NARRAGANSETT BAY COMMISSION

FY 2024
CAPITAL BUDGET

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CHAIRMAN

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Capital Budget

NBC's Capital Budget includes the Operating Capital Program (OCP) and the Capital Improvement Program (CIP). The FY 2024 Capital Budget is $233.3 million which is $9.7 million or 5.0% higher than the prior year.

	FY 2022 Actual	FY 2023 Budget	FY 2024 Budget	Budgeted Difference
Sources of Funds				
Project Fund - Pay-go Capital	6,575,500	26,836,186	14,127,000	(12,709,186)
Project Fund - Restricted OCP	3,862,857	3,812,000	5,873,000	2,061,000
2021 Series A (RIIB)	43,411,916	1,000,000	-	(1,000,000)
2023 Series A (RIIB)	-	-	61,164,000	61,164,000
2024 Series A (RIIB)	-	-	50,000,000	50,000,000
2020 Series B (WIFIA 1)	99,964,479	102,300,903	8,429,383	(93,871,520)
2020 Series C (WIFIA 2)	13,397,162	80,656,987	84,568,313	3,911,326
2022 Series A (WIFIA 3)	-	8,982,856	9,159,200	176,344
Total Source of Funds	**$ 167,211,914**	**$ 223,588,932**	**$ 233,320,896**	**$ 9,731,964**
Uses of Funds				
Operating Capital	$ 3,862,857	$ 3,812,000	$ 5,873,000	2,061,000
Total CIP	162,816,306	219,776,932	226,822,896	7,045,964
Cost of Issuance/Other	532,750	-	625,000	625,000
Total Use of Funds	**$ 167,211,913**	**$ 223,588,932**	**$ 233,320,896**	**$ 9,731,964**

The CIP and OCP identify capital expenditures in the current budget year and 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 upon the Asset Management Program 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 as well as consent agreements. Additional capital needs such as improvements to Information Technology hardware and software are also identified as new technologies become available.

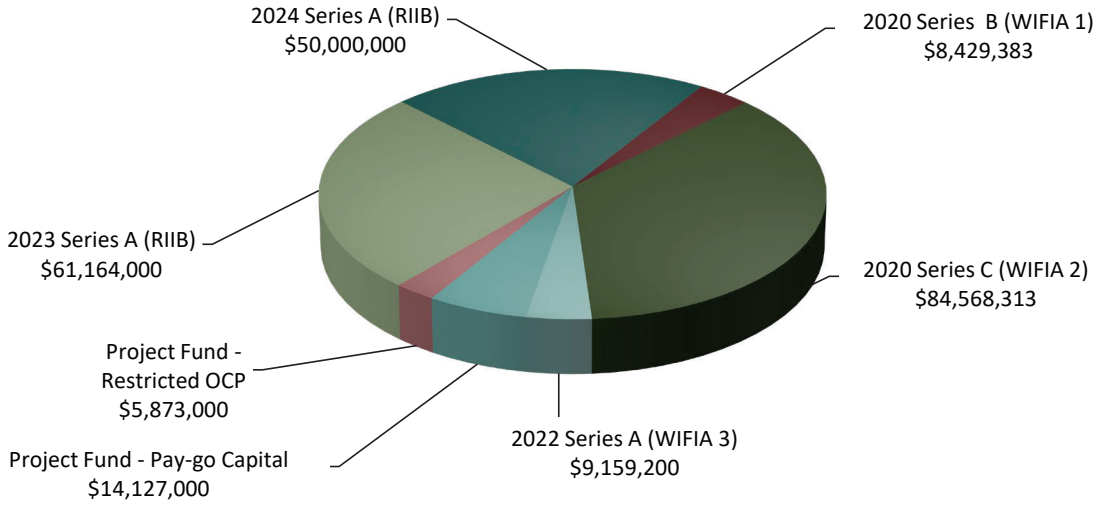
Items identified for inclusion in the Capital Budget must meet NBC's criteria to be considered an asset. NBC's asset criteria are further discussed in the OCP portion of this document. In general, assets that are to be purchased and installed by NBC staff within the fiscal year are included in the OCP. The highest priority items are included in the budget year with the remaining assets programmed into subsequent years. The CIP includes assets that will be completed over a number of years and are considered to be larger, more complex, and costlier. CIP items typically require the services of outside professional services to assist with planning, design, and construction. The projects identified in the CIP are assigned priority codes and funding is allocated accordingly.

The Operating Budget includes debt service associated with the financing of the CIP. In addition, the Operating Budget line item "Transfer to Project Fund" is used in the subsequent fiscal year to fund the OCP and Pay-go CIP projects. Additional funding for the CIP is available from the Grants and Project Reimbursements Account in the Project Fund. NBC also funds the CIP with proceeds from the issuance of taxable and tax-exempt revenue

bonds issued through the Rhode Island Infrastructure Bank (RIIB), which is also referred to in this document as State Revolving Fund (SRF) debt. Capital improvements are also financed 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 also issues taxable and tax-exempt revenue bonds to meet capital needs.

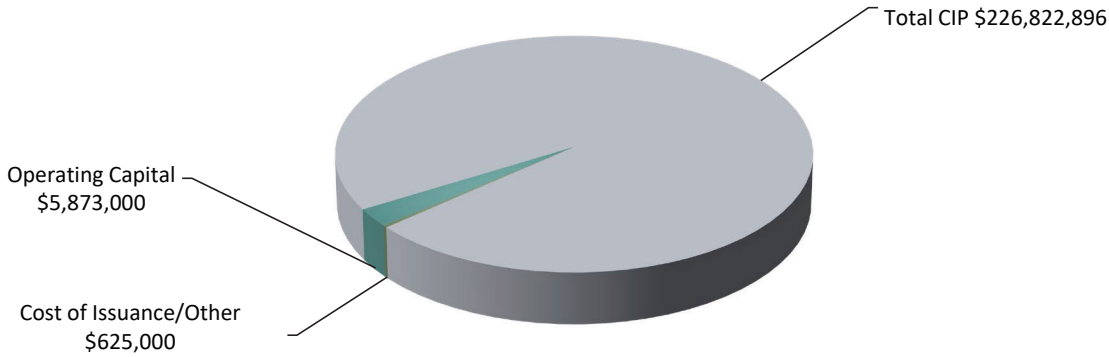
In Fiscal Year 2024, the total sources of capital funds are $233.3 million. The largest funding source is the 2020 Series C (WIFIA 2) Loan at $84.6 million or 36.2%. The second largest source of capital funding is the 2023 Series A (RIIB) Loan at $61.2 million or 26.2%. The remainder of the capital budget is funded by 2024 Series A (RIIB) at $50.0 million, Project Fund – Pay-go Capital at $14.1 million, 2022 Series A (WIFIA 3) Loan at $9.1 million, the 2020 Series B (WIFIA 1) loan at $8.4 million, and the Project Fund – Operating Capital OCP at $5.9 million. The following chart illustrates the capital funding sources by type.

Sources of Funds



The largest category of capital budget expense in FY 2024 is for the CIP, which is $226.8 million or 97.2% of the total capital budget funds. The OCP is $5.9 million or 2.5% of the capital budget expense followed by $0.6 million for Cost of Issuance/Other at 0.3%. The following chart illustrates the capital funding uses by type.

Uses of Funds



The Fiscal Year 2024 Operating Capital Budget totals $5.9 million, which is $2.1 million higher than the prior year. The following table shows the FY 2024 budgeted Operating Capital by 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 2024-2029 and FY 2024 budget detail.

FY 2024 Operating Capital Program by Division

Division Cost Center		Fiscal Year 2024	Fiscal Years 2025-2029
Administration			
Administration		$ -	$ 470,000
Information Technology		250,000	1,125,000
	Subtotal	250,000	1,595,000
Construction & Engineering			
Construction Services		120,000	110,000
Engineering		320,000	317,000
	Subtotal	440,000	427,000
Finance			
Finance		75,000	-
Accounting		500,000	-
Customer Service		288,000	322,000
	Subtotal	863,000	322,000
Operations & Maintenance Services			
Interceptor Maintenance		370,000	2,000,500
Operations & Maintenance Services		80,000	75,000
Field's Point		1,980,000	6,792,000
Bucklin Point		1,283,000	3,010,000
	Subtotal	3,713,000	11,877,500
Environmental Science & Compliance			
Pretreatment		-	135,000
Laboratory		403,000	2,683,000
Environmental Monitoring		204,000	716,000
	Subtotal	607,000	3,534,000
	Total	**$ 5,873,000**	**$ 17,755,500**

The table on the following page shows the CIP by functional area. The table shows that the Fiscal Year 2024 programmed CIP expense totals $226.8 million, which is $7.0 million higher than the prior year. In addition, NBC has programmed capital improvements of $454.4 million over FY 2025-2029.

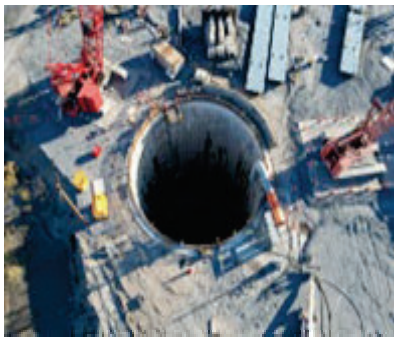


Photo: CSO Phase III A Facilities Pawtucket Tunnel

The majority of these costs relate to the CSO Phase III A Facilities, at $184.7 million or 81% of the total programmed expense in FY 2024. The largest CSO Phase III A Facilities Project is the design-build of the Pawtucket Tunnel and Pump Station (30801), with programmed expense of $118.1 million in FY 2024 along with $50.3 million in FY 2025-2029.

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 FY 2024 and FY 2025-2029

(In Thousands)

Project Number	Project Name		Fiscal Year 2024	Fiscal Years 2025-2029
Wastewater Treatment Facility Improvements				
20000	WWTF Improvements		$ -	$ 1,000
20700	Long-Range Biosolids Disposal		5,241	6,183
20801	Data Communications Ethernet Upgrade		1,960	855
24000	NBC Facility Electrical Improvements		540	15
81800	BPWWTF Sludge Digestion Facility Improvements		1,820	6,123
91000	Office & Building		1,635	235
		Subtotal	11,195	14,410
Bucklin Point Resiliency Improvements				
81000	BPWWTF UV Disinfection Improvements		10,591	12,131
81600	BPWWTF Improvements		532	6,706
81700	BPWWTF Operations & Maintenance Buildings		5,656	175
		Subtotal	16,779	19,012
Field's Point Resiliency Improvements				
20300	FPWWTF Improvements		1,684	21,029
20400	FPWWTF Ernest Street Pump Station Improvements		4,078	32,764
20500	FPWWTF Maintenance & Storage Buildings		813	23,921
20600	NBC Solar Carport		1,228	-
20800	Cybersecurity Improvements		64	-
40101	FPWWTF Electrical Improvements		551	9,125
71000	Lincoln Septage Receiving Station Replacement		742	7,197
		Subtotal	9,159	94,035
Infrastructure Management				
1140600	RIPDES Compliance Improvements		401	-
1140900	Water Quality Model Validation and Enhancement		46	118
30700	NBC System-wide Facilities Planning		56	1,000
40200	NBC System-wide Inflow Reduction		240	1,340
40300	Municipal Lateral Sewer Acquisition Impact		-	610
40550	RIPDES Flow Monitoring System Implementation		1,103	-
		Subtotal	1,845	3,067
CSO Phase III Facilities				
30800	CSO Phase III A Facilities - Design & Construction Program Management		13,804	37,222
30801	CSO Phase III A Facilities - Pawtucket Tunnel & Pump Station		118,087	50,302
30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out		12,310	137,109
30803	CSO Phase III A Facilities - Outfall 205		5,213	1,315
30804	CSO Phase III A Facilities - Outfall 210, 213, 214		5,551	30,245
30805	CSO Phase III A Facilities - Outfall 217		2,264	-
30807	CSO Phase III A Facilities - Regulator Modifications		713	-
30809	CSO Phase III A - GSI Projects		656	-
30810	CSO Phase III A Facilities - BPWWTF Clarifiers & Flow Splitters		26,105	27,806
30830	CSO Phase III B Facilities		-	5,423
		Subtotal	184,702	289,422
Sewer System Improvements				
12400	Interceptor Maintenance Building		-	425
30500	NBC Interceptor Easements Restoration, Various Locations		434	967
30610	NBC System-wide Regulator Modifications		676	2,730
70900	Omega Pump Station Improvements		535	8,214
72000	Resevoir Ave Pump Station Improvements		37	8,719
		Subtotal	1,681	21,054
Interceptor Cleaning & Restoration				
30400M	Interceptor Inspection and Cleaning		28	2,500
30481M	Completion of Baseline Siphon Inspections and Cleanings		472	-
		Subtotal	500	2,500
Interceptor Restoration & Construction				
30400C	Interceptor Restoration and Construction		218	5,045
30315	Woonasquatucket CSO OF 046 Improvements		651	3,187
30421	Louisquisset Pike Interceptor Improvements		-	2,768
30468	Improvements to Interceptors FY 2022		92	-
		Subtotal	961	11,000
		Total	**$ 226,823**	**$ 454,500**

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Vincent J. Mesolella
Chairman

Laurie A. Horridge
Executive Director

RESOLUTION 2023:04

APPROVAL OF FY 2024 CAPITAL BUDGET

WHEREAS, the Narragansett Bay Commission (NBC) prepares and the NBC's Board of Commissioners (Board) reviews and approves an annual Capital Budget for incorporation into the NBC's Annual Budget; and

WHEREAS, the Capital Budget consists of the Operating Capital Program (OCP) that identifies planned asset purchases and the Capital Improvement Program (CIP) that identifies planned capital improvement projects; and

WHEREAS, the Board has reviewed the FY 2024 Capital Budget;

NOW THEREFORE BE IT RESOLVED, that the NBC hereby adopts and approves the FY 2024 Capital Budget;

BE IT FURTHER RESOLVED, that with respect to the OCP for the period of July 1, 2023 through June 30, 2024:

1. The Executive Director and the Chief Financial Officer (CFO) shall ensure that OCP expense does not exceed $5,873,000 for the period of July 1, 2023 to June 30, 2024.

2. The CFO shall administer the OCP consistent with the Trust Indenture and all Supplemental Trust Indentures and is hereby authorized to make any determinations and/or requests as required thereunder.

3. The CFO is hereby authorized to finance the FY 2024 Operating Capital Program from the Restricted Sub Account - Operating Capital Account in the Project Fund.

4. The CFO or Designee may instruct the Trustee to directly pay for assets from the Restricted Sub Account - Operating Capital Account in the Project Fund.

