NARRAGANSETT BAY COMMISSION
RHODE ISLAND

FY 2027 CAPITAL BUDGET

LAURIE HORRIDGE
EXECUTIVE DIRECTOR

VINCENT J. MESOLELLA
CHAIRMAN

CAPITAL BUDGET
Table of Contents

Capital Budget

NBC's Capital Budget includes the Operating Capital Program (OCP) and the Capital Improvement Program (CIP). The FY 2027 Capital Budget is $118.9 million, which is $52.5 million or 69.4% lower than the prior year.

	FY 2025 Actual	FY 2026 Budget	FY 2027 Budget	Budgeted Difference
Sources of Funds				
OCA* - Restricted CIP	$ 12,941,533	$ 22,544,341	$ 17,482,660	$ (5,061,681)
OCA* - Restricted OCP	4,538,663	5,170,500	6,100,050	929,550
2023 Series A (RIIB)	12,897,439	-	-	-
2024 Series A (RIIB)	71,838,885	-	-	-
2025 Series A (RIIB)	24,697,540	56,325,129	-	(56,325,129)
2026 Series A (RIIB)	-	26,378,277	8,077,692	(18,300,585)
2027 Series A (RIIB)	-	-	64,395,378	64,395,378
2020 Series C (WIFIA 2)	1,103,352	48,719,100	-	(48,719,100)
2022 Series A (WIFIA 3)	4,850,276	12,307,384	22,860,950	10,553,566
Total Source of Funds	**$ 132,867,687**	**$ 171,444,731**	**$ 118,916,730**	**$ (52,528,001)**
Uses of Funds				
Operating Capital	$ 4,538,663	$ 5,170,500	$ 6,100,050	$ 929,550
Capital Improvement	128,281,274	166,010,184	111,590,680	(54,419,504)
Cost of Issuance/Other	47,750	264,047	1,226,000	961,953
Total Use of Funds	**$ 132,867,687**	**$ 171,444,731**	**$ 118,916,730**	**$ (52,528,001)**

*Operating Capital Account

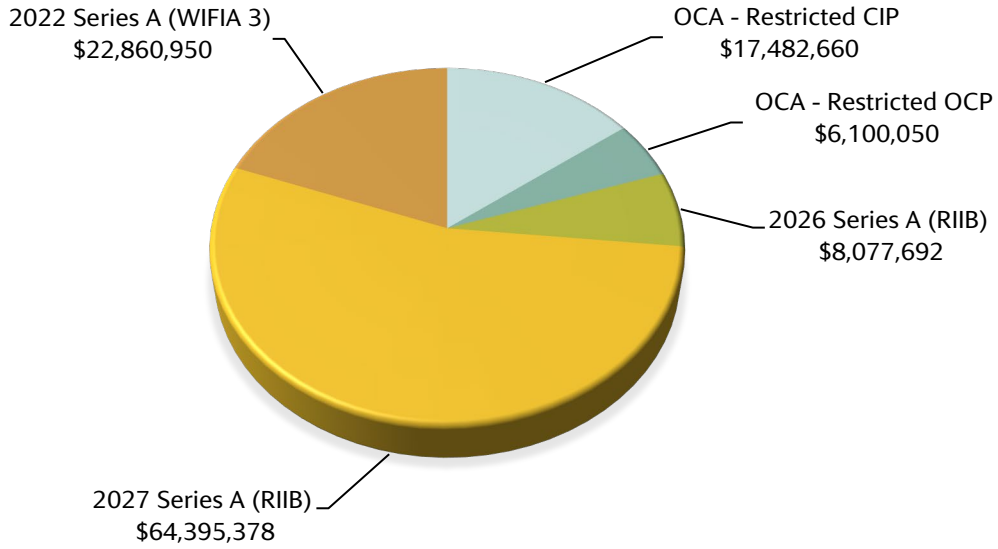
The CIP and OCP identify capital expenditures in the current budget year and the subsequent five years and are developed within the context of the Strategic Plan's short-term and long-term goals. NBC staff identify capital needs based on the Asset Management Program (AMP) as well as system and facility inspections. In addition, NBC engineers and scientists identify improvements that may be required to meet new permit requirements, such as more stringent discharge limits and consent agreements. Additional capital needs, such as improvements to Information Technology hardware and software, are also identified as new technologies become available.

Items identified for inclusion in the Capital Budget must meet NBC's criteria to be considered an asset. NBC's asset criteria are further discussed in the OCP portion of this document. In general, assets that are to be purchased and installed by NBC staff within the fiscal year are included in the OCP. The highest priority items are included in the budget year, with the remaining assets programmed into subsequent years. The CIP includes major capital investments that are typically larger, more intricate, and more expensive, with timelines extending across multiple years. Most CIP items require outside consultants to assist with the planning, design, and construction. The projects identified in the CIP are assigned priority codes and funding is allocated accordingly.

The CIP is financed primarily through long-term debt. NBC funds the CIP with interest-subsidized loans from the Rhode Island Infrastructure Bank (RIIB) (also referred to as State Revolving Fund (SRF) loans). NBC has also financed the CIP through the Water Infrastructure Financing Innovation Act (WIFIA) program administered by the United States Environmental Protection Agency (USEPA), which provides long-term low-cost credit assistance for up to 49% of eligible project costs. NBC may also issue taxable and tax-exempt revenue bonds to meet capital needs. In addition, the Operating Budget line item "Transfer to Project Fund" is used in the subsequent fiscal year to cash fund the OCP and CIP. Funds in the Grant and Projects Reimbursements Account in the Project Fund are also used to fund the CIP. Debt service for CIP financing is reflected in the Operating Budget.

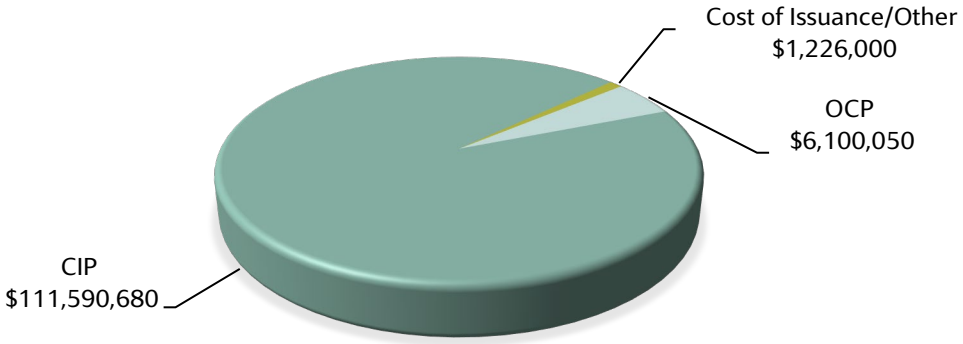
In FY 2027, the primary programmed funding source is from existing and new RIIB loans totaling $72.5 million. NBC also plans to fund $22.9 million in existing WIFIA proceeds, along with $23.6 million from the Operating Capital Account (OCA) – Restricted CIP and OCP.

Sources of Funds



The FY 2027 CIP is $111.6 million or 93.8% of the total capital budget funds. The OCP is $6.1 million or 5.1% of the capital budget expense followed by $1.2 million for Cost of Issuance/Other at 1.0%. The following chart illustrates the capital funding uses by type.

Uses of Funds



Operating Capital Program (OCP)

The FY 2027 OCP is $6.1 million, and from FY 2028 to FY 2032, $21.5 million is programmed. The majority, 74.2%, is to support the Operations and Maintenance Division. Please refer to the OCP Overview tabs in this document for more information on the OCP, including the program overview, six-year plan for FY 2027-2032, and FY 2027 budget details.

Operating Capital Program by Division

Division Cost Center		Fiscal Year 2027	Fiscal Years 2028-2032
Administration			
Administration		$ 38,000	$ 45,000
Information Technology		681,500	1,485,000
	Subtotal	719,500	1,530,000
Engineering and Construction			
Construction Services		-	190,000
Engineering		297,000	325,000
	Subtotal	297,000	515,000
Finance			
Finance		71,250	-
Customer Care		93,100	370,001
	Subtotal	164,350	370,001
Operations and Maintenance			
Interceptor Maintenance		570,000	2,002,500
Operation and Maintenance Services		133,000	-
Field's Point		1,877,725	6,584,000
Bucklin Point		1,782,725	7,369,000
	Subtotal	4,363,450	15,955,500
Environmental Science and Compliance			
Pretreatment		-	135,000
Laboratory		418,000	2,281,000
Environmental Monitoring		137,750	719,500
	Subtotal	555,750	3,135,500
	Total	**$ 6,100,050**	**$ 21,506,001**

Capital Improvement Program Overview (CIP)

The table on the following page shows the CIP by functional area. From FY 2027 to FY 2032, the CIP is $454.7 million with $111.6 million programmed in FY 2027 and $343.1 million programmed in FY 2028 – FY 2032. Approximately 26.3% of the CIP is for the CSO Phase III Facilities, including $45.3 million for the CSO Phase III B Facilities, and 36.5% is for the WWTF Improvements. Please refer to the CIP tabs in this document for more information on the CIP, the individual projects, and the projected operating budget impact of these improvements.

Capital Improvement Program by Functional Area

(In Thousands)

Project Number	Project Name		Fiscal Year 2027	Fiscal Years 2028-2032
Wastewater Treatment Facilities Improvements				
20000	WWTF Improvements		$ -	$ -
20700	Long-Range Regional Biosolids Disposal		341	2,218
20701	Biosolids Management Facility Upgrades		3,780	100,679
20801	Data Communications Upgrades and WWTF Network Improvements		3,450	15,339
20900	FPWWTF Wet Weather Clarifier Facility Improvements		782	4,336
21000	FPWWTF CSO Tunnel System Improvements		853	128
21100	Miscellaneous HVAC Improvements		958	65
24000	NBC Facility Electrical Improvements		178	-
81701	BPWWTF Service Building Demolition		376	2,606
81800	BPWWTF Sludge Digestion Facility Improvements		372	-
92000	Stormwater Education Resource Center		250	-
		Subtotal	11,339	125,371
Bucklin Point Resiliency Improvements				
81000	BPWWTF UV Disinfection Improvements		579	-
81600	BPWWTF Improvements		1,570	3,587
		Subtotal	2,149	3,587
Field's Point Resiliency Improvements				
20300	FPWWTF Improvements		10,309	18,895
20400	FPWWTF Ernest Street Pump Station Improvements		6,204	19,403
20500	FPWWTF Maintenance and Storage Buildings		1,530	26,487
40101	FPWWTF Electrical Improvements		996	10,076
71000	Lincoln Septage Receiving Station Replacement		4,874	2,328
		Subtotal	23,912	77,189
Infrastructure Management				
1140600	RIPDES Compliance Improvements		597	320
1140700	PFAS Testing and Monitoring		90	719
1140900	Water Quality Model Validation and Enhancement		34	39
1150100	PFAS Compounds Testing Equipment		1,455	-
30700	NBC System-wide Facilities Planning		717	1,053
40200	NBC System-wide Inflow Reduction		-	1,690
40300	Municipal Lateral Sewer Acquisition Impact		36	582
40600	Asset Management Program Support Services		1,425	230
40700	Enterprise Resource Planning (ERP) System Replacement		26	887
40800	WWTF Process Model and Simulator Development		489	154
		Subtotal	4,868	5,671
CSO Phase III Facilities				
30800	CSO Phase III A Facilities - Design and Construction Program Management		6,681	7,467
30801	CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station Shaft		-	-
30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out		28,310	23,734
30804	CSO Phase III A Facilities - OF 210, 213, 214		22,811	13,757
30810	CSO Phase III A Facilities - BPWWTF Clarifiers and Flow Splitters		3,783	-
30830	CSO Phase III B Facilities		-	45,293
		Subtotal	61,584	90,252
Sewer System Improvements				
12400	Interceptor Maintenance Building		-	5,851
30500	NBC Interceptor Easements Restoration, Various Locations		-	1,578
30610	NBC System-wide Regulator Modifications		1,448	149
70900	Omega Pump Station Improvements		858	8,083
72000	Resevoir Ave Pump Station Improvements		2,700	1,860
72100	Saylesville Pump Station Improvements		650	8,560
		Subtotal	5,657	26,082
Interceptor Cleaning/Restoration and Construction				
30400M	Interceptor Inspection and Cleaning Projects		500	2,500
30400C	Interceptor Restoration and Construction		-	2,040
30315	Woonasquatucket CSO OF 046 Improvements		36	3,838
30421	Louisquisset Pike Interceptor Improvements		-	6,261
30468	Improvements to Interceptors		1,010	-
30469	Branch Avenue Interceptor Improvements		451	309
30490	CSO OF 018 Improvements		84	-
		Subtotal	2,081	14,948
		Total	**$ 111,592**	**$ 343,100**

Operating Capital Program

NBC's Operating Capital Program (OCP) identifies programmed asset purchases for the current budget year and the subsequent five years. The OCP is primarily based on information from NBC's Asset Management Program (AMP) and includes new assets, asset replacements, asset renovations, and improvements. Examples of these assets include pumps, tanks, actuators, bar racks, and testing equipment.

Other operating capital items are identified through facility inspections and established programmatic priorities. Examples of these assets include fleet vehicles, laboratory equipment, and computer hardware and software licensing. In accordance with NBC's Capital Asset Policy, all assets must have a cost greater than $5,000 and a useful life of three years or more.

Operating Capital Program Overview

This year's OCP identifies 88 assets that are programmed for purchase in FY 2027 at a total cost of approximately $6.1 million. NBC has also programmed asset purchases in FY 2028 through FY 2032 of approximately $21.5 million for a total of $27.6 million over the six-year period. As shown in the following table, $20.3 million or 73.7% of the assets support the wastewater treatment and collection functions in the Operations and Maintenance Division.

FY 2027 – 2032
Operating Capital Program

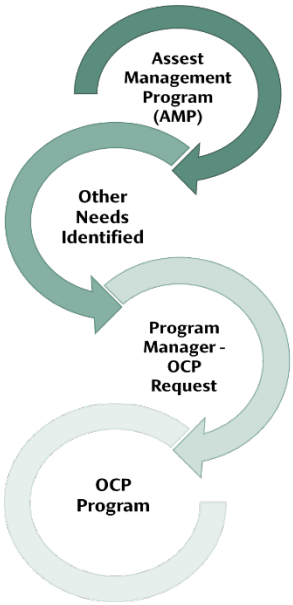
Division	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	Total FY 2027-2032
Administration	$ 719,500	$ 470,000	$ 265,000	$ 225,000	$ 300,000	$ 270,000	$ 2,249,500
Engineering and Construction	297,000	320,000	95,000	50,000	-	50,000	812,000
Finance	164,350	50,000	103,000	53,045	107,681	56,275	534,351
Operations and Maintenance	4,363,450	5,413,000	3,185,000	2,839,000	2,160,500	2,358,000	20,318,950
Environmental Science and Compliance	555,750	605,000	673,000	559,500	690,000	608,000	3,691,250
Total	**$ 6,100,050**	**$ 6,858,000**	**$ 4,321,000**	**$ 3,726,545**	**$ 3,258,181**	**$ 3,342,275**	**$ 27,606,051**

Operating Capital Program Development

NBC is committed to making investments needed to ensure continuous operation of its facilities, support services, and core business functions. To achieve this goal, NBC adopted and implemented an AMP, which is the primary source used to identify operating capital needs. The AMP is a comprehensive and detailed document maintained by the Asset Management Administrator that identifies all of NBC's assets. This includes assets acquired as part of a capital improvement project as well as assets purchased through the annual budget process.

Detailed asset information is captured in the asset management system, including the location, cost, and useful life of an asset. Each asset is assigned a criticality rating that accounts for system redundancy. NBC's computerized work order system is integrated into the AMP, ensuring that all preventive and corrective maintenance activities are captured for each asset. The asset maintenance history, along with useful life information, supports informed decisions about whether an asset should be repaired or replaced. The information in the AMP enables NBC to generate a comprehensive facilities and equipment condition analysis report that is used to identify and prioritize capital asset needs.

In addition to the AMP, new asset needs and potential replacements are identified through ongoing facilities operations and routine inspection. Investment in Information Technology assets are typically programmed to address specific needs such as refreshing employee workstations, enhancing networks and security, acquiring and implementing new or replacement software, and applications. Laboratory and sampling equipment needs are also identified through the planning process to ensure compliance with RIPDES permit or water quality sampling requirements.



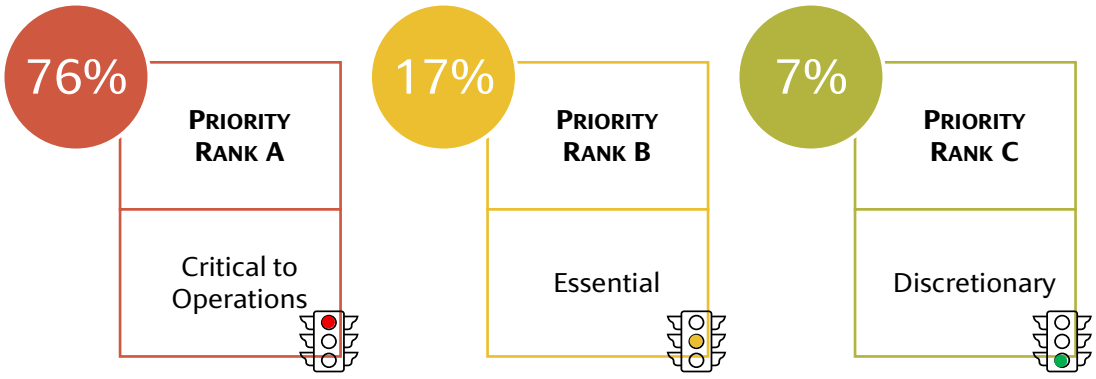
Program managers use the information from the AMP and other sources as the basis for requesting funding for operating capital assets. The OCP includes requests for the upcoming budget year as well as the subsequent five years to align with the CIP window.

With respect to the upcoming budget year, as part of the annual budget process, each cost center submits detailed operating capital requests with supporting documentation for each asset. Each request is unique and includes the asset title, description, estimated cost, location, useful life, purchase justification, and priority ranking. The request also indicates if the asset is new, a replacement, or a betterment. The requests are first reviewed by accounting to ensure that the request meets capital asset criteria. Approved requests are reviewed by Finance to ensure that the information is complete and includes documentation to support the estimated cost. New asset requests with a cost of over $50 thousand must include a cost analysis that demonstrates that the purchase of the new equipment is more cost-effective than using an outside vendor. Once the asset has been confirmed to meet the OCP criteria, the information is compiled for inclusion in the budget. Each budgeted asset is assigned a unique asset allocation number, which is referenced when the asset is purchased to ensure that it is authorized.

Capital Assets by Priority

As part of the OCP program development, each asset request is assigned a priority ranking based on an assessment of its criticality. Assets with priority ranking "A" represent items critical to NBC operations and would include implementation of new technology required for compliance and plant operations, addressing a new permit requirement, or ensuring the health and safety of NBC's work environment. Approximately 76.1% of asset requests for FY 2027 are prioritized with an "A" ranking, with a total cost of $5.2 million.

In addition, 17.0% or $609 thousand are identified with a "B" priority ranking, which includes items essential to efficient operations, such as the need for a specialized contractor and/or skilled workers to install a new asset or the availability of parts for critical equipment. Assets with a priority ranking "C" are assets needed, but not critical to ongoing operations of NBC's facilities, such as building and other structures, which represents 6.9% of the total or $291 thousand.



The OCP also reflects planned asset purchases for the subsequent five years. Although detailed information is required for all requested operating capital assets in the budget year, less specific information is needed to plan future purchases. The first-year ties into the budget year and must be accompanied by the operating capital request form discussed previously. Assets in subsequent years must include the asset title, location, a brief explanation of how the asset will be used, and justification. These requests are reviewed by Finance and are incorporated into the OCP.

Fiscal Sustainability Plan

To borrow funds through the Rhode Island Infrastructure Bank (RIIB), NBC is required to have an established Fiscal Sustainability Plan (FSP) that complies with the amendments to Titles I, II, V, and VI in the Water Resources Reform and Development Act under the Federal Water Pollution Control Act (Regulations). NBC has adopted a Fiscal Sustainability Plan Policy. The procedures developed under that policy incorporate the Asset Management Program (AMP), Capital Improvement Program (CIP), Annual Operating Budget and Operating Capital Program (OCP). These planning tools protect NBC's significant capital investments and conservation efforts and have been formally incorporated into the FSP. The AMP provides direction in developing the OCP based on the identified needs that meet the criteria set forth in NBC's Capital Asset Policy.

Operating Capital Program Guidelines

The development of the FY 2027 OCP is governed by the following:

- The operating capital policy defines operating capital items as those with costs greater than $5,000 and a minimum useful life of three years.
- The Asset Management Policy requires the identification of short-term capital needs and the development of a long-term (five-year) asset replacement program.
- The Controller must ensure that asset criteria is met and approves the capitalization of assets.

Operating Capital Program Budget Calendar

Development of the OCP Budget is as follows:

OCTOBER 2025

Budget Forms Available

DECEMBER 2025

Review submittals with respect to Asset Criteria and GL Account Code
- Asset Criteria
- GL Account Code
- New Asset Cost Comparison

Compile FY 2027-2032 OCP for Cost Center Review and Approval

JANUARY 2026

FY 2027-2032 OCP Approval from Cost Centers
Review FY 2027-2032 OCP with Division Directors
Compile OCP Schedules
Compile OCP Detail
Draft Narrative
Finalize OCP Document
Finance Committee and Board Review and Approval of OCP

Operating Capital Program Amendment Procedures

During the fiscal year, there may be a need to amend the operating capital budget to accommodate those instances in which the actual bids received for items are higher than budgeted amounts, or where the installation of a new asset requires additional resources beyond what was anticipated. In addition, changes may be required to accommodate newly identified higher priorities or emergencies. In these cases, a Division Director may request a modification to the operating capital budget. If a modification to the operating capital budget is needed, it is preferred that an entire asset is reallocated to the new item. In some cases, this is not possible, and partial reallocations are accommodated. The Chief Financial Officer may authorize changes in the operating capital budget if the total expenditure does not exceed the total amount approved for the fiscal year. Procedures for modifications to the operating capital budget during the year are as follows:

Non-Emergencies:

- Prior to purchase, the Operating Capital Reallocation Request Form is completed, signed by the Division Director, and accompanied by a vendor quote for the estimated cost.
- Request form is reviewed by the Accounting and Finance departments to determine if the item meets the criteria to be considered an asset in accordance with NBC's Capital Asset Policy.
- Request form then requires review and approval by the Chief Financial Officer.
- If approved, a new Asset Allocation number is assigned, and operating capital funding is transferred.

Emergencies:

- The item is purchased in accordance with NBC's Purchasing Rules and Regulations for Emergency Purchases.
- The Operating Capital Reallocation Request form is completed and signed by the Division Director and accompanied by a quote for the estimated cost.
- Request form is reviewed by the Accounting and Finance departments to determine if the item meets the criteria to be considered an asset in accordance with NBC's Capital Asset Policy and is then reviewed by the Chief Financial Officer.
    - Capital Asset Criteria Met – funding is transferred in the operating capital budget and an Asset Allocation number assigned.
    - Capital Asset Criteria Not Met – purchase will be expensed in the operating budget.

Operating Capital Program by Strategic Goal

The Strategic Plan guides NBC operations and ensures facilities and infrastructure are maintained. As part of the OCP development, each budgeted capital asset is required to align with a Strategic Plan Goal.

Of the 88 capital assets budgeted in FY 2027, $5.9 million or 96.6% are related to NBC's Operational Excellence Pillar, which covers the essential aspects of infrastructure integrity, through continually prioritizing needs and investments. Additionally, $147 thousand or 2.3% relates to the Workforce Development Pillar and involves equipment and activities. Lastly, 1.1% or $46 thousand aligns with the Customer Focus Pillar and provides transportation for customer care site visits.

Percentage of OCP Assets Aligned to NBC Strategic Plan

Operational Excellence *- The integrity of our infrastructure is at the very core of effectively delivering our mission. We take proactive measures to protect the condition of current infrastructure, while always looking ahead to the needs of the future and planning appropriately. We take pride in our bold approach to leading innovative operations and in continually prioritizing needs and investments through deliberate asset management.*

Key Code	Percentage	Code Description
OE3	**58.0%**	Enhance capital planning process
OE4	**38.6%**	Encourage operational efficiency and effectiveness

Workforce Development *- It's through our people that essential services are provided around the clock to this community. Providing a purposeful and engaging workplace experience is critical to attract and retain our highly skilled workforce. As we look ahead to the continuously evolving workforce landscape, we are laser-focused on building and retaining institutional knowledge, developing a strong funnel of future employees, and continuing to make this organization a preferred destination for a meaningful career.*

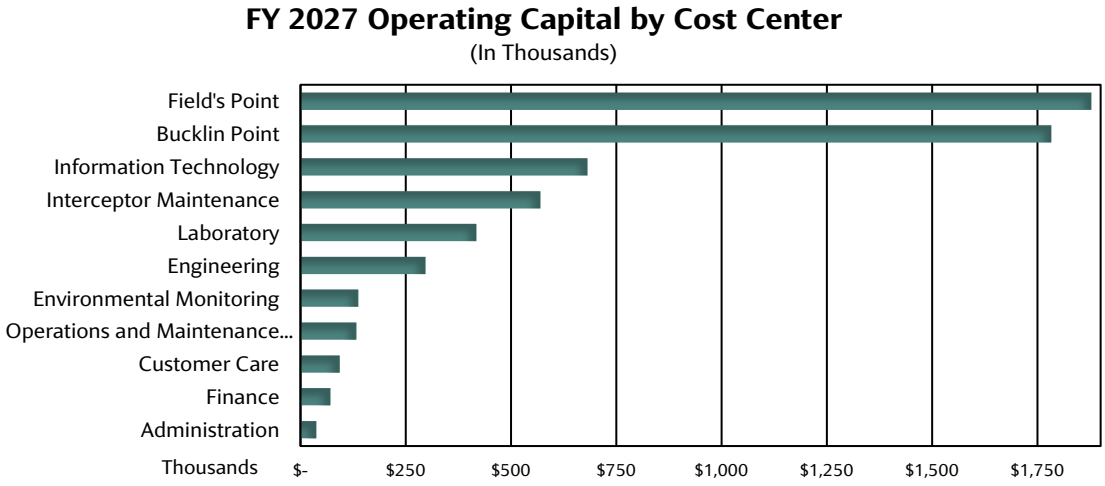
Key Code	Percentage	Code Description
WD1	**1.2%**	Enhance recruitment efforts
WD3	**1.1%**	Capture and transfer institutional knowledge

Customer Focus *- We can't operate successfully in a silo – it takes an entire community to understand and support the significant responsibilities of this organization. It's imperative that we educate and inform internal and external customers through diversified means that drive connection, collaboration and overall satisfaction levels. To do this, we need to keep a continuous pulse on what's most important to the audiences we serve.*

Key Code	Percentage	Code Description
CF2	**1.1%**	Improve internal and external customer satisfaction

Operating Capital Program by Cost Center

The following chart shows that the largest share, or 60.0% of the FY 2027 OCP budget, is for the wastewater treatment facilities (WWTF), including $1.9 million for Field's Point and $1.8 million at Bucklin Point. NBC has prioritized the replacement of numerous pumps, vehicles, tanks, bar racks, and other equipment, which are required to operate the facilities and maintain infrastructure.

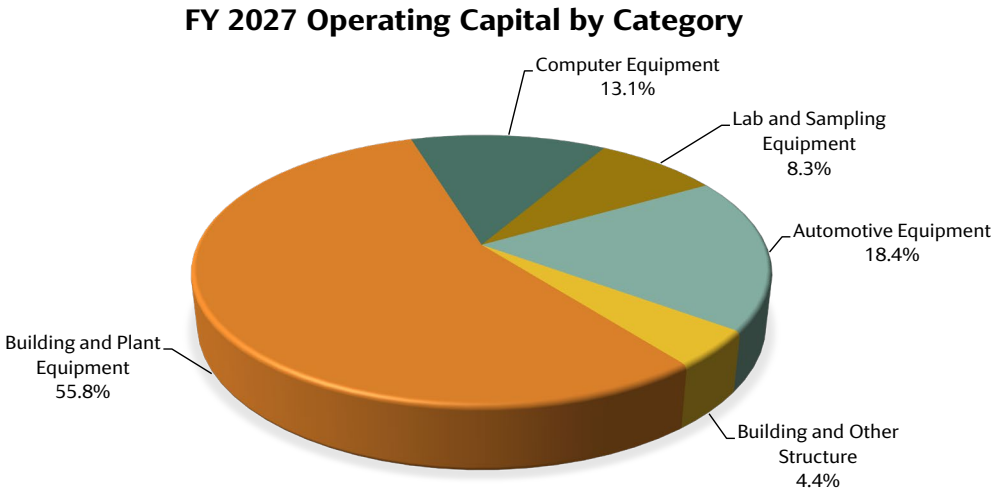


Of the remaining $2.4 million FY 2027 OCP Budget, 11.2% or $682 thousand is allocated to the Information Technology section and includes network and security upgrades to ensure optimal performance. Additionally, 9.3% or $570 thousand of the budget is allocated to the Interceptor Maintenance section to replace Vehicle 329 used for vacuuming manholes and other structures. Furthermore, 6.9% or $418 thousand is apportioned to the Laboratory section, which includes $238 thousand for gas chromatography and purge and trap system with LIMS interface and $128 thousand for internal temperature monitoring system. The Engineering section is 4.9% or $297 thousand and includes the COB elevator upgrade at $190 thousand. The Environmental Monitoring section is 2.3% of the budget or $138 thousand and includes $77 thousand for fixed site sondes, probes and meters. Other items such as financial budgeting software, replacement vehicles, and training equipment encompass the remaining 5.5% or $335 thousand of the OCP budget.

