.95%	Rehab or Replace Assets	Other
1	Sewer Emergency Repair	\$6,050,000	0.99%	90.94%	Rehab or Replace Assets	Wastewater Collection
136	Facilities Structural, Architectural, and Roof Rehab/Replace (AMP)	\$5,850,000	0.96%	91.89%	Rehab or Replace Assets	Other
203	Richardson WTP Raw Water Bio-growth Elimination	\$5,000,000	0.82%	92.71%	Rehab or Replace Assets	Water Treatment
196	PS-34 Hewlett's Creek Capacity Increase	\$5,000,000	0.82%	93.53%	Expansion	Wastewater Collection
134	Large Water Meter Vault Replacement (AMP)	\$3,630,000	0.59%	94.12%	Rehab or Replace Assets	Water Distribution
57	Water Emergency Repair	\$3,025,000	0.49%	94.61%	Rehab or Replace Assets	Water Distribution

Reference Number	FY-2026 to FY-2035 CIP	Ten Year Total	Percentage of Total Budget	Running Cumulative Total Budget Percentage	Project Type	Project Area
150	Large Meter Testing and Replacement (AMP)	\$3,000,000	0.49%	95.10%	Rehab or Replace Assets	Water Distribution
207	Bayshore Water Main	\$3,000,000	0.49%	95.59%	Expansion	Water Distribution
155	South Castle Hayne Road Water Main	\$3,000,000	0.49%	96.08%	Expansion	Water Distribution
202	PS-135 Kirkland Pump Station Replacement	\$2,500,000	0.41%	96.49%	Rehab or Replace Assets	Wastewater Collection
206	City of Wilmington Stormwater and Transportation ILA's	\$2,500,000	0.41%	96.90%	Expansion	Other
138	Groundwater Well Rehabilitation (AMP)	\$2,420,000	0.40%	97.29%	Rehab or Replace Assets	Water Treatment
163	River Road Booster Pump Station and Interconnections	\$2,300,000	0.38%	97.67%	Expansion	Water Distribution
208	Northside WWTP Blowers	\$2,000,000	0.33%	98.00%	Rehab or Replace Assets	Water Treatment
30	Information Technology Networking Infrastructure Replacement	\$1,860,000	0.30%	98.30%	Rehab or Replace Assets	Other
38	Collection System - Standard Developer Agreements	\$1,815,000	0.30%	98.60%	Expansion	Wastewater Collection
39	Distribution System - Standard Developer Agreements	\$1,815,000	0.30%	98.89%	Expansion	Water Distribution
147	New Water and Sewer Service Installation	\$1,500,000	0.25%	99.14%	Expansion	Other
209	Crooked Pine Road Water Main	\$1,500,000	0.25%	99.38%	Expansion	Water Distribution
152	Kings Bluff Intake Canal Dredging and Rehabilitation	\$820,000	0.13%	99.52%	Rehab or Replace Assets	Water Treatment
157	Sweeney 4 MGD and 12 MGD Clearwell Rehab (AMP)	\$650,000	0.11%	99.62%	Rehab or Replace Assets	Water Treatment
132	Sweeney WTP Filters 1-4 Rehabilitation Plus Media Exchange	\$600,000	0.10%	99.72%	Rehab or Replace Assets	Water Treatment
201	Field Services Office Building	\$600,000	0.10%	99.82%	Expansion	Other
146	Wastewater Master Plan	\$500,000	0.08%	99.90%	Expansion	Wastewater Collection
94	Water Distribution Main Enhancements	\$300,000	0.05%	99.95%	Enhancement	Water Distribution
153	Water System Master Plan	\$300,000	0.05%	100.00%	Expansion	Water Distribution
Total		\$612,128,000				

*These growth projects will have substantial capital cost recovery from new customers or other stakeholders. The entire project amount is programmed to allow construction prior to cost recovery.