5. The CFO is hereby authorized to approve changes to the OCP, as well as adjustments between line items, and between cost centers for the budget year as long as the total expenditures do not exceed the total amount approved in the budget year and shall provide a summary of these changes to the Board and/or Finance Committee at regularly scheduled meetings.

BE IT FURTHER RESOLVED, that with respect to the CIP:

1. The Executive Director is authorized to expend funds on capital projects for preliminary planning, staff time and other services in order to assess project need, scope and feasibility prior to project review and approval by the Board for inclusion in the CIP and/or as separate stand-alone projects.

2. Inclusion of a project in the CIP does not constitute Board approval. All CIP projects must be presented to the Board for review and approval.

3. CIP expenditures must conform to applicable purchasing laws and regulations.

4. The CFO is hereby authorized to finance capital projects from Accounts in the Project Fund in accordance with the Trust Indenture.

5. The CFO shall transfer sewer tie-in fees, rebates, and other capital reimbursements from the Revenue Fund to the Project Fund – Grants and Project Reimbursements Account and the CFO is authorized to expend these funds on capital projects.

6. The budgeted CIP sources and uses are for planning purposes only and may be modified by the CFO to meet CIP cash draw needs, funding restrictions, emergencies, or take advantage of new funding opportunities.

BE IT FURTHER RESOLVED, that with respect to the Stabilization Account in the Debt Service Fund:

1. In addition to uses explicitly identified in section 506(6) the Trust Indenture, the CFO is authorized to expend funds in the Stabilization Account in the Debt Service Fund for certain capital financing related costs that are not included as part of Cost of Issuance such as fees relating to trustee and/or escrow services, credit reviews, WIFIA applications, arbitrage reporting, loan servicing, and other related costs.

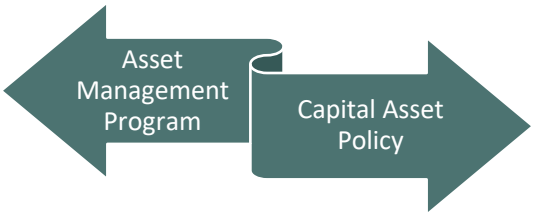
ADOPTED ON: _____

SIGNED: _____
Laurie Horridge
Executive Director and Secretary

Operating Capital Program

NBC's Operating Capital Program (OCP) identifies programmed asset purchases for the current budget year and subsequent five years. The OCP is based primarily on information from NBC's Asset Management Program (AMP) and includes new assets, asset replacements, asset renovations and betterments. 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 and laboratory equipment as well as computer hardware and software licensing. In accordance with NBC's Capital Asset Policy, all assets must have an acquisition cost greater than $5,000 and a useful life of three years or more.



Operating Capital Program Overview

This year's OCP identifies 79 assets that are programmed for acquisition in FY 2024 at a total cost of approximately $5.9 million. NBC has also programmed asset purchases in FY 2025 through FY 2029 of approximately $17.8 million for a total of $23.7 million over the six-year period reflected in the Program. As is shown in the following table, most of the asset purchases, $15.6 million or 66%, are for items required to support the wastewater treatment and collection functions in the Operations and Maintenance Division.

FY 2024 – 2029
Operating Capital Program

Division	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total FY 2024-2029
Administration	$ 250,000	$ 220,000	$ 350,000	$ 215,000	$ 515,000	$ 295,000	$ 1,845,000
Construction & Engineering	440,000	-	67,000	-	70,000	290,000	867,000
Finance	863,000	88,000	-	50,000	92,000	92,000	1,185,000
Operations & Maintenance	3,713,000	2,604,000	2,130,000	2,834,000	2,283,000	2,026,500	15,590,500
Environmental Science & Compliance	607,000	738,000	465,000	1,088,000	587,000	656,000	4,141,000
	$5,873,000	**$3,650,000**	**$3,012,000**	**$4,187,000**	**$3,547,000**	**$3,359,500**	**$23,628,500**

Operating Capital Program Development

NBC is committed to making the investments needed to ensure continuous operation of its facilities, support services and core business functions. To achieve this goal, NBC adopted and implemented an Asset Management Program (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. In addition, each asset is assigned a criticality factor that takes into consideration redundancy. NBC's computerized work order system is integrated into the AMP so that preventive and corrective maintenance activity is also captured for each asset. The asset maintenance history and useful life information assists with the determination of whether an asset should be repaired or replaced. The information in the AMP enables NBC to produce a facilities and equipment condition analysis report that is used to identify and prioritize capital asset needs.

In addition to the AMP, other new assets, or asset replacements are identified through the operation and inspection of facilities. Investment in Information Technology (IT) assets are typically programmed to address specific needs such as refreshing employee workstations and laptops, enhancing networks and security, as well as the implementation of new or replacement software, and the enhancement of existing applications. Laboratory and sampling equipment needs are often identified through the planning process to ensure compliance with new RIPDES permit or water quality sampling requirements.

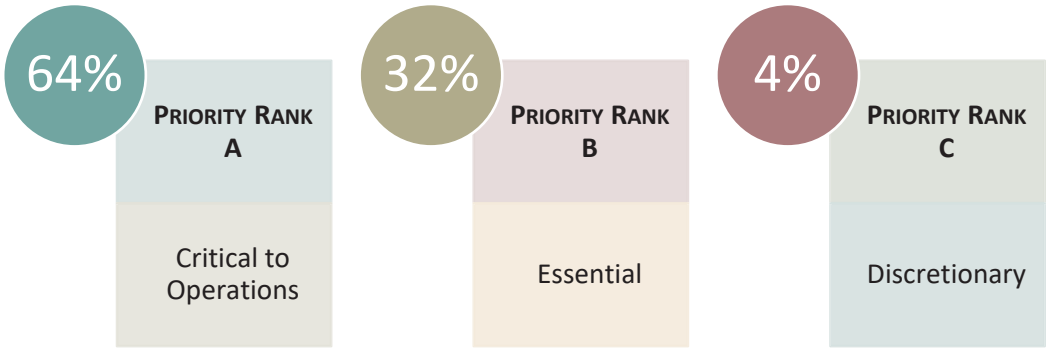
Program managers use the information from the AMP and other sources as the basis for requesting funding for operating capital assets. The OCP includes requests for the upcoming budget year as well as the subsequent five years to align with the Capital Improvement Program window.

With respect to the upcoming budget year, as part of the annual budget process, each section 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, priority ranking; and indicates if the asset is new, a replacement or a betterment. The requests are first reviewed by the accounting staff to determine if the request meets the capital asset criteria. Once approved by Accounting, the requests are reviewed by Finance to ensure that the information is complete and that there is documentation to support the estimated cost. Any new asset request with a cost over $50 thousand is required to be accompanied by a cost analysis, to demonstrate 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 and included in the budget. Each asset included in the budget 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, addressing a new permit requirement and ensuring the health and safety of NBC's work environment. Approximately 64% of asset requests for FY 2024 are prioritized with an "A" ranking with a total cost of $3.7 million.

In addition, 32% or $1.9 million are identified with a "B" priority ranking, which include items essential to efficient operations, such as the need of 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 plant equipment, which represents 4% of the total or $240 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 program future purchases. Each cost center submits a six-year operating capital needs form as part of the annual budget process. 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). Under the guidance of NBC's Board of Commissioner's Fiscal Sustainability Plan Policy, the Asset Management Program (AMP), Capital Improvement Program (CIP), Annual Operating Budget and Operating Capital Program (OCP) were developed and implemented. 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 2024 Operating Capital Program 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 approve the capitalization of assets.

Operating Capital Program Budget Calendar

Development of the Operating Capital Program Budget is as follows:

OCTOBER 2022
- Budget Forms Available

NOVEMBER 2022
- FY 2024 – 2029 Operating Capital Submittals due to Finance
- Review submittals with respect to Asset Criteria and General Ledger (GL) account code

DECEMBER 2022
- 5-year OCP available for review and comments

JANUARY 2023
- Complete OCP Schedules
- Draft OCP Narrative

FEBRUARY 2023
- Finalize OCP Document

MARCH 2023
- Finance Committee and Board Review and Approval of OCP on March 7, 2023

Operating Capital Program Amendment Procedures

During the fiscal year, there may be a need to make changes to 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 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:

Operating Capital Program Amendment Procedures

Non-Emergencies:

- Prior to Purchase, the Operating Capital Reallocation Request Form is completed, signed by the Division Director, and accompanied by vendor quote for the estimated cost.
- The 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.
- The 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.
- The 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.

Operating Capital Program by Strategic Objective

The Strategic Plan guides NBC operations and ensures facilities and infrastructure are maintained. As part of the OCP development, the budgeted capital assets have been categorized by the goal the asset will address.

Of the 79 budgeted capital assets in FY 2024, $5.3 million or 90% are related to NBC's Core Business goals for infrastructure, applications, and compliance. In addition, $529 thousand or 10% relate to NBC's Environmental Performance goal and includes sampling and laboratory analysis assets. The following table illustrates the percentage of budgeted assets by strategic goal.

Percentage of OCP Assets by Strategic Plan Goal

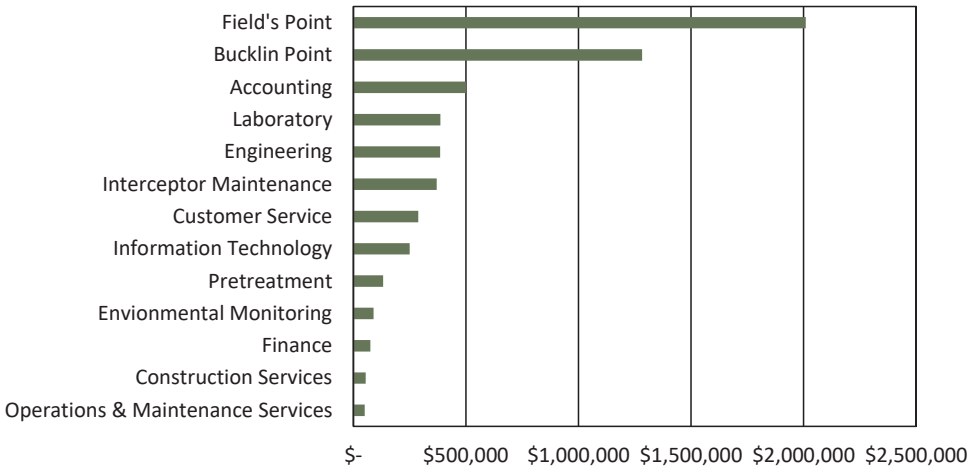
	Core Business: *Operate, maintain, and protect our collection and treatment systems to ensure that all State and Federal requirements are met or surpassed.*	
Key Code	**Percentage**	**Code Description**
CB3	**17%**	Ensure the cost-effective operation and maintenance of NBC wastewater treatment and collection system through best practices and the implementation of new technologies.
CB4	**73%**	Maintain NBC's asset management program to ensure continuous operation and the protection of assets.

	Environmental Performance: *Continuously evaluate NBC environmental performance to identify, quantify and minimize NBC impacts to the environment in a cost-effective manner.*	
Key Code	**Percentage**	**Code Description**
EP 2	**10%**	Perform data collection and analysis to optimize the treatment process and provide a scientific basis for future permit requirements

Operating Capital Program by Cost Center

The following chart shows the majority of the FY 2024 OCP is related to the support of the wastewater treatment facilities (WWTF). This includes $2.0 million at Field's Point and $1.3 million at Bucklin Point and is 56% of the total budgeted OCP. NBC has prioritized the replacement of numerous pumps, vehicles, tanks, bar racks, and other equipment; as well as upgrades to wind turbines and security, which are required to operate the facilities and maintain infrastructure.

FY 2024 Operating Capital by Cost Center

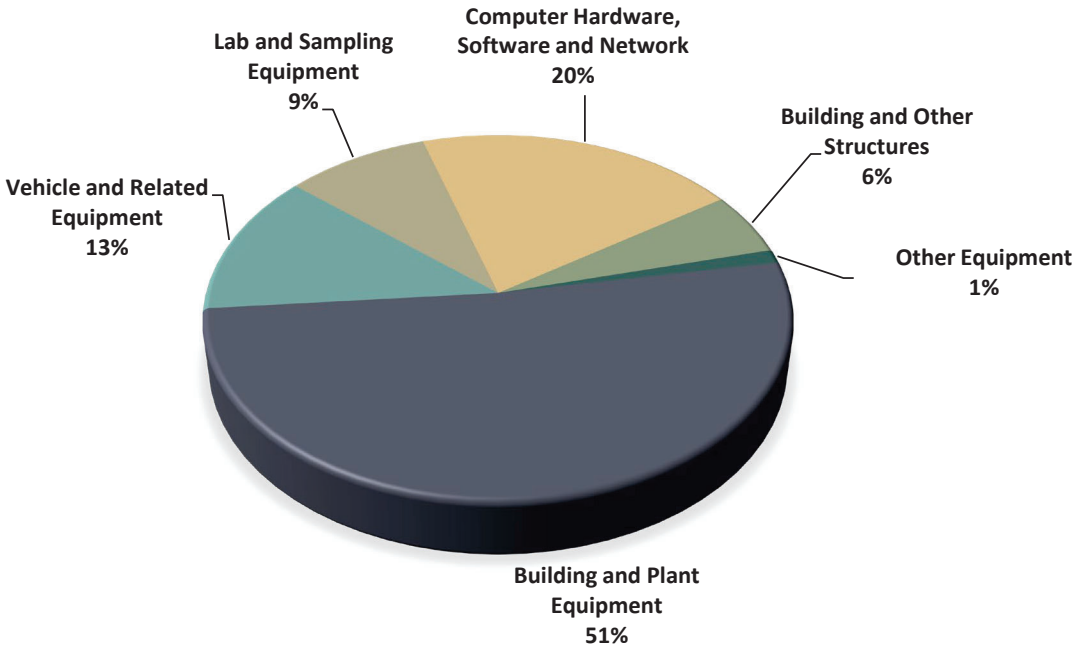


The Accounting OCP is 9% of the total or $500 thousand and includes the cost of licensing and implementing cloud-based ERP software. The Laboratory section's operating capital budget is 7% of the total or $386 thousand and includes funding for the replacement of laboratory equipment. The Engineering section is 7% or $320 thousand and includes $250 thousand for the betterment of the wind turbine foundations. The Interceptor Maintenance section is $320 thousand or 6% of the total and includes the replacement of vehicles essential to the maintenance of the interceptors. Lastly, the Information Technology (IT) section's operating capital budget of $250 thousand or 4% of the total, includes $75 thousand for the annual PC Refresh Program and $50 thousand for an Edge Switch Upgrade.