Vactor truck designed for sewer and drainage line cleaning with high-pressure water and vacuum removal of debris and sludge.

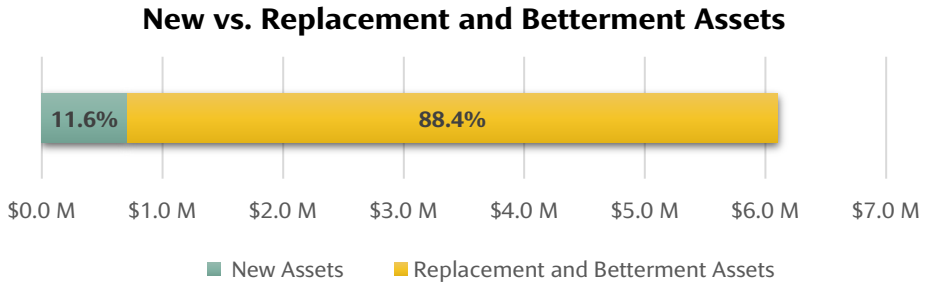
Fiscal Year 2027 Operating Capital Program by Category

The following pie chart shows the distribution of the budget by asset category and percentage. The largest asset category is Building and Plant Equipment at $3.4 million or 55.8% of the total budget. Automotive Equipment represent 18.4% or $1.1 million. Computer Equipment represents 13.1% or $800 thousand. Lab and Sampling Equipment, in addition to Building and Other Structure, comprise the remaining 12.7% of the FY 2027 asset acquisitions.



Operating Capital Program New vs. Replacement and Betterment Assets

The FY 2027 OCP identifies new, replacement, and betterment asset purchases totaling approximately $6.1 million. As shown in the following graph, replacement and betterment assets are 88.4% of the total, while new assets are 11.6% of the total.



FY 2027 programmed Replacement and Betterment assets are $5.4 million. Of this total, Building and Plant Equipment Replacement assets are 59.5% or $3.2 million, and include items such as pumps, bar racks, actuators, grit tanks, probes/sensors, elevator upgrades, and flow meters. Automotive Equipment Replacement assets are 15.1% of the total or $815 thousand. Computer Equipment Replacement assets are 11.0% of the total and include the replacement of wireless system upgrades to continue optimal technology performance at a cost of $595 thousand. The remaining 14.3% are for Lab and Sampling Equipment Replacement and Building and Other Structure Replacement.

Replacement and Betterment Assets		Total	Percent of Total
Building and Plant Equipment Replacement	$	3,212,050	59.5%
Automotive Equipment Replacement		815,100	15.1%
Computer Equipment Replacement		594,750	11.0%
Lab and Sampling Equipment Replacement		508,250	9.4%
Building and Other Structure Replacement		263,750	4.9%
Total	**$**	**5,393,900**	**100%**

Programmed New Asset purchases in FY 2027 are 11.6% of the total OCP. Automotive Equipment is 43.7% of the programmed new assets, at a cost of $309 thousand and includes a Roll Off Dumpster Truck used for the disposal of solids from the Tunnel Pump Station. Also included is $206 thousand in Computer Equipment and $192 thousand for Building and Plant Equipment.

New Assets		Total	Percent of Total
Automotive Equipment	$	308,750	43.7%
Computer Equipment		205,500	29.1%
Building and Plant Equipment		191,900	27.2%
Total	**$**	**706,150**	**100%**

Investments in Technology

NBC's strategic goal of maintaining operational efficiency and effectiveness is demonstrated through Computer Hardware, Software, and Network purchases that are programmed in FY 2027. The largest item is a wireless system upgrade at $400 thousand, upgrades at $86 thousand. Next is financial budgeting software at $71 thousand. Also included in the FY 2027 OCP is the replacement of employee PCs that are past their life cycle at $71 thousand.

Computer Hardware, Software, and Network		Total
Wireless System Upgrade	$	400,000
Security Upgrades		85,500
Financial Budgeting Software		71,250
Annual PC Refresh Program		71,250
Customer Care System Upgrades		47,500
AVEVA System Platform Upgrade		38,000
Customer Care Enhancements		25,000
Computer Room Enhancements		23,750
Conference Room Upgrades		23,750
Ops Tech Automation Industrial Control Training		14,250
Total	**$**	**800,250**

Investment in Data Analysis

NBC's Laboratory and Environmental Monitoring groups are responsible for producing timely, high-quality data to support analysis and compliance through the use of state-of-the-art sampling and analytical instrumentation. NBC's investment in support of these activities is demonstrated with $508 thousand programmed for Lab and Sampling Equipment assets in FY 2027. A list of the items is shown in the following table.

Lab and Sampling Equipment	Total
Gas Chromatography and Purge and Trap System with LIMS Interface	$ 237,500
Internal Temperature Monitoring System	128,250
Fixed Site Sondes, Probes, Meters	76,950
Robotic Module System (Nitrogen Cyanide/Phosphorous Analyses)	52,250
Refrigerated Autosampler Parts	13,300
Total	**$ 508,250**

Operating Capital Program Funding

Operating Capital is funded from the Operating Capital Account – Restricted OCP in the Project Fund. In accordance with the Trust Indenture, after the fiscal year end, a calculation is made to determine the amount that should be transferred from the Stabilization Account in the Debt Service Fund to the Restricted Accounts in the Project Fund to support the capital budgets. This is also consistent with the order from the Rhode Island Public Utilities Commission. An additional calculation is performed to further allocate the funds to the Operating Capital Account – Restricted OCP and Operating Capital Account - Restricted CIP. For the OCP, the fund transfer at the beginning of each fiscal year to the Restricted Account – Operating Capital takes into consideration any unspent balance from the prior year (see calculation below).

The following table shows that in FY 2027, NBC plans to fund the OCP with $6.1 million from the Operating Capital Account - Restricted OCP. NBC has also programmed funding of $6.0 million per year for FY 2029 through FY 2032, for the OCP from this same source.

OCP - SOURCES OF FUNDS

Sources of Funds (Thousands)	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	Total FY 2027-2032
Operating Capital Account - Restricted OCP	$ 6,100	$ 6,858	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 36,958
Total	**$ 6,100**	**$ 6,858**	**$ 6,000**	**$ 6,000**	**$ 6,000**	**$ 6,000**	**$ 36,958**

The FY 2027 programmed asset purchases total approximately $6.1 million. In FY 2029 through FY 2032, NBC has programmed the acquisition of the assets identified in the OCP, as well as an additional placeholder amount. As a result, total programmed uses are a minimum of $6.0 million per year. This ensures sufficient resources are available to operate and maintain NBC's facilities.

OCP - USES OF FUNDS

Uses of Funds (Thousands)	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	Total FY 2027-2032
Operating Capital Program	$ 6,100	$ 6,858	$ 4,321	$ 3,727	$ 3,258	$ 3,342	$ 27,606
Operating Capital Placeholder	-	-	1,679	2,273	2,742	2,658	9,352
Total	**$ 6,100**	**$ 6,858**	**$ 6,000**	**$ 6,000**	**$ 6,000**	**$ 6,000**	**$ 36,958**

This page was intentionally left blank.

Operating Capital Program Summary by Fiscal Year

	ASSET TITLE	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	TOTAL COST
ADMINISTRATION								
Administration								
R	Vehicle 285	$ 38,000	$ -	$ -	$ -	$ -	$ -	$ 38,000
R	Vehicle 321	-	45,000	-	-	-	-	45,000
	Subtotal Administration	38,000	45,000	-	-	-	-	83,000
Information Technology								
R	Wireless System Upgrade	400,000	-	-	-	-	-	400,000
B	Security Upgrades	85,500	10,000	10,000	10,000	10,000	10,000	135,500
R	Annual PC Refresh Program	71,250	75,000	75,000	75,000	75,000	75,000	446,250
B	AVEVA System Platform Upgrade	38,000	-	-	-	-	-	38,000
N	Customer Care Enhancements	25,000	-	50,000	-	50,000	-	125,000
N	Conference Room Upgrades	23,750	25,000	25,000	25,000	25,000	25,000	148,750
N	Computer Room Enhancements	23,750	25,000	25,000	25,000	25,000	25,000	148,750
N	Ops Tech Automation Industrial Control Training	14,250	-	-	-	-	-	14,250
R	IT Department Renovations	-	200,000	-	-	-	-	200,000
R	Network Upgrades	-	50,000	-	50,000	-	50,000	150,000
N	Oracle Enhancements	-	40,000	-	40,000	-	40,000	120,000
N	Triennial Security Assessment	-	-	45,000	-	-	45,000	90,000
R	Printer/Plotter/Copier Replacement	-	-	35,000	-	35,000	-	70,000
R	SampleManager/LIMS Upgrade	-	-	-	-	80,000	-	80,000
	Subtotal Information Technology	681,500	425,000	265,000	225,000	300,000	270,000	2,166,500
ENGINEERING AND CONSTRUCTION								
Engineering								
B	COB Elevator Upgrade	190,000	-	-	-	-	-	190,000
R	Concrete Walkway PT Building	50,000	-	-	-	-	-	50,000
R	Uninterruptible Power Supply Batteries-WQSB	28,500	-	-	-	-	-	28,500
R	Uninterruptible Power Supply Batteries-COB	19,000	-	-	-	-	-	19,000
R	Hot Water Circulator Pump	9,500	-	-	-	-	-	9,500
R	Pretreatment Roof Replacement	-	225,000	-	-	-	-	225,000
R	Vehicle 326	-	50,000	-	-	-	-	50,000
R	Vehicle 312	-	-	50,000	-	-	-	50,000
	Subtotal Engineering	297,000	275,000	50,000	-	-	-	622,000
Construction Services								
R	Vehicle 311	-	45,000	-	-	-	-	45,000
R	Vehicle 296	-	-	45,000	-	-	-	45,000
R	Vehicle 292	-	-	-	50,000	-	-	50,000
R	Vehicle 275	-	-	-	-	-	50,000	50,000
	Subtotal Construction Services	-	45,000	45,000	50,000	-	50,000	190,000
FINANCE								
Finance								
N	Financial Budgeting Software	71,250	-	-	-	-	-	71,250
	Subtotal Finance	71,250	-	-	-	-	-	71,250
Customer Care								
N	Customer Care System Upgrades	47,500	-	51,500	-	53,045	-	152,045
R	Vehicle 297	45,600	-	-	-	-	-	45,600
R	Vehicle 289	-	50,000	-	-	-	-	50,000
R	Vehicle 276	-	-	51,500	-	-	-	51,500
R	Vehicle 261	-	-	-	53,045	-	-	53,045
R	Vehicle 256	-	-	-	-	54,636	-	54,636
R	Vehicle 316	-	-	-	-	-	56,275	56,275
	Subtotal Customer Care	93,100	50,000	103,000	53,045	107,681	56,275	463,101
OPERATIONS AND MAINTENANCE								
Interceptor Maintenance								
R	Vehicle 329	570,000	-	-	-	-	-	570,000
R	Vehicle 322	-	175,000	-	-	-	-	175,000
R	Vehicle 284	-	75,000	-	-	-	-	75,000
R	Vehicle 272	-	50,000	-	-	-	-	50,000
R	Vehicle 284	-	8,500	-	-	-	-	8,500
R	Vehicle 284	-	7,500	-	-	-	-	7,500
R	Vehicle 363	-	-	285,000	-	-	-	285,000
R	Vehicle 471B	-	-	75,000	-	-	-	75,000
R	Vehicle 307	-	-	42,000	-	-	-	42,000
R	Vehicle 459	-	-	16,000	-	-	-	16,000

Operating Capital Program Summary by Fiscal Year

	ASSET TITLE	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	TOTAL COST
R	Vehicle 471B	-	-	10,000	-	-	-	10,000
R	Equipment 829A	-	-	10,000	-	-	-	10,000
R	Equipment 656A	-	-	8,000	-	-	-	8,000
R	Pneumatic Pipe Plugs w/Lift Line & Filler Hoses	-	-	7,000	-	-	-	7,000
R	Equipment V471	-	-	5,000	-	-	-	5,000
R	Vehicle 268	-	-	-	75,000	-	-	75,000
R	Vehicle 269	-	-	-	75,000	-	-	75,000
R	Vehicle 270	-	-	-	75,000	-	-	75,000
R	Vehicle 287	-	-	-	65,000	-	-	65,000
R	Vehicle 354	-	-	-	15,000	-	-	15,000
R	Vehicle 346	-	-	-	9,500	-	-	9,500
R	Equipment 656A	-	-	-	6,500	-	-	6,500
R	Equipment 430A	-	-	-	5,000	-	-	5,000
R	Vehicle 251	-	-	-	-	85,000	-	85,000
R	Vehicle 334	-	-	-	-	65,000	-	65,000
R	Vehicle 254	-	-	-	-	65,000	-	65,000
R	Vehicle 262	-	-	-	-	45,000	-	45,000
R	Gate Controller Replacement	-	-	-	-	12,000	-	12,000
R	Vehicle 251	-	-	-	-	8,500	-	8,500
R	Vehicle 251	-	-	-	-	8,500	-	8,500
R	Equipment 860A	-	-	-	-	7,500	-	7,500
R	Vehicle 334	-	-	-	-	7,500	-	7,500
R	Vehicle 254	-	-	-	-	7,500	-	7,500
R	Vehicle 277	-	-	-	-	-	275,000	275,000
R	Vehicle 308	-	-	-	-	-	175,000	175,000
R	Vehicle 373	-	-	-	-	-	65,000	65,000
R	Equipment 007B	-	-	-	-	-	45,000	45,000
R	Vehicle 298	-	-	-	-	-	12,000	12,000
R	Vehicle 322	-	-	-	-	-	9,500	9,500
R	Vehicle 322	-	-	-	-	-	9,500	9,500
	Subtotal Interceptor Maintenance	570,000	316,000	458,000	326,000	311,500	591,000	2,572,500
	Operations and Maintenance Services							
N	Ops Training Equipment	133,000	-	-	-	-	-	133,000
	Subtotal Operations and Maintenance Services	133,000	-	-	-	-	-	133,000
	Field's Point							
R	Sump Pump	233,750	-	-	-	-	-	233,750
R	Tunnel Pump Cartridges	166,250	-	-	-	-	-	166,250
R	Bar Racks	161,500	170,000	175,000	185,000	190,000	210,000	1,091,500
R	Grit Tank Unit	156,750	165,000	170,000	175,000	-	180,000	846,750
R	Dezurik Valves	95,000	100,000	100,000	100,000	100,000	100,000	595,000
R	20MGD Sewage Pump Cartridge	71,250	-	-	-	-	-	71,250
R	Stair Replacement	71,250	-	-	-	-	-	71,250
R	Water Champ	71,250	-	-	-	-	-	71,250
R	Vehicle 332	61,750	-	-	-	-	-	61,750
R	Door Replacement	61,750	-	-	-	-	-	61,750
R	Grit Pump with Motor	57,000	-	35,000	-	-	40,000	132,000
B	Flygt Mixer Rebuild	57,000	50,000	50,000	50,000	50,000	50,000	307,000
B	Pump Rebuild	57,000	50,000	50,000	50,000	50,000	50,000	307,000
R	Impellers	52,250	-	-	-	-	-	52,250
R	Vehicle 375	52,250	-	-	-	-	-	52,250
R	Dewatering Pump with Motor	47,500	50,000	-	-	-	-	97,500
R	Sewage Pump Cone Valve Actuator	47,500	-	-	-	-	-	47,500
R	Flow Meters	38,000	-	-	-	-	-	38,000
R	Plant Water Pump and Motor	33,250	-	-	-	-	-	33,250
R	Scum Pump with Motor	28,500	-	25,000	-	30,000	-	83,500
R	Gearbox G2	28,500	-	-	-	-	-	28,500
R	Actuator and Motor G3	28,500	-	-	-	-	-	28,500
R	Scum Dewatering Pump	23,750	-	-	-	-	-	23,750
R	Suction Filters	19,000	-	-	-	-	-	19,000
R	Sludge Flow Meter	19,000	-	-	20,000	-	20,000	59,000
R	Equipment 0024	19,000	-	-	-	-	-	19,000
R	Actuator and Motor G6	19,000	-	-	-	-	-	19,000
R	Fire Alarm Panel	19,000	-	-	-	-	-	19,000
R	Actuators	19,000	-	-	-	-	-	19,000
R	Equipment 0025	15,200	-	-	-	-	-	15,200
R	Leak Detection System	14,250	-	-	-	-	-	14,250

Operating Capital Program Summary by Fiscal Year

	ASSET TITLE	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	TOTAL COST
R	Scum Tank Skimmer	14,250	-	-	-	-	-	14,250
R	Filter Rack	11,875	-	-	-	-	-	11,875
R	TSS Portable Meter	6,650	-	-	-	-	-	6,650
R	Hydroflow Screen	-	325,000	-	-	-	-	325,000
R	Sewage Pump	-	250,000	250,000	-	-	-	500,000
R	Sewage Pump Motor	-	130,000	-	-	-	-	130,000
R	Equipment 0050	-	100,000	-	-	-	-	100,000
R	40MGD Sewage Pump Cartridge	-	100,000	-	-	-	-	100,000
R	66" Screw Pump 4	-	85,000	-	-	-	-	85,000
R	Caustic Storage Tank	-	85,000	75,000	-	-	-	160,000
R	Hypo Storage Tanks	-	80,000	85,000	-	85,000	-	250,000
R	Vehicle 352	-	75,000	-	-	-	-	75,000
R	Crane Clam Bucket	-	60,000	-	-	-	-	60,000
R	Vehicle 333	-	55,000	-	-	-	-	55,000
R	Vehicle 345	-	55,000	-	-	-	-	55,000
R	Hypo Floor Relining	-	50,000	-	-	-	-	50,000
R	Caustic Metering Pump	-	45,000	-	-	-	-	45,000
R	Underflow Valve and Actuator(s)	-	45,000	-	-	-	-	45,000
R	Flow Meter Venturi	-	40,000	-	-	-	-	40,000
R	Froth Spray Pump and Motor	-	40,000	-	-	-	-	40,000
R	Vehicle 315	-	40,000	-	-	-	-	40,000
R	Sludge Pump with Motor	-	35,000	35,000	-	-	-	70,000
R	Influent Cylinders	-	30,000	30,000	30,000	35,000	-	125,000
R	Sludge Grinder	-	30,000	-	30,000	-	35,000	95,000
R	Equipment FP0026B	-	25,000	-	-	-	-	25,000
R	Equipment FP0028B	-	25,000	-	-	-	-	25,000
R	Equipment FP0071	-	25,000	-	-	-	-	25,000
R	Equipment FP0072	-	25,000	-	-	-	-	25,000
R	Equipment 109CWA	-	25,000	-	-	-	-	25,000
R	Variable Frequency Drive Grit Pump #1, 2, 3	-	15,000	45,000	-	-	-	60,000
R	Vehicle 317	-	-	80,000	-	-	-	80,000
R	Serpentix Conveyor Gearbox Motor/Parts	-	-	70,000	-	-	-	70,000
R	Vehicle 314	-	-	70,000	-	-	-	70,000
R	Vehicle 319	-	-	70,000	-	-	-	70,000
R	Vehicle 464	-	-	55,000	-	-	-	55,000
R	Dewatering Pump	-	-	50,000	-	-	-	50,000
R	ABB Process Control Unit	-	-	50,000	-	-	-	50,000
R	Flexim Flow Meters	-	-	40,000	-	-	-	40,000
R	Equipment 0015B	-	-	25,000	-	-	-	25,000
R	Equipment 0020B	-	-	25,000	-	-	-	25,000
R	Mag Flow Meter	-	-	20,000	-	-	-	20,000
R	Wet Weather Storage Trailer	-	-	15,000	-	-	-	15,000
R	Grit Influent Ammonia Meter	-	-	15,000	-	-	-	15,000
R	Vehicle 320	-	-	-	130,000	-	-	130,000
R	Vehicle 295	-	-	-	120,000	-	-	120,000
R	Metering Pumps	-	-	-	60,000	-	-	60,000
R	Variable Frequency Drive	-	-	-	25,000	-	-	25,000
R	20' Storage Trailer	-	-	-	8,000	-	-	8,000
R	40' Storage Trailer with Roll Up Doors	-	-	-	8,000	-	-	8,000
R	20' Storage Trailer	-	-	-	8,000	-	-	8,000
R	Hypo Pump and Motor	-	-	-	-	75,000	-	75,000
R	Sludge Grinder Cartridges	-	-	-	-	45,000	-	45,000
R	Uninterruptible Power Supply Batteries	-	-	-	-	-	30,000	30,000
R	Sludge Flow Meter to Tank #3	-	-	-	-	-	20,000	20,000
	Subtotal Field's Point	1,877,725	2,480,000	1,710,000	999,000	660,000	735,000	8,461,725
	Bucklin Point							
N	Roll Off Dumpster Truck	308,750	-	-	-	-	-	308,750
R	Screw Pump Gearbox With Motor	166,250	175,000	-	-	-	-	341,250
R	Effluent Pump 1 Rebuild	123,500	-	-	-	-	-	123,500
R	Recirculation Pump and Rebuild - Aeration Tanks 1-4	85,500	-	90,000	-	-	90,000	265,500
R	Recirculation Pump - Digester Control Bldg.	85,500	-	-		-	-	85,500
R	Doors	80,750	-	-	-	-	-	80,750
R	Bar Rack 2	75,000	95,000	95,000	95,000	95,000	95,000	550,000
R	Sludge Pump - Return Sludge Pump Station 1	71,250	75,000	75,000	80,000	85,000	90,000	476,250
R	Safety Stairs	71,250	-	-	-	-	-	71,250
R	Uninterruptible Power Supply - Screening and Grit Bldg.	68,400	-	-	-	-	-	68,400

Operating Capital Program Summary by Fiscal Year

	ASSET TITLE	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	TOTAL COST
R	Actuators	64,600	-	-	-	-	-	64,600
R	Remote Mower	58,900	-	-	-	-	-	58,900
R	Differential Pressure Transducers	57,000	-	-	-	-	-	57,000
R	RAS Sludge Pump 5-7	49,400	55,000	60,000	60,000	65,000	65,000	354,400
R	Thickener Waste Pump	42,500	-	55,000	-	60,000	-	157,500
R	Scum Pump	42,750	50,000	50,000	55,000	55,000	55,000	307,750
R	Scum Pump	38,000	-	-	-	-	-	38,000
R	Dewatering Pump	25,000	-	-	-	-	45,000	70,000
R	Dewatering Pump	25,000	-	-	-	-	45,000	70,000
R	Centrate Pump	33,250	-	-	60,000	65,000	-	158,250
R	Hypo Pump	30,400	25,000	35,000	35,000	40,000	40,000	205,400
R	Uninterruptible Power Supply - GBT and Sludge Dewatering	28,500	-	-	-	-	-	28,500
R	Level Indicator	26,125	-	-	-	-	-	26,125
R	Dewatering Pump	23,750	-	40,000	-	40,000	-	103,750
R	Hot Water Recycling Pump	23,500	-	-	35,000	-	-	58,500
R	Scum Mixer Rebuild	21,850	-	-	-	-	-	21,850
R	Grit Pump	20,900	22,000	22,000	24,000	24,000	25,000	137,900
R	Pump Check Valve	20,900	-	-	-	-	-	20,900
R	Wash Booster Pump	14,250	-	-	-	-	-	14,250
R	Mixers Primary Digesters	-	382,000	-	-	-	-	382,000
R	Centrifugal Blower 1	-	350,000	-	-	-	-	350,000
N	Crane Truck	-	200,000	-	-	-	-	200,000
R	Effluent Pump 2 Rebuild	-	150,000	-	-	-	-	150,000
R	Do Sensors	-	120,000	-	-	-	-	120,000
R	Limortorque Actuators & Gearbox	-	100,000	-	-	-	-	100,000
R	Variable Frequency Drive	-	90,000	-	-	-	-	90,000
R	Vehicle 368	-	85,000	-	-	-	-	85,000
R	Sludge Pump - Dry Weather Primary Pump Station Primary Proc	-	75,000	40,000	50,000	50,000	80,000	295,000
R	Vehicle 330	-	65,000	-	-	-	-	65,000
R	Vehicle 331	-	65,000	-	-	-	-	65,000
R	Vehicle 344	-	60,000	-	-	-	-	60,000
R	Scum Pump and Mixer	-	55,000	55,000	60,000	60,000	65,000	295,000
R	RAS Sludge Pump Rebuild 1	-	55,000	55,000	60,000	60,000	-	230,000
R	RAS Sludge Pump Rebuild 2	-	55,000	55,000	60,000	60,000	-	230,000
R	Vehicle 318	-	50,000	-	-	-	-	50,000
R	Scum Pump 1	-	45,000	-	45,000	-	50,000	140,000
R	Actuators	-	45,000	-	-	-	55,000	100,000
R	Control Panels	-	35,000	35,000	40,000	40,000	-	150,000
R	Screening Grinder Gearbox and Motor	-	28,000	-	-	-	30,000	58,000
R	Uninterruptable Power Supply - Plant Water Bldg.	-	10,000	-	-	-	-	10,000
R	Vehicle 323	-	-	55,000	-	-	-	55,000
R	Vehicle 328	-	-	55,000	-	-	-	55,000
R	Air Filter Box	-	-	45,000	-	50,000	-	95,000
R	Sump Pumps	-	-	40,000	-	-	-	40,000
R	Flushing Water Pump #3	-	-	30,000	-	35,000	35,000	100,000
R	Scum Pump Inline Grinder	-	-	15,000	-	20,000	-	35,000
R	Sump Pumps	-	-	15,000	-	-	15,000	30,000
R	HVAC Upgrade	-	-	-	150,000	-	-	150,000
R	UV Control Module Boards and Bank Control Boards	-	-	-	80,000	-	-	80,000
R	Waste Sludge Pump 1	-	-	-	60,000	-	-	60,000
R	Waste Sludge Pump 2	-	-	-	60,000	-	-	60,000
R	Vehicle 303	-	-	-	55,000	-	-	55,000
R	Sewage Pump	-	-	-	55,000	55,000	-	110,000
R	Vehicle 304	-	-	-	50,000	-	-	50,000
R	Vehicle 306	-	-	-	50,000	-	-	50,000
R	Scum Pump 2	-	-	-	45,000	-	-	45,000
R	Poly Emulsion Pump	-	-	-	45,000	-	-	45,000
R	Mixer with Motor	-	-	-	45,000	-	-	45,000
R	Bisulfite Tanks 1 and 2 Relining	-	-	-	30,000	-	-	30,000
R	Uninterruptable Power Supply - Dry Weather Primary Sludge Pur	-	-	-	15,000	-	-	15,000
R	Pump Check Valve	-	-	-	15,000	20,000	-	35,000
R	Grinder Cutting Assembly with Motor	-	-	-	-	60,000	-	60,000
R	Vehicle 293	-	-	-	-	55,000	-	55,000
R	Sewage Pump	-	-	-	-	55,000	-	55,000
R	Vent Fan	-	-	-	-	20,000	-	20,000
R	Equipment 102A Bobcat Brushcutter	-	-	-	-	10,000	-	10,000
R	Equipment 102A Bobcat Snow Blower	-	-	-	-	10,000	-	10,000

Operating Capital Program Summary by Fiscal Year

	ASSET TITLE	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	TOTAL COST
R	Vehicle 281	-	-	-	-	-	55,000	55,000
R	Vehicle 282	-	-	-	-	-	55,000	55,000
R	Bar Screening Grinder	-	-	-	-	-	42,000	42,000
	Subtotal Bucklin Point	1,782,725	2,617,000	1,017,000	1,514,000	1,189,000	1,032,000	9,151,725
	ENVIRONMENTAL SCIENCE AND COMPLIANCE							
	Pretreatment							
R	Vehicle 342	-	45,000	-	-	-	-	45,000
R	Vehicle 325	-	-	45,000	-	-	-	45,000
R	Vehicle 302	-	-	-	-	45,000	-	45,000
	Subtotal Pretreatment	-	45,000	45,000	-	45,000	-	135,000
	Laboratory							
R	Gas Chromatography and Purge and Trap System with LIMS inte	237,500	-	-	-	-	-	237,500
R	Internal Temperature Monitoring System	128,250	-	-	-	-	-	128,250
R	Robotic Module System (Nitrogen Cyanide/Phosphorous Analyse	52,250	-	-	-	-	-	52,250
R	ICP-OES Industrial Metals Analyzer	-	150,000	-	-	-	-	150,000
R	Autoclave #2	-	111,000	-	-	-	-	111,000
R	Biological Media Dispenser	-	54,000	-	-	-	-	54,000
R	Spectrophotometers	-	40,000	-	-	-	-	40,000
B	LIMS Enhancement	-	35,000	-	30,000	-	-	65,000
R	Laboratory BOD Refrigerated Incubators System	-	25,000	-	-	-	-	25,000
R	ICP-Mass Spectrometer Analyzer	-	-	240,000	-	-	-	240,000
R	Salt Water Nutrient Analyzer	-	-	150,000	-	-	-	150,000
R	Mercury Analyzer	-	-	90,000	-	-	-	90,000
R	Fresh Water Nutrient Analyzer	-	-	-	130,000	-	-	130,000
R	Cyanide Analyzer	-	-	-	130,000	-	-	130,000
R	Oil and Grease Extractor	-	-	-	100,000	-	-	100,000
R	Laboratory Incubators and Refrigerators	-	-	-	30,000	-	-	30,000
R	Fluorometer	-	-	-	15,000	-	-	15,000
R	Water Purification System	-	-	-	-	230,000	-	230,000
R	Auto-Titration System	-	-	-	-	120,000	-	120,000
R	Total Organic Carbon System	-	-	-	-	80,000	-	80,000
R	Microbiology Microscope System	-	-	-	-	64,000	-	64,000
R	Gas Chromatography Analyzer and LIMS Interface	-	-	-	-	-	245,000	245,000
R	Robotic BOD Analyzer	-	-	-	-	-	120,000	120,000
R	Robotic in-line Digester for Nutrients analyses	-	-	-	-	-	62,000	62,000
R	Laboratory Refrigerated Incubator/Freezer System	-	-	-	-	-	30,000	30,000
	Subtotal Laboratory	418,000	415,000	480,000	435,000	494,000	457,000	2,699,000
	Environmental Monitoring							
R	Fixed Site Sondes, Probes, Meters	76,950	81,000	83,000	83,000	85,000	85,000	493,950
R	Vehicle 324	47,500	-	-	-	-	-	47,500
B	Refrigerated Autosampler Parts	13,300	14,000	15,000	15,000	16,000	16,000	89,300
R	Vehicle 309	-	50,000	-	-	-	-	50,000
R	Vehicle 300	-	-	50,000	-	-	-	50,000
R	Deionized Water Unit	-	-	-	26,500	-	-	26,500
R	Vehicle 280	-	-	-	-	50,000	-	50,000
R	Vehicle 271	-	-	-	-	-	50,000	50,000
	Subtotal Environmental Monitoring	137,750	145,000	148,000	124,500	151,000	151,000	857,250
	Total	**$ 6,100,050**	**$ 6,858,000**	**$ 4,321,000**	**$ 3,726,545**	**$ 3,258,181**	**$ 3,342,275**	**$ 27,606,051**

Asset Type

R Replacement
N New
B Betterment

This page was intentionally left blank.