Fiscal Year 2024 Operating Capital Program by Type

The FY 2024 OCP identifies new and replacement asset purchases totaling approximately $5.9 million. The largest asset category is Building and Plant Equipment at $3.0 million or 51% of the total budget. Computer Hardware, Software and Network represents 20% or $1.2 million. Vehicle and Related Equipment represents 13% or $741 thousand. Lab and Sampling Equipment represents 9% or $529 thousand. Other Equipment, in addition to Building and Other Structures comprise the remaining 7% of the FY 2024 asset acquisitions.

FY 2024 Operating Capital by Type



NBC's FY 2024 replacement and betterment investments are shown in the following table with 53% for Building and Plant Equipment. This includes items such as pumps, bar racks, tanks, and upgrades to the blower system master control panel and the wind turbines. Computer Hardware, Software and Network is 17% and Vehicle and Related Equipment is 13%. Laboratory and Sampling Equipment replacements are 10% of the total and include the replacement of analyzers for WWTFs sample testing to meet RIPDES permit requirements. The Robotic BOD Analyzer, at a cost of $132 thousand is used to test for biochemical oxygen demand (BOD), respiration and toxicity in wastewater; while the Fresh Water Nutrient Analyzer, at a cost of $131 thousand is used to test for nitrogen compounds.

Replacement and Betterment Assets		Total	% of Total
Building and Plant Equipment	$	2,945,000	53%
Computer Hardware, Software and Network		955,000	17%
Vehicle and Related Equipment		741,000	13%
Laboratory and Sampling Equipment		529,000	10%
Building and Other Structures		325,000	6%
Other		70,000	1%
Total	**$**	**5,565,000**	**100%**

NBC's strategic goal of maximizing technology and maintaining capability is demonstrated through computer equipment purchases that are programmed in FY 2024. The two largest items are the replacement of the ERP at $500,000 along with the migration of the Customer Service application to the cloud. Also included are hardware upgrades and software enhancements to existing business systems along with the annual PC refresh program.

Computer Hardware, Software and Network	Total
ERP Replacement	500,000
Customer Service System Cloud Migration	250,000
Financial Budgeting Software	75,000
Annual PC Refresh Program	75,000
ABB Controller Panel Power Supply Upgrade	50,000
Network Edge Switch Upgrades	50,000
Database Enhancements	40,000
Laboratory Information Management System Enhancements	33,000
Programmable Logic Controller	30,000
Computer Room Enhancements	25,000
Conference Room Upgrades	25,000
Hansen Upgrades	25,000
Security Upgrades	10,000
Total	**$1,188,000**

Lastly, NBC plans on purchasing new Computer Hardware, Software and Network and the Building and Plant Equipment asset categories. New computer hardware, software, and network enhancements are 76% of the programmed new assets, at a cost of $233 thousand. This includes new budget software for Finance, and database enhancements in IT . This is followed by new Building and Plant Equipment at a cost of $75 thousand and representing 24% of new assets

New Assets		Total	% of Total
Computer Hardware, Software and Network		233,000	76%
Building and Plant Equipment		75,000	24%
Total	**$**	**308,000**	**100%**

Operating Capital Program Funding

Operating Capital is funded from the Restricted Account – Operating Capital in the Project Fund. In accordance with the Trust Indenture, after 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 OCP and CIP Restricted Accounts. For the Operating Capital Program, 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 2024, NBC plans to fund the OCP with $5.9 million from the Restricted Account – Operating Capital in the Project Fund. NBC has also programmed funding of $5.0 million per year for FY 2025 through FY 2029, for the OCP from this same source.

OCP – SOURCES

Sources of Funds (Thousands)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total FY 2024-2029
Restricted Account-Operating Capital	$ 5,873	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 30,873
Total	**$ 5,873**	**$ 5,000**	**$ 5,000**	**$ 5,000**	**$ 5,000**	**$ 5,000**	**$ 30,873**

The FY 2024 programmed asset purchases total approximately $5.9 million. In FY 2025 through FY 2029, 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 $5.0 million per year. This ensures sufficient resources are available to operate and maintain NBC's facilities.

OCP - USES

Uses of Funds (Thousands)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total FY 2024-2029
Operating Capital Program	$ 5,873	$ 3,650	$ 3,012	$ 4,187	$ 3,547	$ 3,360	$ 23,629
Operating Capital Placeholder	-	1,350	1,988	813	1,453	1,641	7,245
Total	**$ 5,873**	**$ 5,000**	**$ 5,000**	**$ 5,000**	**$ 5,000**	**$ 5,000**	**$ 30,873**

Operating Capital Program Summary by Fiscal Year

Asset Type	Asset Title	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total Cost
ADMINISTRATION								
Administration								
Replacement	Office Furniture/Alteration	$ -	$ -	$ -	$ -	$ 200,000	$ -	$ 200,000
New	Office Construction/Alteration	-	50,000	50,000	55,000	55,000	60,000	270,000
	Subtotal Administration	-	50,000	50,000	55,000	255,000	60,000	470,000
Information Technology								
Replacement	Annual PC Refresh Program Replacement	75,000	75,000	75,000	75,000	75,000	75,000	450,000
Replacement	Network Edge Switch Upgrades	50,000	-	50,000	-	50,000	-	150,000
New	Database Enhancements	40,000	-	40,000	-	40,000	-	120,000
New	Conference Room Upgrades	25,000	25,000	25,000	25,000	25,000	25,000	150,000
New	Computer Room Enhancements	25,000	25,000	-	50,000	-	50,000	150,000
New	Hansen Upgrades	25,000	-	25,000	-	25,000	-	75,000
New	Security Upgrades	10,000	10,000	10,000	10,000	10,000	10,000	60,000
Replacement	Large Form Scanner/Printer	-	35,000	-	-	35,000	-	70,000
New	Triennial Security Assessment	-	-	75,000	-	-	75,000	150,000
	Subtotal Information Technology	250,000	170,000	300,000	160,000	260,000	235,000	1,375,000
CONSTRUCTION and ENGINEERING								
Construction Services								
Replacement	Vehicle 357	55,000	-	-	-	-	-	55,000
Replacement	Vehicle 343	45,000	-	-	-	-	-	45,000
Replacement	Plotter	20,000	-	-	-	-	-	20,000
Replacement	Vehicle 337	-	-	35,000	-	-	-	35,000
Replacement	Vehicle 311	-	-	-	-	35,000	-	35,000
Replacement	Vehicle 296	-	-	-	-	-	40,000	40,000
	Subtotal Construction Services	120,000	-	35,000	-	35,000	40,000	230,000
Engineering								
Betterment	Wind Turbine Foundation	250,000	-	-	-	-	250,000	500,000
Replacement	GPS Rover	45,000	-	-	-	-	-	45,000
Replacement	Survey Equipment	25,000	-	-	-	-	-	25,000
Replacement	Vehicle 326	-	-	32,000	-	-	-	32,000
Replacement	Vehicle 312	-	-	-	-	35,000	-	35,000
	Subtotal Engineering	320,000	-	32,000	-	35,000	250,000	637,000
FINANCE								
Finance								
New	Financial Budgeting Software	75,000	-	-	-	-	-	75,000
	Subtotal Finance	75,000	-	-	-	-	-	75,000
Accounting								
Replacement	ERP Replacement	500,000						500,000
	Subtotal Finance	500,000	-	-	-	-	-	500,000
Customer Service								
Replacement	Customer Service System Cloud Migration	250,000	50,000	-	50,000	-	50,000	400,000
Replacement	Office Furniture and Reconfiguration	-	-	-	-	50,000	-	50,000
Replacement	Vehicle 335	38,000	-	-	-	-	-	38,000
Replacement	Vehicle 316	-	38,000	-	-	-	-	38,000
Replacement	Vehicle 297	-	-	-	-	42,000	-	42,000
Replacement	Vehicle 289	-	-	-	-	-	42,000	42,000
	Subtotal Customer Service	288,000	88,000	-	50,000	92,000	92,000	610,000
OPERATIONS and MAINTENANCE								
Interceptor Maintenance								
Replacement	Vehicle 455	165,000	-	-	-	-	-	165,000
Replacement	Vehicle 338 w/Snow Plow and Sander	125,000	-	-	-	-	-	125,000
Replacement	Transfer Switch for IM Building	45,000	-	-	-	-	-	45,000
Replacement	Manhole Frames and Covers	30,000	-	-	-	-	-	30,000
Replacement	Knox Box Replacements	5,000	-	-	-	-	-	5,000
Replacement	Vehicle 472	-	175,000	-	-	-	-	175,000
Replacement	Vehicle 334	-	65,000	-	-	-	-	65,000
Replacement	Vehicle 334	-	8,000	-	-	-	-	8,000
Replacement	Vehicle 398	-	5,000	-	-	-	-	5,000
Replacement	Vehicle 376	-	-	185,000	-	-	-	185,000
Replacement	Vehicle 322	-	-	125,000	-	-	-	125,000
Replacement	Vehicle 354	-	-	15,000	-	-	-	15,000
Replacement	Pneumatic Pipe Plugs w/ Lift Line and Filler Hoses	-	-	7,000	-	-	-	7,000
Replacement	Vehicle 329	-	-	-	600,000	-	-	600,000
Replacement	Vehicle 363	-	-	-	285,000	-	-	285,000
Replacement	Vehicle 471B	-	-	-	75,000	-	-	75,000
Replacement	Vehicle 373	-	-	-	30,000	-	-	30,000
Replacement	Vehicle 459	-	-	-	16,000	-	-	16,000
Replacement	Vehicle 308	-	-	-	-	165,000	-	165,000

Operating Capital Program Summary by Fiscal Year

Asset Type	Asset Title	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total Cost
Replacement	Vehicle 307	-	-	-	-	42,000	-	42,000
Replacement	Vehicle 284	-	-	-	-	22,000	-	22,000
Replacement	Gate Controller Replacement	-	-	-	-	12,000	-	12,000
Replacement	Gas Powered Hydraulic Unit 860A	-	-	-	-	10,000	-	10,000
Replacement	Vehicle 444	-	-	-	-	-	55,000	55,000
Replacement	Mini Loader EIM007B	-	-	-	-	-	40,000	40,000
Replacement	Vehicle 298	-	-	-	-	-	12,000	12,000
Replacement	Gate Winder 829A	-	-	-	-	-	10,000	10,000
Replacement	Bobcat Backhoe Attachment EV471BBKHOE	-	-	-	-	-	10,000	10,000
Replacement	Vehicle 346	-	-	-	-	-	9,500	9,500
Replacement	Pressure Washer 656A	-	-	-	-	-	8,000	8,000
Replacement	Vehicle 291	-	-	-	-	-	7,500	7,500
Replacement	Equipment 430A	-	-	-	-	-	4,500	4,500
Replacement	Bobcat Bucket Attachment EV471BBUCKET	-	-	-	-	-	2,000	2,000
	Subtotal Interceptor Maintenance	370,000	253,000	332,000	1,006,000	251,000	158,500	2,370,500
Operations and Maintenance Services								
Replacement	Field's Point ABB Power Supply Upgrade	50,000	-	-	-	-	-	50,000
Replacement	Siemens PLC Upgrade	30,000	-	-	-	-	-	30,000
Replacement	Vehicle 336	-	35,000	-	-	-		35,000
Replacement	Vehicle 301	-	-	-	-	-	40,000	40,000
	Subtotal Operations and Maintenance Services	80,000	35,000	-	-	-	40,000	155,000
Field's Point								
Replacement	IFAS Mixers	300,000	-	-	-	-	-	300,000
Replacement	Hydroflow Screen	200,000	-	-	-	-	-	200,000
Replacement	Flow Meters	200,000	-	-	-	-	-	200,000
Replacement	Bar Racks	160,000	165,000	165,000	170,000	170,000	175,000	1,005,000
Replacement	Tunnel Pump Cartridges	150,000	-	-	-	-	-	150,000
Replacement	Grit Tank Unit	115,000	115,000	120,000	120,000	125,000	130,000	725,000
Betterment	Hypochlorite Tank Relining	110,000						110,000
Replacement	VFD Cells	100,000	-	-	-	-	-	100,000
Replacement	Blower Motor	80,000	-	-	-	-	-	80,000
New	Godwin Pump	75,000	-	-	-	-	-	75,000
Replacement	Vehicle 389	65,000	-	-	-	-	-	65,000
Replacement	Vehicle 360	65,000	-	-	-	-	-	65,000
Replacement	Hydraulic Actuator	50,000	-	-	-	-	-	50,000
Replacement	Vehicle 406	45,000	-	-	-	-	-	45,000
Replacement	Vehicle 446	45,000	-	-	-	-	-	45,000
Replacement	Sludge Pump w/Motor	40,000	-	-	-	35,000	35,000	110,000
Replacement	Relays	40,000	-	-	-	-	-	40,000
Replacement	Sludge Grinder Cartridges	35,000	20,000	-	-	-	-	55,000
Replacement	Uninterruptable Power Supply - Pretreatment Building	35,000	-	-	-	-	-	35,000
Replacement	Equipment 0040	30,000	-	-	-	-	-	30,000
Replacement	Mag Flow Meter	20,000	-	-	20,000	-	-	40,000
Replacement	Influent Cylinders	20,000	-	-	-	-	-	20,000
Replacement	Dehumidifiers 101 and 102	-	200,000	-	-	-	-	200,000
Replacement	40 MGD Sewage Pump Cartridge	-	175,000	-	-	-	-	175,000
Replacement	Vehicle 353	-	155,000	-	-	-	-	155,000
Replacement	Hypo Storage Tanks	-	75,000	75,000	80,000	80,000	-	310,000
Replacement	Sewage Pump Motor	-	75,000	-	75,000	-	-	150,000
Replacement	Vehicle 464	-	55,000	-	-	-	-	55,000
Replacement	Sewage Pump and Motor	-	40,000	-	-	-	-	40,000
Replacement	Vehicle 352	-	40,000	-	-	-	-	40,000
Replacement	Screw Pump Motor	-	38,000	25,000	-	-	-	63,000
Replacement	200 HP Motor for Pump	-	35,000	35,000	-	-	-	70,000
Replacement	Dezurik Valves	-	35,000	-	35,000	-	40,000	110,000
Replacement	Grit Pump w/Motor	-	35,000	-	35,000	-	35,000	105,000
Replacement	Hydraulic Power System	-	35,000	-	-	-	-	35,000
Replacement	Tunnel -1 Crance Laser Distance/Power Rails/Shoes Rebuild	-	35,000	-	-	-	-	35,000
Replacement	Vehicle 345	-	35,000	-	-	-	-	35,000
Replacement	Equipment 0050	-	35,000	-	-	-	-	35,000
Replacement	MCC Room UPS	-	30,000	-	-	-	-	30,000
Replacement	Equipment 109A	-	30,000	-	-	-	-	30,000
Replacement	Sluice Gate Actuators	-	30,000	-	-	-	-	30,000
Replacement	Sludge Grinder	-	25,000	25,000	25,000	30,000	-	105,000
Replacement	Water Champ	-	25,000	25,000	25,000	-	-	75,000
Replacement	Equipment 0070	-	22,000	-	-	-	-	22,000
Replacement	Froth Spray Pump and Motor	-	20,000	-	-	40,000	-	60,000
Replacement	Fire Alarm Panel	-	20,000	-	-	-	-	20,000
Replacement	Actuator for Butterfly Valve	-	20,000	-	-	-	-	20,000
Replacement	Fybroc Sump Pump	-	20,000	-	-	-	-	20,000
Replacement	Hypo Pump and Motor	-	20,000	-	-	-	-	20,000

Operating Capital Program Summary by Fiscal Year

Asset Type	Asset Title	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total Cost
Replacement	Gearbox, stem and piston	-	20,000	-	-	-	-	20,000
Replacement	Dilution Flow Meter	-	15,000	-	-	-	-	15,000
Replacement	Computer Air Handling Unit	-	15,000	-	-	-	-	15,000
Replacement	Copier Machine	-	15,000	-	-	-	-	15,000
Replacement	Variable Frequency Drive	-	15,000	-	-	-	-	15,000
Replacement	Tank Level Indicator	-	10,000	-	-	-	-	10,000
Replacement	Equipment 0025	-	10,000	-	-	-	-	10,000
Replacement	Fluke Process Meter	-	9,000	-	-	-	-	9,000
Replacement	Flow Meter	-	8,000	-	-	-	-	8,000
Replacement	LEL Gas Meter	-	6,000	-	-	-	-	6,000
Replacement	Sewage Pump	-	-	250,000	-	250,000	-	500,000
Replacement	20 MGD Sewage Pump Cartridge	-	-	130,000	-	-	-	130,000
Replacement	Caustic Storage Tank	-	-	75,000	80,000	85,000	-	240,000
Replacement	300 HP Motor for Pump	-	-	55,000	55,000	-	-	110,000
Replacement	Vehicle 332	-	-	50,000	-	-	-	50,000
Replacement	Flow Meter Venturi	-	-	40,000	-	-	-	40,000
Replacement	Gearboxes for Sluice Gates	-	-	40,000	-	-	-	40,000
Replacement	Scum Dewatering Pump	-	-	36,000	-	-	-	36,000
Replacement	Plant Water Pump and Motor	-	-	35,000	35,000	-	-	70,000
Replacement	Vehicle 333	-	-	35,000	-	-	-	35,000
Replacement	Equipment 0024	-	-	25,000	-	-	-	25,000
Replacement	Metering Pumps	-	-	25,000	-	-	-	25,000
Replacement	Dewatering Pump Motor	-	-	19,000	-	-	-	19,000
Replacement	Sodium Bisulfite Analyzer - Built by Gary	-	-	15,000	-	-	-	15,000
Replacement	Dewatering Pump	-	-	12,000	-	-	-	12,000
Replacement	LEL Gas Meter	-	-	10,000	-	-	-	10,000
Replacement	Effluent Bisulfite Analyzer	-	-	9,000	-	-	-	9,000
Replacement	G1-G7 Gearbox, Stem and Electric actuators	-	-	-	205,000	-	-	205,000
Replacement	Cameras and Server	-	-	-	75,000	-	-	75,000
Replacement	Equipment 0059	-	-	-	55,000	-	-	55,000
Replacement	Sewage Pump Cone Valve Actuator	-	-	-	50,000	-	-	50,000
Replacement	ABB Process Control Unit (PCU)	-	-	-	50,000	-	-	50,000
Replacement	Butterfly Valve	-	-	-	40,000	-	-	40,000
Replacement	Water Champ	-	-	-	35,000	-	-	35,000
Replacement	GT Flow Meter Assembly	-	-	-	30,000	-	-	30,000
Replacement	Flow Meters	-	-	-	28,000	-	-	28,000
Replacement	Exhaust Fans	-	-	-	25,000	-	-	25,000
Replacement	Scum Pump w/ motor	-	-	-	20,000	-	25,000	45,000
Replacement	Serp. Conveyor Pans	-	-	-	20,000	-	-	20,000
Replacement	Sump Pump	-	-	-	15,000	-	-	15,000
Replacement	Scum Tank Skimmer	-	-	-	15,000	-	-	15,000
Replacement	AC Unit in MCC Room	-	-	-	15,000	-	-	15,000
Replacement	Air Handling Unit, MCC Room	-	-	-	15,000	-	-	15,000
Replacement	66" Screw Pump	-	-	-	-	85,000	-	85,000
Replacement	Caustic Metering Pumps	-	-	-	-	45,000	-	45,000
Replacement	Underflow Valve Actuators	-	-	-	-	45,000	-	45,000
Replacement	Vehicle 315	-	-	-	-	40,000	-	40,000
Replacement	Air Handling Unit	-	-	-	-	35,000	-	35,000
Replacement	Stainless Steel Tank	-	-	-	-	30,000	-	30,000
Replacement	Equipment FP0026B	-	-	-	-	25,000	-	25,000
Replacement	Equipment FP0028B	-	-	-	-	25,000	-	25,000
Replacement	Equipment FP0071	-	-	-	-	25,000	-	25,000
Replacement	Equipment FP0072	-	-	-	-	25,000	-	25,000
Replacement	Equipment 109CWA	-	-	-	-	25,000	-	25,000
Replacement	VFD Grit Pump #1, 2, 3	-	-	-	-	15,000	45,000	60,000
Replacement	OandM Support Bldg. Copy Machine	-	-	-	-	10,000	-	10,000
Replacement	Maintenance Bldg. Copy Machine	-	-	-	-	10,000	-	10,000
Replacement	OPS 20' Storage Trailer #10	-	-	-	-	10,000	-	10,000
Replacement	Vehicle 317	-	-	-	-	-	80,000	80,000
Replacement	Serp. Conveyor Gearbox motor/parts	-	-	-	-	-	70,000	70,000
Replacement	Vehicle 314	-	-	-	-	-	70,000	70,000
Replacement	Vehicle 319	-	-	-	-	-	70,000	70,000
Replacement	Dewatering Pumps	-	-	-	-	-	50,000	50,000
Replacement	Flexim Flow Meters	-	-	-	-	-	40,000	40,000
Replacement	Utility Terrain Vehicle FP0015B	-	-	-	-	-	25,000	25,000
Replacement	Utility Terrain Vehicle FP0020B	-	-	-	-	-	25,000	25,000
Replacement	Mag Flow Meter	-	-	-	-	-	20,000	20,000
Replacement	OPS 40' Wet Weather Storage Trailer	-	-	-	-	-	15,000	15,000
Replacement	Grit Influent Ammonia Meter	-	-	-	-	-	15,000	15,000
	Subtotal Field's Point	1,980,000	1,783,000	1,331,000	1,448,000	1,265,000	965,000	8,772,000

Bucklin Point

Operating Capital Program Summary by Fiscal Year

Asset Type	Asset Title	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total Cost
Replacement	George Panel	400,000	-	-	-	-	-	400,000
Replacement	Krohne Meter	100,000	-	-	-	-	-	100,000
Replacement	Bar Rack 2	90,000	90,000	90,000	95,000	100,000	-	465,000
Replacement	Sludge Pump 1 w/Grinder Seepex	85,000	-	-	70,000	-	-	155,000
Replacement	Booster Pump 1 Methane Gas Spencer	65,000	-	-	90,000	-	-	155,000
Replacement	Hypo Pumps	55,000	-	-	-	-	-	55,000
Replacement	Sewage Pump	50,000	-	-	-	-	-	50,000
Replacement	Air Filter Box	45,000	-	45,000	-	45,000	-	135,000
Replacement	Muffin Monster Cutter Assembly	40,000	-	-	-	-	-	40,000
Betterment	Roots blower motor rebuild	35,000	-	-	-	-	-	35,000
Replacement	Disolved Oxy. Valve Limitorque. Tanks	35,000	-	-	-	-	-	35,000
Replacement	Grit Pump 1	30,000	-	-	-	-	35,000	65,000
Replacement	Equipment 0065A	30,000	-	-	-	-	-	30,000
Replacement	Disinfection Control System-4 VFDs	30,000	-	-	-	-	-	30,000
Replacement	Screen and Grit Building Universal Power Supply	30,000	-	-	-	-	-	30,000
Replacement	Bar Rack Screening Conveyor	25,000	-	-	-	-	-	25,000
Replacement	Flushing Water Pump #3 W/Aes Seal	25,000	-	-	-	-	-	25,000
Replacement	Confined Space Safety Equiment	25,000	-	-	-	-	-	25,000
Replacement	BVI Flume Meter	25,000	-	-	-	-	-	25,000
Replacement	Equipment 0065	20,000	-	-	-	-	-	20,000
Replacement	30 Yard Container	18,000	-	-	-	-	-	18,000
Replacement	UPS Battery Backup	15,000	-	-	-	-	-	15,000
Replacement	Equipment 104A	10,000	-	-	-	-	-	10,000
Replacement	Screw Pump	-	75,000	-	-	-	-	75,000
Replacement	Booster Pump - Methane Gas Spencer	-	65,000	-	-	-	-	65,000
Replacement	Vehicle 330	-	45,000	-	-	-	-	45,000
Replacement	Scum Pump Grinder and Mixer	-	35,000	35,000	-	-	-	70,000
Replacement	Vortex Collector Motor and Gearbox	-	35,000	-	-	-	-	35,000
Replacement	Scum Pump	-	30,000	-	30,000	-	35,000	95,000
Replacement	Vehicle 351	-	30,000	-	-	-	-	30,000
Replacement	Flow Meter	-	26,000	-	-	-	-	26,000
Replacement	Harmonic Turbo Blowers	-	24,000	-	-	-	-	24,000
Replacement	Sump Pumps	-	20,000	-	-	-	-	20,000
Replacement	Limortorq Actuators and Gearbox	-	15,000	-	-	-	-	15,000
Replacement	Siemens Control Panel and Power Monitoring System	-	14,000	-	-	-	-	14,000
Replacement	Voltage Regulator	-	12,000	-	-	-	-	12,000
Replacement	Portable Pipe Bender 910A	-	10,000	-	-	-	-	10,000
Replacement	Snow Blower 0102A	-	7,000	-	-	-	-	7,000
Replacement	Vehicle 368	-	-	85,000	-	-	-	85,000
Replacement	Ultraviolet Disinfection Lamp Monitoring Probe	-	-	50,000	-	-	-	50,000
Replacement	Vehicle 344	-	-	35,000	-	-	-	35,000
Replacement	Hypo Pump	-	-	30,000	-	-	-	30,000
Replacement	Aeration Tank Diffusers	-	-	16,000	-	-	-	16,000
Replacement	Actuator Valves	-	-	15,000	-	-	-	15,000
Replacement	Bisulfite Tanks	-	-	14,000	-	-	-	14,000
Replacement	TSS Meter	-	-	10,000	-	-	-	10,000
Replacement	Meter and Transmitter	-	-	10,000	-	-	-	10,000
Replacement	Equipment 118A	-	-	10,000	-	-	-	10,000
Replacement	Gas Detection System	-	-	8,000	-	-	-	8,000
Replacement	Equipment 0102A	-	-	8,000	-	-	-	8,000
Replacement	Influent Flow Meter	-	-	6,000	-	-	-	6,000
Replacement	Muffin Monster Cutting Assembly, Motor and SS Box	-	-	-	50,000	-	-	50,000
Replacement	Vehicle 331	-	-	-	45,000	-	-	45,000
Replacement	DO Sensors	-	-	-	-	120,000	-	120,000
Replacement	Mixer 1, Digest. 1	-	-	-	-	60,000	-	60,000
Replacement	Mixer 2, Digest. 1	-	-	-	-	60,000	-	60,000
Replacement	Mixer 3, Digest. 1	-	-	-	-	60,000	-	60,000
Replacement	Mixer 1, Digest. 3	-	-	-	-	60,000	-	60,000
Replacement	Mixer 2, Digest. 3	-	-	-	-	60,000	-	60,000
Replacement	Mixer 3, Digest. 3	-	-	-	-	60,000	-	60,000
Replacement	Scum Pump	-	-	-	-	50,000	-	50,000
Replacement	RAS Pump	-	-	-	-	40,000	-	40,000
Replacement	Scum Pump	-	-	-	-	30,000	-	30,000
Replacement	Mixer	-	-	-	-	22,000	-	22,000
Replacement	Effluent Pump	-	-	-	-	-	150,000	150,000
Replacement	Blower	-	-	-	-	-	140,000	140,000
Replacement	VFD Effluent Pumps	-	-	-	-	-	90,000	90,000
Replacement	RAS Sludge Pump	-	-	-	-	-	60,000	60,000
Replacement	Waste Pump	-	-	-	-	-	60,000	60,000
Replacement	Mixer w/Motor	-	-	-	-	-	45,000	45,000
Replacement	Poly Emulsion Pump	-	-	-	-	-	45,000	45,000
Replacement	Actuators for Sluice Gates	-	-	-	-	-	40,000	40,000