FY 2027 Operating Capital Program

Asset Type	Rank	Budget Account	Allocation	Asset Title	Asset Description	Approved Budget
ADMINISTRATION						
Administration						
B	R	16515	OC27-021-002	Vehicle 285	Executive Director transportation	$ 38,000
					Subtotal Administration	38,000
Information Technology						
R	A	16555	OC27-033-001	Wireless System Upgrade	Continue optimal technology performance	400,000
B	B	16555	OC27-033-002	Security Upgrades	Physical security enhancements	85,500
R	B	16555	OC27-033-003	Annual PC Refresh Program	Replace NBC personnel computers over 5 years	71,250
B	A	16555	OC27-033-004	AVEVA System Platform Upgrade	Upgrade the AVEVA System Platform to 2023 R2	38,000
N	C	16550	OC27-033-005	Customer Care Enhancements	Enhance customer related technological processes	25,000
N	C	16550	OC27-033-006	Conference Room Upgrades	Ensure reliability and effective communications and meetings	23,750
N	C	16550	OC27-033-007	Computer Room Enhancements	Ensure reliability and efficiency of computer room	23,750
N	C	16550	OC27-033-008	Ops Tech Automation Industrial Control Training	Provide Ops Tech staff real-time training equipment for automation and industrial control	14,250
					Subtotal Information Technology	681,500
					Subtotal Administration	**719,500**
ENGINEERING AND CONSTRUCTION						
Engineering						
B	A	16525	OC27-025-001	COB Elevator Upgrade	Transport employees and supplies	190,000
R	A	16615	OC27-025-002	Concrete Walkway	Concrete walkway at Pretreatment	50,000
R	A	16525	OC27-025-003	UPS Batteries-WQSB	Back up power to critical equipment	28,500
R	B	16525	OC27-025-004	UPS Batteries-COB	Back up power to critical equipment	19,000
R	B	16525	OC27-025-005	Hot Water Circulator Pump	Continuous operation of the heating system	9,500
					Subtotal Engineering	297,000
					Subtotal Engineering and Construction	**297,000**
FINANCE						
Finance						
N	C	16550	OC26-031-001	Financial Budgeting Software	Enhancements to financial reporting software	71,250
					Subtotal Finance	71,250
Customer Care						
N	A	16550	OC27-034-001	Customer Care System Upgrades	Increase automation, modernization of business practices and methods	47,500
R	B	16515	OC27-034-002	Vehicle 297	Site visits, service order completion, WSO Posting and Shut Off.	45,600
					Subtotal Customer Care	93,100
					Subtotal Finance	**164,350**
OPERATIONS AND MAINTENANCE						
Interceptor Maintenance						
R	A	16515	OC27-043-001	Vehicle 329 - Combo VacTruck	Vacuuming/flushing manholes and other structures	570,000
					Subtotal Interceptor Maintenance	570,000
Operations and Maintenance Services						
N	C	16520	OC27-044-001	Ops Training Equipment	Training equipment to prepare for the National WEFTEC Operations Challenge	133,000
					Subtotal Operations and Maintenance Services	133,000
Field's Point						
R	A	16525	OC27-046-001	Sump Pump	Prevents flooding	233,750
R	A	16525	OC27-046-002	Tunnel Pump Cartridges	Pumps influent to WWTF	166,250
R	A	16525	OC27-046-003	Bar Racks	Removes large amount of debris from influent to protect downstream equipment	161,500
R	A	16525	OC27-046-004	Grit Tank Unit	Grit unit at Preliminary Treatment Bldg	156,750
R	A	16525	OC27-046-005	Dezurik Valves	Isolate pumps	95,000
R	A	16525	OC27-046-006	20 MGD Sewage Pump Cartridge	Pumps influent to WWTF	71,250
B	A	16525	OC27-046-007	Stair Replacement	Replacement of stairs throughout Field's Point plant	71,250
R	B	16525	OC27-046-008	Water Champ	Helps in even distribution of chemicals	71,250
R	B	16515	OC27-046-009	Vehicle 332	Transport instrumentation staff to perform their duties	61,750
R	A	16615	OC27-046-010	Door Replacement	Replace various doors at various locations	61,750
R	A	16525	OC27-046-011	Grit Pump with Motor	Process of separation of grit in wastewater	57,000
B	A	16525	OC27-046-012	Flygt Mixer Rebuild	Mix the mixed liqueur inside the IFAS tank so the solids do not bulk and settle	57,000
B	A	16525	OC27-046-013	Pump Rebuild	For various pumps in the plant to be rebuilt	57,000
R	A	16525	OC27-046-014	Impellers	Pump the contents of the tunnel to the main plant	52,250
R	B	16515	OC27-046-015	Vehicle 375	Transport instrumentation staff to perform their duties	52,250
R	A	16525	OC27-046-016	Dewatering Pump with Motor	Separates water from the sludge	47,500
R	A	16525	OC27-046-017	Sewage Pump Cone Valve Actuator	Required for the tunnel pumping process to occur	47,500
R	A	16525	OC27-046-018	Flow Meter	Measures the influent flow, these flow measurements are vital to treatment process	38,000
R	A	16525	OC27-046-019	Plant Water Pump and Motor	Circulates treated plant effluent throughout the plant	33,250
R	A	16525	OC27-046-020	Scum Pump with Motor	Pumps scum to tanks	28,500
R	A	16525	OC27-046-021	Gearbox G2	Allows the gates to open and close as flow dictate	28,500
R	A	16525	OC27-046-022	Actuator and Motor G3	Exercises the gate at the G&S site # 3 for use of the tunnel during rain events	28,500
R	A	16525	OC27-046-023	Scum Dewatering Pump	Removes scum from secondary treatment	23,750
R	B	16525	OC27-046-024	Suction Filters	Protect pumps from contaminants and ensure efficient operation	19,000
R	B	16525	OC27-046-025	Sludge Flow Meter	Measures flow in/out of gravity thickener tanks 1, 2, 4	19,000
R	B	16525	OC27-046-026	Equipment 0024	Lifting employees and tools/equipment to work safely at heights	19,000
R	A	16525	OC27-046-027	Actuator and Motor G6	Exercises the gate at the G&S site # 6 for use of the tunnel during rain events	19,000
R	A	16525	OC27-046-028	Fire Alarm Panel	Controls fire alarm	19,000
R	A	16525	OC27-046-029	Actuators	Controls air flow to grit tanks	19,000
R	B	16525	OC27-046-030	Equipment 0025	Lift employees, tools and equipment safely to heights for repairs	15,200
R	A	16525	OC27-046-031	Leak Detection System	Monitor panel leak detection system	14,250
R	A	16525	OC27-046-032	Scum Tank Skimmer	Removes scum from process at the primary stage	14,250
R	A	16525	OC27-046-033	Filter Rack	Keeps sump pump electrical equipment clean	11,875
R	A	16525	OC27-046-034	TSS Portable Meter	Measures Turbidity and Total Suspended Solids	6,650
					Subtotal Field's Point	1,877,725
Bucklin Point						
N	A	16510	OC27-047-001	Roll Off Dumpster Truck	Disposal of solids from the Tunnel Pump Station	308,750
R	A	16525	OC27-047-002	Screw Pump Gearbox with Motor	Move large volumes of raw sewage and sludge	166,250
R	A	16525	OC27-047-003	Effluent Pump 1 Rebuild	Moves treated liquid to discharge point	123,500
R	A	16525	OC27-047-004	Recirculation Pump and Rebuild - Aeration Tanks 1-4	Moves treated or partially treated wastewater back to an earlier process stage	85,500
R	A	16525	OC27-047-005	Recirculation Pump - Digester Control Bldg.	Moves treated or partially treated wastewater back to an earlier process stage	85,500
R	A	16615	OC27-047-006	Doors	Replace various doors at various locations	80,750
R	A	16525	OC27-047-007	Bar Rack 2	Removes large items from influent	75,000
R	A	16525	OC27-047-008	Sludge Pump - Return Sludge Pump Station 1	Pumps sludge	71,250
R	A	16615	OC27-047-009	Safety Stairs	Replace wooden steps with metal steps with railings, safety concern	71,250
R	A	16525	OC27-047-010	Uninterruptible Power Supply - Screening and Grit Building	Backup power during emergency shutdown	68,400
R	A	16525	OC27-047-011	Actuators	Automate the operation of industrial valves and dampers	64,600
R	B	16520	OC27-047-012	Remote Mower	Remote mower for Slopes	58,900
R	A	16525	OC27-047-013	Differential Pressure Transducers	Measure liquids, gases and vapors	57,000
R	A	16525	OC27-047-014	RAS Sludge Pump 5-7	Pumps activated sludge through process	49,400

FY 2027 Operating Capital Program

Asset Type	Rank	Budget Account	Allocation	Asset Title	Asset Description	Approved Budget
R	A	16525	OC27-047-015	Thickener Waste Pump	Send sludge to (mixed liquor) and wastes to GBT bldg	42,500
R	A	16525	OC27-047-016	Scum Pump	Removes scum	42,750
R	A	16525	OC27-047-017	Scum Pump	Removes scum	38,000
R	A	16525	OC27-047-018	Centrate Pump	Pushes the water towards the outer edges of the casing	33,250
R	A	16525	OC27-047-019	Hypo Pump	Pumps hypo to RAS line	30,400
R	A	16525	OC27-047-020	Uninterruptible Power Supply - GBT and Sludge Dewatering	Backup power during emergency shutdown	28,500
R	A	16525	OC27-047-021	Level Indicator	Level measurement and control for chemical, water, wastewater, oil, and solids applications	26,125
R	A	16525	OC27-047-022	Dewatering Pump	Separates water from sludge	25,000
R	A	16525	OC27-047-023	Dewatering Pump	Separates water from sludge	25,000
R	B	16525	OC27-047-024	Dewatering Pump	Separates water from the sludge	23,750
R	A	16525	OC27-047-025	Hot Water Recycling Pump	Continuously circulates hot water from your heater through your pipes and back	23,500
R	A	16525	OC27-047-026	Scum Mixer Rebuild	Mixes scum	21,850
R	A	16525	OC27-047-027	Grit Pump	Moves removed grit from the grit chambers to a grit classifier	20,900
R	A	16525	OC27-047-028	Pump Check Valve	Ensures efficient fluid flow in one direction	20,900
R	A	16525	OC27-047-029	Wash Booster Pump	Cleans gravity thickener belt	14,250
					Subtotal Bucklin Point	1,782,725
					Subtotal Operations and Maintenance	**4,363,450**
ENVIRONMENTAL SCIENCE AND COMPLIANCE						
Laboratory						
R	A	16575	OC27-053-001	Gas Chromatography, Purge, Trap System with LIMS Interface	Test for organic volatile compounds in permit samples for FP and BP plants and SIU samples	237,500
R	A	16575	OC27-053-002	Internal Temperature Monitoring System	Controls proper temperature environment to hold, incubate, and process Permit samples	128,250
R	A	16575	OC27-053-003	Robotic Module System	Analysis of permit samples for phosphorus, cyanide, and nitrogen	52,250
					Subtotal Laboratory	418,000
Environmental Monitoring						
R	A	16575	OC27-055-001	Fixed Site Sondes, Probes, Meters	Conduct real-time water quality monitoring	76,950
R	A	16515	OC27-055-002	Vehicle 324	Collects RIPDES-required samples from treatment facilities, industrial users, CSO sites, and manholes	47,500
B	A	16575	OC27-055-003	Refrigerated Autosampler Parts	Parts to upgrade two autosamplers for RIPDES compliance and process monitoring	13,300
					Subtotal Environmental Monitoring	137,750
					Subtotal Environmental Science and Compliance	**555,750**
					Total Operating Capital FY 2027	**$ 6,100,050**

ASSET TYPE

R Replacement
N New
B Betterment

RANK

A Priority Rank A - Critical to Operations
B Priority Rank B - Essential
C Priority Rank C - Discretionary

Asset Allocation No.	**OC27-021-001**				
Asset Title:	**Vehicle 285**	**Cost Center:**	Administration		
Asset Location:	COB	**Amount:**	$ 38,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Executive Director transportation				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	5 Years	
Original date in service:	3/1/2021		**Original estimated Actual Useful Life:**	5 Years	

Asset Allocation No.	**OC27-033-001**				
Asset Title:	**Wireless System Upgrade**	**Cost Center:**	Information Technology		
Asset Location:	NBC-wide	**Amount:**	$ 400,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Continue optimal technology performance				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	10 Years	
Original date in service:	9/1/2016		**Original estimated Actual Useful Life:**	5 Years	

Asset Allocation No.	**OC27-033-002**				
Asset Title:	**Security Upgrades**	**Cost Center:**	Information Technology		
Asset Location:	NBC-wide	**Amount:**	$ 85,500	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Physical security enhancements				
Budget Account:	16555 Computer Equipment Replacement				
Type:	BETTERMENT		**Actual Useful Life:**	26 Years	
Original date in service:	7/1/2020		**Original estimated Actual Useful Life:**	20 Years	

Asset Allocation No.	**OC27-033-003**				
Asset Title:	**Annual PC Refresh Program**	**Cost Center:**	Information Technology		
Asset Location:	NBC-wide	**Amount:**	$ 71,250	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Replace NBC personnel computers over 5 years				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	5 Years	
Original date in service:	7/1/2021		**Original estimated Actual Useful Life:**	5 Years	

Asset Allocation No.	**OC27-033-004**				
Asset Title:	**AVEVA System Platform Upgrade**	**Cost Center:**	Information Technology		
Asset Location:	BP/FP	**Amount:**	$ 38,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Upgrade the AVEVA System Platform to 2023 R2				
Budget Account:	16555 Computer Equipment Replacement				
Type:	BETTERMENT	**Actual Useful Life:**			
Original date in service:		**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-033-005**				
Asset Title:	**Customer Care Enhancements**	**Cost Center:**	Information Technology		
Asset Location:	COB	**Amount:**	$ 25,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Enhance customer related technological processes				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	3 Years		

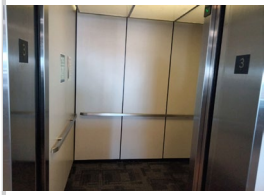
talkdesk HARRIS ServiceLink Paymentus

Asset Allocation No.	**OC27-033-006**				
Asset Title:	**Conference Room Upgrades**	**Cost Center:**	Information Technology		
Asset Location:	N/A	**Amount:**	$ 23,750	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Ensure reliability and effective communications and meetings				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	3 Years		

Asset Allocation No.	**OC27-033-007**				
Asset Title:	**Computer Room Enhancements**	**Cost Center:**	Information Technology		
Asset Location:	COB	**Amount:**	$ 23,750	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Ensure reliability and efficiency of computer room				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	3 Years		

Asset Allocation No.	**OC27-033-008**				
Asset Title:	**Ops Tech Automation Industrial Control**	**Cost Center:**	Information Technology		
Asset Location:	FP/BP	**Amount:**	$ 14,250	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection	☐ Other		
Asset Description:	Provide Ops Tech staff real-time training equipment for automation and industrial control				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-025-001**				
Asset Title:	**COB Elevator Upgrade**	**Cost Center:**	Engineering		
Asset Location:	COB	**Amount:**	$ 190,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Transport NBC personnel to and from construction job sites				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	26 Years		
Original date in service:	1/1/2000	**Original estimated Actual Useful Life:**	25 Years		



Asset Allocation No.	**OC27-025-002**				
Asset Title:	**Concrete Walkway**	**Cost Center:**	Engineering		
Asset Location:	Pretreatment Building	**Amount:**	$ 50,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Replacement of concrete walkway at Field's Point plant				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	35 Years		
Original date in service:	1/1/1992	**Original estimated Actual Useful Life:**	25 Years		

Asset Allocation No.	**OC27-025-003**				
Asset Title:	**UPS Batteries**	**Cost Center:**	Engineering		
Asset Location:	Water Quality Science Building	**Amount:**	$ 28,500	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Back up power to critical equipment				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	1/21/2017	**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-025-004**				
Asset Title:	**UPS Batteries**	**Cost Center:**	Engineering		
Asset Location:	Corporate Office Building	**Amount:**	$ 19,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Back up power to critical equipment				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	1/21/2017	**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-025-005**				
Asset Title:	**Hot Water Circulator Pump**	**Cost Center:**	Engineering		
Asset Location:	Water Quality Science Building	**Amount:**	$ 9,500	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Continuous operation of the heating system				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	1/1/2016	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-031-001**				
Asset Title:	**Financial Budgeting Software**	**Cost Center:**	Finance		
Asset Location:	COB	**Amount:**	$ 71,250	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Enhancements to financial reporting software				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-034-001**				
Asset Title:	**Customer Care System Upgrades**	**Cost Center:**	Customer Care		
Asset Location:	Customer Care Department	**Amount:**	$ 47,500	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Increase automation, modernization of business practices and methods				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	3 Years		

ADVANCED UTILITY SYSTEMS

Asset Allocation No.	**OC27-034-002**				
Asset Title:	**Vehicle 297**	**Cost Center:**	Customer Care		
Asset Location:	Customer Care Department	**Amount:**	$ 45,600	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Site visits, service order completion, WSO Posting and Shut Off.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**			
Original date in service:		**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-043-001**				
Asset Title:	**Vehicle 329**	**Cost Center:**	Interceptor Maintenance		
Asset Location:	IM Garage and Field	**Amount:**	$ 570,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Vacuuming/flushing manholes and other structures				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	7/8/2016	**Original estimated Actual Useful Life:**	10 Years		

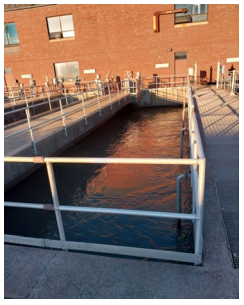
Asset Allocation No.	**OC27-044-001**				
Asset Title:	**Ops Training Equipment**	**Cost Center:**	Operations & Maintenance Services		
Asset Location:	Bucklin Point	**Amount:**	$ 133,000	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Training equipment to prepare for the national WEFTEC Operations Challenge				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	20 Years		

Asset Allocation No.	**OC27-046-001**				
Asset Title:	**Sump Pump**	**Cost Center:**	Field's Point		
Asset Location:	Tunnel Pump Station	**Amount:**	$ 233,750	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Prevents flooding				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	19 Years		
Original date in service:	1/1/2008	**Original estimated Actual Useful Life:**	15 Years		

Asset Allocation No.	**OC27-046-002**				
Asset Title:	**Tunnel Pump Cartridges**	**Cost Center:**	Field's Point		
Asset Location:	Tunnel Pump Station	**Amount:**	$ 166,250	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Pumps influent to WWTF				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	13 Years		
Original date in service:	4/12/2014	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-003**				
Asset Title:	**Bar Racks**	**Cost Center:**	Field's Point		
Asset Location:	Ernest Street Pump Station	**Amount:**	$ 161,500	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Removes large amount of debris from influent to protect downstream equipment				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	7 Years		
Original date in service:	1/1/2020	**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-046-004**				
Asset Title:	**Grit Tank Unit**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 156,750	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Grit unit at Preliminary Treatment Bldg				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	5 Years		
Original date in service:	7/1/2021	**Original estimated Actual Useful Life:**	5 Years		



Asset Allocation No.	**OC27-046-005**				
Asset Title:	**Dezurik Valves**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 95,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Isolate pumps				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	17 Years		
Original date in service:	1/1/2010	**Original estimated Actual Useful Life:**	15 Years		

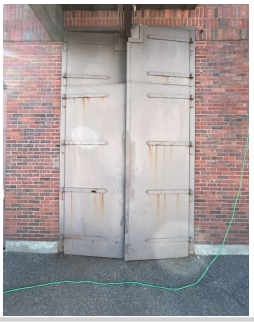
Asset Allocation No.	**OC27-046-006**				
Asset Title:	**20 MGD Sewage Pump Cartridge**	**Cost Center:**	Field's Point		
Asset Location:	Ernest Street Pump Station	**Amount:**	$ 71,250	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Pumps influent to WWTF				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	12 Years		
Original date in service:	1/20/2015	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-007**				
Asset Title:	**Stair Replacement**	**Cost Center:**	Field's Point		
Asset Location:	Pretreatment Building	**Amount:**	$ 71,250	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Replacement of stairs throughout Field's Point plant				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	42 Years		
Original date in service:	7/1/1984	**Original estimated Actual Useful Life:**	30 Years		

Asset Allocation No.	**OC27-046-008**				
Asset Title:	**Water Champ**	**Cost Center:**	Field's Point		
Asset Location:	Chlorine Contact Tank 1 and 2	**Amount:**	$ 71,250	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Helps in even distribution of chemicals				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	13 Years		
Original date in service:	10/14/2013	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-009**				
Asset Title:	**Vehicle 332**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 61,750	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Transport instrumentation staff to perform their duties				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	1/1/2016	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-010**				
Asset Title:	**Door Replacement**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 61,750	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Replace various doors at various locations				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	23 Years		
Original date in service:	1/1/2004	**Original estimated Actual Useful Life:**	20 Years		



Asset Allocation No.	**OC27-046-011**				
Asset Title:	**Grit Pump with Motor**	**Cost Center:**	Field's Point		
Asset Location:	Grit Building	**Amount:**	$ 57,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Process of separation of grit in wastewater				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	12 Years		
Original date in service:	1/15/2015	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-012**				
Asset Title:	**Flygt Mixer Rebuild**	**Cost Center:**	Field's Point		
Asset Location:	IFAS Tanks	**Amount:**	$ 57,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Mix the mixed liqueur inside the IFAS tank so the solids do not bulk and settle				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	11 Years		
Original date in service:	1/1/2016	**Original estimated Actual Useful Life:**	8 Years		

Asset Allocation No.	**OC27-046-013**				
Asset Title:	**Pump Rebuild**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 57,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	For various pumps in the plant to be rebuilt				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	1/1/2017	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-014**				
Asset Title:	**Impellers**	**Cost Center:**	Field's Point		
Asset Location:	Tunnel Pump Station	**Amount:**	$ 52,250	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Pump the contents of the tunnel to the main plant				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	14 Years	
Original date in service:	4/1/2013		**Original estimated Actual Useful Life:**	12 Years	

Asset Allocation No.	**OC27-046-015**				
Asset Title:	**Vehicle 375**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 52,250	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Transport instrumentation staff to perform their duties				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	16 Years	
Original date in service:	1/1/2011		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-016**				
Asset Title:	**Dewatering Pump with Motor**	**Cost Center:**	Field's Point		
Asset Location:	Wet Weather Pump Station	**Amount:**	$ 47,500	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Separates water from the sludge				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	14 Years	
Original date in service:	1/1/2013		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-017**				
Asset Title:	**Sewage Pump Cone Valve Actuator**	**Cost Center:**	Field's Point		
Asset Location:	Tunnel Pump Station	**Amount:**	$ 47,500	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Required for the tunnel pumping process to occur				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	19 Years	
Original date in service:	10/6/2008		**Original estimated Actual Useful Life:**	17 Years	

Asset Allocation No.	**OC27-046-018**				
Asset Title:	**Flow Meter**	**Cost Center:**	Field's Point		
Asset Location:	Grit Building	**Amount:**	$ 38,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Measures the influent flow, these flow measurements are vital to treatment process				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	1/1/2017	**Original estimated Actual Useful Life:**	8 Years		

Asset Allocation No.	**OC27-046-019**				
Asset Title:	**Plant Water Pump and Motor**	**Cost Center:**	Field's Point		
Asset Location:	Plant Water Building	**Amount:**	$ 33,250	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Circulates treated plant effluent throughout the plant				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	1/1/2017	**Original estimated Actual Useful Life:**	8 Years		

Asset Allocation No.	**OC27-046-020**				
Asset Title:	**Scum Pump with Motor**	**Cost Center:**	Field's Point		
Asset Location:	Primary Sludge Pump Station	**Amount:**	$ 28,500	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Pumps scum to tanks				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	12 Years		
Original date in service:	1/1/2015	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-021**				
Asset Title:	**Gearbox G2**	**Cost Center:**	Field's Point		
Asset Location:	Allens Ave	**Amount:**	$ 28,500	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Allows the gates to open and close as flow dictate				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	11 Years		
Original date in service:	3/13/2016	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-046-022**				
Asset Title:	**Actuator and Motor G3**	**Cost Center:**	Field's Point		
Asset Location:	India Street	**Amount:**	$ 28,500	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Exercises the gate at the G&S site # 3 for use of the tunnel during rain events				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	6/6/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-023**				
Asset Title:	**Scum Dewatering Pump**	**Cost Center:**	Field's Point		
Asset Location:	Return Sludge Pump Station 2	**Amount:**	$ 23,750	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Removes scum from secondary treatment				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	10 Years	
Original date in service:	1/1/2017		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-024**				
Asset Title:	**Suction Filter**	**Cost Center:**	Field's Point		
Asset Location:	Wet Weather Pump Station	**Amount:**	$ 19,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Protect pumps from contaminants and ensure efficient operation				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	1/1/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-025**				
Asset Title:	**Sludge Flow Meter**	**Cost Center:**	Field's Point		
Asset Location:	Gravity Thickener Pump Station	**Amount:**	$ 19,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Measures flow in/out of gravity thickener tanks 1, 2, 4				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	10 Years	
Original date in service:	1/1/2017		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-026**				
Asset Title:	**Genie Scissor lift**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 19,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Lifting employees and tools/equipment to work safely at heights				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	12 Years	
Original date in service:	5/1/2015		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-027**				
Asset Title:	**Actuator and Motor G6**	**Cost Center:**	Field's Point		
Asset Location:	Smith Street	**Amount:**	$ 19,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Exercises the gate at the G&S site # 6 for use of the tunnel during rain events				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	6/6/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-028**				
Asset Title:	**Fire Alarm Panel**	**Cost Center:**	Field's Point		
Asset Location:	MARR Storage Building	**Amount:**	$ 19,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Controls fire alarm				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	47 Years	
Original date in service:	7/1/1980		**Original estimated Actual Useful Life:**	20 Years	

Asset Allocation No.	**OC27-046-029**				
Asset Title:	**Actuators**	**Cost Center:**	Field's Point		
Asset Location:	Grit Building	**Amount:**	$ 19,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Controls air flow to grit tanks				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	1/1/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-030**				
Asset Title:	**Genie Vertical Platform**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 15,200	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Lift employees, tools and equipment safely to heights for repairs				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	12 Years	
Original date in service:	5/15/2015		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-031**				
Asset Title:	**Leak Detection System**	**Cost Center:**	Field's Point		
Asset Location:	Ernest Street Pump Station	**Amount:**	$ 14,250	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Monitor panel leak detection system				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	12/1/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-032**				
Asset Title:	**Scum Tank Skimmer**	**Cost Center:**	Field's Point		
Asset Location:	Primary Sludge Pump Station	**Amount:**	$ 14,250	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Removes scum from process at the primary stage				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	12 Years	
Original date in service:	2/1/2015		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-046-033**				
Asset Title:	**Filter Rack**	**Cost Center:**	Field's Point		
Asset Location:	Wet Weather Pump Station	**Amount:**	$ 11,875	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Keeps sump pump electrical equipment clean				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	43 Years	
Original date in service:	7/1/1984		**Original estimated Actual Useful Life:**	20 Years	