Operating Capital Program Summary by Fiscal Year

Asset Type	Asset Title	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total Cost
Replacement	RAS Sludge Pump	-	-	-	-	-	40,000	40,000
Replacement	Vehicle 30	-	-	-	-	-	40,000	40,000
Replacement	Sludge Feed Pump	-	-	-	-	-	25,000	25,000
Replacement	Carbon Feed Tubing Pumps	-	-	-	-	-	25,000	25,000
Replacement	Hyperbolic Mixers	-	-	-	-	-	18,000	18,000
Replacement	Carbon Recirculation Pump	-	-	-	-	-	15,000	15,000
	Subtotal Bucklin Point	1,283,000	533,000	467,000	380,000	767,000	863,000	4,293,000
ENVIRONMENTAL SCIENCE and COMPLIANCE								
Pretreatment								
Replacement	Vehicle 371	-	45,000	-	-	-	-	45,000
Replacement	Vehicle 342	-	-	-	45,000	-	-	45,000
Replacement	Vehicle 325	-	-	-	-	-	45,000	45,000
	Subtotal Pretreatment	-	45,000	-	45,000	-	45,000	135,000
Laboratory								
Replacement	Robotic BOD Analyzer	132,000	-	-	-	-	146,000	278,000
Replacement	Fresh Water Nutrient Analyzer	131,000	-	-	-	-	145,000	276,000
Replacement	Oil and Grease Extractor	80,000	-	-	-	-	85,000	165,000
New	LIMS Enhancement	33,000	50,000	-	50,000	-	50,000	183,000
Replacement	Laboratory Refrigerators	27,000	-	-	-	-	29,000	56,000
Replacement	Gas Chromatography Analyzer	-	182,000	-	-	-	-	182,000
Replacement	Water purification system	-	132,000	-	-	-	-	132,000
Replacement	Auto-Titration System	-	129,000	-	-	-	-	129,000
Replacement	Total Organic Carbon Analyzer (TOC)	-	63,000	-	-	-	-	63,000
Replacement	Lab Dishwashers	-	-	77,000	-	-	-	77,000
Replacement	Biological Media Dispenser	-	-	54,000	-	-	-	54,000
Replacement	Autoclave (1)	-	-	54,000	-	-	-	54,000
Replacement	Autoclave (2)	-	-	54,000	-	-	-	54,000
Replacement	Mercury Analyzer	-	-	33,000	-	-	-	33,000
Replacement	Microbiology Microscope	-	-	30,000	-	-	-	30,000
Replacement	Analytical Balances	-	-	26,000	-	-	-	26,000
Replacement	Laboratory Refrigerators	-	-	18,000	-	18,000	-	36,000
Replacement	Liquid Chromatograph-MS (LC-MS) System	-	-	-	623,000	-	-	623,000
Replacement	ICP-Mass Spectrometer Analyzer	-	-	-	227,000	-	-	227,000
Replacement	Salt Water Nutrient Analyzer	-	-	-	-	155,000	-	155,000
Replacement	ICP-OES Industrial Metals Analyzer	-	-	-	-	133,000	-	133,000
Replacement	Cyanide Analyzer	-	-	-	-	120,000	-	120,000
	Subtotal Laboratory	403,000	556,000	346,000	900,000	426,000	455,000	3,086,000
Environmental Monitoring								
Replacement	Bullock's Reach Buoy	59,000	-	-	-	-	-	59,000
Replacement	Fixed Site Sondes and Associated Equipment	56,000	56,000	60,000	60,000	60,000	65,000	357,000
Replacement	Vehicle 349	45,000	-	-	-	-	-	45,000
Replacement	Fixed Site Probes, Handheld Meter, and Related Equipment	32,000	34,000	34,000	34,000	36,000	38,000	208,000
Replacement	Refrigerated Autosampler	12,000	-	-	-	-	-	12,000
Replacement	Vehicle 340	-	47,000	-	-	-	-	47,000
Replacement	Refrigerated Autosampler	-	-	13,000	-	-	-	13,000
Replacement	Boat Trailer	-	-	12,000	-	-	-	12,000
Replacement	Vehicle 324	-	-	-	49,000	-	-	49,000
Replacement	Vehicle 309	-	-	-	-	51,000	-	51,000
Replacement	Refrigerated Autosampler	-	-	-	-	14,000	-	14,000
Replacement	Vehicle 300	-	-	-	-	-	53,000	53,000
	Subtotal Environmental Monitoring	204,000	137,000	119,000	143,000	161,000	156,000	920,000
	Total	**$ 5,873,000**	**$ 3,650,000**	**$ 3,012,000**	**$ 4,187,000**	**$ 3,547,000**	**$ 3,359,500**	**$ 23,628,500**

FY 2024 Operating Capital Program

Asset Type	Rank	Budget Account	Allocation	Asset Title	Asset Description	Approved Budget
ADMINISTRATION						
Information Technology						
R	B	16555	OC24-033-001	Annual PC Refresh Program Replacement	Replace NBC personnel computers over 5 years	$ 75,000
R	B	16555	OC24-033-002	Edge Switch Upgrades	Upgrade Edge switches as new technology become available	50,000
N	B	16550	OC24-033-003	Oracle ERP/Database Enhancements	New enchancements to Oracle to meet the changing needs of NBC	40,000
N	C	16550	OC24-033-004	Conference Room Upgrades	Update technology to ensure user friendly	25,000
N	C	16550	OC24-033-005	Computer Room Enhancements	New hardware for computer room to ensure reliability and efficiency	25,000
N	C	16550	OC24-033-006	Hansen Upgrades	New enchancements to Hansen to meet the changing needs of NBC	25,000
N	A	16550	OC24-033-007	Security Upgrades	Ensure compliance with insurance security requirements	10,000
					Subtotal Information Technology	250,000
					Subtotal Administration	**250,000**
CONSTRUCTION and ENGINEERING						
Construction Services						
R	B	16515	OC24-022-001	Vehicle 357	Transport personnel to construction sites	55,000
R	B	16515	OC24-022-002	Vehicle 343	Replacement of V 343	45,000
R	B	16525	OC24-022-003	Plotter	Plot construction plans	20,000
					Subtotal Construction Services	120,000
Engineering						
R	A	16515	OC24-025-001	Wind Turbine Foundation	Upgrades to foundation of wind turbines due to design defect	250,000
R	B	16595	OC24-025-002	GPS Rover	Locate, measure and incorporate NBC assets into various platforms	45,000
R	B	16595	OC24-025-003	Survey Equipment	Field surveying	25,000
					Subtotal Engineering	320,000
					Subtotal Construction and Engineering	**440,000**
FINANCE						
Finance						
N	C	16550	OC24-031-001	Financial Reporting Enhancements	Enhancements to financial reporting software	75,000
					Subtotal Finance	75,000
Accounting						
R	B	16555	OC24-032-001	ERP Replacement	Replace hosted ERP with Cloud based ERP	500,000
					Subtotal Finance	500,000
Customer Service						
R	A	16555	OC24-034-001	CIS Enhancements	Upgrade Customer Care to V5/Beta; Cloud and Customer Portal to Cloud	250,000
R	B	16515	OC24-034-002	Vehicle 335	Customer site visits	38,000
					Subtotal Customer Service	288,000
					Subtotal Finance	**863,000**
OPERATIONS AND MAINTENANCE						
Interceptor Maintenance						
R	A	16515	OC24-043-001	Vehicle 455	Daily field work, construction projects, snow plowing/sanding	165,000
R	A	16515	OC24-043-002	Vehicle 338 w/Snow Plow and Sander	Daily field work, construction projects, snow plowing/sanding	125,000
R	A	16615	OC24-043-003	Transfer Switch for IM Building	Connect backup power to IM Building during power outages	45,000
R	A	16615	OC24-043-004	Manhole Frames and Covers	New lighter manhole covers which are easier to life	30,000
R	A	16525	OC24-043-005	Knox Box Replacements	Emergency key access for NBC properties	5,000
					Subtotal Interceptor Maintenance	370,000
Operations and Maintenance Services						
R	A	16555	OC24-044-001	Field's Point ABB Power Supply Upgrade	Improve system reliability	50,000
R	A	16555	OC24-044-002	Siemens PLC Upgrade	Improve system reliability	30,000
					Subtotal Operations and Maintenance Services	80,000
Field's Point						
R	B	16525	OC24-046-001	IFAS Mixers	Assist the biological nutrient reduction of our return activated sludge effluent	300,000
R	A	16525	OC24-046-002	Hydroflow Screen	Removes fine particulates in order to meet BNR requirements	200,000
R	A	16525	OC24-046-003	Flow Meters	Measures flow entering the tunnel, gate, and screening structures	200,000
R	A	16525	OC24-046-004	Bar Racks	Removes large amounts from influent to protect downstreatm equipment	160,000
R	A	16525	OC24-046-005	Tunnel Pump Cartridges	Pumps wastewater from the tunnel into the treatment facility	150,000
R	A	16525	OC24-046-006	Grit Tank Unit	Removes grit influent to protect downstream equipment	115,000
R	A	16525	OC24-046-007	Hypochlorite Tank Relining	Stores hypochlorite	110,000
R	A	16525	OC24-046-008	VFD Cells	For Ernest Stree Pump Station	100,000
R	B	16525	OC24-046-009	Blower Motor	For Field's Point Blower Building 2	80,000
N	B	16520	OC24-046-010	Godwin Pump	Dewater clarifier tanks and channels when traditional pumping in unavailable	75,000
R	A	16515	OC24-046-011	Vehicle 389	Instrumentation van	65,000
R	A	16515	OC24-046-012	Vehicle 360	Preventative maintenance van	65,000
R	A	16525	OC24-046-013	Hydraulic Actuator	Remove old electro-mechanical actuator and replace with hydraulic technology	50,000
R	A	16515	OC24-046-014	Vehicle 406	Used by Maintenance personnel	45,000
R	A	16515	OC24-046-015	Vehicle 446	Used by Operations personnel	45,000
R	B	16525	OC24-046-016	Sludge Pump w/Motor	Pumps sludge into tanks	40,000
R	A	16525	OC24-046-017	Relays	Replace obsolete relays to ensure reliability	40,000
R	B	16525	OC24-046-018	Sludge Grinder Cartridges	Macerates large chunks of sludge found in waste stream	35,000
R	A	16525	OC24-046-019	UPS	Ensure Reliability	35,000
R	A	16525	OC24-046-020	Equipment 0040	Used by Operations personnel	30,000
R	B	16525	OC24-046-021	Mag Flow Meter	Measures the influent flow into the Primary Clarifier Tanks	20,000
R	A	16525	OC24-046-022	Influent Cylinders	Raises and lowers sluice gates at the Ernest St Pump Station Wet Well	20,000
					Subtotal Field's Point	1,980,000
Bucklin Point						
R	A	16525	OC24-047-001	George Panel	Controls panels for blowers	400,000
R	A	16525	OC24-047-002	Krohne Meter	Measures flow of wastewater through the plant	100,000
R	A	16525	OC24-047-003	Bar Rack 2	Removes large items from influent	90,000
R	A	16525	OC24-047-004	Sludge Pump 1 w/Grinder Seepex	Pumps sludge and grinds large objects	85,000
R	C	16525	OC24-047-005	Booster Pump 1 Methane Gas Spencer	Transfers methane gas to boilers	65,000
R	A	16525	OC24-047-006	Hypo Pumps	Supplies sodium hypochlorite to effluent	55,000
R	A	16525	OC24-047-007	Sewage Pump	Pumps raw sewage from pump station to plant	50,000
R	A	16525	OC24-047-008	Air Filter Box	Filters air blown into aeration	45,000
R	B	16525	OC24-047-009	Muffin Monster Cutter Assembly	Grinds large objects	40,000
R	A	16525	OC24-047-010	Roots blower motor rebuild	Provides aeration to promote aerobic digestion	35,000
R	B	16525	OC24-047-011	Disolved Oxy. Valve Limitorque. Tanks	Actuators at aeration tanks	35,000
R	A	16525	OC24-047-012	Grit Pump 1	Removes grit from influent	30,000

FY 2024 Operating Capital Program

Asset Type	Rank	Budget Account	Allocation	Asset Title	Asset Description	Approved Budget
R	A	16515	OC24-047-013	Equipment 0065A	Transport personnel within the plant	30,000
R	A	16525	OC24-047-014	Disinfection Control System-4 VFDs	Controls disinfection at wet weather	30,000
R	A	16525	OC24-047-015	SandG UPS	Implementation of new technology	30,000
R	B	16525	OC24-047-016	Bar Rack Screening Conveyor	Moves large solids from bar rack	25,000
R	C	16525	OC24-047-017	Flushing Water Pump #3 W/Aes Seal	Supplies water to site and building	25,000
R	B	16525	OC24-047-018	Confined Space Safety Equiment	Assist workers in entry to or exit and rescue from confined spaces	25,000
R	A	16525	OC24-047-019	BVI Flume Meter	Flow meter, measures wastewater flow through E.P.I Parshall Flume.	25,000
R	B	16525	OC24-047-020	Equipment 0065	Mower to cut grass at facility	20,000
R	B	16515	OC24-047-021	30 Yard Container	Used for scrap metal, wood, etc. Fits on V353 Dump Truck	18,000
R	A	16525	OC24-047-022	UPS Battery Backup	Backup power for Digester Control Building - Electrical Room	15,000
R	B	16525	OC24-047-023	Equipment 104A	Measures flow of water	10,000
					Subtotal Bucklin Point	1,283,000
					Subtotal Operations and Maintenance	**3,713,000**
ENVIRONMENTAL SCIENCE and COMPLIANCE						
Laboratory						
R	A	16575	OC24-053-001	Robotic BOD Analyzer	Tests for BOD in Field's Point, Bucklin Point and SIU industrial samples	132,000
R	B	16575	OC24-053-002	Fresh Water Nutrient Analyzer	Tests for nitrogen compounds in Field's Point, Bucklin Point and SIU industrial samples	131,000
R	B	16575	OC24-053-003	Oil and Grease Extractor	Tests for oil and grease in Field's Point, Bucklin Point and SIU industrial samples	80,000
N	B	16550	OC24-053-004	LIMS Enhancement	Inventories permit samples according to regulations	33,000
R	B	16575	OC24-053-005	Laboratory Refrigerators	Stores permit samples according to regulations	27,000
					Subtotal Laboratory	403,000
Environmental Monitoring						
R	A	16575	OC24-055-001	Bullock's Reach Buoy	Real-time water quality monitoring of NBC's receiving waters	59,000
R	A	16575	OC24-055-002	Fixed Site Sondes and Associated Equipment	Used to conduct real-time water quality monitoring of NBC's receiving waters	56,000
R	A	16515	OC24-055-003	Vehicle 349	Used to collected samples at NBC's plans and throughout its collection system	45,000
N	A	16575	OC24-055-004	Fixed Site Probes, Handheld Meter, and Related Equipment	Used to conduct real-time water quality monitoring of NBC's receiving waters	32,000
R	A	16575	OC24-055-005	Refrigerated Autosampler	Used to conduct water quality monitoring of NBC's combined stormwater	12,000
					Subtotal Environmental Monitoring	204,000
					Subtotal Environmental Science and Compliance	**607,000**
					Total Operating Capital FY 2024	**$ 5,873,000**

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.	**OC24-033-001**				
Asset Title:	**Annual PC Refresh Program Repl.**	**Cost Center:**	Information Technology		
Asset Location:	All NBC Locations	**Amount:**	$ 75,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Replacing existing aged computers over the 5-year refresh cycle.				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	3 Years	
Original date in service:	2018		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-033-002**				
Asset Title:	**Network Edge Switch Upgrades**	**Cost Center:**	Information Technology		
Asset Location:	All NBC Locations	**Amount:**	$ 50,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Upgrade Edge Switches as new technology become available.				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	3 Years	
Original date in service:	2018		**Original estimated useful life:**	3 Years	

Asset Allocation No.	**OC24-033-003**				
Asset Title:	**Database Enhancements**	**Cost Center:**	Information Technology		
Asset Location:	Corporate Office Building	**Amount:**	$ 40,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	New enchancements to meet the changing needs of NBC				
Budget Account:	16550 Computer Equipment				
Type:	NEW		**Useful life:**	3 Years	
Original date in service:	N/A		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-033-004**				
Asset Title:	**Conference Room Upgrades**	**Cost Center:**	Information Technology		
Asset Location:	Corporate Office Building	**Amount:**	$ 25,000	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Update technology to ensure user friendly.				
Budget Account:	16550 Computer Equipment				
Type:	NEW		**Useful life:**	3 Years	
Original date in service:	N/A		**Original estimated useful life:**	5 Years	