Asset Allocation No.	**OC27-046-034**				
Asset Title:	**TSS Portable Meter**	**Cost Center:**	Field's Point		
Asset Location:	Various Locations	**Amount:**	$ 6,650	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Measures Turbidity and Total Suspended Solids				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	NEW	**Actual Useful Life:**	10 Years		
Original date in service:	1/1/2017	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-001**				
Asset Title:	**Roll Off Dumpster Truck**	**Cost Center:**	Bucklin Point		
Asset Location:	Tunnel Pump Station	**Amount:**	$ 308,750	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Disposal of solids from the Tunnel Pump Station				
Budget Account:	16510 Automotive Equipment				
Type:	NEW	**Actual Useful Life:**	N/A		
Original date in service:	N/A	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-002**				
Asset Title:	**Screw Pump Gearbox with Motor**	**Cost Center:**	Bucklin Point		
Asset Location:	Effluent Pump Station	**Amount:**	$ 166,250	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Move large volumes of raw sewage and sludge				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	12 Years		
Original date in service:	4/16/2015	**Original estimated Actual Useful Life:**	12 Years		

Asset Allocation No.	**OC27-047-003**				
Asset Title:	**Effluent Pump 1 Rebuild**	**Cost Center:**	Bucklin Point		
Asset Location:	Dry Weather Effluent Pump Station	**Amount:**	$ 123,500	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Moves treated liquid to discharge point				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	7 Years		
Original date in service:	6/7/2020	**Original estimated Actual Useful Life:**	5 Years		

Asset Allocation No.	**OC27-047-004**				
Asset Title:	**Recirculation Pump and Rebuild**	**Cost Center:**	Bucklin Point		
Asset Location:	Aeration Tanks	**Amount:**	$ 85,500	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Moves treated or partially treated wastewater back to an earlier process stage				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	12 Years		
Original date in service:	1/1/2015	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-005**				
Asset Title:	**Recirculation Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Digester Control Building	**Amount:**	$ 85,500	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Moves treated or partially treated wastewater back to an earlier process stage				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	9 Years		
Original date in service:	6/15/2018	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-006**				
Asset Title:	**Doors**	**Cost Center:**	Bucklin Point		
Asset Location:	Bucklin Point	**Amount:**	$ 80,750	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Replace various doors at various locations				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	23 Years		
Original date in service:	1/1/2004	**Original estimated Actual Useful Life:**	20 Years		

Asset Allocation No.	**OC27-047-007**				
Asset Title:	**Bar Rack 2**	**Cost Center:**	Bucklin Point		
Asset Location:	Screening and Grit	**Amount:**	$ 75,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Removes large items from influent				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	8 Years		
Original date in service:	8/13/2019	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-008**				
Asset Title:	**Sludge Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Return Sludge Pump Station	**Amount:**	$ 71,250	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Pumps sludge				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	3/15/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-009**				
Asset Title:	**Safety Stairs**	**Cost Center:**	Bucklin Point		
Asset Location:	Screening and Grit	**Amount:**	$ 71,250	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Replace wooden steps with metal steps with railings, safety concern				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	1/1/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-010**				
Asset Title:	**Uninterruptible Power Supply**	**Cost Center:**	Bucklin Point		
Asset Location:	Screening and Grit Building	**Amount:**	$ 68,400	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Backup power during emergency shutdown				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	9 Years	
Original date in service:	5/4/2018		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-011**				
Asset Title:	**Actuators**	**Cost Center:**	Bucklin Point		
Asset Location:	Mixed Liquor	**Amount:**	$ 64,600	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Automate the operation of industrial valves and dampers				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	9 Years	
Original date in service:	5/17/2018		**Original estimated Actual Useful Life:**	10 Years	

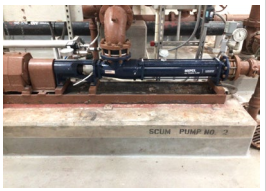
Asset Allocation No.	**OC27-047-012**				
Asset Title:	**Remote Mower**	**Cost Center:**	Bucklin Point		
Asset Location:	Bucklin Point	**Amount:**	$ 58,900	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Remote mower for Slopes				
Budget Account:	16520 Building and Plant Equipment				
Type:	NEW		**Actual Useful Life:**	N/A	
Original date in service:	N/A		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-013**				
Asset Title:	**Differential Pressure Transducers**	**Cost Center:**	Bucklin Point		
Asset Location:	Aeration Tanks 1-4	**Amount:**	$ 57,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Measure liquids, gases and vapors				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	12 Years	
Original date in service:	4/25/2015		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-014**				
Asset Title:	**RAS Sludge Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Return Activated Sludge	**Amount:**	$ 49,400	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Pumps activated sludge through process				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	13 Years	
Original date in service:	5/26/2014		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-015**				
Asset Title:	**Thickener Waste Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Gravity Belt Thickener Building	**Amount:**	$ 42,500	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Send sludge to (mixed liquor) and wastes to GBT bldg				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	10 Years	
Original date in service:	5/9/2017		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-016**				
Asset Title:	**Scum Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Dry Weather Primary Pump Station	**Amount:**	$ 42,750	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Removes scum				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	9 Years		
Original date in service:	2/1/2018	**Original estimated Actual Useful Life:**	10 Years		



Asset Allocation No.	**OC27-047-017**				
Asset Title:	**Scum Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Primary Scum Pump Station	**Amount:**	$ 38,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Removes scum				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**			
Original date in service:		**Original estimated Actual Useful Life:**			

Asset Allocation No.	**OC27-047-018**				
Asset Title:	**Centrate Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Sludge Dewatering Building	**Amount:**	$ 33,250	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Pushes the water towards the outer edges of the casing				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	13 Years		
Original date in service:	6/9/2014	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-019**				
Asset Title:	**Hypo Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Bucklin Point	**Amount:**	$ 30,400	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Pumps hypo to RAS line				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	8 Years		
Original date in service:	7/24/2019	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-020**				
Asset Title:	**Uninterruptible Power Supply**	**Cost Center:**	Bucklin Point		
Asset Location:	GBT and Sludge Dewatering	**Amount:**	$ 28,500	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Backup power during emergency shutdown				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	7 Years	
Original date in service:	1/1/2020		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-021**				
Asset Title:	**Level Indicator**	**Cost Center:**	Bucklin Point		
Asset Location:	Influent Pump Station	**Amount:**	$ 26,125	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Level measurement and control for chemical, water, wastewater, oil, and solids applications				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	10 Years	
Original date in service:	5/5/2017		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-022**				
Asset Title:	**Dewatering Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Dewatering Pump Dry Weather	**Amount:**	$ 25,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Separates water from sludge				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	5/15/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-023**				
Asset Title:	**Dewatering Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Wet Weather Dewatering Pump Station	**Amount:**	$ 23,750	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Separates water from sludge				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	9 Years	
Original date in service:	12/8/2018		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-024**				
Asset Title:	**Dewatering Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Scum Pump Station	**Amount:**	$ 23,750	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Separates water from sludge				
Budget Account:					
Type:	REPLACEMENT	**Actual Useful Life:**			
Original date in service:		**Original estimated Actual Useful Life:**			

Asset Allocation No.	**OC27-047-025**				
Asset Title:	**Hot Water Recycling Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Heat Exchange Building	**Amount:**	$ 23,500	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Continuously circulates hot water from your heater through your pipes and back				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	6/14/2017	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-026**				
Asset Title:	**Scum Mixer Rebuild**	**Cost Center:**	Bucklin Point		
Asset Location:	Bucklin Point	**Amount:**	$ 21,850	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Mixes scum				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	12 Years		
Original date in service:	11/4/2015	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-047-027**				
Asset Title:	**Grit Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Bucklin Point	**Amount:**	$ 20,900	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Moves removed grit from the grit chambers to a grit classifier				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	10 Years		
Original date in service:	7/24/2017	**Original estimated Actual Useful Life:**	10 Years		

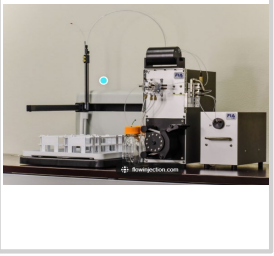
Asset Allocation No.	**OC27-047-028**				
Asset Title:	**Pump Check Valve**	**Cost Center:**	Bucklin Point		
Asset Location:	Omega Pump Station	**Amount:**	$ 20,900	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Ensures efficient fluid flow in one direction				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	11 Years	
Original date in service:	7/16/2016		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-047-029**				
Asset Title:	**Wash Booster Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	GBT Building	**Amount:**	$ 14,250	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Cleans gravity thickener belt				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	9 Years	
Original date in service:	5/25/2018		**Original estimated Actual Useful Life:**	10 Years	

Asset Allocation No.	**OC27-053-001**				
Asset Title:	**Gas Chromatography and Purge and Tra**	**Cost Center:**	Laboratory		
Asset Location:	Water Quality Science Building	**Amount:**	$ 237,500	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Test for organic volatile compounds in permit samples for FP and BP plants and SIU samples				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	10 Years	
Original date in service:	6/1/2017		**Original estimated Actual Useful Life:**	5 Years	

Asset Allocation No.	**OC27-053-002**				
Asset Title:	**Internal Temperature Monitoring Systen**	**Cost Center:**	Laboratory		
Asset Location:	Water Quality Science Building	**Amount:**	$ 128,250	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Controls proper temperature environment to hold, incubate, and process Permit samples				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT		**Actual Useful Life:**	13 Years	
Original date in service:	10/10/2014		**Original estimated Actual Useful Life:**	5 Years	

Asset Allocation No.	**OC27-053-003**				
Asset Title:	**Robotic Module System**	**Cost Center:**	Laboratory		
Asset Location:	Water Quality Science Building	**Amount:**	$ 52,250	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Analysis of permit samples for phosphorus, cyanide, and nitrogen				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	4 Years		
Original date in service:	6/20/2023	**Original estimated Actual Useful Life:**	5 Years		



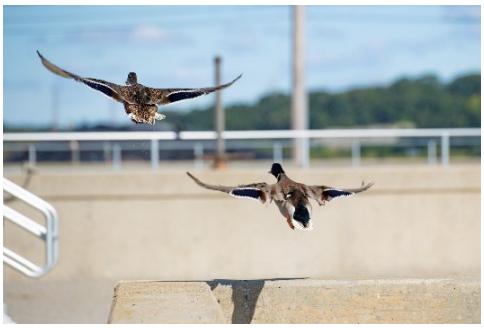
Asset Allocation No.	**OC27-055-001**				
Asset Title:	**Fixed Site Sondes, Probes, Meters**	**Cost Center:**	Environmental Monitoring		
Asset Location:	Upper Narragansett Bay	**Amount:**	$ 76,950	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Conduct real-time water quality monitoring				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	5 Years		
Original date in service:	4/13/2022	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-055-002**				
Asset Title:	**Vehicle 324**	**Cost Center:**	Environmental Monitoring		
Asset Location:	Field's Point	**Amount:**	$ 47,500	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Collects RIPDES-required samples from treatment facilities, industrial users, CSO sites, and manholes				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT	**Actual Useful Life:**	11 Years		
Original date in service:	8/2/2016	**Original estimated Actual Useful Life:**	10 Years		

Asset Allocation No.	**OC27-055-003**				
Asset Title:	**Refrigerated Autosampler Parts**	**Cost Center:**	Environmental Monitoring		
Asset Location:	Field's Point/Bucklin Point	**Amount:**	$ 13,300	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Parts to upgrade two autosamplers for RIPDES compliance and process monitoring				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	BETTERMENT	**Actual Useful Life:**	N/A		
Original date in service:	1/21/2014	**Original estimated Actual Useful Life:**	7 Years		

Capital Improvement Program

The Narragansett Bay Commission's (NBC) Capital Improvement Program (CIP) identifies programmed capital investments necessary to comply with current and future regulatory requirements, take advantage of technological advancements, ensure the integrity of NBC's infrastructure, and achieve operational efficiencies. The projects, schedules, and costs included in the CIP have been developed through a planning process that involves NBC's engineering and construction staff and incorporates needs identified through NBC's asset management program. These capital improvements include the construction of new facilities, the rehabilitation and replacement of existing infrastructure, as well as energy efficiency and sustainability projects. The CIP shows programmed expenditures for the current fiscal year (FY) 2027 as well as the following five years (FY 2028-2032).



Birds flying over Field's Point WWTF

Capital Improvement Program Overview

The CIP identifies 47 projects that are in progress, planned for initiation, or scheduled for completion during FY 2027–2032 at an estimated cost of $454.7 million, along with two additional projects scheduled to begin after FY 2032. Of this total, 67.4% are for construction and construction management. Project costs programmed in FY 2027 and FY 2028 account for 51.5% of the total. See the table below for the FY 2027-2032 CIP costs by category.

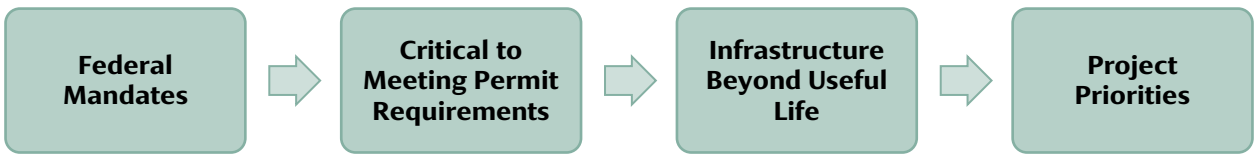
FY 2027-2032 CIP Costs by Category

(In Thousands)

Category	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2027 - 2032
Administrative	$ 5,428	$ 3,847	$ 2,600	$ 1,857	$ 945	$ 957	$ 15,632
Land	7	2,032	25	-	1,000	-	3,064
A/E Professional	20,808	11,828	5,247	3,228	3,232	2,602	46,945
Construction	66,133	76,827	86,391	28,520	27,177	21,517	306,564
Contingency	13,216	23,536	20,721	6,521	2,319	1,136	67,449
Other	6,000	4,674	1,565	1,481	1,008	308	15,037
	$ 111,592	**$ 122,745**	**$ 116,549**	**$ 41,607**	**$ 35,679**	**$ 26,520**	**$ 454,691**

Capital Improvement Program Development

NBC's capital improvement planning process evaluates each project's relationship with the strategic plan, compliance with federal mandates and permit requirements, infrastructure replacement needs, and overall project readiness, among other considerations. The CIP drives NBC's long-term financing requirements, and therefore, the particulars of each project are an essential component of NBC's financial plan.



NBC's Project Managers begin the annual CIP process with the development of detailed justifications for each capital project, including project scope, basis for the cost estimate, and key factors impacting costs and schedules. Project Managers also explain modifications from the prior year's CIP and provide the overall

project schedule. The CIP Review Committee examines the proposed capital projects, including the assignment of priorities and schedules. Projects approved for inclusion in the CIP are subsequently analyzed to assess major program changes, overall capital funding needs, the strength of the project's connection to the objectives in NBC's Strategic Plan, as well as financing and operating cost impacts. The Controller ensures asset criteria are met and approves the capitalization of assets, including the determination of an asset's useful life. The CIP calendar is shown below:

Capital Improvement Program Calendar

Capital Project Budget Administration

Project Identification and Preliminary Funding

The Executive Director is authorized to expend funds on capital projects for preliminary planning, staff time, and other services to assess project need, scope, and feasibility before project review and approval by the Board for inclusion in the CIP and/or as stand-alone projects. Once a capital project is identified, the Project Manager works with Finance to assign a project name and number, establish a preliminary budget, and designate a funding source. Before incurring any expenditures on a capital project, the budget must be established within the project module of the Enterprise Resource Planning (ERP) system.

Capital Project Budgets, Budget Amendments, and Funding

New CIP Projects

Once it is determined that a project will move forward, the Project Manager develops costs and schedules for each phase of the project. Project Managers must complete the "Initial Request for Capital Budget" form in the CIP workbook for all new projects. Finance then establishes preliminary capital budgets by funding source in the ERP, which may or may not be funded depending on project readiness and Board approval. Expenditure types include labor, architectural/engineering services, contracts, police detail, legal services, land, contingency, etc.

Existing CIP Projects

Project Managers update the capital budgets by expenditure type in the CIP workbooks. After Board approval of the CIP, Finance updates the capital budgets by expenditure type to reflect the updated cash draws.

Board authorization is required to execute new contracts exceeding $20 thousand and contract change orders or amendments exceeding 5% of the total contract amount. The authorizing resolution typically includes an allowance for ancillary costs such as labor, police, and legal services. Once the Board authorizes the engagement of an outside vendor, the Project Manager submits a "Request for Capital Budget Change Form" to align the capital budget by expenditure type with the contract amount, ancillary costs, and labor. The Project Manager also submits a request for funding authorization. Finance adds the new expenditure types to the initial capital project budget and assigns funding sources, enabling the costs to be chargeable to the appropriate funding source.

Additional capital budget amendments by expenditure type may be authorized during the fiscal year to reflect change orders, and Finance may also modify funding sources. Please refer to the Long-Term Financial Plan section of the Budget for information regarding the financing and funding sources of the CIP.

Capital budgets are monitored by project, expenditure type, and funding source monthly. Updated cash draws are requested if variances are significant. NBC also conducts monthly capital project meetings to review project status.

Capital Improvement Program Assumptions

The costs and schedules included in this year's CIP reflect NBC's best estimates and are based on several assumptions as follows:

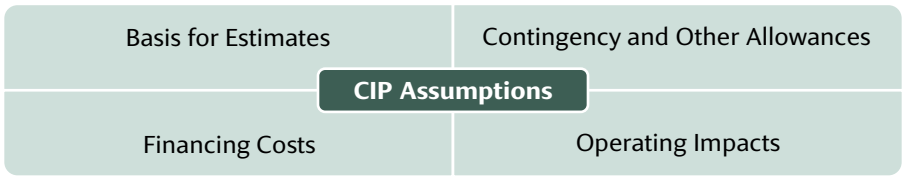
- Costs and cash draws are based on planning or design estimates and/or bids once available.
- Preliminary construction project cost estimates include a contingency based upon an engineering assessment of the complexity of the project and industry experience. Project contingencies may be subsequently modified based on the bids and information obtained during construction. Cost estimates

for new design and construction projects include an allowance for NBC staff salary and fringe associated with project management, based on historical experience.

- Financing costs and debt service associated with the CIP are not included in the CIP expenditures or the project cash flows. Financing costs are expensed in the operating budget in the year they are incurred. The debt service payments (principal and interest) are included as an expense in the annual operating budget.

- The CIP does not include the acquisition or replacement of certain assets included in the five-year Operating Capital Program as part of the Capital Budget.

- Impacts of CIP projects on the Operating Budget are estimated based on prior experience and engineering estimates.

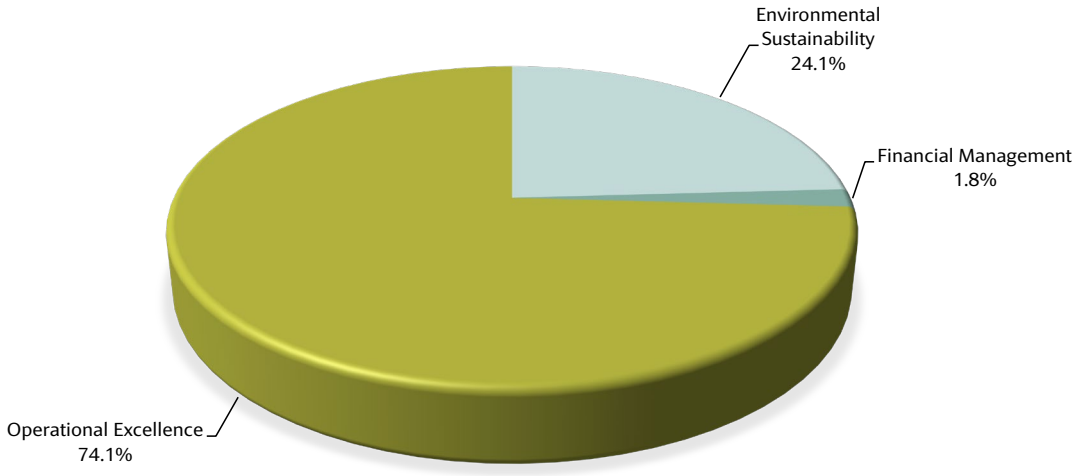


Capital Projects by Strategic Plan Pillar

NBC's Strategic Plan provides the framework for meeting regulatory water-quality requirements through the achievement of both short-term and long-term objectives in a cost-effective manner. Due to the magnitude of the CIP and NBC's funding constraints, proposed capital improvements are evaluated based on strategic value, with each project assigned one or more key strategic codes within the Strategic Plan Pillar.

Approximately 74.1% of the projects align with the Operational Excellence Pillar, primarily supporting initiatives that enhance operational efficiency and effectiveness, and prepare for new regulatory requirements in future RIPDES permits. This is followed by the Environmental Sustainability Pillar at 24%, which advances climate resiliency strategies and expands the sustainability program. The remaining 1.8% of projects are focused on the Financial Management Pillar.

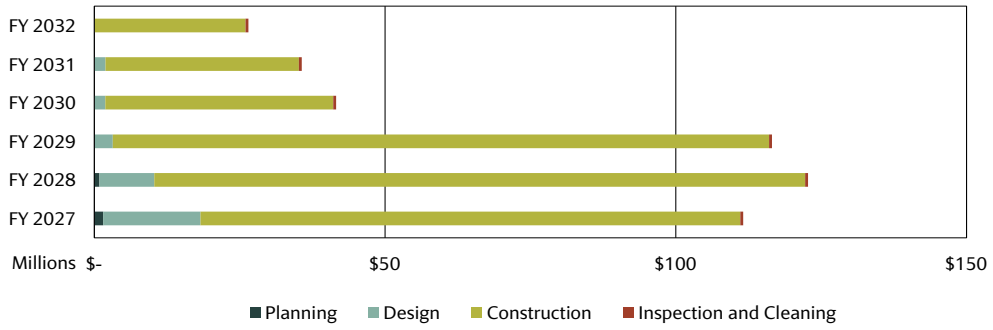
CIP Projects by Strategic Plan Pillar



Capital Expenditures by Phase

NBC's capital projects typically include planning, design, and construction phases. The planning phase includes feasibility studies and the determination of the technology to be implemented. The design phase involves the development of plans and specifications, the acquisition of land and easements, and permits. During the construction phase, facility improvements and infrastructure are constructed. The CIP also includes some programmed capital projects which are not separated into phases, such as the inspection and cleaning of NBC's interceptors, or other one-time special studies. As shown in the chart below, the construction phase accounts for the majority of the programmed expenditures during fiscal years 2027 – 2032, representing 91.5% or $416.0 million.

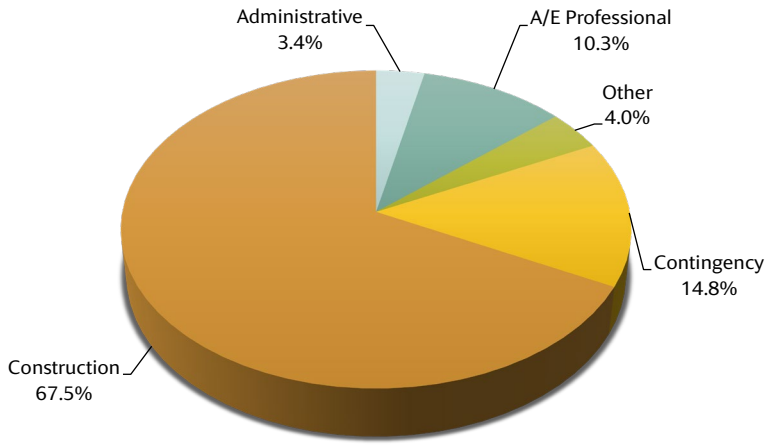
FY 2027-2032 Capital Expenditures by Phase
(In Millions)



Capital Expenditures by Cost Category

Capital expenditures are divided into five cost categories as shown in the graph below. The Administrative cost category includes NBC's project management costs as well as traffic control, legal services, and advertising expenses. The Architectural/Engineering (A/E) Professional cost category involves professional planning or design services. The Construction cost category includes contractor and outside construction management costs. The Contingency cost category includes a provision for construction cost increases based upon industry experience related to construction cost factors. As shown in the chart below, Construction costs are approximately 67.5% or $306.6 million of the total costs for FY 2027 - FY 2032. Contingency is 14.8% or $67.4 million, and A/E Professional Services is 10.3% or $46.9 million during this same period. The remaining 7.4% or $33.7 million is for Administrative and Other cost categories, which include NBC labor, advertising, legal services, and land.

CIP Costs by Cost Category



Capital Expenditures by Functional Area

NBC groups capital projects into eight functional areas according to the scope of the capital project. The functional areas are identified in the following table.

Functional Area	Project Examples
Wastewater Treatment Facilities (WWTF) Improvements	WWTF Improvements, Sludge Digestion Facilities, Long-Range Regional Biosolids Disposal, Biosolids Management Facility Upgrades, Data Communications Upgrades, and Wet Weather Clarifier Facility Improvements
Bucklin Point Resiliency Improvements	Ultraviolet (UV) Disinfection, WWTF Improvements, and Standby Power
Field's Point Resiliency Improvements	Ernest Street Pump Station, Maintenance and Storage Buildings, WWTF Improvements, Septage Receiving Station Replacement, Facility Improvements, and Standby Power
Infrastructure Management	Special Studies, Energy Sustainability, RIPDES Compliance Improvements, PFAS Testing and Monitoring, Compound Testing Equipment, Asset Management Program Support Services, and ERP Replacement, WWTF Process Model and Simulator Development
CSO Phase III Facilities	CSO Phase III A, B, C, and D
Sewer System Improvements	Easement Restoration, Sewer System, and Pump Stations
Interceptor Inspection and Cleaning	Remote Television Inspections, Grit/Debris Removal, and Disposal
Interceptor Restoration and Construction	Expansion, Improvements, Lining of Interceptors, and Manhole Rehabilitation

The following table shows how the CIP costs have shifted by functional area on a year-to-year basis.

Expenditures by Functional Area
(In Thousands)

Functional Area	FY 2026-2031	FY 2027-2032	Change	Percent Change
CSO Phase III Facilities	$ 255,791	$ 151,837	$ (103,954)	(40.6%)
Field's Point Resiliency Improvements	104,971	101,101	(3,870)	(3.7%)
Wastewater Treatment Facility Improvements	84,493	136,710	52,217	61.8%
Sewer System Improvements	26,724	31,739	5,016	18.8%
Bucklin Point Resiliency Improvements	15,240	5,737	(9,503)	(62.4%)
Interceptor Restoration and Construction	12,993	14,028	1,035	8.0%
Infrastructure Management	8,684	10,539	1,855	21.4%
Interceptor Inspection and Cleaning	3,000	3,000	-	0.0%
Total	**$ 511,896**	**$ 454,691**	**$ (57,204)**	**(11.2%)**

On a year-over-year basis, the Wastewater Treatment Facility Improvements functional area shows the largest increase at 61.8% over the prior year. The increase is a result of several changes. The most notable change is the expanded scope of the Biosolids Management Facility Upgrades Project (20701), which includes a comprehensive plan to evaluate, design, and implement both immediate and long-term upgrades to the biosolids dewatering systems at the Field's Point and Bucklin Point treatment facilities. With the new scope, the estimated cost has increased to $104.5 million. The second largest increase is from the Data Communications Upgrades and WWTF Network Improvements Project (20801) at an estimated cost of $18.8 million. This increase is a result of the inclusion of upgrades to the Distributed Control System (DCS) Ethernet Loop and a new Programmable Logic Controller. Finally, the increase is also attributed to the inclusion of

two new projects, the FPWWTF CSO Tunnel System Improvements Project (21000) and the Miscellaneous HVAC Improvements Project (21100), totaling an additional $2.0 million over the prior year.

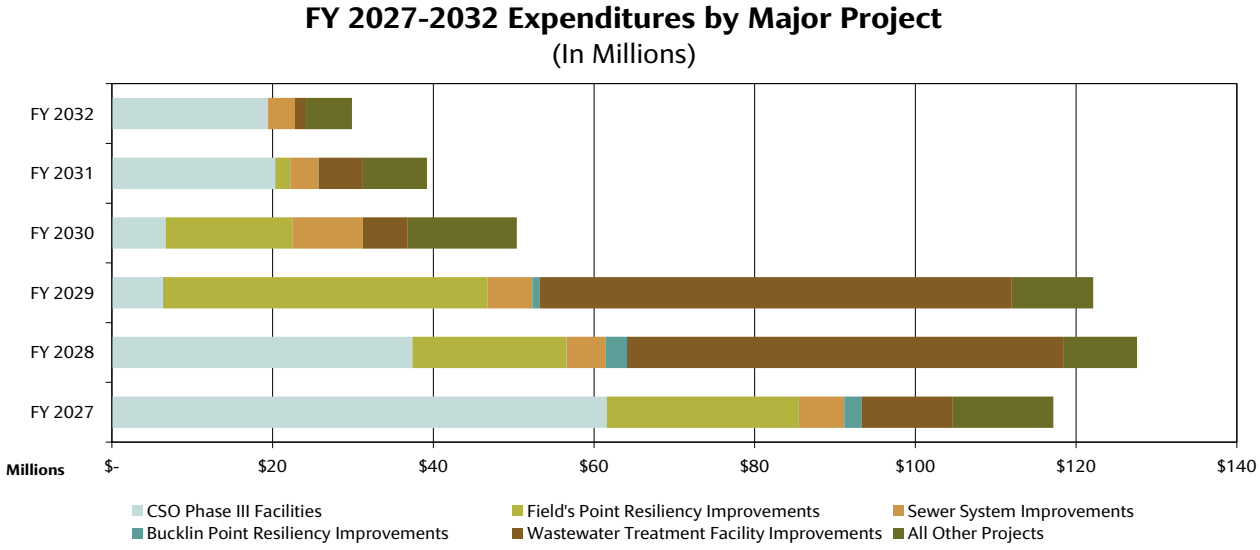
The most notable decrease from last year's CIP is for the CSO Phase III Facilities functional area at $104.0 million less than the prior year. The reduction is attributable to construction progress on the CSO Phase III A Pawtucket Tunnel and Pump Station Shaft Project (30801), which will be 100% complete in FY 2027, and the completion of CSO Phase III A Facilities - OF 205 Project (30803) in FY 2026.

Significant Capital Improvement Projects

The most significant projects in this year's CIP are the CSO Phase III Facilities at $151.8 million or 33.4% of programmed costs for FY 2027 - FY 2032. This is followed by the Wastewater Treatment Facility Improvements projects at $136.7 million or 30.1%, followed by the Field's Point Resiliency Improvements projects at $101.1 million or 22.2%, the Sewer System Improvements projects at $31.7 million or 7.0%, and $5.7 million or 1.3% for the Bucklin Point Resiliency Improvements projects. The following table and graph show the programmed expenditures for the major projects included in FY 2027 - 2032. A discussion of the capital projects is on the following pages.

Largest Capital Projects
(In Thousands)

Project	Estimated Cost FY 2027 - 2032	Percent of Total
CSO Phase III Facilities	$ 151,837	33%
Wastewater Treatment Facility Improvements	136,710	30%
Field's Point Resiliency Improvements	101,101	22%
Sewer System Improvements	31,739	7%
Bucklin Point Resiliency Improvements	5,737	1%
All Other Projects	27,567	6%
Total	**$ 454,691**	**100%**



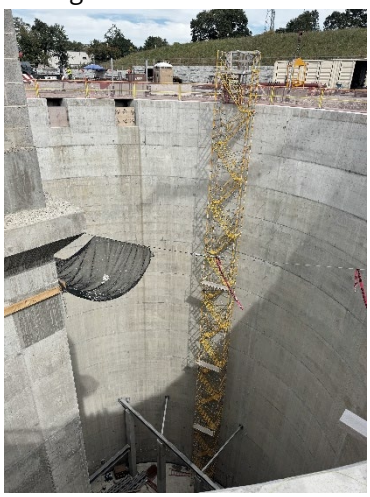
Comprehensive Combined Sewer Overflow (CSO) Program

The largest project in the CIP is the CSO Phase III Facilities at an estimated cost of $151.8 million over fiscal years 2027 – 2032. NBC is under a Consent Agreement with RIDEM to implement a federally mandated CSO Abatement Program that will address NBC's 65 CSOs in both the Field's Point and Bucklin Point service areas. NBC is in the third and final phase of the program and executed the Consent Agreement with RIDEM on January 11, 2019. The Phase III CSO Program consists of four phases to be completed by FY 2043. The program incorporates Green Stormwater Infrastructure (GSI) facilities to be constructed in each of the four phases to reduce stormwater inflow to the existing CSO system by implementing stormwater infiltration projects, with expenditures of $10.0 million on GSI in each phase.

The current estimate, which includes "other" costs (NBC labor, traffic control, etc.), for the four phases of the CSO Phase III Facilities is $1.4 billion. Costs for Phase III A and Phase III B projects are based on a combination of bids received and professional engineering estimates for contracts not yet advertised.

The costs for Phase III C and Phase III D projects are derived from original estimates received in 2018. The costs for these phases have been escalated to 2023 costs by 18% based on the National Construction Cost Index (CCI). Beyond 2023, these projects are forecasted to increase by 3% annually to account for inflation through the midpoint of design and construction.

A description of the facilities, estimated cost, start, and completion dates for each of the four phases is as follows.



CSO Phase III A Pawtucket Tunnel Pump Station Shaft

CSO Phase III Program

(In Millions)

Phase	Scope	Estimated Cost	Start	Completion
Phase III A	Design and construction of a 11,600 foot long deep rock tunnel in Pawtucket, a tunnel pump station to convey flow to the Bucklin Point WWTF, drop shafts and consolidation conduits and improvements to the Bucklin Point WWTF. This project includes modifications to regulators and construction of GSI facilities. Design of the Phase III B is also included in the cost of Phase III A.	$ 907.1	4/1/2013	2/1/2028
Phase III B	Phase III B includes construction of the upper BVI gate and screening structure, interceptor Relief, and consolidation conduit. These facilities will convey flow to the tunnel to be built in Phase III A. In addition, GSI facilities will be constructed as part of Phase III B. Regulator modifications and one sewer separation project will be included as part of Phase III B.	$ 45.5	2/1/2030	7/30/2032
Phase III C	Design and construction of a stub tunnel that will convey flow from CSO OF 220 to the Pawtucket tunnel constructed in Phase III A. GSI facilities will be constructed as part of Phase III C.	$ 285.7	8/1/2033	2/1/2040
Phase III D	Design and construction of an interceptor to store flow from OF 039 and OF 056 and release flow as capacity allows. GSI facilities will be constructed as part of Phase III D.	$ 160.7	3/1/2037	2/1/2043
	Total	$ 1,399.0		

CSO Phase III A Facilities

The CSO Phase III A Facilities consist of eleven construction projects in addition to the Design and Construction Program Management Project (30800). The programmed cost for the CSO Phase III A Facilities is $106.5 million during FY 2027 - FY 2032, a decrease of $103.7 million or 50.7% reduction over last year's CIP. The decrease is primarily resulting from the completion of the OF 205 Project (30803) and continued progress on the Pawtucket Tunnel and Pump Station Shaft Project (30801), which is anticipated to be completed in early FY 2027.

CSO Phase III A Pawtucket Tunnel Pump Station Fit-Out Construction Site

The largest project of this phase is the Pawtucket Tunnel and Pump Station Shaft Project (30801) at an estimated cost of $493.4 million. Project 30801 includes construction of a 11,600-foot-deep rock tunnel in Pawtucket along with a tunnel pump station to convey the flow to the Bucklin Point WWTF. Due to the technical complexity of this project, NBC is using a design-build approach. The Pawtucket Tunnel and Pump Station Shaft Project will be completed early FY 2027.

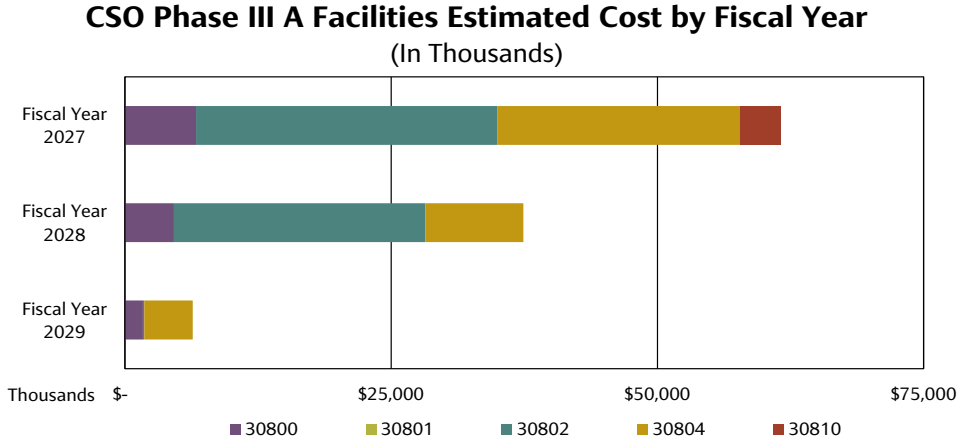
The following table shows the CSO Phase III A projects, their estimated cost, construction start and end dates, as well as the percentage complete.

CSO Phase III A Facilities Costs, Schedule, and Percent Complete

(In Millions)

Project Number	Project Name	Estimated Cost	Construction Start Date	Construction End Date	Percent Complete
30800	CSO Phase III A Facilities - Design and Construction Program	$ 122.0	N/A	N/A	
30801	CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station Shaft	493.4	Dec-20	Jul-26	100%
30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out	131.2	Feb-24	Nov-27	60%
30803	CSO Phase III A Facilities - OF 205	6.7	Mar-23	Jan-26	100%
30804	CSO Phase III A Facilities - OF 210, 213, 214	62.4	Jan-24	Jun-29	41%
30805	CSO Phase III A Facilities - OF 217	13.1	Dec-21	Oct-23	100%
30807	CSO Phase III A Facilities - Regulator Modifications	5.7	Apr-21	Aug-23	100%
30808	CSO Phase III A Facilities - GSI Demonstration	1.8	Sep-19	Feb-21	100%
30809	CSO Phase III A Facilities - GSI Projects	9.2	Nov-19	Apr-23	100%
30810	CSO Phase III A Facilities - BPWWTF Clarifiers and Flow Splitters	60.3	Jul-22	Dec-26	94%
30811	CSO Phase III A Facilities - High Street Demo	0.2	Nov-18	Dec-19	100%
30813	CSO Phase III A Facilities - Site Demolition	1.1	May-20	Nov-20	100%
	Total	**$ 907.1**			

The following graph shows the CSO Phase III A Facilities over the next three fiscal years. The estimated annual expenditure on this project is expected to decrease from $61.6 million in FY 2027 to $37.4 million in FY 2028 and $6.4 million in FY 2029 when the project is substantially complete.



CSO Phase III B Facilities

This year's CIP includes programmed construction costs for the CSO Phase III B Facilities Project (30830), estimated to start in January 2029. Design of the CSO Phase III B Facilities was completed as part of the CSO Phase III A design. CSO Phase III B includes construction of a gate and screening structure, interceptor relief, and consolidation conduit. These structures are designed to convey flow to the tunnel built in Phase III A. The construction cost estimate is $45.5 million, and the project is programmed for completion in early FY 2033.

CSO Phase III B Facilities Costs, Schedule and Percent Complete
(In Thousands)

Project Number	Major Project	FY 2027 - 2032 CIP	Total Estimated Cost	Percent Complete	Construction Start Date	Construction End Date
30830	CSO Phase III B Facilities	$ 45,293	$ 45,507	0%	Feb-30	Jul-32
Total		**$ 45,293**	**$ 45,507**			

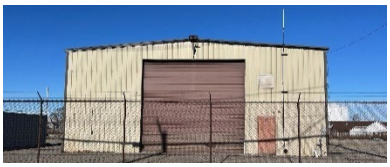
Field's Point Resiliency Improvements

NBC identified the following projects to address resiliency concerns at Field's Point WWTF. The total estimated cost for these projects is $101.1 million over the FY 2027–2032 period.

Field's Point Resiliency Improvements
(In Thousands)

Project Number	Major Project	FY 2027 - 2032 CIP	Total Estimated Cost	Percent Complete
20300	FPWWTF Improvements	$ 29,204	$ 38,486	24%
20500	FPWWTF Maintenance and Storage Buildings	28,017	29,611	26%
20400	FPWWTF Ernest Street Pump Station Improvements	25,607	34,479	5%
40101	FPWWTF Electrical Improvements	11,072	12,228	9%
71000	Lincoln Septage Receiving Station Replacement	7,202	8,884	19%
Total		**$ 101,101**	**$ 123,688**	

FPWWTF Improvements Project (20300) at an estimated cost of $29.2 million focuses on several improvements and upgrades to the Field's Point WWTF. The most significant items are the disinfection system, a new transformer, replacement of the water automatic strainer system, plant water pumping system modifications, the odor control unit at the Gravity Thickener Building, and construction of three new Variable Frequency Drive units (VFDs) for the return activated sludge pumps.



IM Storage Building

FPWWTF Maintenance and Storage Buildings Project (20500), at an estimated cost of $28.0 million, involves the replacement of the maintenance building, the Interceptor Maintenance (IM) storage building, and related support facilities at the Field's Point campus to address resiliency and aging infrastructure goals.

FPWWTF Ernest Street Pump Station Improvements Project (20400), at an estimated cost of $25.6 million, includes improvements to NBC's largest pump station located adjacent to Field's Point. Improvements include the replacement of large diameter valves, gates, actuators, flow meters, pumps, VFDs, instrumentation and control units, influent screening, motor control centers, motor protectors, electrical power systems, and a new standby power generator. In addition, the project includes modifications to the building's roofing system, air handling units, and other infrastructure.

FPWWTF Ernest Street Pump Station

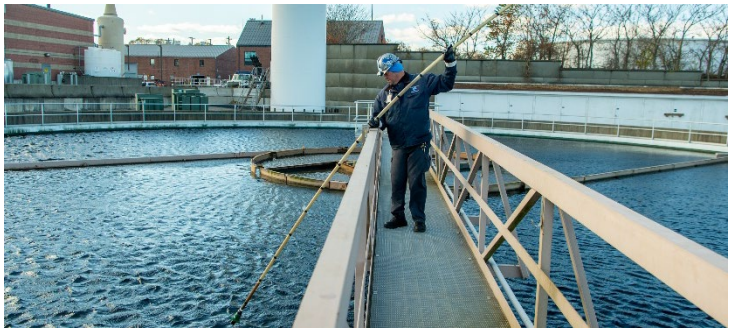
At an estimated cost of $11.1 million, the FPWWTF Electrical Improvements Project (40101) involves the evaluation and installation of standby power capabilities for critical facilities at the FPWWTF to maintain uninterrupted operation of treatment processes.

Lincoln Septage Receiving Station

To replace NBC's 30-year-old septage receiving station that is beyond its useful life, the Lincoln Septage Receiving Station Replacement Project (71000), estimated to cost $7.2 million, includes design and construction of a new facility that will operate automatically and provide preliminary treatment and testing of septage before discharge into the collection system. The new facility will contain an odor control system to mitigate and manage fugitive emissions and odors.

Wastewater Treatment Facility (WWTF) Improvements

This year's CIP includes $136.7 million for projects related to NBC's Wastewater Treatment Facilities.



NBC Operator performing Depth of Bed (DOB) Measurement to ensure optimal system conditions at FPWWTF

The CIP includes three projects related to biosolids treatment and disposal. Most notable is a new Biosolids Management Facility Upgrades Project (20701) at an estimated cost of $104.5 million. This project involves the comprehensive evaluation, planning, and development of immediate and long-term upgrades to the biosolids dewatering facilities at NBC's Field's Point and Bucklin Point WWTF's. The CIP also includes the BPWWTF Sludge Digestion Facility Improvements Project (81800) at a cost of $372 thousand, which involves upgrades to the sludge digester

complex, including improvements to the primary and secondary digesters, piping systems, valves, equipment, and related infrastructure that are required to address operational needs. Lastly, the Long-Range Regional Biosolids Disposal Project (20700) at an estimated cost of $2.6 million involves the evaluation, planning and development of a long-term regional biosolids management solution.

Data Communications Upgrades and WWTF Network Improvements Project (20801) at a cost of $18.8 million involves the implementation of innovative, open architecture-type Ethernet based hybrid data control system upgrades to ensure system viability.

NBC operator measuring oxygen levels in the Integrate Fixed-Film Activated Sludge (IFAS) Tank at FPWWTF

FPWWTF Wet Weather Clarifier Facility Improvements Project (20900) at a cost of $5.1 million consists of the evaluation, design and construction of upgrades to the aging Field's Point WWTF's Wet Weather Clarifier Complex.

BPWWTF Service Building Demolition Project (81701) at a cost of $3.0 million consists of the demolition of the old service building along with the relocation of select utilities.

Two new projects are planned within this functional area this year. The Field's Point CSO Tunnel System Improvements Project (21000), funded at $1.0 million, will support the evaluation, design, and construction of upgrades to the Field's Point CSO Storage Tunnel System, including the main pumping station, gate and screening structures, and other related facilities. The Miscellaneous HVAC Improvements Project (21100), also funded at $1.0 million, will provide for the replacement, upgrade, and modification of critical HVAC systems necessary to ensure continuous and reliable operations at NBC's facilities.

The following table shows the WWTF functional area projects and estimated costs for FY 2027-2032. The CIP also includes annual programmed allocations of $500 thousand for WWTF Improvements Project (20000) to ensure resources are available in years that do not have specific projects identified.

WWTF Improvements
(In Thousands)

Project Number	Major Project	FY 2027 - 2032 CIP	Total Estimated Cost	Percent Complete
20701	Biosolids Management Facility Upgrades	$ 104,459	$ 107,992	3%
20801	Data Communications Upgrades and WWTF Network	18,789	19,433	3%
20900	FPWWTF Wet Weather Clarifier Facility Improvement	5,119	5,585	8%
81701	BPWWTF Service Building Demolition	2,982	3,005	1%
20700	Long-Range Regional Biosolids Disposal	2,559	3,260	21%
21100	Miscellaneous HVAC Improvements	1,023	1,291	21%
21000	FPWWTF CSO Tunnel System Improvements	981	1,009	3%
81800	BPWWTF Sludge Digestion Facility Improvements	372	14,457	97%
92000	Stormwater Education Resource Center	250	265	6%
24000	NBC Facility Electrical Improvements	178	601	70%
20000	WWTF Improvements	-	500	6%
	Total	**$ 136,710**	**$ 157,398**	

Sewer System Improvements

The Sewer System functional area encompasses projects related to the collection system and includes six projects at an estimated cost of $31.7 million between FY 2027 and FY 2032.

Saylesville Pump Station

The Saylesville Pump Station Improvements Project (72100) at a cost of $9.2 million and the Omega Pump Station Improvements Project (70900) at a cost of $8.9 million involve a condition assessment, evaluation, design, and construction of resiliency-related upgrades. The Reservoir Avenue Pump Station Improvements Project (72000) at a cost of $4.6 million focuses on facility upgrades to ensure the continued reliability of this aging infrastructure. The NBC System-wide Regulator Modifications Project (30610), at a cost of $1.6 million is to address hydraulic capacity limitations in NBC's collection system and eliminate surcharges. The CIP continues to support NBC's Easement Management program with the NBC Interceptor Easements Restoration Project (30500) at a cost of $1.6 million. Design work is estimated to start in FY 2030 for the Interceptor Maintenance Building Project (12400) if NBC is required by legislation to assume ownership of lateral sewers currently owned by local communities within its district.

Programmed Sewer System Improvements are shown in the following table.

Sewer System Improvements
(In Thousands)

Project Number	Major Project	FY 2027 - 2032 CIP	Total Estimated Cost	Percent Complete
72100	Saylesville Pump Station Improvements	$ 9,211	$ 9,229	0%
70900	Omega Pump Station Improvements	8,941	8,978	0%
12400	Interceptor Maintenance Building	5,851	12,881	0%
72000	Reservoir Avenue Pump Station Improvements	4,560	5,241	13%
30610	NBC System-wide Regulator Modifications	1,598	2,396	33%
30500	NBC Interceptor Easements Restoration, Various Locations	1,578	1,578	0%
	Total	**$ 31,739**	**$ 40,302**	

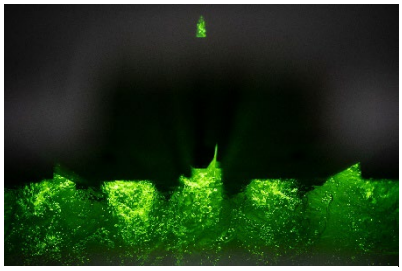
Bucklin Point Resiliency Improvements (BP Resiliency Improvements)

BP Resiliency Improvements was identified as part of NBC's resiliency planning process and consists of three separate projects. Of the three projects, the BPWWTF Operations and Maintenance Buildings Project (81700) is complete. The following table shows the BP Resiliency Improvements estimated costs by project. As shown in the following table, the estimated costs for these projects over the FY 2027 – 2032 window are $5.7 million.

Bucklin Point Resiliency Improvements
(In Thousands)

Project Number	Major Project	FY 2027 - 2032 CIP	Total Estimated Cost	Percent Complete
81600	BPWWTF Improvements	$ 5,158	$ 11,765	56%
81000	BPWWTF UV Disinfection Improvements	579	24,251	98%
	Total	**$ 5,737**	**$ 36,016**	

The BPWWTF Ultraviolet (UV) Disinfection Improvements Project (81000) includes the construction of a new UV disinfection building and replacement of the UV disinfection equipment with more energy-efficient technology. The BPWWTF Improvements Project (81600) involves the installation of a redundant power system, as well as the repair or replacement of boilers, hydronic piping systems, isolation gates, and improvements to primary clarifiers.

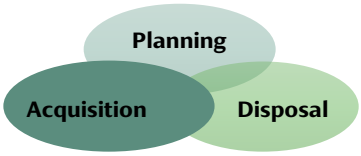


UV Disinfection

Infrastructure Management

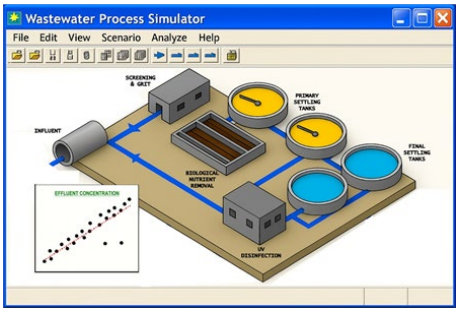
The Infrastructure Management functional area encompasses several smaller studies and projects. The largest is the NBC System-wide Facilities Planning Project (30700), estimated at $1.8 million, which will evaluate system capacity and infiltration/inflow into NBC's interceptors.

The NBC System-wide Inflow Reduction Project (40200) at $1.7 million, focuses on the development and implementation of an inflow reduction program to remove stormwater from sanitary sewers in NBC's service area.



The Asset Management Program Support Services Project (40600) includes planning and design services for further development, expansion, and support of NBC's Asset Management Program at a cost of $1.7 million.

The Enterprise Resource Planning (ERP) System Replacement Project (40700) will evaluate the current ERP and other systems to identify a suitable replacement/upgrade with an estimated cost of $0.9 million.



New to the Infrastructure Management functional area this year, there are two new projects. The WWTF Process Model and Simulator Development Project (40800) at a cost of $642 thousand. This project involves engaging professional engineering wastewater consultation services to support NBC in optimizing its WWTF operations. A key component of this effort is the development of a comprehensive, software-based Process Model and Simulator tailored to WWTFs. The second new project is the PFAS Compounds Testing Equipment Project (1150100) at a cost of $1.5 million. This project includes the procurement of specialized equipment, associated supplies, and appurtenant work to enhance NBC's laboratory capacity as it relates to testing wastewater, biosolids, and the immediate receiving waters for PFAS compounds. This project is funded through an Emerging Contaminants Grant from the Environmental Protection Agency through Rhode Island Infrastructure Bank.

PFAS Testing and Monitoring Project (1140700) at cost of $0.8 million. This project involves testing and monitoring of Compounds of Emerging Concerns Study, a Per- and Polyfluoroalkyl Substances (PFAS) Study, and a site-specific study of PFAS to facilitate improvements to the wastewater treatment and collections systems that may be required to comply with new permit limits, regulations, and mandates.

The RIPDES Compliance Improvements Project (1140600) includes wastewater treatment and collection system analysis that may be required to comply with new permit limits and mandates at $0.9 million.

The Municipal Lateral Sewer Acquisition Impact Project (40300) involves evaluating the impact of NBC assuming ownership of lateral sewers that are currently owned by the municipalities in NBC's service area and would be required if legislation were passed in the future.

The following table shows the total cost for the Infrastructure Management functional area for FY 2027-2032.

Infrastructure Management (In Thousands)				
Project Number	Major Project	FY 2027 - 2032 CIP	Total Estimated Cost	Percent Complete
30700	NBC System-wide Facilities Planning	$ 1,770	$ 1,770	0%
40200	NBC System-wide Inflow Reduction	1,690	1,690	0%
40600	Asset Management Program Support Services	1,654	1,945	15%
1150100	PFAS Compounds Testing Equipment	1,455	2,102	0%
1140600	RIPDES Compliance Improvements	917	2,261	59%
40700	Enterprise Resource Planning (ERP) System Replacement	913	913	0%
1140700	PFAS Testing and Monitoring	808	1,017	21%
40800	WWTF Process Model and Simulator Development	642	692	7%
40300	Municipal Lateral Sewer Acquisition Impact	617	617	0%
1140900	Water Quality Model Validation and Enhancement	73	126	42%
	Total	**$ 10,539**	**$ 13,132**	

Interceptor Cleaning, Restoration, and Construction

The CIP includes several collection system infrastructure projects, which total $17.0 million. The largest project in this functional area is the Louisquisset Pike Interceptor Improvements Project (30421) at an estimated cost of $6.3 million. This project involves construction of a larger diameter interceptor in the northern section of the town of Lincoln to accommodate the additional flow resulting from expected development.

The Woonasquatucket CSO OF 046 Improvements Project (30315) at $3.9 million is for construction of facilities that may be required to eliminate surcharging from the Woonasquatucket CSO Interceptor during extreme wet weather events.

The CIP also includes annual programmed allocations of $1.5 million for the Interceptor Restoration and Construction Project (30400C) and $500 thousand for the Interceptor Inspection and Cleaning Projects (30400M) in years that do not have specific projects identified to accommodate new needs that may be identified as part of asset management and inspection. The allowances programmed in the CIP for Project 30400C and Project 30400M amount to $5.0 million.

Interceptor Cleaning, Restoration and Construction (In Thousands)				
Project Number	Major Project	FY 2027 - 2032 CIP	Total Estimated Cost	Percent Complete
30421	Louisquisset Pike Interceptor Improvements	$ 6,261	$ 6,261	0%
30315	Woonasquatucket CSO OF 046 Improvements	3,874	3,981	3%
30400M	Interceptor Inspection and Cleaning Projects	3,000	3,500	0%
30400C	Interceptor Restoration and Construction	2,040	3,540	0%
30468	Improvements to Interceptors	1,010	2,914	65%
30469	Branch Avenue Interceptor Improvements	760	761	0%
30490	CSO OF 018 Improvements	84	500	83%
	Total	**$ 17,028**	**$ 21,456**	

Completed and New Capital Projects

Completed Projects

NBC considers a project complete when the project has been deemed substantially complete and has only retainage and/or "punch list" items remaining. In FY 2026, NBC completed three capital projects at a cost of $8.6 million as shown in the following table.

Completed Projects (In Thousands)			
Project Number	**Project Name**	**Total Cost**	
30803	CSO Phase III A - OF 205	$	6,676
91000	Office and Building Improvements		1,302
30482M	Interceptor Inspection and Cleaning		620
	Total	**$**	**8,599**

The largest project completed last year was part of the CSO Phase III A Facilities program. CSO Phase III A – OF 205 Project (30803) involved constructing near-surface facilities to direct flow from the existing CSO OF 205 pipe to a drop shaft for the CSO storage tunnel.

Also completed was the Office and Building Improvements Project (91000), which included office renovations and reconfiguration as well as HVAC and various roofs throughout the Field's Point and Bucklin Point campuses.

The last project to be completed last year was the Interceptor Inspection and Cleaning Project (30482M), which involved CCTV inspection and cleaning of NBC interceptors and sewer mains scheduled for inspection.

New Projects

This year's CIP includes six new capital projects totaling $6.4 million. The new projects and their estimated costs are summarized in the following table. Please refer to capital projects by functional area in this document for information regarding the need for these projects, along with their descriptions.

Outfall 018

New Projects (In Thousands)			
Project Number	**Project Name**	**Total Estimated Cost**	
1150100	PFAS Compounds Testing Equipment	$	2,102
21100	Miscellaneous HVAC Improvements		1,291
21000	FPWWTF CSO Tunnel System Improvements		1,009
40800	WWTF Process Model and Simulator Development		692
30469	Branch Avenue Interceptor Improvements		761
30490	CSO OF 018 Improvements		500
	Estimated Total	**$**	**6,355**

Impact of Capital Investments on Operating Budget

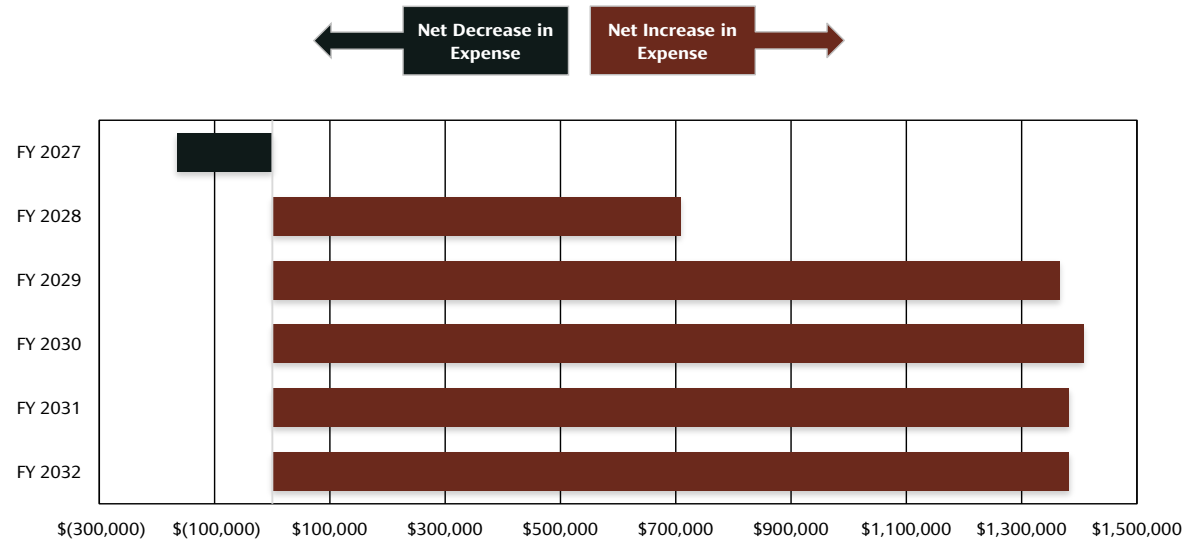
NBC recognizes the importance of planning for capital expenditures and is committed to minimizing ratepayer impact through an assessment of both operating costs and financing impacts. Debt service and rate impacts associated with financing the CIP are discussed in the Long-Term Debt and Long-Term Financial Plan sections of the budget. The following pages include an expanded analysis and presentation of other operating impacts in the CIP. Project specific information is included in the following discussion and summarized on the individual project sheets. Certain capital improvements will have a direct impact on the operating budget either through increased revenue, increased expense, or reduced expense. NBC has identified these impacts on a project-by-project basis. The following table describes the impact categories and should be used to interpret the figures in the detailed operating impact tables in this section of the CIP.