ADTECH SYSTEMS

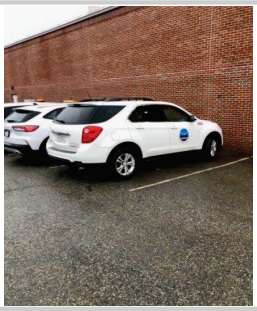
Asset Allocation No.	**OC24-033-005**				
Asset Title:	**Computer Room Enhancements**	**Cost Center:**	Information Technology		
Asset Location:	Corporate Office Building	**Amount:**	$ 25,000	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	New hardware for computer room to ensure reliability and efficiency.				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Useful life:**	3 Years		
Original date in service:	N/A	**Original estimated useful life:**	3 Years		

Asset Allocation No.	**OC24-033-006**				
Asset Title:	**Hansen Upgrades**	**Cost Center:**	Information Technology		
Asset Location:	Corporate Office Building	**Amount:**	$ 25,000	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	New enhancements to the Hansen system; new purchases to meet the changing needs of NBC.				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Useful life:**	3 Years		
Original date in service:	N/A	**Original estimated useful life:**	5 Years		

Asset Allocation No.	**OC24-033-007**				
Asset Title:	**Security Upgrades**	**Cost Center:**	Information Technology		
Asset Location:	Corporate Office Building	**Amount:**	$ 10,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Ensure compliance with insurance security requirements				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Useful life:**	3 Years		
Original date in service:	N/A	**Original estimated useful life:**	3 Years		

Asset Allocation No.	**OC24-022-001**				
Asset Title:	**Vehicle 357**	**Cost Center:**	Construction Services		
Asset Location:	Field's Point	**Amount:**	$ 55,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection	☐ Other		
Asset Description:	Transport personnel to construction sites.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT	**Useful life:**	5 Years		
Original date in service:	2012	**Original estimated useful life:**	10 Years		

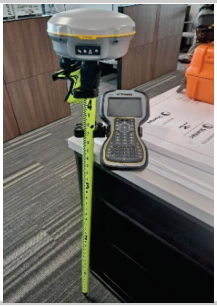
Asset Allocation No.	**OC24-022-002**				
Asset Title:	**Vehicle 343**	**Cost Center:**	Construction Services		
Asset Location:	Field's Point	**Amount:**	$ 45,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Replacement of V 343.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	10 Years	
Original date in service:	2015		**Original estimated useful life:**	10 Years	



Asset Allocation No.	**OC24-022-003**				
Asset Title:	**Plotter**	**Cost Center:**	Construction Services		
Asset Location:	Bucklin Point	**Amount:**	$ 20,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Plot construction plans.				
Budget Account:	16586 Office Furniture & Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2008		**Original estimated useful life:**	15 Years	

Asset Allocation No.	**OC24-025-001**				
Asset Title:	**Wind Turbine Foundation**	**Cost Center:**	Engineering		
Asset Location:	Coventry	**Amount:**	$250,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Rehabilitation of wind turbine foundations due to design defect.				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	BETTERMENT		**Useful life:**	10 Years	
Original date in service:	N/A		**Original estimated useful life:**	20 Years	

Asset Allocation No.	**OC24-025-002**				
Asset Title:	**GPS Rover**	**Cost Center:**	Engineering		
Asset Location:	Corporate Office Building	**Amount:**	$ 45,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Locate, measure and incorporate NBC assets into various platforms.				
Budget Account:	16595 Other Equipment Replacment				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2011		**Original estimated useful life:**	5 Years	



Asset Allocation No.	**OC24-025-003**				
Asset Title:	**Survey Equipment**	**Cost Center:**	Engineering		
Asset Location:	Corporate Office Building	**Amount:**	$ 25,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☑ Inspection		☐ Other	
Asset Description:	To locate, measure, and incorporate NBC assets into various platforms such as GIS, AutoCAD, and provide critical information for NBC projects and operations.				
Budget Account:	16595 Other Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-031-001**				
Asset Title:	**Financial Budgeting Software**	**Cost Center:**	Finance		
Asset Location:	Corporate Office Building 2nd Floor	**Amount:**	$ 75,000	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Financial Reporting enhancements.				
Budget Account:	16550 Computer Equipment				
Type:	NEW		**Useful life:**	3 Years	
Original date in service:	N/A		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-032-001**				
Asset Title:	**ERP Replacement**	**Cost Center:**	Accounting		
Asset Location:	Corporate Office Building	**Amount:**	$500,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Replace hosted ERP with Cloud based ERP				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2002		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-034-001**				
Asset Title:	**CS System Cloud Migration**	**Cost Center:**	Customer Service		
Asset Location:	Corporate Office Building	**Amount:**	$250,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	CIS Enhancements to upgrade Customer Care to V5/Beta; Cloud and Customer Portal to the Cloud				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2019		**Original estimated useful life:**	5 Years	

ADVANCED UTILITY SYSTEMS

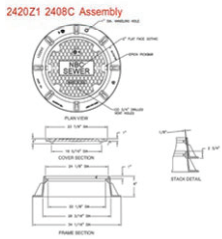
Asset Allocation No.	**OC24-034-002**				
Asset Title:	**Vehicle 335**	**Cost Center:**	Customer Service		
Asset Location:	Customer site visits	**Amount:**	$ 38,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Customer site visits.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2016		**Original estimated useful life:**	9 Years	

Asset Allocation No.	**OC24-043-001**				
Asset Title:	**Vehicle 455 5yd Dump Truck**	**Cost Center:**	Interceptor Maintenance		
Asset Location:	Interceptor Maintenance Dept. Fleet	**Amount:**	$165,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Daily field work, construction projects, snow plowing/sanding.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2009		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-043-002**				
Asset Title:	**Vehicle 338 w/Snow Plow and Sander**	**Cost Center:**	Interceptor Maintenance		
Asset Location:	Interceptor Maintenance Dept. Fleet	**Amount:**	$125,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Daily field work, construction projects, snow plowing/sanding.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2015		**Original estimated useful life:**	8 Years	

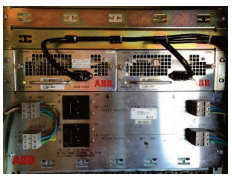
Asset Allocation No.	**OC24-043-003**				
Asset Title:	**Electrical Generator Transfer Switch**	**Cost Center:**	Interceptor Maintenance		
Asset Location:	Interceptor Maintenance Building	**Amount:**	$ 45,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Connect backup power to IM Building during power outages.				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	NEW		**Useful life:**	50 Years	
Original date in service:	N/A		**Original estimated useful life:**	30 Years	

Asset Allocation No.	**OC24-043-004**				
Asset Title:	**Manhole Frames and Covers**	**Cost Center:**	Interceptor Maintenance		
Asset Location:	Interceptor Maintenance Dept.	**Amount:**	$ 30,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	New lighter manhole covers which are easier to lift.				
Budget Account:	16615 Building & Other Structures Replacement				
Type:	REPLACEMENT		**Useful life:**	50 Years	
Original date in service:	N/A		**Original estimated useful life:**		20 Years



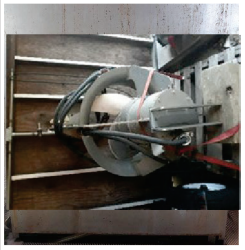
Asset Allocation No.	**OC24-043-005**				
Asset Title:	**Knox Box Replacements**	**Cost Center:**	Interceptor Maintenance		
Asset Location:	Various FP/BP Pump Stations	**Amount:**	$ 5,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Emergency key access for NBC properties.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	N/A		**Original estimated useful life:**		30 Years

Asset Allocation No.	**OC24-044-001**				
Asset Title:	**Field's Point ABB Power Supply Upgrade**	**Cost Center:**	Operations & Maintenance Services		
Asset Location:	FP Wet Weather Facilities and Grit Generator Power	**Amount:**	$ 50,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Improve system reliability.				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	1997		**Original estimated useful life:**		20 Years



Asset Allocation No.	**OC24-044-002**				
Asset Title:	**Siemens PLC Upgrade**	**Cost Center:**	Operations & Maintenance Services		
Asset Location:	Throughout the BP Facility	**Amount:**	$ 30,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Improve system reliability.				
Budget Account:	16555 Computer Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2005		**Original estimated useful life:**		15 Years

Asset Allocation No.	**OC24-046-001**				
Asset Title:	**IFAS Mixers**	**Cost Center:**	Field's Point		
Asset Location:	IFAS Tanks 1 through 10	**Amount:**	$300,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Assist the biological nutrient reduction of our return activated sludge effluent.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2007		**Original estimated useful life:**	10 Years	



Asset Allocation No.	**OC24-046-002**				
Asset Title:	**Hydroflow Screen**	**Cost Center:**	Field's Point		
Asset Location:	Screening and Caustic Building	**Amount:**	$200,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Removes fine particulates in order to meet BNR requirements.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	15 Years	
Original date in service:	2012		**Original estimated useful life:**	12 Years	

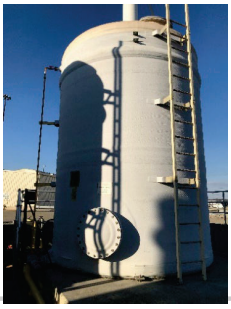
Asset Allocation No.	**OC24-046-003**				
Asset Title:	**Flow Meters**	**Cost Center:**	Field's Point		
Asset Location:	G1-G8 - Gate & Screenings Structures	**Amount:**	$200,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Measures flow entering the tunnel, gate, and screening structures.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2007		**Original estimated useful life:**	15 Years	

Asset Allocation No.	**OC24-046-004**				
Asset Title:	**Bar Racks**	**Cost Center:**	Field's Point		
Asset Location:	Ernest ST. Pump Station - Influent Pumping	**Amount:**	$160,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Removes large amounts from influent to protect downstreatm equipment.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2016		**Original estimated useful life:**	6 Years	

Asset Allocation No.	**OC24-046-005**				
Asset Title:	**Tunnel Pump Cartridges**	**Cost Center:**	Field's Point		
Asset Location:	Tunnel Pump Station	**Amount:**	$150,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Pumps wastewater from the tunnel into the treatment facility.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2007		**Original estimated useful life:**	15 Years	

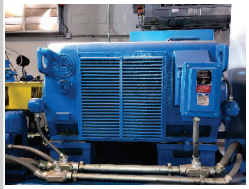
Asset Allocation No.	**OC24-046-006**				
Asset Title:	**Grit Tank Unit**	**Cost Center:**	Field's Point		
Asset Location:	Grit Building - Preliminary Treatment	**Amount:**	$115,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Grit unit at the Preliminary Treatment building will be replaced due to worn equipment. Removes grit influent to protect downstream equipment.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-046-007**				
Asset Title:	**Hypochlorite Tank Relining**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point Hypo Farm	**Amount:**	$110,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Hypochlorite Tanks used to store chemicals.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	BETTERMENT		**Useful life:**	5 Years	
Original date in service:	1998		**Original estimated useful life:**	15 Years	



Asset Allocation No.	**OC24-046-008**				
Asset Title:	**Variable Frequency Drive Cells**	**Cost Center:**	Field's Point		
Asset Location:	Ernest Stree Pump Station	**Amount:**	$100,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	These parts are going to be installed in MV SIEMENS VFDs at ESPS.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2010		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-046-009**				
Asset Title:	**Blower Motor**	**Cost Center:**	Field's Point		
Asset Location:	Blower Building #2	**Amount:**	$ 80,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	For Field's Point Blower Building 2				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	N/A		**Original estimated useful life:**	7 Years	



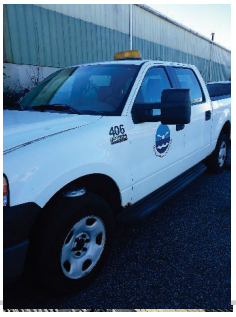
Asset Allocation No.	**OC24-046-010**				
Asset Title:	**Godwin Pump**	**Cost Center:**	Field's Point		
Asset Location:	Fields Point Wastewater Treatment Facility	**Amount:**	$ 75,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Dewater clarifier tanks and channels when traditional pumping in unavailable.				
Budget Account:	16520 Building and Plant Equipment				
Type:	NEW		**Useful life:**	7 Years	
Original date in service:	N/A		**Original estimated useful life:**	20 Years	

Asset Allocation No.	**OC24-046-011**				
Asset Title:	**Vehicle 389**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 65,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Instrumentation Van.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2008		**Original estimated useful life:**	10 Years	

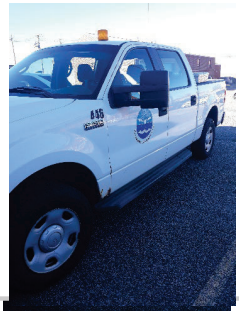
Asset Allocation No.	**OC24-046-012**				
Asset Title:	**Vehicle 360**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 65,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Preventative Maintenance Van.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2012		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-046-013**				
Asset Title:	**Hydraulic Actuator**	**Cost Center:**	Field's Point		
Asset Location:	G-5 Gate and Screening Structure	**Amount:**	$ 50,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Remove old electro-mechanical actuator and replace with hydraulic technology. This site is prone to flooding and electrical failures. Hydraulic actuators are resilient to these failures.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2007		**Original estimated useful life:**	25 Years	

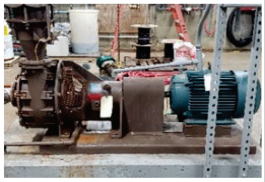
Asset Allocation No.	**OC24-046-014**				
Asset Title:	**Vehicle 406**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 45,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Maintenance Crew Car, Used by Operations personnel.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2008		**Original estimated useful life:**	10 Years	



Asset Allocation No.	**OC24-046-015**				
Asset Title:	**Vehicle 446**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 45,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Used by Operations personnel.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2008		**Original estimated useful life:**	10 Years	

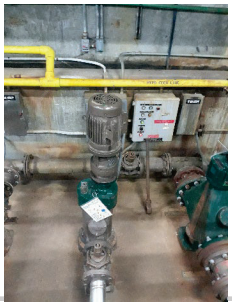


Asset Allocation No.	**OC24-046-016**				
Asset Title:	**Sludge Pump w/Motor**	**Cost Center:**	Field's Point		
Asset Location:	Primary Sludge Pump St.	**Amount:**	$ 40,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Pumps sludge into tanks.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2006		**Original estimated useful life:**	15 Years	