Impact	Description	Reflection in Tables
Reduced Expense	A reduction in operating expense resulting from facilities no longer operating, reducing energy consumption, and/or the purchase of electricity	Shown as a reduction in Operating Expense
Increased Expense	An increase in operating expense resulting from new facilities becoming operational	Shown as an increase in Operating Expense
Increased Revenue	An increase in revenue through new user charges, incentives, and/or sale of Renewable Energy Credits	Shown as an increase in Operating Revenue or Non-Operating Revenue

FY 2027-2032 Revenue and Expense Impacts

In FY 2032, estimated CIP impacts on the operating budget include an annual reduction in expense of $805,229, and an increase in expense of $2,187,266. The overall operating budget impact in FY 2032 results in an increased funding requirement of $1,382,037. The following chart shows the projected impact of the completed CIP projects on the annual operating budget. The impact on the operating budget becomes increasingly significant beginning in FY 2028 as a result of the CSO Phase III A Facilities projects being completed. Projects with revenue, savings, or expense impacts are discussed in the following section.

Estimated Net Impact on Operating Budget



The following table summarizes the projected impact of new capital projects scheduled to become operational in FY 2027-2032. Projects that involve inspection, studies, cleaning, and rehabilitation do not have operating cost impacts and are excluded from this list.

Projected Annual Operating Budget Impact

	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032
Projected Annual Operating Revenue Impact						
Increased Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Net Increase (Decrease) in Revenue	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Projected Annual Operating Expense Impact						
Reduced Expense						
81800 BPWWTF Sludge Digestion Facility Improvements	$ (165,919)	$ (284,432)	$ (284,432)	$ (284,432)	$ (284,432)	$ (284,432)
81000 BPWWTF UV Disinfection Improvements	-	(366,947)	(366,947)	(366,947)	(366,947)	(366,947)
71000 Lincoln Septage Receiving Station Replacement	-	(45,996)	(78,850)	(78,850)	(78,850)	(78,850)
20300 FPWWTF Improvements	-	-	-	-	(37,500)	(75,000)
Reduced Expense	**$ (165,919)**	**$ (697,375)**	**$ (730,229)**	**$ (730,229)**	**$ (767,729)**	**$ (805,229)**
Increased Expense						
30802 CSO Phase III A Facilities - Tunnel Pump Station Fit-out	$ -	$ 1,372,685	$ 2,059,027	$ 2,059,027	$ 2,059,027	$ 2,059,027
81000 BPWWTF UV Disinfection Improvements	-	33,443	33,443	33,443	33,443	33,443
81600 BPWWTF Improvements	-	-	3,437	3,437	3,437	3,437
20500 FPWWTF Maintenance and Storage Buildings	-	-	-	25,229	75,686	75,686
40101 FPWWTF Electrical Improvements	-	-	-	1,718	3,437	3,437
12400 Interceptor Maintenance Building	-	-	-	-	-	12,236
Increased Expense	**$ -**	**$ 1,406,128**	**$ 2,095,907**	**$ 2,122,854**	**$ 2,175,029**	**$ 2,187,266**
Net (Decrease) Increase in Expense	**$ (165,919)**	**$ 708,753**	**$ 1,365,678**	**$ 1,392,625**	**$ 1,407,301**	**$ 1,382,037**
Net Impact on Operating Budget	**$ (165,919)**	**$ 708,753**	**$ 1,365,678**	**$ 1,392,625**	**$ 1,407,301**	**$ 1,382,037**

BPWWTF UV Disinfection Improvements

The BPWWTF UV Disinfection Improvements Project (81000) involves the replacement of the UV disinfection system with more efficient technology and the construction of a new building to contain the system. The innovative technology is estimated to use 1.7 million kWh less per year and require less maintenance, resulting in combined savings of $367 thousand annually. The increased expense associated with the new building is $33 thousand annually for utilities and maintenance costs. Completion of this project is scheduled for early FY 2027.

BPWWTF UV Disinfection Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Natural Gas	$ -	$ 15,849	$ -
Maintenance	15,000	10,560	-
Electricity	351,947	7,035	-
Total	**$ 366,947**	**$ 33,443**	**$ -**

FPWWTF Maintenance and Storage Buildings

The FPWWTF Maintenance and Storage Buildings Project (20500) involves the construction of both a new maintenance building and storage building at Field's Point. The maintenance building will enhance preventive and reactive maintenance capabilities, replacing the current structure built in 1900. The new storage building is needed primarily to replace the IM storage facility that is beyond its useful life. The new facilities are scheduled for completion in FY 2030 and are estimated to result in an increased expense of $76 thousand for utilities.

FPWWTF Maintenance and Storage Buildings			
	Reduced Expense	Increased Expense	Increased Revenue
Natural Gas	$ -	$ 45,991	$ -
Electricity	-	25,482	-
Water	-	4,212	-
Total	**$ -**	**$ 75,686**	**$ -**

BPWWTF Improvements

The BPWWTF Improvements Project (81600) involves miscellaneous improvements and upgrades to the Bucklin Point WWTF and will include the installation of a new redundant standby power generator. The increased expense is approximately $3 thousand annually for maintenance of the new generator.

BPWWTF Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Maintenance	$ -	$ 3,437	$ -
Total	**$ -**	**$ 3,437**	**$ -**

FPWWTF Electrical Improvements

The FPWWTF Electrical Improvements Project (40101) involves the evaluation and installation of redundant standby power capabilities at the FPWWTF to maintain uninterrupted operation of the treatment process. The increased expense is approximately $3 thousand annually for maintenance of the new generator.

FPWWTF Electrical Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Maintenance	$ -	$ 3,437	$ -
Total	**$ -**	**$ 3,437**	**$ -**

BPWWTF Sludge Digestion Facility Improvements

The BPWWTF Sludge Digestion Facility Improvements Project (81800) addresses operational needs at the Bucklin Point sludge digestion facilities. Improvements include the design and implementation of concrete and piping system repairs necessary to address methane gas leakage concerns. These upgrades are projected to reduce the natural gas required to heat the digesters and operate the cogeneration facilities, resulting in an annual savings of $284 thousand beginning in FY 2028.

BPWWTF Sludge Digestion Facility Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Natural Gas	$ 284,432	$ -	$ -
Total	**$ 284,432**	**$ -**	**$ -**

CSO Phase III A Facilities

CSO Phase III A operating impacts are estimated to commence in FY 2028. An increased expense of $2.1 million includes electricity to pump flow and provide dehumidification in the tunnel pump station, natural gas for heating, screening, grit disposal, biosolids disposal, water, treatment chemicals, maintenance, and labor costs. The start-up costs included in this project phase.

CSO Phase III A Facilities			
	Reduced Expense	Increased Expense	Increased Revenue
Electricity	$ -	$ 1,179,330	$ -
Biosolids	-	492,846	-
Screening and Grit Disposal	-	228,550	-
Natural Gas	-	81,015	-
Maintenance	-	31,936	-
Hypochlorite	-	25,962	-
Personnel	-	10,400	-
Sodium Bisulfite	-	7,572	-
Water	-	1,454	-
Total	**$ -**	**$ 2,059,065**	**$ -**

FPWWTF Improvements

The FPWWTF Improvements Project (20300) involves miscellaneous improvements associated with aging infrastructure and equipment at the Field's Point facility. This project will include upgrades to equipment, with a focus on fixing leaks related to the sodium hypochlorite disinfection system. This project is projected to reduce the amount of chemicals required, resulting in reduced operating expense of $75 thousand per year.

FPWWTF Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Chemicals	$ 75,000	$ -	$ -
Total	**$ 75,000**	**$ -**	**$ -**

Lincoln Septage Receiving Station Replacement

The Lincoln Septage Receiving Station Replacement Project (71000) includes design and construction of a new septage receiving station equipped with a screening mechanism and sample collection capabilities in accordance with NBC's Standard Operating Procedures for monitoring septage. The new facilities will be fully automated, resulting in reduced personnel expense of $79 thousand per year.

Lincoln Septage Receiving Station			
	Reduced Expense	Increased Expense	Increased Revenue
Personnel	$ 78,850	$ -	$ -
Total	**$ 78,850**	**$ -**	**$ -**

Grants and Capital Reimbursements

It is anticipated that NBC will receive approximately $5.4 million in grants and other energy efficiency incentives. The US Department of Energy has committed to match up to $2.9 million through the Congressionally Direct Spending Program for the BPWWTF Sludge Digestion Facility Improvements Project (81800C). The US Environmental Protection Agency granted $2.1 million in funds through the Rhode Island Infrastructure Bank (RIIB) to support the PFAS Compounds Testing Equipment Project (1150100). The BPWWTF UV Disinfection Improvements Project (81000C) may qualify for a $389 thousand rebate from Rhode Island Energy, provided the UV upgrades meet the necessary requirements.

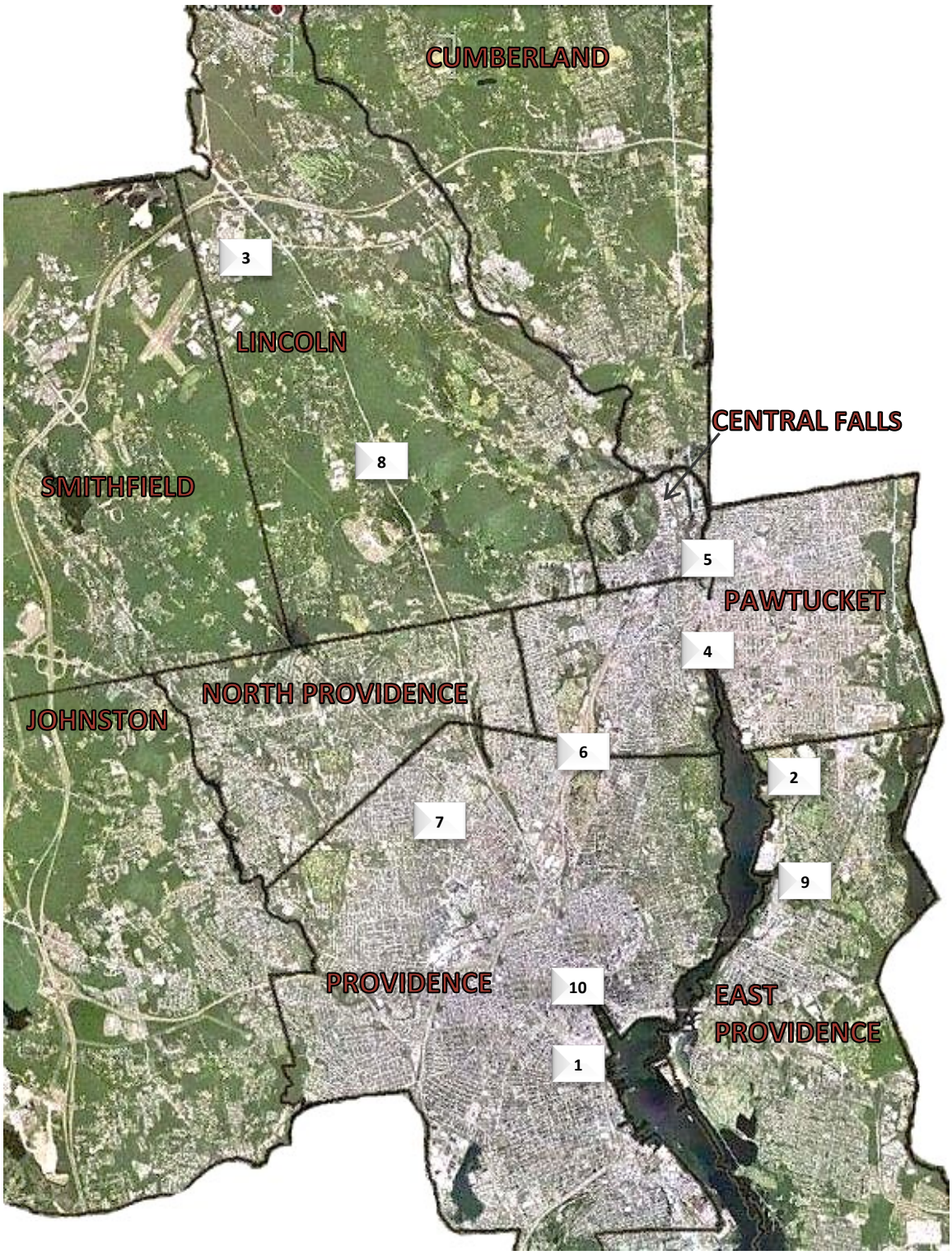
Grants and Capital Reimbursements				
Contract	Project	Source	FY of Award	Amount
81800C	BPWWTF Sludge Digestion Facility Improvements	US Department of Energy - Grant	FY 2027	$ 2,900,000
1150100	PFAS Compounds Testing Equipment	RIIB SRF - Grant	FY 2027	2,102,000
81000C	BPWWTF UV Disinfection Improvements	Rhode Island Energy - Rebate	FY 2027	389,358
				$ 5,391,358

Capital Improvement Program Project Locations

The capital projects identified in this year's CIP are shown on the map on the following page. The map highlights 10 project locations as identified below. Some projects are System-wide and noted as SW.

Legend Key	Project Number	Project Name
Wastewater Treatment Facilities Improvements		
1	20000	WWTF Improvements
SW	20700	Long-Range Regional Biosolids Disposal
SW	20701	Biosolids Management Facility Upgrades
1	20801	Data Communications Upgrades and WWTF Network Improvements
1	20900	FPWWTF Wet Weather Clarifier Facility Improvements
1	21000	FPWWTF CSO Tunnel System Improvements
1	21100	Miscellaneous HVAC Improvements
1	24000	NBC Facility Electrical Improvements
2	81701	BPWWTF Service Building Demolition
2	81800	BPWWTF Sludge Digestion Facility Improvements
1	92000	Stormwater Education Resource Center
Bucklin Point Resiliency Improvements		
2	81000	BPWWTF UV Disinfection Improvements
2	81600	BPWWTF Improvements
Field's Point Resiliency Improvements		
1	20300	FPWWTF Improvements
1	20400	FPWWTF Ernest Street Pump Station Improvements
1	20500	FPWWTF Maintenance and Storage Buildings
1	40101	FPWWTF Electrical Improvements
3	71000	Lincoln Septage Receiving Station Replacement
Infrastructure Management		
SW	1140600	RIPDES Compliance Improvements
SW	1140700	PFAS Testing and Monitoring
SW	1140900	Water Quality Model Validation and Enhancement
SW	1150100	PFAS Compounds Testing Equipment
SW	30700	NBC System-wide Facilities Planning
SW	40200	NBC System-wide Inflow Reduction
SW	40300	Municipal Lateral Sewer Acquisition Impact
SW	40600	Asset Management Program Support Services
SW	40700	Enterprise Resource Planning (ERP) System Replacement
SW	40800	WWTF Process Model and Simulator Development
CSO Phase III Facilities		
4	30800	CSO Phase III A Facilities - Design and Construction Program Management
4	30801	CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station Shaft
4	30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out
4	30804	CSO Phase III A Facilities - OF 210, 213, 214
4	30810	CSO Phase III A Facilities - BPWWTF Clarifiers and Flow Splitters
5	30830	CSO Phase III B Facilities
6	30850	CSO Phase III C Facilities
7	30870	CSO Phase III D Facilities
Sewer System Improvements		
1	12400	Interceptor Maintenance Building
SW	30500	NBC Interceptor Easements Restoration, Various Locations
SW	30610	NBC System-wide Regulator Modifications
9	70900	Omega Pump Station Improvements
6	72000	Reservoir Avenue Pump Station Improvements
3	72100	Saylesville Pump Station Improvements
Interceptor Cleaning and Restoration		
SW	30400M	Interceptor Inspection and Cleaning Projects
Interceptor Restoration and Construction		
SW	30400C	Interceptor Restoration and Construction
10	30315	Woonasquatucket CSO OF 046 Improvements
8	30421	Louisquisset Pike Interceptor Improvements
SW	30468	Improvements to Interceptors
7	30469	Branch Avenue Interceptor Improvements
7	30490	CSO OF 018 Improvements

Capital Improvement Program Project Locations



Capital Project Summary by Fiscal Year

(In Thousands)

Project Number	Project Name	Project Priority	Pre FY 2027	FY 2027	FY 2028-2032	FY 2027-2032	Post FY 2032	Total Estimated Project Cost
Wastewater Treatment Facility Improvements								
20000	WWTF Improvements	C	$ -	$ -	$ -	$ -	$ 500	$ 500
20700	Long-Range Regional Biosolids Disposal	C	701	341	2,218	2,559	-	3,260
20701	Biosolids Management Facility Upgrades	A	3,533	3,780	100,679	104,459	-	107,992
20801	Data Communications Upgrades and WWTF Network Improvements	A	645	3,450	15,339	18,789	-	19,433
20900	FPWWTF Wet Weather Clarifier Facility Improvements	A	466	782	4,336	5,119	-	5,585
21000	FPWWTF CSO Tunnel System Improvements	B	28	853	128	981	-	1,009
21100	Miscellaneous HVAC Improvements	B	268	958	65	1,023	-	1,291
24000	NBC Facility Electrical Improvements	B	424	178	-	178	-	601
81701	BPWWTF Service Building Demolition	C	23	376	2,606	2,982	-	3,005
81800	BPWWTF Sludge Digestion Facility Improvements	A	14,085	372	-	372	-	14,457
92000	Stormwater Education Resource Center	C	16	250	-	250	-	265
	Subtotal		20,188	11,339	125,371	136,710	500	157,398
Bucklin Point Resiliency Improvements								
81000	BPWWTF UV Disinfection Improvements	A	23,671	579	-	579	-	24,251
81600	BPWWTF Improvements	A	6,608	1,570	3,587	5,158	-	11,765
	Subtotal		30,279	2,149	3,587	5,737	-	36,016
Field's Point Resiliency Improvements								
20300	FPWWTF Improvements	A	9,282	10,309	18,895	29,204	-	38,486
20400	FPWWTF Ernest Street Pump Station Improvements	A	8,872	6,204	19,403	25,607	-	34,479
20500	FPWWTF Maintenance and Storage Buildings	A	1,594	1,530	26,487	28,017	-	29,611
40101	FPWWTF Electrical Improvements	B	1,156	996	10,076	11,072	-	12,228
71000	Lincoln Septage Receiving Station Replacement	B	1,683	4,874	2,328	7,202	-	8,884
	Subtotal		22,586	23,912	77,189	101,101	-	123,688
Infrastructure Management								
1140600	RIPDES Compliance Improvements	C	1,344	597	320	917	-	2,261
1140700	PFAS Testing and Monitoring	C	209	90	719	808	-	1,017
1140900	Water Quality Model Validation and Enhancement	C	53	34	39	73	-	126
1150100	PFAS Compounds Testing Equipment	C	647	1,455	-	1,455	-	2,102
30700	NBC System-wide Facilities Planning	D	-	717	1,053	1,770	-	1,770
40200	NBC System-wide Inflow Reduction	D	-	-	1,690	1,690	-	1,690
40300	Municipal Lateral Sewer Acquisition Impact	D	-	36	582	617	-	617
40600	Asset Management Program Support Services	B	291	1,425	230	1,654	-	1,945
40700	Enterprise Resource Planning (ERP) System Replacement	D	-	26	887	913	-	913
40800	WWTF Process Model and Simulator Development	B	50	489	154	642	-	692
	Subtotal		2,593	4,868	5,671	10,539	-	13,132
CSO Phase III Facilities								
30800	CSO Phase III A Facilities - Design and Construction Program Management	A	105,147	6,681	7,467	14,148	2,730	122,025
30801	CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station Shaft	A	493,385	-	-	-	-	493,385
30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out	A	79,193	28,310	23,734	52,044	-	131,237
30804	CSO Phase III A Facilities - OF 210, 213, 214	A	25,802	22,811	13,757	36,568	-	62,369
30810	CSO Phase III A Facilities - BPWWTF Clarifiers and Flow Splitters	A	56,529	3,783	-	3,783	-	60,313
	CSO Phase III A Facilities Subtotal		760,056	61,584	44,959	106,543	2,730	869,330
30830	CSO Phase III B Facilities	A	-	-	45,293	45,293	214	45,507
30850	CSO Phase III C Facilities	A	-	-	-	-	285,689	285,689
30870	CSO Phase III D Facilities	A	-	-	-	-	160,674	160,674
	CSO Phase III B, C, and D Facilities Subtotal		-	-	45,293	45,293	446,576	491,870
	Subtotal		760,056	61,584	90,252	151,837	449,306	1,361,199
Sewer System Improvements								
12400	Interceptor Maintenance Building	C	-	-	5,851	5,851	7,029	12,881
30500	NBC Interceptor Easements Restoration, Various Locations	B	-	-	1,578	1,578	-	1,578
30610	NBC System-wide Regulator Modifications	A	799	1,448	149	1,598	-	2,396
70900	Omega Pump Station Improvements	B	37	858	8,083	8,941	-	8,978
72000	Reservoir Avenue Pump Station Improvements	B	680	2,700	1,860	4,560	-	5,241
72100	Saylesville Pump Station Improvements	B	18	650	8,560	9,211	-	9,229
	Subtotal		1,534	5,657	26,082	31,739	7,029	40,302
Interceptor Inspection and Cleaning								
30400M	Interceptor Inspection and Cleaning Projects	A	-	500	2,500	3,000	500	3,500
	Subtotal		-	500	2,500	3,000	500	3,500
Interceptor Restoration and Construction								
30400C	Interceptor Restoration and Construction	C	-	-	2,040	2,040	1,500	3,540
30315	Woonasquatucket CSO OF 046 Improvements	D	106	36	3,838	3,874	-	3,981
30421	Louisquisset Pike Interceptor Improvements	D	-	-	6,261	6,261	-	6,261
30468	Improvements to Interceptors	A	1,904	1,010	-	1,010	-	2,914
30469	Branch Avenue Interceptor Improvements	B	2	451	309	760	-	761
30490	CSO OF 018 Improvements	A	416	84	-	84	-	500
	Subtotal		2,428	1,581	12,448	14,028	1,500	17,956
	Total		**$839,665**	**$111,592**	**$343,100**	**$ 454,691**	**$458,836**	**$1,753,192**

Priority	Description
A	Mandated, emergency, critical need or under construction.
B	Required to maintain system reliability and ongoing operation of facilities.
C	Project scope and requirements are dependent on futures system needs or regulatory requirements.
D	Project not critical but achieves efficiencies and/or reduces carbon footprint.

This page was intentionally left blank.

20000
WWTF Improvements

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: Field's Point and Bucklin Point WWTF's
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	Ongoing	Ongoing	Ongoing	$500
Total Project	**Ongoing**	**Ongoing**	**Ongoing**	**$500**

Photo: Aeration Tank Pumps

This project is an annual allocation for facility improvements at NBC's WWTF's to comply with current and future regulatory requirements and ensure uninterrupted wastewater treatment processing. NBC programs $500 thousand annually for improvements to ensure resources are available in years that do not have specific projects identified. As new projects are identified, they are given a unique project number.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 500**	**$ 500**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 42	$ 42
A/E Professional	-	-	-	-	-	-	-	203	203
Construction	-	-	-	-	-	-	-	170	170
Contingency	-	-	-	-	-	-	-	20	20
Other	-	-	-	-	-	-	-	65	65
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 500**	**$ 500**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

20700
Long-Range Regional Biosolids Disposal

Project Manager: David Bowen, P.E.
Contractor(s): Stantec/ CDM-Smith
Location: Field's Point and Bucklin Point WWTFs
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	July-21	November-27	77 Months	$3,260
Construction	N/A	N/A	N/A	N/A
Total Project	**July-21**	**November-27**	**77 Months**	**$3,260**

Photo: Sludge Dewatering and Handling Facility

This project involves the evaluation, planning and development of a reliable long-term sludge management strategy for sludge generated at NBC's Field's Point and Bucklin Point WWTFs. This study will explore the requirements and relative benefits of various appropriate industry standard residual solids disposal and management practices to address NBC's needs. The study will evaluate the relative benefits of continuing with similar disposal practices on a long-term basis for both WWTFs, as well as more capital-intensive options such as constructing new sludge process facilities.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 701	**$ 341**	**$ 2,218**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,260**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 495	$ 206	$ 93	$ -	$ -	$ -	$ -	$ -	$ 794
Land	-	-	2,000	-	-	-	-	-	2,000
A/E Professional	200	100	100	-	-	-	-	-	400
Other	6	35	25	-	-	-	-	-	66
Total	**$ 701**	**$ 341**	**$ 2,218**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,260**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

20701
Biosolids Management Facility Upgrades

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Field's Point and Bucklin Point WWTF's
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	May-24	June-27	38 Months	$7,309
Construction	June-27	June-29	25 Months	100,684
Total Project	**May-24**	**June-29**	**62 Months**	**$107,992**

Photo: Centrifuge at Bucklin Point Dewatering Facility

This project involves the evaluation, planning and development of immediate and long-term upgrades to the biosolids dewatering facilities at NBC's Field's and Bucklin Point WWTF's. The existing dewatering facilities for both WWTF's were constructed by a third-party vendor, who also operated and maintained both of facilities via contract since they were placed online nearly 20 years ago. The study will assess the condition of the existing dewatering facilities at both treatment plants and generate potential rehabilitation plans for reliable immediate-term operation, while also planning for other potential phased, long-term biosolids facility upgrades.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 3,533	**$ 3,780**	**$ 45,469**	**$ 55,210**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 107,992**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 523	$ 110	$ -	$ -	$ -	$ -	$ -	$ -	$ 633
Land	-	-	-	-	-	-	-	-	-
A/E Professional	2,664	3,000	-	-	-	-	-	-	5,664
Other	345	662	4	-	-	-	-	-	1,011
Total	**$ 3,533**	**$ 3,772**	**$ 4**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,309**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ 8	$ 188	$ 205	$ -	$ -	$ -	$ -	$ 401
A/E Professional	-	-	1,126	1,126	-	-	-	-	2,251
Construction	-	-	33,750	41,250	-	-	-	-	75,000
Contingency	-	-	10,294	12,544	-	-	-	-	22,838
Other	-	-	108	85	-	-	-	-	193
Total	**$ -**	**$ 8**	**$ 45,466**	**$ 55,210**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 100,684**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

20801
Data Communications Upgrades and WWTF Network Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: WWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	October-24	February-28	40 Months	$1,739
Construction	April-22	September-31	114 Months	17,694
Total Project	**April-22**	**September-31**	**114 Months**	**$19,433**

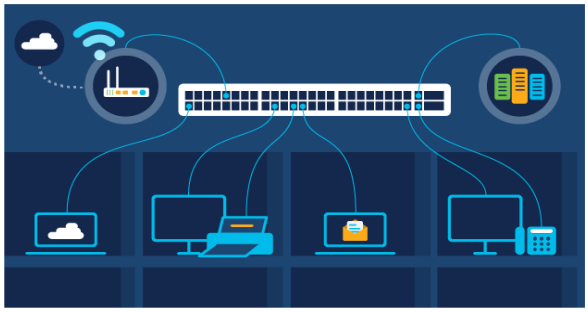


Photo: Ethernet Integrated Communication Network

NBC's WWTFs employ a range of treatment technologies and intricate process systems, all overseen by a computerized control system.

There are various reliability and inefficient performance challenges with the current control system's data communication network due, in part, to the use of mixed model communication units, proprietary equipment and other related system components. This project is associated with implementing more modern, open architecture-type Ethernet based hybrid data control system upgrades to keep the existing systems viable. The project will integrate various new hardware, software and other ancillary support services to upgrade the existing Control Systems through use of Ethernet DCS Loop improvements and other technical solutions.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 645	**$ 3,450**	**$ 1,382**	**$ 1,563**	**$ 5,528**	**$ 5,498**	**$ 1,367**	**$ -**	**$ 19,433**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 39	$ 60	$ 48	$ -	$ -	$ -	$ -	$ -	$ 147
Land	-	-	-	-	-	-	-	-	-
A/E Professional	180	581	445	-	-	-	-	-	1,206
Other	79	148	160	-	-	-	-	-	387
Total	**$ 298**	**$ 789**	**$ 653**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,739**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 6	$ 65	$ 50	$ 62	$ 60	$ 30	$ -	$ -	$ 273
A/E Professional	-	120	47	201	268	268	67	-	970
Construction	336	2,032	425	1,000	4,001	4,001	1,000	-	12,795
Contingency	-	415	208	300	1,200	1,200	300	-	3,623
Other	5	30	-	-	-	-	-	-	35
Total	**$ 347**	**$ 2,661**	**$ 729**	**$ 1,563**	**$ 5,528**	**$ 5,498**	**$ 1,367**	**$ -**	**$ 17,694**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

20900
FPWWTF Wet Weather Clarifier Facility Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Project Location: WWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	October-23	October-25	24 Months	N/A
Design	February-24	February-27	36 Months	$822
Construction	March-26	June-29	40 Months	4,763
Total Project	**October-23**	**June-29**	**68 Months**	**$5,585**

Photo: Wet Weather Clarifiers

This project consists of the evaluation, design and construction of upgrades to the Field's Point WWTF's Wet Weather Clarifier Complex, which was constructed circa 1988.

Facility upgrades are needed to address damaged rotating components and other problematic infrastructure concerns to ensure the continued reliable operation of this aging unit infrastructure. Risk-based asset management concepts shall be implemented when considering equipment replacements, use of new technology, and design enhancements required to mitigate premature equipment failure, loss of treatment performance and facility operation and maintenance requirements.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 466	**$ 782**	**$ 2,723**	**$ 1,613**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,585**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 102	$ 68	$ -	$ -	$ -	$ -	$ -	$ -	$ 170
Land	-	-	-	-	-	-	-	-	-
A/E Professional	268	249	-	-	-	-	-	-	517
Other	64	71	-	-	-	-	-	-	135
Total	**$ 434**	**$ 388**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 822**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 32	$ 143	$ 150	$ 100	$ -	$ -	$ -	$ -	$ 425
A/E Professional	-	42	125	83	-	-	-	-	250
Construction	-	155	1,864	1,087	-	-	-	-	3,106
Contingency	-	55	584	343	-	-	-	-	982
Other	-	-	-	-	-	-	-	-	-
Total	**$ 32**	**$ 394**	**$ 2,723**	**$ 1,613**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,763**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

21000
FPWWTF CSO Tunnel System Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Project Location: WWTF
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	September-26	September-27	12 Months	$1
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	N/A
Total Project	**September-26**	**September-27**	**12 Months**	**$1,009**

Field's Point CSO Tunnel Pump Station

This project involves the evaluation, design, and construction of upgrades to the Field's Point CSO Storage Tunnel System, including its main Pumping Station, associated Gate and Screening Structures, and other ancillary facilities, which were constructed circa 2008 and 2015. The improvements are required to address aging infrastructure and operational control challenges, ensuring the continued reliable operation and performance of these essential CSO Control facilities. Risk-based asset management principles will guide decisions on equipment upgrades, replacements, and system enhancements to optimize reliability and efficiency. Recommendations to minimize maintenance requirements and enhance system operational performance should be considered.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 28	**$ 853**	**$ 128**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,009**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 28	$ 98	$ 27	$ -	$ -	$ -	$ -	$ -	$ 153
A/E Professional	-	480	70	-	-	-	-	-	550
Other	-	275	31	-	-	-	-	-	306
Total	**$ 28**	**$ 853**	**$ 128**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,009**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

21100
Miscellaneous HVAC Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Project Location: WWTF
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	January-26	July-27	18 Months	$1,291
Total Project	**January-26**	**July-27**	**18 Months**	**$1,291**

HVAC Units

To mitigate and best manage aging infrastructure concerns, NBC must address various HVAC needs throughout its Field Point and Bucklin Point campus areas. This project encompasses the replacement, upgrade, and modification of critical HVAC systems required to support continuous, uninterrupted operations at NBC's facilities.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 268	**$ 958**	**$ 65**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,291**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 43	$ 41	$ -	$ -	$ -	$ -	$ -	$ -	$ 84
A/E Professional	225	377	5	-	-	-	-	-	607
Construction	-	450	50	-	-	-	-	-	500
Contingency	-	90	10	-	-	-	-	-	100
Other	-	-	-	-	-	-	-	-	-
Total	**$ 268**	**$ 958**	**$ 65**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,291**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

24000
NBC Facility Electrical Improvements

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: NBC Service Area
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	November-24	February-26	34 Months	$601
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	N/A
Total Project	**November-24**	**February-26**	**15 Months**	**$601**

Photo: Field's Point Electrical Facility

This project involves the evaluation of NBC's existing electrical equipment and facilities. Upon completion of the evaluation, improvements will be performed as necessary to ensure reliable and continuous operation of facilities throughout NBC's service area.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 424	**$ 178**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 601**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 191	$ 90	$ -	$ -	$ -	$ -	$ -	$ -	$ 281
A/E Professional	62	33	-	-	-	-	-	-	95
Other	171	55	-	-	-	-	-	-	226
Total	**$ 424**	**$ 178**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 601**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

81701
BPWWTF Service Building Demolition

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Bucklin Point WWTF
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	November-25	July-27	21 Months	$428
Construction	August-27	August-28	13 Months	2,578
Total Project	**November-25**	**August-28**	**34 Months**	**$3,005**

Photo: Bucklin Point Operations Building

This project consists of the demolition of BPWWTF's Service Building, and relocating select utilities that serve the building. NBC believes costs for maintaining or renovating this existing building complex outweighs the benefit of preserving the facility. Demolition and subsequent site restoration will also create useable space for potential process improvements at the treatment plant.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 23	**$ 376**	**$ 2,297**	**$ 309**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,005**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 23	$ 84	$ 7	$ -	$ -	$ -	$ -	$ -	$ 114
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	260	21	-	-	-	-	-	281
Other	-	32	1	-	-	-	-	-	33
Total	**$ 23**	**$ 376**	**$ 29**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 428**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ 70	$ 24	$ -	$ -	$ -	$ -	$ 94
A/E Professional	-	-	155	25	-	-	-	-	180
Construction	-	-	2,000	250	-	-	-	-	2,250
Contingency	-	-	43	11	-	-	-	-	54
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ 2,268**	**$ 309**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,578**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

81800
BPWWTF Sludge Digestion Facility Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD
Location: Bucklin Point WWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	February-22	February-26	48 Months	$1,088
Construction	February-23	July-26	41 Months	13,369
Total Project	**February-22**	**July-26**	**54 Months**	**$14,457**

Photo: Bucklin Point Digester

In order to mitigate and best manage known aging infrastructure concerns, NBC must address various operational needs at the Bucklin Point WWTF's Sludge Digestion Complex. This project involves miscellaneous improvements and upgrades to the treatment plant's digester complex including; inspection and evaluation of primary and secondary digesters, piping systems and other process-related appurtenances, concrete and piping system repairs to address known problematic leakage concerns, and other related facility infrastructure improvement needs.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 14,085	**$ 372**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 14,457**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 312	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 312
Land	-	-	-	-	-	-	-	-	-
A/E Professional	647	-	-	-	-	-	-	-	647
Other	108	22	-	-	-	-	-	-	129
Total	**$ 1,066**	**$ 22**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,088**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 406	$ 30	$ -	$ -	$ -	$ -	$ -	$ -	$ 435
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	11,750	321	-	-	-	-	-	-	12,070
Contingency	285	-	-	-	-	-	-	-	285
Other	578	-	-	-	-	-	-	-	578
Total	**$ 13,019**	**$ 350**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 13,369**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	165,919	284,435	284,435	284,435	284,435	284,435
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ (165,919)**	**$ (284,435)**	**$ (284,435)**	**$ (284,435)**	**$ (284,435)**	**$ (284,435)**

92000
Stormwater Education Resource Center

Project Manager: David Bowen, P.E.
Contractor(s): Various

Location: COB
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	May-26	August-26	4 Months	$25
Construction	August-26	November-26	4 Months	240
Total Project	**May-26**	**November-26**	**7 Months**	**$265**

Photo: Stormwater Education

Enhance NBC environmental education and public outreach efforts .

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 16	**$ 250**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 265**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	13	13	-	-	-	-	-	-	25
Other	-	-	-	-	-	-	-	-	-
Total	**$ 13**	**$ 13**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 25**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1
A/E Professional	-	25	-	-	-	-	-	-	25
Construction	2	200	-	-	-	-	-	-	202
Contingency	-	-	-	-	-	-	-	-	-
Other	-	12	-	-	-	-	-	-	12
Total	**$ 3**	**$ 237**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 240**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

This page was intentionally left blank.

81000
BPWWTF UV Disinfection Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD
Location: Bucklin Point WWTF (East Providence, RI)
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	April-17	February-22	59 Months	N/A
Construction	July-22	December-26	54 Months	$24,251
Total Project	**April-17**	**December-26**	**117 Months**	**$24,251**

Photo: Bucklin Point UV Disinfection System

This project involves the evaluation of the current Ultraviolet (UV) Disinfection system at the Bucklin Point WWTF and implementation of a system replacement/upgrade along with the design and construction of a new building to contain the system. The current UV equipment is nearing the end of its useful life, and the medium pressure, high intensity lamps are expensive and less efficient than newer technologies.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 23,671	**$ 579**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 24,251**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 490	$ 60	$ -	$ -	$ -	$ -	$ -	$ -	$ 550
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	20,978	519	-	-	-	-	-	-	21,497
Contingency	2,188	-	-	-	-	-	-	-	2,188
Other	15	-	-	-	-	-	-	-	15
Total	**$ 23,671**	**$ 579**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 24,251**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	366,947	366,947	366,947	366,947	366,947
Increased Expense	-	33,443	33,443	33,443	33,443	33,443
Net Impact on Operating Budget	**$ -**	**$ (333,504)**	**$ (333,504)**	**$ (333,504)**	**$ (333,504)**	**$ (333,504)**

81600
BPWWTF Improvements

Project Manager: David Bowen, P.E.
Contractor(s): Biszko Building Systems, Inc.

Location: BPWWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	June-19	August-26	86 Months	$1,244
Construction	January-24	November-28	59 Months	10,521
Total Project	**June-19**	**November-28**	**113 Months**	**$11,765**

Photo: 2,000 kWh Generator Installation

This project involves miscellaneous improvements and upgrades to the Bucklin Point WWTF including the repair or replacement of boilers, hydronic piping systems, and isolation gates. Other improvements include modifications to HVAC systems, inspection and repairs to sludge digester tanks and related system appurtenances, miscellaneous concrete repairs, installation of a redundant standby power system, electrical manhole dewatering sump pump systems, and other miscellaneous infrastructure needs.

CIP Window Summary

Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
$ 6,608	**$ 1,570**	**$ 2,685**	**$ 903**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 11,765**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 245	$ 30	$ -	$ -	$ -	$ -	$ -	$ -	$ 275
Land	-	-	-	-	-	-	-	-	-
A/E Professional	782	40	-	-	-	-	-	-	822
Other	132	15	-	-	-	-	-	-	147
Total	**$ 1,159**	**$ 85**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,244**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 50	$ 170	$ 180	$ 60	$ -	$ -	$ -	$ -	$ 460
A/E Professional	5	123	139	29	-	-	-	-	295
Construction	5,352	866	2,097	729	-	-	-	-	9,044
Contingency	21	254	254	85	-	-	-	-	615
Other	21	73	14	-	-	-	-	-	107
Total	**$ 5,449**	**$ 1,485**	**$ 2,685**	**$ 903**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 10,521**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	3,437	3,437	3,437
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ 3,437**	**$ 3,437**	**$ 3,437**

20300
FPWWTF Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Field's Point WWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	February-22	July-27	66 Months	$4,149
Construction	March-22	January-30	95 Months	34,337
Total Project	**February-22**	**January-30**	**96 Months**	**$38,486**

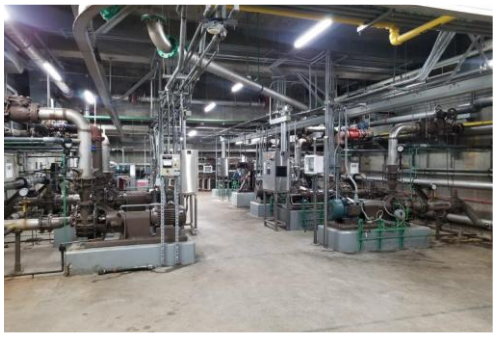


Photo: Primary Sludge Pump Station

Improvements to the FPWWTF include replacement of the Pepcon odor scrubber at the Gravity Thickener Building; evaluation and design of miscellaneous improvements to the WWTF's Disinfection system; a new transformer and replacement of the Plant Water System's automatic strainer system. Other improvements include the design and construction of three dedicated VFD's to allow simultaneous operation of RAS Pump Nos. 7, 8, 9; OSHA safety required handrail installation at the Blower/Screw Lift Building and the Primary Pump Station; replacement of the HVAC unit at the Gravity Thickener Pump Station; stormwater collection system and pavement regrading improvements south of the O&M Building; modifications to modular precast concrete retaining wall systems at the Field's Point campus.

CIP Window Summary

Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
$ 9,282	**$ 10,309**	**$ 2,642**	**$ 10,774**	**$ 5,478**	**$ -**	**$ -**	**$ -**	**$ 38,486**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 336	$ 90	$ 84	$ -	$ -	$ -	$ -	$ -	$ 510
Land	-	-	-	-	-	-	-	-	-
A/E Professional	1,353	924	900	-	-	-	-	-	3,177
Other	96	185	181	-	-	-	-	-	462
Total	**$ 1,784**	**$ 1,199**	**$ 1,165**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,149**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 246	$ 327	$ 40	$ 255	$ 136	$ -	$ -	$ -	$ 1,003
A/E Professional	276	450	83	497	331	-	-	-	1,637
Construction	6,169	6,908	-	8,668	4,334	-	-	-	26,078
Contingency	790	1,355	1,355	1,355	677	-	-	-	5,532
Other	16	70	-	-	-	-	-	-	86
Total	**$ 7,498**	**$ 9,110**	**$ 1,477**	**$ 10,774**	**$ 5,478**	**$ -**	**$ -**	**$ -**	**$ 34,337**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	37,500	75,000
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ (37,500)**	**$ (75,000)**

20400
FPWWTF Ernest Street Pump Station Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD
Location: Field's Point WWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	July-21	August-26	61 Months	$3,375
Construction	March-23	April-30	84 Months	31,103
Total Project	**July-21**	**April-30**	**105 Months**	**$34,479**

Photo: Ernest Street Pump Station

This project involves improvements and upgrades to the historic 200 MGD Ernest Street Pump Station facility. Evaluation, design and planned construction activities are associated with the station's critical, aging infrastructure systems including: large-diameter valves, gates and actuators; flow meters; centrifugal wastewater pumps; variable frequency drive (VFD) units; instrumentation and control (I&C) systems; influent screening systems; motor control centers (MCCs), IQ-1000 motor protectors and electrical power systems; 1,750 kVA Standby Power Generator system.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 8,872	**$ 6,204**	**$ 8,326**	**$ 5,792**	**$ 3,432**	**$ 1,853**	**$ -**	**$ -**	**$ 34,479**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 442	$ 39	$ 39	$ -	$ -	$ -	$ -	$ -	$ 520
Land	-	-	-	-	-	-	-	-	-
A/E Professional	2,017	300	245	-	-	-	-	-	2,562
Other	184	55	55	-	-	-	-	-	293
Total	**$ 2,643**	**$ 394**	**$ 339**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,375**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 545	$ 180	$ 128	$ 120	$ 120	$ 49	$ -	$ -	$ 1,141
A/E Professional	80	360	357	240	240	93	-	-	1,370
Construction	5,103	4,500	6,700	4,710	2,350	1,410	-	-	24,772
Contingency	421	722	722	722	722	301	-	-	3,612
Other	80	48	80	-	-	-	-	-	208
Total	**$ 6,229**	**$ 5,810**	**$ 7,987**	**$ 5,792**	**$ 3,432**	**$ 1,853**	**$ -**	**$ -**	**$ 31,103**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

20500
FPWWTF Maintenance and Storage Buildings

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Field's Point WWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	March-22	December-27	70 Months	$3,912
Construction	January-28	March-30	27 Months	25,699
Total Project	**March-22**	**March-30**	**97 Months**	**$29,611**

Photo: Existing FPWWTF Maintenance Building

This project involves the planning, design and construction of a new Maintenance Building, an Interceptor Maintenance (IM) Storage Building and related support facilities at the Field's Point campus to support NBC's long-range planning goals to address resiliency and aging infrastructure concerns.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 1,594	**$ 1,530**	**$ 895**	**$ 18,776**	**$ 6,816**	**$ -**	**$ -**	**$ -**	**$ 29,611**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 289	$ 102	$ 41	$ -	$ -	$ -	$ -	$ -	$ 431
Land	975	-	-	-	-	-	-	-	975
A/E Professional	323	1,111	583	-	-	-	-	-	2,017
Other	7	317	165	-	-	-	-	-	489
Total	**$ 1,594**	**$ 1,530**	**$ 789**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,912**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ 85	$ 322	$ 110	$ -	$ -	$ -	$ 517
A/E Professional	-	-	22	875	338	-	-	-	1,235
Construction	-	-	-	14,250	4,750	-	-	-	19,000
Contingency	-	-	-	3,167	1,583	-	-	-	4,750
Other	-	-	-	162	35	-	-	-	197
Total	**$ -**	**$ -**	**$ 107**	**$ 18,776**	**$ 6,816**	**$ -**	**$ -**	**$ -**	**$ 25,699**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	25,229	75,686	75,686
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ 25,229**	**$ 75,686**	**$ 75,686**

40101
FPWWTF Electrical Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Providence, RI
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	$0
Design	November-25	March-27	16 Months	$1,464
Construction	July-27	June-29	24 Months	10,764
Total Project	**November-25**	**June-29**	**44 Months**	**$12,228**

Photo: Field's Point Screw and Blower Generator

This project involves the evaluation of critical electrical, control systems and standby power capabilities for critical facilities at the FPWWTF and the implementation of the recommended solution to ensure uninterrupted treatment processes.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 1,156	**$ 996**	**$ 4,988**	**$ 5,055**	**$ 33**	**$ -**	**$ -**	**$ -**	**$ 12,228**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 58	$ 65	$ -	$ -	$ -	$ -	$ -	$ -	$ 122
Land	-	-	-	-	-	-	-	-	-
A/E Professional	427	682	-	-	-	-	-	-	1,109
Other	97	136	-	-	-	-	-	-	233
Total	**$ 581**	**$ 883**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,464**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ 15	$ 120	$ 141	$ 7	$ -	$ -	$ -	$ 282
A/E Professional	-	65	260	260	22	-	-	-	608
Construction	-	-	3,788	3,788	-	-	-	-	7,577
Contingency	75	13	810	810	4	-	-	-	1,713
Other	500	20	10	55	-	-	-	-	585
Total	**$ 575**	**$ 113**	**$ 4,988**	**$ 5,055**	**$ 33**	**$ -**	**$ -**	**$ -**	**$ 10,764**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	1,718	3,437	3,437
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ 1,718**	**$ 3,437**	**$ 3,437**

71000
Lincoln Septage Receiving Station Replacement

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Lincoln, RI
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	February-22	February-26	48 Months	$1,476
Construction	January-26	January-28	24 Months	7,409
Total Project	**February-22**	**January-28**	**71 Months**	**$8,884**

Photo: Lincoln Septage Receiving Station

The existing Lincoln Septage Receiving Station has reached the end of its useful life and needs to be replaced. This project includes design and construction of a new septage receiving station equipped with a screening mechanism and sample collection capabilities in accordance with NBC's Standard Operating Procedures for monitoring septage. In addition to need process, monitoring and control equipment, the new facility will also contain an Odor Control System to mitigate and manage fugitive emissions and odors.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 1,683	**$ 4,874**	**$ 2,328**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 8,884**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 278	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 278
Land	-	-	-	-	-	-	-	-	-
A/E Professional	1,125	-	-	-	-	-	-	-	1,125
Other	72	-	-	-	-	-	-	-	72
Total	**$ 1,476**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,476**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 72	$ 248	$ 130	$ -	$ -	$ -	$ -	$ -	$ 450
A/E Professional	85	445	205	-	-	-	-	-	735
Construction	-	3,800	1,806	-	-	-	-	-	5,606
Contingency	-	374	187	-	-	-	-	-	562
Other	50	7	-	-	-	-	-	-	57
Total	**$ 207**	**$ 4,874**	**$ 2,328**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,409**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	45,996	78,850	78,850	78,850	78,850
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ (45,996)**	**$ (78,850)**	**$ (78,850)**	**$ (78,850)**	**$ (78,850)**

This page was intentionally left blank.

1140600
RIPDES Compliance Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: NBC District
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	March-18	January-28	118 Months	$2,261
Construction	N/A	N/A	N/A	N/A
Total Project	**March-18**	**January-28**	**118 Months**	**$2,261**

Photo: Aerial view of the FPWWTF and the Providence River

This project includes improvements to the wastewater treatment and collections systems that may be required to comply with new permit limits, regulations and mandates. Specific improvements shall be identified through a Metals Translator study, a technically based Local Limits Evaluation study, a site specific study, an upper bay dissolved oxygen evaluation, and the development of a climate resiliency plan.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 1,344	**$ 597**	**$ 320**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,261**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 850	$ 305	$ 137	$ -	$ -	$ -	$ -	$ -	$ 1,292
Land	-	-	-	-	-	-	-	-	-
A/E Professional	382	147	81	-	-	-	-	-	610
Other	112	146	101	-	-	-	-	-	359
Total	**$ 1,344**	**$ 597**	**$ 320**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,261**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

1140700
PFAS Testing and Monitoring

Project Manager: Walter Palm
Contractor(s): TBD

Location: NBC Operations
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	July-25	September-28	38 Months	$1,017
Construction	N/A	N/A	N/A	N/A
Total Project	**July-25**	**September-28**	**38 Months**	**$1,017**

This project includes testing and monitoring of Compounds of Emerging Concerns Study, a Per- and Polyfluoroalkyl Substances (PFAS) Study, and a site specific study of PFAS to facilitate improvements to the wastewater treatment and collections systems that may be required to comply with new permit limits, regulations, and mandates. Specific improvements shall be identified through a PFAS Biosolids Testing Study, an industrial Pretreatment PFAS evaluation, and a PFAS Testing Study of NBC receiving waters.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 209	**$ 90**	**$ 69**	**$ 650**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,017**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 165	$ 16	$ 8	$ -	$ -	$ -	$ -	$ -	$ 188
Land	7	7	7	-	-	-	-	-	21
A/E Professional	26	27	17	-	-	-	-	-	70
Other	10	40	37	650	-	-	-	-	737
Total	**$ 209**	**$ 90**	**$ 69**	**$ 650**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,017**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	12,500	15,000	15,000
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ 12,500**	**$ 15,000**	**$ 15,000**

1140900
Water Quality Model Validation and Enhancement

Project Manager: Walter Palm
Contractor(s): Kincaid Consulting

Location: NBC Receiving Waters
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	July-23	September-27	50 Months	$126
Construction	N/A	N/A	N/A	N/A
Total Project	**July-23**	**September-27**	**50 Months**	**$126**

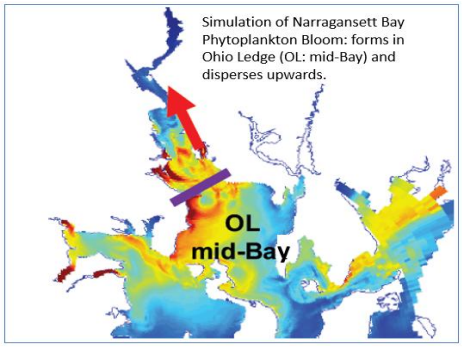


Photo: ROMs model shows how algai blooms form and move through the Bay.

The Regional Ocean Modeling System (ROMS) for the Providence and Seekonk Rivers and Narragansett Bay tracks water circulation and pollutant transport and determines how changing nitrogen loads and environmental factors affect the biology and quality of the NBC's receiving waters. This project is to validate the accuracy and assess performance of the model to ensure NBC regulatory requirements are science-based. Assessment of model performance and external recommendations by an outside contractor will guide continued model enhancements to ultimately ensure NBC will be equipped with the tools necessary to critically review proposed regulatory requirements and prevent unnecessary capital expenditures.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 53	**$ 34**	**$ 39**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 126**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 11	$ 4	$ 9	$ -	$ -	$ -	$ -	$ -	$ 24
Land	-	-	-	-	-	-	-	-	-
A/E Professional	42	30	30	-	-	-	-	-	102
Other	-	-	-	-	-	-	-	-	-
Total	**$ 53**	**$ 34**	**$ 39**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 126**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

1150100
PFAS Compounds Testing Equipment

Project Manager: Walter Palm
Contractor(s): TBD

Location: NBC Receiving Waters
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	$2,102
Construction	March-26	March-27	12 Months	N/A
Total Project	**March-26**	**March-27**	**12 Months**	**$2,102**

This project includes the procurement of specialized equipment, associated supplies, and appurtenant work to enhance NBC's laboratory capacity as it relates to testing wastewater, biosolids and the immediate receiving waters for PFAS compounds. This project is funded through an Emerging Contaminants Grant from the Environmental Protection Agency.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 647	**$ 1,455**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,102**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	647	1,455	-	-	-	-	-	-	2,102
Other	-	-	-	-	-	-	-	-	-
Total	**$ 647**	**$ 1,455**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,102**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30700
NBC System-wide Facilities Planning

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: NBC Service Area
Project Priority: D

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	August-26	July-28	24 Months	$1,770
Construction	N/A	N/A	N/A	N/A
Total Project	**August-26**	**July-28**	**24 Months**	**$1,770**

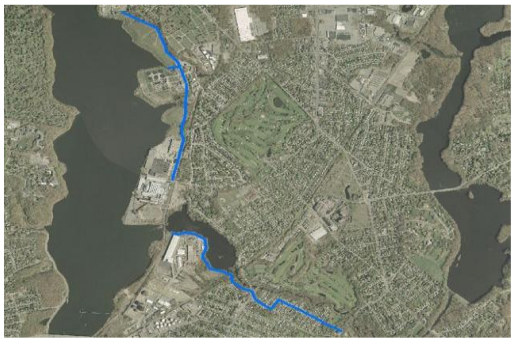


Photo: Proposed area for the East Providence Capacity

This project consists of planning activities to determine if there is adequate system capacity for the next twenty years and if there is any excess infiltration/inflow in NBC's interceptors. As the evaluations begin for specific cities and towns in NBC's service area, each will be given a unique project number.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ 717**	**$ 1,027**	**$ 27**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,770**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ 83	$ 87	$ 7	$ -	$ -	$ -	$ -	$ 176
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	271	509	20	-	-	-	-	800
Other	-	363	431	-	-	-	-	-	794
Total	**$ -**	**$ 717**	**$ 1,027**	**$ 27**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,770**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

40200
NBC System-wide Inflow Reduction

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: NBC Service Area
Project Priority: D

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	May-28	March-30	23 Months	$728
Construction	May-30	January-32	20 Months	961
Total Project	**May-28**	**January-32**	**44 Months**	**$1,690**

Photo: Downspouts at NBC's Corporate Office Building

This project involves the development and implementation of an inflow reduction program to remove stormwater from sanitary sewers in NBC's service area. This project is imperative to prevent surcharging of sewers that could cause illegal sanitary sewer overflows during wet weather events.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ 40**	**$ 508**	**$ 236**	**$ 552**	**$ 354**	**$ -**	**$ 1,690**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ 11	$ 73	$ 50	$ -	$ -	$ -	$ 133
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	22	334	92	-	-	-	448
Other	-	-	8	102	38	-	-	-	147
Total	**$ -**	**$ -**	**$ 40**	**$ 508**	**$ 180**	**$ -**	**$ -**	**$ -**	**$ 728**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ 39	$ 87	$ 54	$ -	$ 180
A/E Professional	-	-	-	-	5	63	40	-	107
Construction	-	-	-	-	-	307	185	-	492
Contingency	-	-	-	-	12	70	41	-	122
Other	-	-	-	-	-	25	35	-	60
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ 56**	**$ 552**	**$ 354**	**$ -**	**$ 961**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

40300
Municipal Lateral Sewer Acquisition Impact

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: NBC Service Area
Project Priority: D

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	May-27	October-28	18 Months	$617
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	N/A
Total Project	**May-27**	**October-28**	**18 Months**	**$617**

Photo: Municipal Sewer Manhole Cover

This project involves evaluating the impact of NBC assuming ownership of lateral sewers that are currently owned by municipalities within NBC's service area. If legislation is passed by the General Assembly mandating NBC to take over ownership and maintenance of local sewers within NBC's service area, this project will be required.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ 36**	**$ 458**	**$ 123**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 617**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ 221	$ 85	$ -	$ -	$ -	$ -	$ 306
A/E Professional	-	26	132	18	-	-	-	-	175
Other	-	-	45	-	-	-	-	-	45
Contingency	-	10	61	20	-	-	-	-	92
Total	**$ -**	**$ 36**	**$ 458**	**$ 123**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 617**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