Asset Allocation No.	**OC24-046-017**				
Asset Title:	**Relays for Main Switchgear**	**Cost Center:**	Field's Point		
Asset Location:	Wind Turbine Feeder-Field's Point	**Amount:**	$ 40,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Replace obsolete relays to ensure reliability.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2009		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-046-018**				
Asset Title:	**Sludge Grinder Cartridges**	**Cost Center:**	Field's Point		
Asset Location:	Gravity Thickener Pump St.	**Amount:**	$ 35,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Macerates large chunks of sludge found in waste stream.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2010		**Original estimated useful life:**	11 Years	

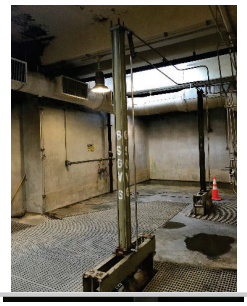


Asset Allocation No.	**OC24-046-019**				
Asset Title:	**Uninterruptable Power Supply**	**Cost Center:**	Field's Point		
Asset Location:	FP Administration Building	**Amount:**	$ 35,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Ensure reliability.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2014		**Original estimated useful life:**	20 Years	

Asset Allocation No.	**OC24-046-20**				
Asset Title:	**Equipment 0040**	**Cost Center:**	Field's Point		
Asset Location:	Field's Point	**Amount:**	$ 30,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Used by Operations personnel.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2012		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-046-021**				
Asset Title:	**Magnetic Sludge Flow Meters**	**Cost Center:**	Field's Point		
Asset Location:	Primary Sludge Pumping Station, FPWWTF	**Amount:**	$ 20,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Measures the influent flow into the Primary Clarifier Tanks.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	1992		**Original estimated useful life:**	15 Years	

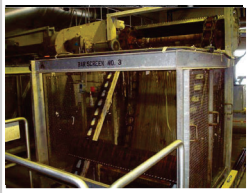
Asset Allocation No.	**OC24-046-022**				
Asset Title:	**Influent Cylinders**	**Cost Center:**	Field's Point		
Asset Location:	ESPS	**Amount:**	$ 20,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Raises and lowers sluice gates at the Ernest St Pump Station Wet Well.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	N/A		**Original estimated useful life:**	10 Years	



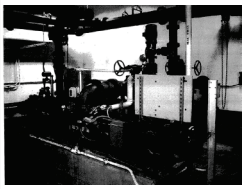
Asset Allocation No.	**OC24-047-001**				
Asset Title:	**Master Control George Panel**	**Cost Center:**	Bucklin Point		
Asset Location:	Blower Building	**Amount:**	$400,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Controls panels for blowers.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2014		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-002**				
Asset Title:	**60" Krohne Meter**	**Cost Center:**	Bucklin Point		
Asset Location:	Bucklin Point	**Amount:**	$100,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Measures flow of wastewater through the plant.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	20 Years	
Original date in service:	2004		**Original estimated useful life:**	20 Years	

Asset Allocation No.	**OC24-047-003**				
Asset Title:	**Bar Rack**	**Cost Center:**	Bucklin Point		
Asset Location:	Screen & Grit Buidling	**Amount:**	$ 90,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Removes large items from influent.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	5 Years	



Asset Allocation No.	**OC24-047-004**				
Asset Title:	**Sludge Pump w/Grinder Seepex**	**Cost Center:**	Bucklin Point		
Asset Location:	Dry Weather Primary Pump St	**Amount:**	$ 85,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Pumps sludge and grinds large objects.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	10 Years	



Asset Allocation No.	**OC24-047-005**				
Asset Title:	**Booster Pump Methane Gas**	**Cost Center:**	Bucklin Point		
Asset Location:	Digester Control Building	**Amount:**	$ 65,000	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Transfers methane gas to boilers.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2015		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-006**				
Asset Title:	**Hypochlorite Pumps**	**Cost Center:**	Bucklin Point		
Asset Location:	Wet Weather disinfection/Plant water Bldg.	**Amount:**	$ 55,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Supplies sodium hypochlorite to effluent.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	8 Years	

Asset Allocation No.	**OC24-047-007**				
Asset Title:	**Sewage Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Saylesville Pump Station	**Amount:**	$ 50,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Pumps raw sewage from pump station to plant.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2001		**Original estimated useful life:**	15 Years	

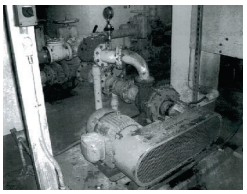
Asset Allocation No.	**OC24-047-008**				
Asset Title:	**Air Filter Box**	**Cost Center:**	Bucklin Point		
Asset Location:	Blower Building	**Amount:**	$ 45,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Filters air blown into aeration.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2020		**Original estimated useful life:**	4 Years	

Asset Allocation No.	**OC24-047-009**				
Asset Title:	**Muffin Monster Cutter Assembly**	**Cost Center:**	Bucklin Point		
Asset Location:	Screenings & Grit/Bar Rack	**Amount:**	$ 40,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Grinds large objects.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-010**				
Asset Title:	**ROOTS BLOWER MOTOR REBUILD**	**Cost Center:**	Bucklin Point		
Asset Location:	BLOWER BLDG.	**Amount:**	$ 35,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Provides aeration to promote aerobic digestion.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	BETTERMENT		**Useful life:**	20 Years	
Original date in service:	2004		**Original estimated useful life:**	20 Years	

Asset Allocation No.	**OC24-047-011**				
Asset Title:	**Disolved Oxy. Valve Limitorque. Tanks**	**Cost Center:**	Bucklin Point		
Asset Location:	Aeration tanks 1-4	**Amount:**	$ 35,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Actuators at aeration tanks.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2020		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-012**				
Asset Title:	**Grit Pump**	**Cost Center:**	Bucklin Point		
Asset Location:	Scren & Grit Building	**Amount:**	$ 30,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Removes grit from influent.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	5 Years	



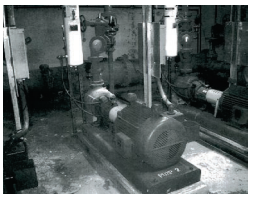
Asset Allocation No.	**OC24-047-013**				
Asset Title:	**Bobcat Equipment 0065A**	**Cost Center:**	Bucklin Point		
Asset Location:	Maintenance	**Amount:**	$ 30,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Transport personnel within the plant.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2014		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-014**				
Asset Title:	**Disinfection Control System-4 VFDs**	**Cost Center:**	Bucklin Point		
Asset Location:	Wet Weather Disinfection/Plant water Build	**Amount:**	$ 30,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Controls disinfection at wet weather.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2003		**Original estimated useful life:**	20 Years	

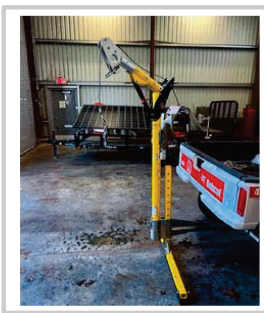
Asset Allocation No.	**OC24-047-015**				
Asset Title:	**SCADA UPS**	**Cost Center:**	Bucklin Point		
Asset Location:	SCREEN AND GRIT BLDG.	**Amount:**	$ 30,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Implementation of new technology.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2017		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-016**				
Asset Title:	**Bar Rack Screening Conveyor**	**Cost Center:**	Bucklin Point		
Asset Location:	SCREEN AND GRIT BLDG.	**Amount:**	$ 25,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Moves large solids from bar rack.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	N/A		**Original estimated useful life:**	15 Years	

Asset Allocation No.	**OC24-047-017**				
Asset Title:	**Flushing Water Pump W/Aes Seal**	**Cost Center:**	Bucklin Point		
Asset Location:	Wet Weather Disinfection/Plant water Buildi	**Amount:**	$ 25,000	**Priority Ranking:**	C
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Supplies water to site and building.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2003		**Original estimated useful life:**	15 Years	



Asset Allocation No.	**OC24-047-018**				
Asset Title:	**Confined Space Safety Equiment**	**Cost Center:**	Bucklin Point		
Asset Location:	Plant Equipment	**Amount:**	$ 25,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Assist workers in entry to or exit, and rescue from confined spaces.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2013		**Original estimated useful life:**	10 Years	



Asset Allocation No.	**OC24-047-019**				
Asset Title:	**BVI Flume Meter**	**Cost Center:**	Bucklin Point		
Asset Location:	E.P.I PARSHALL FLUME	**Amount:**	$ 25,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Flow meter, measures wastewater flow through E.P.I Parshall Flume.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2016		**Original estimated useful life:**	8 Years	

Asset Allocation No.	**OC24-047-020**				
Asset Title:	**Gravely Zero Turn Mower**	**Cost Center:**	Bucklin Point		
Asset Location:	Grounds Maintenance	**Amount:**	$ 20,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Mower to cut grass at facility.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	10 Years	
Original date in service:	2013		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-021**				
Asset Title:	**30 Yard Container**	**Cost Center:**	Bucklin Point		
Asset Location:		**Amount:**	$ 18,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection		☑ Other	
Asset Description:	Used for scrap metal, wood, etc. Fits on V353 Dump Truck.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	10 Years	
Original date in service:	2005		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-022**				
Asset Title:	**UPS Battery Backup**	**Cost Center:**	Bucklin Point		
Asset Location:	Digester Control Building Electricity Room	**Amount:**	$ 15,000	**Priority Ranking:**	A
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Backup power for Digester Control Building - Electrical Room.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2014		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-047-023**				
Asset Title:	**Equipment 104A-Flexim Flow Meter**	**Cost Center:**	Bucklin Point		
Asset Location:	Plant Equipment	**Amount:**	$ 10,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☑ Inspection		☐ Other	
Asset Description:	Measures flow of water.				
Budget Account:	16525 Building and Plant Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	7 Years	
Original date in service:	2013		**Original estimated useful life:**	10 Years	

Asset Allocation No.	**OC24-053-001**				
Asset Title:	**Robotic BOD Analyzer**	**Cost Center:**	Laboratory		
Asset Location:	WQSB first floor laboratory	**Amount:**	$132,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Tests for BOD in Field's Point, Bucklin Point and SIU industrial samples.				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2019		**Original estimated useful life:**	5 Years	

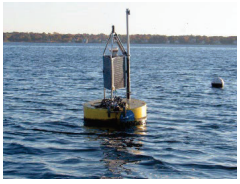
Asset Allocation No.	**OC24-053-002**				
Asset Title:	**Fresh Water Nutrient Analyzer**	**Cost Center:**	Laboratory		
Asset Location:	WQSB second floor Analytical laboratory	**Amount:**	$131,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Tests for nitrogen compounds in Field's Point, Bucklin Point and SIU industrial samples.				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2017		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-053-003**				
Asset Title:	**Oil and Grease Extractor**	**Cost Center:**	Laboratory		
Asset Location:	WQSB first floor laboratory	**Amount:**	$ 80,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection		☐ Other	
Asset Description:	Tests for oil and grease in Field's Point, Bucklin Point and SIU industrial samples.				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2017		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-053-004**				
Asset Title:	**LIMS Enhancement**	**Cost Center:**	Laboratory		
Asset Location:	Water Quality Science Building	**Amount:**	$ 33,000	**Priority Ranking:**	B
Need identified:	☐ Asset Management	☐ Inspection	☑ Other		
Asset Description:	Inventories permit samples according to regulations.				
Budget Account:	16550 Computer Equipment				
Type:	NEW	**Useful life:**	3 Years		
Original date in service:	2015	**Original estimated useful life:**	5 Years		

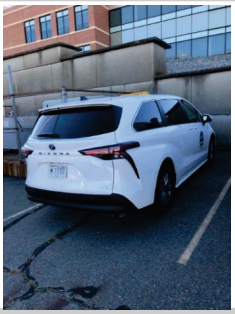
Asset Allocation No.	**OC24-053-005**				
Asset Title:	**Laboratory Refrigerators**	**Cost Center:**	Laboratory		
Asset Location:	WQSB first floor sample refrigerator area	**Amount:**	$ 27,000	**Priority Ranking:**	B
Need identified:	☑ Asset Management	☐ Inspection	☐ Other		
Asset Description:	Stores permit samples according to regulations.				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT	**Useful life:**	5 Years		
Original date in service:	2015	**Original estimated useful life:**	5 Years		

Asset Allocation No.	**OC24-055-001**				
Asset Title:	**Bullock's Reach Buoy**	**Cost Center:**	Environmental Monitoring		
Asset Location:	Upper Narragansett Bay	**Amount:**	$ 59,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection	☐ Other		
Asset Description:	Real-time water quality monitoring of NBC's receiving waters.				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT	**Useful life:**	5 Years		
Original date in service:	2005	**Original estimated useful life:**	19 Years		



Asset Allocation No.	**OC24-055-002**				
Asset Title:	**Fixed Site Sondes and Associated Equi**	**Cost Center:**	Environmental Monitoring		
Asset Location:	Upper Narragansett Bay	**Amount:**	$ 56,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection	☐ Other		
Asset Description:	Used to conduct real-time water quality monitoring of NBC's receiving waters.				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT	**Useful life:**	5 Years		
Original date in service:	2014	**Original estimated useful life:**	10 Years		

Asset Allocation No.	**OC24-055-003**				
Asset Title:	**Vehicle 349**	**Cost Center:**	Environmental Monitoring		
Asset Location:		**Amount:**	$ 45,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection	☐ Other		
Asset Description:	Used to collected samples at NBC's plans and throughout its collection system.				
Budget Account:	16515 Automotive Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2014		**Original estimated useful life:**	10 Years	

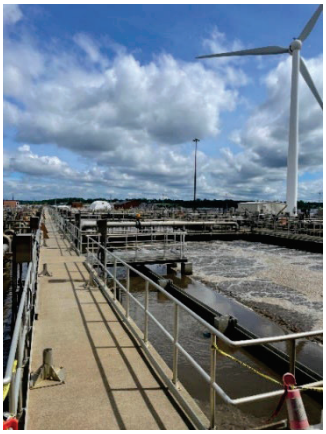


Asset Allocation No.	**OC24-055-004**				
Asset Title:	**Fixed Site Probes, Handheld Meter, &**	**Cost Center:**	Environmental Monitoring		
Asset Location:	Upper Narragansett Bay	**Amount:**	$ 32,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection	☐ Other		
Asset Description:	Used to conduct real-time water quality monitoring of NBC's receiving waters.				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	NEW		**Useful life:**	5 Years	
Original date in service:	2018		**Original estimated useful life:**	5 Years	

Asset Allocation No.	**OC24-055-005**				
Asset Title:	**Refrigerated Autosampler**	**Cost Center:**	Environmental Monitoring		
Asset Location:	FP WWTF	**Amount:**	$ 12,000	**Priority Ranking:**	A
Need identified:	☑ Asset Management	☐ Inspection	☐ Other		
Asset Description:	Used to conduct water quality monitoring of NBC's combined stormwater				
Budget Account:	16575 Lab & Sampling Equipment Replacement				
Type:	REPLACEMENT		**Useful life:**	5 Years	
Original date in service:	2004		**Original estimated useful life:**	20 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 that are 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 construction of new facilities, rehabilitation, and replacement of existing infrastructure, together with energy efficiency and sustainability projects. The CIP shows programmed expenditures for the current budget year fiscal year (FY) 2024 as well as the following five years (FY 2025-2029).