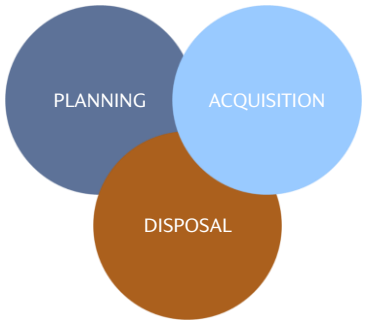
40600
Asset Management Program Support Services

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: NBC Service Area and Facilities
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	November-23	December-27	50 Months	$1,945
Construction	N/A	N/A	N/A	N/A
Total Project	**November-23**	**December-27**	**50 Months**	**$1,945**



This project involves planning and design services to advance and support NBC's Asset Management Program. It requires professional engineering consulting services to improve NBC's asset management systems in several areas: strategic planning, optimization of operations and maintenance, performance management, and data management expertise. The project will evaluate the maturity of NBC's aging infrastructure, formulate risk-based asset management strategies, and apply suitable asset management methods and technologies to effectively manage and extend the lifespan of NBC's aging assets. Additionally, the project will aid in prioritizing assets for replacement.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 291	**$ 1,425**	**$ 230**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,945**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 86	$ 102	$ 51	$ -	$ -	$ -	$ -	$ -	$ 239
Land	-	-	-	-	-	-	-	-	-
A/E Professional	137	1,150	155	-	-	-	-	-	1,442
Other	68	173	24	-	-	-	-	-	264
Total	**$ 291**	**$ 1,425**	**$ 230**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,945**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

40700
Enterprise Resource Planning (ERP) System Replacement

Project Manager: Mike Cook
Contractor(s): TBD

Location: NBC COB
Project Priority: D

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	January-27	December-27	12 Months	$52
Construction	July-28	December-29	18 Months	861
Total Project	**January-27**	**December-29**	**36 Months**	**$913**

NBC has been using Oracle EBS as its Enterprise Resource Planning (ERP) system for over two decades. This project will assess the current ERP along with other systems and find a suitable replacement/upgrade that meets NBC's present and future needs.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ 26**	**$ 26**	**$ 574**	**$ 287**	**$ -**	**$ -**	**$ -**	**$ 913**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ 5	$ 5	$ -	$ -	$ -	$ -	$ -	$ 11
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	20	20	-	-	-	-	-	41
Total	**$ -**	**$ 26**	**$ 26**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 52**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ 36	$ 18	$ -	$ -	$ -	$ 54
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	468	234	-	-	-	702
Contingency	-	-	-	70	35	-	-	-	105
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ 574**	**$ 287**	**$ -**	**$ -**	**$ -**	**$ 861**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

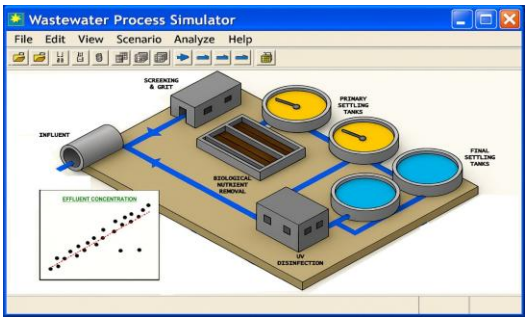
40800
WWTF Process Model and Simulator Development

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Fields Point and Bucklin Point WWTFs
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	January-26	November-27	23 Months	$692
Construction	N/A	N/A	N/A	N/A
Total Project	**January-26**	**November-27**	**23 Months**	**$692**



This project involves professional engineering wastewater consultation services to support NBC in optimizing its WWTF operations. A key component of this effort is the development of a comprehensive, software-based Process Model and Simulator tailored to WWTFs. The project will strengthen NBC's ability to manage a dynamic workforce creating a series of wastewater process-fundamentals training programs and computer-based operational tools (e.g., models, simulators, etc.) designed to modernize NBC's process optimization. The model-based training tools developed by this project will equip NBC staff to address ongoing process control needs, troubleshoot operational challenges, and enhance optimization and training efforts both now and into the future.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 50	**$ 489**	**$ 154**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 692**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 27	$ 86	$ 33	$ -	$ -	$ -	$ -	$ -	$ 146
Land	-	-	-	-	-	-	-	-	-
A/E Professional	16	299	86	-	-	-	-	-	400
Other	7	104	35	-	-	-	-	-	146
Total	**$ 50**	**$ 489**	**$ 154**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 692**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30800
CSO Phase III A Facilities - Design and Construction Program Management

Project Manager: David Bowen, P.E.
Contractor(s): Stantec Consulting Services
Location: Pawtucket, RI
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	April-13	June-30	207 Months	$78,217
Construction	August-20	June-28	94 Months	43,808
Total Project	**April-13**	**June-30**	**207 Months**	**$122,025**

Photo: Proposed alignment for the Pawtucket CSO Tunnel

The purpose Phase III A is to design and construct a deep rock tunnel in Pawtucket approximately 11,600 feet in length along the Seekonk and Blackstone Rivers, a pump station to convey flow to the Bucklin Point WWTF in East Providence, drop shafts and consolidation conduits, and improvements to the Bucklin Point WWTF. In addition, GSI facilities will be constructed to reduce stormwater inflow to the combined system by promoting infiltration of stormwater to the groundwater table.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 105,147	**$ 6,681**	**$ 4,596**	**$ 1,693**	**$ 1,176**	**$ 2**	**$ -**	**$ 2,730**	**$ 122,025**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 6,344	$ 342	$ 457	$ 642	$ 447	$ -	$ -	$ -	$ 8,232
Land	10,277	-	-	-	-	-	-	-	10,277
A/E Professional	53,625	160	445	900	609	-	-	2,730	58,470
Other	710	125	130	151	120	2	-	-	1,238
Total	**$ 70,957**	**$ 627**	**$ 1,032**	**$ 1,693**	**$ 1,176**	**$ 2**	**$ -**	**$ 2,730**	**$ 78,217**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	34,148	5,982	3,502	-	-	-	-	-	43,632
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	42	72	62	-	-	-	-	-	176
Total	**$ 34,190**	**$ 6,054**	**$ 3,564**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 43,808**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30801
CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station Shaft

Project Manager: David Bowen, P.E.
Contractor(s): CBNA Barletta

Location: Pawtucket
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	December-20	November-26	71 Months	$493,385
Total Project	**December-20**	**November-26**	**71 Months**	**$493,385**

Photo: Pawtucket Tunnel Site

This project includes the construction of a 11,600 foot deep rock storage tunnel, launch and drop shafts, and adits. After construction of the tunnel, tunnel pump station, and associated near surface facilities, CSO flow which currently discharges to the Seekonk and Blackstone Rivers shall be diverted to the tunnel during storms smaller than or equal to a three-month design storm. The diverted CSO flow will be stored in the tunnel and will be pumped to the plant for full treatment when capacity becomes available.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 493,385	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 493,385**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 2,708	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,708
A/E Professional	2	-	-	-	-	-	-	-	2
Construction	490,777	-	-	-	-	-	-	-	490,777
Contingency	-	-	-	-	-	-	-	-	-
Other	(102)	-	-	-	-	-	-	-	(102)
Total	**$ 493,385**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 493,385**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30802
CSO Phase III A Facilities - Tunnel Pump Station Fit-out

Project Manager: Kathryn Kelly, P.E.
Contractor(s): Hart Engineering Corporation

Location: Pawtucket
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	December-23	November-27	48 Months	$131,237
Total Project	**December-23**	**November-27**	**48 Months**	**$131,237**

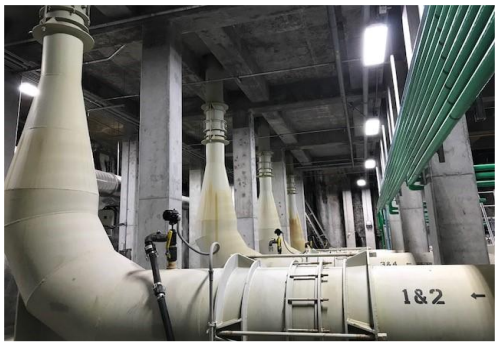


Photo: CSO Tunnel Pump Station

This project includes construction of the CSO Tunnel Pump Station (TPS). The TPS shall be constructed on a site in Pawtucket near the Bucklin Point Wastewater Treatment Facility.

This project also includes the construction of a consolidation conduit to direct flow to the tunnel via Drop Shaft 218 from CSO outfall 218. Wet weather flow will be diverted from OF-218 to new consolidation conduit that will ultimately direct flow to Drop Shaft 218.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 79,193	**$ 28,310**	**$ 23,605**	**$ 129**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 131,237**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 728	$ 910	$ 489	$ -	$ -	$ -	$ -	$ -	$ 2,127
A/E Professional	0	-	-	-	-	-	-	-	0
Construction	74,815	22,000	15,798	129	-	-	-	-	112,743
Contingency	2,275	3,900	5,069	-	-	-	-	-	11,244
Other	1,375	1,500	2,248	-	-	-	-	-	5,123
Total	**$ 79,193**	**$ 28,310**	**$ 23,605**	**$ 129**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 131,237**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	1,372,685	2,059,027	2,059,027	2,059,027	2,059,027
Net Impact on Operating Budget	**$ -**	**$1,372,685**	**$2,059,027**	**$2,059,027**	**$2,059,027**	**$2,059,027**

30804
CSO Phase III A Facilities - OF 210, 213, 214

Project Manager: Kathryn Kelly, P.E.
Contractor(s): John Rocchio Corporation

Location: Pawtucket
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	June-24	June-29	61 Months	$62,369
Total Project	**June-24**	**June-29**	**61 Months**	**$62,369**

Photo: Outfall Locations

Assets to be constructed include diversion structures with floatable control bar racks at OF-213 and OF-214; a gate and screening strcture for Drop Shaft 213, 350 feet of 48-inch consolidation conduit, 135 feet of 60-inch consolidation conduit, and manholes along the consolidation conduits' alignment.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 25,802	**$ 22,811**	**$ 9,208**	**$ 4,549**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 62,369**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 427	$ 269	$ 258	$ 26	$ -	$ -	$ -	$ -	$ 980
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	22,638	18,057	6,145	4,362	-	-	-	-	51,202
Contingency	2,415	4,140	2,514	-	-	-	-	-	9,069
Other	322	345	290	161	-	-	-	-	1,118
Total	**$ 25,802**	**$ 22,811**	**$ 9,208**	**$ 4,549**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 62,369**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30810
CSO Phase III A Facilities - BPWWTF Clarifiers and Flow Splitters

Project Manager: Kathryn Kelly, P.E.
Contractor(s): Barletta Heavy Division

Location: East Providence
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-22	December-26	54 Months	$60,313
Total Project	**July-22**	**December-26**	**54 Months**	**$60,313**

Photo: Construction Underway - Clarifiers at Bucklin Point

This project entails the construction of two new final clarifiers, modifications to the flow splitting operation, construction of a new RAS pump station for the new final clarifiers, improvements to the RAS piping system and influent pump station, and construction of a new ultraviolet disinfection facility.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 56,529	**$ 3,783**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 60,313**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 1,523	$ 113	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,636
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	52,501	2,692	-	-	-	-	-	-	55,193
Contingency	2,100	750	-	-	-	-	-	-	2,850
Other	405	229	-	-	-	-	-	-	634
Total	**$ 56,529**	**$ 3,783**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 60,313**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30830
CSO Phase III B Facilities

Project Manager: Kathryn Kelly, P.E.
Contractor(s): N/A

Location: Central Falls, RI
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	February-30	July-32	30 Months	$45,507
Total Project	**February-30**	**July-32**	**29 Months**	**$45,507**

Photo: Proposed CSO Phase III B Facilities

CSO Phase III B includes construction of the Upper BVI Interceptor Relief and Gate and Screening Structures, sewer separation of the CSO 206 sewer shed, Green Stormwater Infrastructure, and Regulator Modifications.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ 5,520**	**$ 20,339**	**$ 19,435**	**$ 214**	**$ 45,507**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ 118	$ 531	$ 507	$ 6	$ 1,162
A/E Professional	-	-	-	-	472	2,123	2,028	22	4,645
Construction	-	-	-	-	3,930	17,685	16,899	186	38,700
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	1,000	-	-	-	1,000
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,520**	**$ 20,339**	**$ 19,435**	**$ 214**	**$ 45,507**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30850
CSO Phase III C Facilities

Project Manager: Kathryn Kelly, P.E.
Contractor(s): N/A

Location: Pawtucket, RI
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	August-33	February-37	42 Months	$33,060
Construction	March-37	February-40	35 Months	252,629
Total Project	**August-33**	**February-40**	**78 Months**	**$285,689**

Photo: Proposed CSO Phase III C Facilities

CSO Phase III C Facilities involves the design and construction of a stub tunnel to convey flow from CSO OF 220 to the tunnel to be constructed as part of the CSO Phase III A Facilities. In addition, GSI facilities will be constructed to reduce stormwater inflow to the combined sewers.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 285,689**	**$ 285,689**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,160	$ 2,160
Land	-	-	-	-	-	-	-	2,500	2,500
A/E Professional	-	-	-	-	-	-	-	21,500	21,500
Other	-	-	-	-	-	-	-	6,900	6,900
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 33,060**	**$ 33,060**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,855	$ 3,855
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	241,027	241,027
Contingency	-	-	-	-	-	-	-	5,997	5,997
Other	-	-	-	-	-	-	-	1,749	1,749
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 252,629**	**$ 252,629**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30870
CSO Phase III D Facilities

Project Manager: Kathryn Kelly, P.E.
Contractor(s): N/A

Location: Providence, RI
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	March-37	February-40	35 Months	$23,524
Construction	March-40	February-43	35 Months	137,149
Total Project	**March-37**	**February-43**	**71 Months**	**$160,674**

Photo: Proposed CSO Phase III D Facilities

The CSO Phase III D Facilities include the design and construction of an interceptor to store stormwater flow and later release the flow into the system as capacity allows. In addition, GSI facilities will be constructed to reduce stormwater inflow to the combined sewer system. Storm sewers will be constructed to separate stormwater flow from the combined sewer.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 160,674**	**$ 160,674**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,981	$ 1,981
Land	-	-	-	-	-	-	-	1,785	1,785
A/E Professional	-	-	-	-	-	-	-	19,455	19,455
Other	-	-	-	-	-	-	-	303	303
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 23,524**	**$ 23,524**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,970	$ 1,970
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	132,156	132,156
Contingency	-	-	-	-	-	-	-	2,574	2,574
Other	-	-	-	-	-	-	-	449	449
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 137,149**	**$ 137,149**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

12400
Interceptor Maintenance Building

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: Field's Point (Providence, RI)
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	July-29	July-31	36 Months	$2,516
Construction	July-31	July-33	37 Months	10,365
Total Project	**July-29**	**July-33**	**48 Months**	**$12,881**

Photo: Interceptor Maintenance Building

This project involves the design and construction of a new building that would be needed if NBC is required by legislation to assume ownership of lateral sewers currently owned by local communities within its district. The building will include an administrative area as well as a garage and storage yard.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ 551**	**$ 1,937**	**$ 3,364**	**$ 7,029**	**$ 12,881**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ 200	$ 43	$ 3	$ -	$ 245
Land	-	-	-	-	-	1,000	-	-	1,000
A/E Professional	-	-	-	-	205	545	-	-	750
Other	-	-	-	-	147	349	25	-	520
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ 551**	**$ 1,937**	**$ 28**	**$ -**	**$ 2,516**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ 144	$ 195	$ 339
A/E Professional	-	-	-	-	-	-	246	168	414
Construction	-	-	-	-	-	-	2,325	5,175	7,500
Contingency	-	-	-	-	-	-	556	1,447	2,003
Other	-	-	-	-	-	-	65	45	110
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,336**	**$ 7,029**	**$ 10,365**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	12,236
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 12,236**

30500
NBC Interceptor Easements Restoration, Various Locations

Project Manager: David Bowen, P.E.
Contractor(s): N/A
Location: NBC Service Area
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	May-27	November-28	18 Months	$556
Construction	November-28	June-30	20 Months	1,023
Total Project	**May-27**	**June-30**	**37 Months**	**$1,578**

Photo: Easement Clearing

This project involves verification of easement locations and clearing the easements in overland areas to ensure sufficient access and enable NBC to maintain the integrity of the collection system.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ 370**	**$ 536**	**$ 673**	**$ -**	**$ -**	**$ -**	**$ 1,578**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ 61	$ 34	$ -	$ -	$ -	$ -	$ 95
Land	-	-	25	25	-	-	-	-	50
A/E Professional	-	-	210	90	-	-	-	-	300
Other	-	-	74	38	-	-	-	-	111
Total	**$ -**	**$ -**	**$ 370**	**$ 186**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 556**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ 22	$ 58	$ -	$ -	$ -	$ 80
A/E Professional	-	-	-	7	45	-	-	-	53
Construction	-	-	-	250	400	-	-	-	650
Contingency	-	-	-	61	134	-	-	-	195
Other	-	-	-	10	35	-	-	-	45
Total	**$ -**	**$ -**	**$ -**	**$ 350**	**$ 673**	**$ -**	**$ -**	**$ -**	**$ 1,023**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30610
NBC System-wide Regulator Modifications

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Fields Point WWTF
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	February-22	April-26	51 Months	$759
Construction	May-26	August-27	16 Months	1,637
Total Project	**February-22**	**August-27**	**67 Months**	**$2,396**

Photo: OF 056 Regulator on Vandewater Street

This project involves the design and construction of various regulator structure modifications to address known hydraulic capacity limitations within the NBC collection system. Regulator structure and gravity piping system modifications are needed to eliminate surcharging at Pitman Street, Silver Spring, Dorrance Street and other miscellaneous locations throughout the century old combined sewer system.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 799	**$ 1,448**	**$ 149**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,396**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 217	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 217
Land	-	-	-	-	-	-	-	-	-
A/E Professional	515	-	-	-	-	-	-	-	515
Other	27	-	-	-	-	-	-	-	27
Total	**$ 759**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 759**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 32	$ 290	$ 25	$ -	$ -	$ -	$ -	$ -	$ 347
A/E Professional	8	111	16	-	-	-	-	-	135
Construction	-	740	80	-	-	-	-	-	820
Contingency	-	259	28	-	-	-	-	-	287
Other	-	48	-	-	-	-	-	-	48
Total	**$ 40**	**$ 1,448**	**$ 149**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,637**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

70900
Omega Pump Station Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD
Location: Omega Pump Station, East Providence, RI
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	November-18	July-27	105 Months	$941
Construction	August-27	April-30	32 Months	8,037
Total Project	**November-18**	**April-30**	**137 Months**	**$8,978**

Photo: Omega Pump Station

This project involves the evaluation, design and replacement of pumps, piping and valves at the Omega Pump Station, which was originally constructed in the 1950's. New screening and grit technology will shred and reduce the size of coarse solid materials of the wastewater and facilitate transport to the wastewater treatment facility. Additionally, new technology will provide for the upgrade of the pump station to improve reliability of the motor control center and streamline operations.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 37	**$ 858**	**$ 1,564**	**$ 3,788**	**$ 2,731**	**$ -**	**$ -**	**$ -**	**$ 8,978**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 37	$ 95	$ 10	$ -	$ -	$ -	$ -	$ -	$ 141
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	580	25	-	-	-	-	-	605
Other	-	184	11	-	-	-	-	-	195
Total	**$ 37**	**$ 858**	**$ 46**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 941**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ 94	$ 156	$ 137	$ -	$ -	$ -	$ 387
A/E Professional	-	-	165	100	94	-	-	-	358
Construction	-	-	675	2,875	1,963	-	-	-	5,513
Contingency	-	-	570	622	518	-	-	-	1,709
Other	-	-	15	35	20	-	-	-	70
Total	**$ -**	**$ -**	**$ 1,518**	**$ 3,788**	**$ 2,731**	**$ -**	**$ -**	**$ -**	**$ 8,037**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

72000
Reservoir Avenue Pump Station Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD
Location: Reservoir Avenue Pump Station, Providence
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	December-23	June-26	30 Months	$676
Construction	December-25	January-28	26 Months	4,565
Total Project	**December-23**	**January-28**	**50 Months**	**$5,241**

Photo: Reservoir Avenue Pump Station

This project involves the evaluation, design and upgrade of NBC's Reservoir Avenue Pump Station located at 360 Reservoir Avenue Providence Rhode Island. The Reservoir Avenue Pump Station conveys sewage to a gravity conduit in Rutherglen Avenue then to the Field's Point Wastewater Treatment Facility. The pump station was built in 1931, with the most recent comprehensive upgrade to the facility in the early 1990s. Facility upgrades are needed to ensure continued reliability of this aging infrastructure. The facility was listed on the National Register of Historic Places.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 680	**$ 2,700**	**$ 1,860**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,241**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 160	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 160
Land	-	-	-	-	-	-	-	-	-
A/E Professional	462	-	-	-	-	-	-	-	462
Other	54	-	-	-	-	-	-	-	54
Total	**$ 676**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 676**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 5	$ 169	$ 89	$ -	$ -	$ -	$ -	$ -	$ 263
A/E Professional	-	167	83	-	-	-	-	-	250
Construction	-	1,750	1,250	-	-	-	-	-	3,000
Contingency	-	613	438	-	-	-	-	-	1,050
Other	-	2	-	-	-	-	-	-	2
Total	**$ 5**	**$ 2,700**	**$ 1,860**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,565**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

72100
Saylesville Pump Station Improvements

Project Manager: David Bowen, P.E.
Contractor(s): TBD

Location: Lincoln, RI
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	December-25	June-28	30 Months	$1,555
Construction	July-28	January-31	30 Months	7,673
Total Project	**December-25**	**January-31**	**61 Months**	**$9,229**

Photo: Saylesville Pump Station

This project involves a condition assessment, evaluation, and design of resiliency-related, improvements to the NBC Saylesville Pump Station in Lincoln in Bucklin Point WWTF service area. This evaluation will explore improvements to the pump station's civil-site features, hardening and resiliency-related improvements. Emphasis will be placed on mitigating both existing and future flood-related impacts, including improving the station's stormwater management infrastructure, access driveway, and other pertinent improvements.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 18	**$ 650**	**$ 887**	**$ 1,244**	**$ 4,824**	**$ 1,606**	**$ -**	**$ -**	**$ 9,229**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 18	$ 96	$ 102	$ -	$ -	$ -	$ -	$ -	$ 216
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	405	635	-	-	-	-	-	1,040
Other	-	150	150	-	-	-	-	-	300
Total	**$ 18**	**$ 650**	**$ 887**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,555**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ 107	$ 168	$ 94	$ -	$ -	$ 368
A/E Professional	-	-	-	100	126	89	-	-	315
Construction	-	-	-	535	3,640	1,075	-	-	5,250
Contingency	-	-	-	487	835	348	-	-	1,670
Other	-	-	-	15	55	-	-	-	70
Total	**$ -**	**$ -**	**$ -**	**$ 1,244**	**$ 4,824**	**$ 1,606**	**$ -**	**$ -**	**$ 7,673**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

304 M Summary
Interceptor Inspection and Cleaning

Project Manager: Anthony Dilorio
Contractor(s): Various

Location: NBC Service Area
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	$3,500
Total Project	**Ongoing**	**Ongoing**	**Ongoing**	**$3,500**

Photo: Interceptor Grit Removal

The 304 M project includes the inspection and cleaning of interceptors to maintain NBC's infrastructure and collection system. The inspections determine pipe condition and identify infrastructure issues. NBC allocates $500 thousand annually for inspections and cleaning in years that do not have specific projects identified to ensure resources are available. As new inspection and cleaning projects are identified, they are given a unique project number.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 3,500**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ 39	$ 69	$ 69	$ 69	$ 69	$ 69	$ 69	$ 455
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	437	399	399	399	399	399	399	2,830
Contingency	-	-	-	-	-	-	-	-	-
Other	-	24	32	32	32	32	32	32	216
Total	**$ -**	**500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 3,500**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30400
Interceptor Restoration and Construction

Project Manager: David Bowen, P.E.
Contractor(s): Various

Location: NBC Service Area
Project Priority: C

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	$3,540
Total Project	**Ongoing**	**Ongoing**	**Ongoing**	**$3,540**

Photo: Proposed portion of Lincoln Interceptor Replacement

Project 30400C consists of funding programmed for potential interceptor restoration and construction to address issues such as structural damage, aging or inaccessible infrastructure, odor control, and emergency situations. NBC allocates $1.5 million annually for interceptor restoration and construction, in years that do not have specific projects identified to ensure resources are available. As new projects are identified, they are given a unique project number.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ 540**	**$ -**	**$ -**	**$ -**	**$ 1,500**	**$ 1,500**	**$ 3,540**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ 56	$ -	$ -	$ -	$ 180	$ 180	$ 416
A/E Professional	-	-	298	-	-	-	221	221	740
Construction	-	-	-	-	-	-	710	710	1,419
Contingency	-	-	139	-	-	-	239	239	617
Other	-	-	46	-	-	-	151	151	348
Total	**$ -**	**$ -**	**$ 540**	**$ -**	**$ -**	**$ -**	**$ 1,500**	**$ 1,500**	**$ 3,540**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30315
Woonasquatucket CSO OF 046 Improvements

Project Manager: Kathryn Kelly, P.E.
Contractor(s): TBD

Location: Providence
Project Priority: D

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	January-27	October-29	34 Months	$3,981
Total Project	**Ongoing**	**Ongoing**	**Ongoing**	**$3,981**

Photo: Site of Woonasquatucket CSO Interceptor

This project includes construction of facilities to eliminate surcharging from the Woonasquatucket CSO Interceptor during extreme wet weather events.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 106	**$ 36**	**$ 651**	**$ 2,233**	**$ 955**	**$ -**	**$ -**	**$ -**	**$ 3,981**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 23	$ 6	$ 43	$ 56	$ 22	$ -	$ -	$ -	$ 150
A/E Professional	75	30	360	342	113	-	-	-	920
Construction	15	-	-	1,640	820	-	-	-	2,475
Contingency	-	-	248	124	-	-	-	-	372
Other	(6)	-	-	70	-	-	-	-	64
Total	**$ 106**	**$ 36**	**$ 651**	**$ 2,233**	**$ 955**	**$ -**	**$ -**	**$ -**	**$ 3,981**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30421
Louisquisset Pike Interceptor Improvements

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: Lincoln, RI
Project Priority: D

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-29	October-30	16 Months	$6,261
Total Project	**July-29**	**October-30**	**16 Months**	**$6,261**

Photo: Louisquisset Pike in Lincoln

This project involves the construction of a larger diameter interceptor in the northern section of the town of Lincoln. The larger capacity pipe will accommodate the additional flow resulting from expected development.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ 2,868**	**$ 3,393**	**$ -**	**$ -**	**$ 6,261**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ 100	$ 41	$ -	$ -	$ 141
A/E Professional	-	-	-	-	268	52	-	-	320
Construction	-	-	-	-	1,700	2,300	-	-	4,000
Contingency	-	-	-	-	800	400	-	-	1,200
Other	-	-	-	-	-	600	-	-	600
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,868**	**$ 3,393**	**$ -**	**$ -**	**$ 6,261**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense			-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30468
Improvements to Interceptors

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: North Providence/Johnston
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	April-26	April-27	12 Months	$2,914
Total Project	**April-26**	**April-27**	**12 Months**	**$2,914**

Photo: Construction on the Moshassuck Valley Interceptor

This project includes the rehabilitation and improvement of various sewer pipes and manholes in the city of Providence, and the towns of North Providence and Johnston.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 1,904	**$ 1,010**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,914**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 364	$ 80	$ -	$ -	$ -	$ -	$ -	$ -	$ 444
A/E Professional	20	40	-	-	-	-	-	-	60
Construction	1,450	625	-	-	-	-	-	-	2,075
Contingency	65	265	-	-	-	-	-	-	330
Other	5	-	-	-	-	-	-	-	5
Total	**$ 1,904**	**$ 1,010**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,914**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30469
Branch Avenue Interceptor Improvements

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: Field's Point Service Area
Project Priority: B

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	June-26	February-28	20 Months	$1
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	N/A
Total Project	**June-26**	**February-28**	**20 Months**	**$761**

Photo: Work on Branch Avenue

Recent inspections and planning-level studies have identified capacity limitations within sections of the Branch Douglas Interceptor during wet weather events. These constraints pose challenges to future industrial, commercial, and residential development within the NBC district. This project will evaluate alternatives to eliminate surcharging during wet weather events and restore the interceptor's capacity ensuring reliable service and supporting continued development in the area.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 2	**$ 451**	**$ 309**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 761**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 2	$ 92	$ 57	$ -	$ -	$ -	$ -	$ -	$ 150
A/E Professional	-	150	170	-	-	-	-	-	320
Other	-	209	83	-	-	-	-	-	292
Total	**$ 2**	**$ 451**	**$ 309**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 761**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30490
CSO OF 018 Improvements

Project Manager: David Bowen, P.E.
Contractor(s): N/A

Location: Field's Point Service Area
Project Priority: A

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	February-26	July-26	6 Months	$500
Total Project	**February-26**	**July-26**	**6 Months**	**$500**

Photo: Outfall #018

This project involves rehabilitation and improvements to Outfall 018 near Sun Drive and Hancock Street in Providence.

CIP Window Summary	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
	$ 416	**$ 84**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 500**

Projected Expenditures - Planning

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 27	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	Post FY 32	Total
Administrative	$ 8	$ 2	$ -	$ -	$ -	$ -	$ -	$ -	$ 10
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	408	82	-	-	-	-	-	-	490
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ 416**	**$ 84**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 500**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

This page was intentionally left blank.