Field's Point Aeration Tank

Capital Improvement Program Overview

The CIP identifies a total of 43 projects that are either in progress, to be initiated, or to be completed during FY 2024-2029 at an estimated cost of $681.3 million. Of this total, 66% are programmed in the next two fiscal years, and 72% are for construction contracts and construction management. See the table below for the FY 2024-2029 CIP costs by category.

FY 2024-2029 CIP Costs by Category

(In Thousands)

Category	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2024 - 2029
Administrative	$ 6,271	$ 5,331	$ 3,346	$ 1,956	$ 679	$ 910	$ 18,494
Land	50	1,020	-	768	-	-	1,838
A/E Professional	22,121	20,022	9,276	5,811	4,152	1,918	63,299
Construction	180,170	181,046	89,490	29,050	4,787	8,608	493,152
Contingency	5,355	8,645	25,186	30,953	11,444	294	81,877
Other	12,856	4,984	3,448	1,248	56	71	22,663
	$ 226,823	**$ 221,048**	**$ 130,747**	**$ 69,786**	**$ 21,119**	**$ 11,801**	**$ 681,323**

Capital Improvement Program Development

NBC's comprehensive capital improvement planning process takes into consideration the project's relationship to the strategic plan, federal mandates, permit compliance, the replacement of infrastructure that is beyond its useful life, and project readiness in addition to other factors. 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 is 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

OCTOBER 2022
- Budget Forms Available

NOVEMBER 2022
- FY 2024-2029 CIP Workbooks with Cash Draws submittal by Project Managers
- Submittal review and identification of CIP operating impacts

DECEMBER 2022
- CIP Review Committee Meeting
- Completion of Project Detail Worksheets

JANUARY 2023
- Completion of CIP Analysis
- Draft CIP Narrative

FEBRUARY 2023
- Provision of long-term financial model inputs to the Municipal Advisor
- Development of capital budget financing plan

MARCH 2023
- Finance Committee and Board Review and Approval of CIP on March 7, 2023

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 in order to assess project need, scope, and feasibility prior to 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 determine the project name and number, establish a preliminary budget, and assign a funding source. The budget must be established in the project module of the Enterprise Resource Planning (ERP) system prior to the expenditure of funds on a capital project.

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 "Task" in the ERP, which may or may not be funded depending on project readiness and Board approval. Tasks include labor, architect/engineering services, contracts, police detail, legal services, land, contingency, etc.

Existing CIP Projects

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

Board authorization is required to proceed and execute architectural, engineering and design contracts greater than $20,000 and construction contracts. The authorizing resolution typically includes an allowance for

ancillary costs and the authority for the Executive Director and Chairman to execute construction/engineering contract change orders/amendments up to 5% of the contract amount. 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 Task with both the contract amount, ancillary costs, and labor. The Project Manager also submits a request for funding authorization. Finance adds the new Tasks to the initial capital project budget and assigns funding sources, enabling those costs to be chargeable to those funding sources.

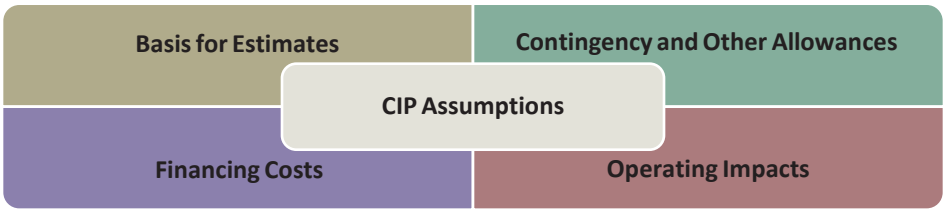
Additional capital budget amendments by Task maybe authorized during the fiscal year to reflect change orders and Finance may also modify funding sources. Please refer to the Long-Term Financial Plan section of the Budget for information regarding the financing and funding sources of the CIP.

Capital budgets are monitored by project, Task, and funding source monthly. Updated draws are requested if variances are significant. NBC also holds monthly capital project meetings to discuss 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 upon 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.



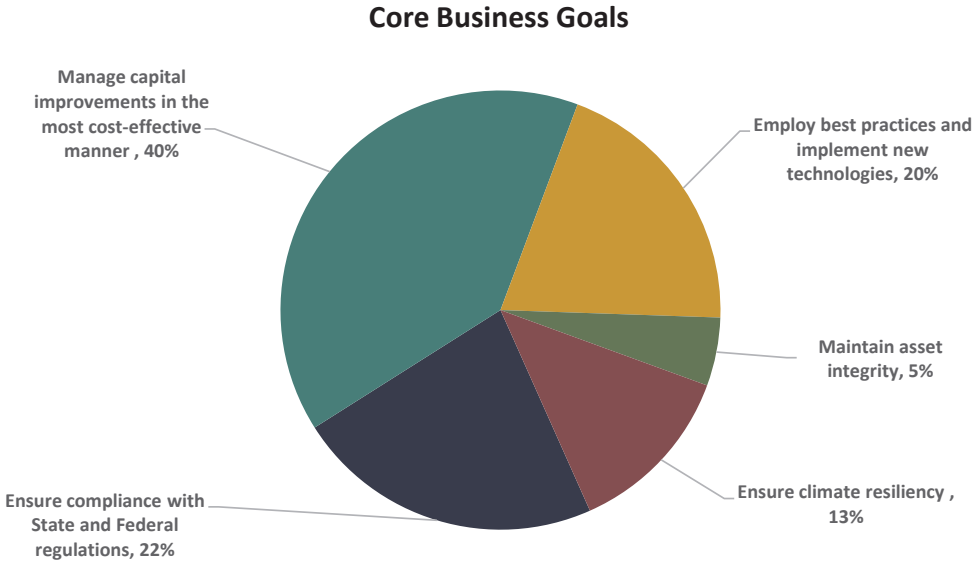
Capital Projects by Strategic Objective

NBC's Strategic Plan ensures NBC's ability to meet water quality objectives set forth by regulatory requirements, through achieving short-term and long-term objectives at a reasonable cost. Due to the magnitude of the CIP and NBC's funding constraints, NBC evaluates proposed capital improvements based on strategic value. As part of the CIP development process, NBC identifies one or more key codes of the Core Business Strategic Plan Goal that a project will address. The highest percentage, or 40%, are aligned with managing the planning, design, and construction of capital improvements in the most cost-effective manner. Approximately 22% of the projects are aligned with ensuring compliance with State and Federal regulations, permits, consent agreements, certifications as well as NBC rules and regulations, guidelines, and reporting requirements. In addition, 20% of the projects in the CIP are aligned with ensuring cost-effective operation and maintenance of NBC wastewater treatment and collection system. The remaining projects are aligned with ensuring climate resiliency of NBC's existing and future facilities at 13%; and ensuring continuous operation and the protection of assets through NBC's asset management program at 5%.

Percentage of CIP Projects Aligned to Strategic Plan Core Business Goal

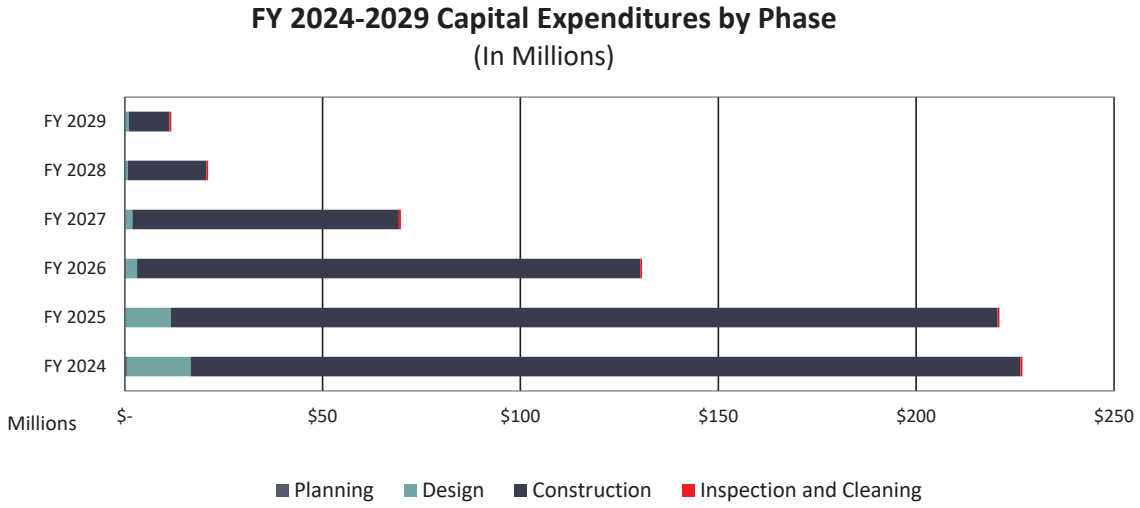
	Core Business: *Operate, maintain, and protect our collection and treatment systems to ensure that all State and Federal requirements are met or surpassed.*

Key Code	Percentage	Code Description
CB1	22%	Ensure compliance with State and Federal regulations, permits, consent agreements, certifications, NBC rules and regulations, guidelines, and reporting requirements.
CB2	40%	Manage the planning, design, and construction of capital improvements in the most cost-effective manner to ensure compliance with regulatory requirements.
CB3	20%	Ensure the cost-effective operation and maintenance of NBC wastewater treatment and collection system through best practices and the implementation of new technologies.
CB4	5%	Maintain NBC's asset management program to ensure continuous operation and the protection of assets.
CB5	13%	Ensure climate resiliency of NBC's existing and future facilities.



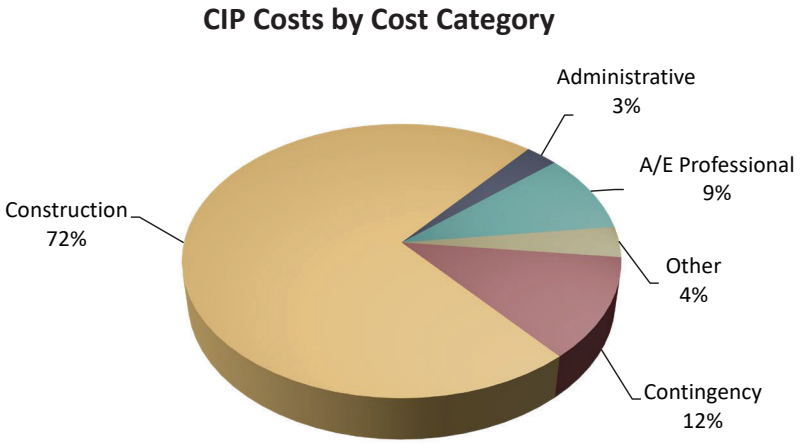
Capital Expenditures by Phase

NBC's capital projects are generally comprised of planning, design, and construction. Planning includes feasibility studies and determination of the technology to be implemented. The design phase includes the development of plans and specifications and the acquisition of land, easements and permits. During the construction phase, facility improvements and infrastructure are constructed. The CIP also includes some programmed capital projects which are not broken down into phases, such as the inspection, cleaning, and repair of NBC's interceptors, or other one-time special studies. As is evident in the chart below, the majority, or 94% of the programmed expenditures during Fiscal Years 2024 - 2029, relate to the construction phase at $643.0 million.



Capital Expenditures by Cost Category

The CIP shows project costs are shown by categories including the Administrative cost category, which includes NBC's project management costs as well as traffic control, legal services, and advertising expense. The Architectural/Engineering (A/E) Professional cost category includes professional planning or design services. The Construction cost category reflects contractor and outside construction management costs. Lastly, the Contingency cost category includes an allowance for construction cost increases based upon industry experience related to construction cost factors. As shown in the chart below, Construction costs are $493.2 million or approximately 72% of the total costs for FY 2024 - FY 2029. Contingency is $81.9 million or 12% and A/E Professional services are $63.3 million or 9% of the costs during this same period.



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)	WWTF Improvements, Sludge Digestion Facilities, and Long-Range Biosolids Disposal
Bucklin Point Resiliency Improvements	Ultraviolet (UV) Disinfection, Operations and Maintenance Buildings, WWTF Improvements, and Standby Power
Field's Point Resiliency Improvements	Ernest Street Pumping Station, Maintenance and Storage Buildings, WWTF Improvements, Solar Carport, Septage Receiving Facility Improvements, and Standby Power
Infrastructure Management	Special Studies, Energy Sustainability, Flow Monitoring, RIPDES Compliance Improvements, and PFAS
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, and 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 2023-2028	FY 2024-2029	Change	% Change
CSO Phase III Facilities	$ 577,224	$ 474,125	$ (103,099)	(18%)
Field's Point Resiliency	97,387	103,195	5,808	6%
Bucklin Point Resiliency	41,617	35,791	(5,826)	(14%)
Sewer System Improvements	22,231	22,735	504	2%
Wastewater Treatment Facility	17,895	25,606	7,711	43%
Interceptor Restoration and Construction	17,525	11,961	(5,564)	(32%)
Infrastructure Management	5,039	4,912	(127)	(3%)
Interceptor Inspection and Cleaning	3,008	3,000	(8)	(0%)
Total	**$ 781,926**	**$ 681,323**	**$ (100,603)**	**(13%)**

On a year-over-year basis, the most significant percentage change from the prior year is a 43% increase for the Wastewater Treatment Facility functional area. The increase in this functional area is a result of adding two new projects, the Data Communication Ethernet Upgrade Project (20801) at $2.8 million and the Office and Building Improvements Project (91000) at $1.9 million. The increase in Wastewater Treatment Facility functional area is also attributed to updated cost estimates. There was a $2.9 million increase for BPWWTF Sludge Digestion Facility Improvements Project (81800) and a $1.3 million increase for Long-Range Biosolids Disposal Project (20700).

The most significant percentage decrease from last year's CIP is a 32% decrease for the Interceptor Restoration and Construction functional area. The decrease in this functional area is attributable to a combination of projects in this functional area being completed, and other projects being delayed in starting. Scheduling changes for the Louisquisset Pike Interceptor Improvements Project (30421) resulted in most of the project

expenses falling outside of the CIP and reducing the total value for the Interceptor Restoration and Construction functional area.

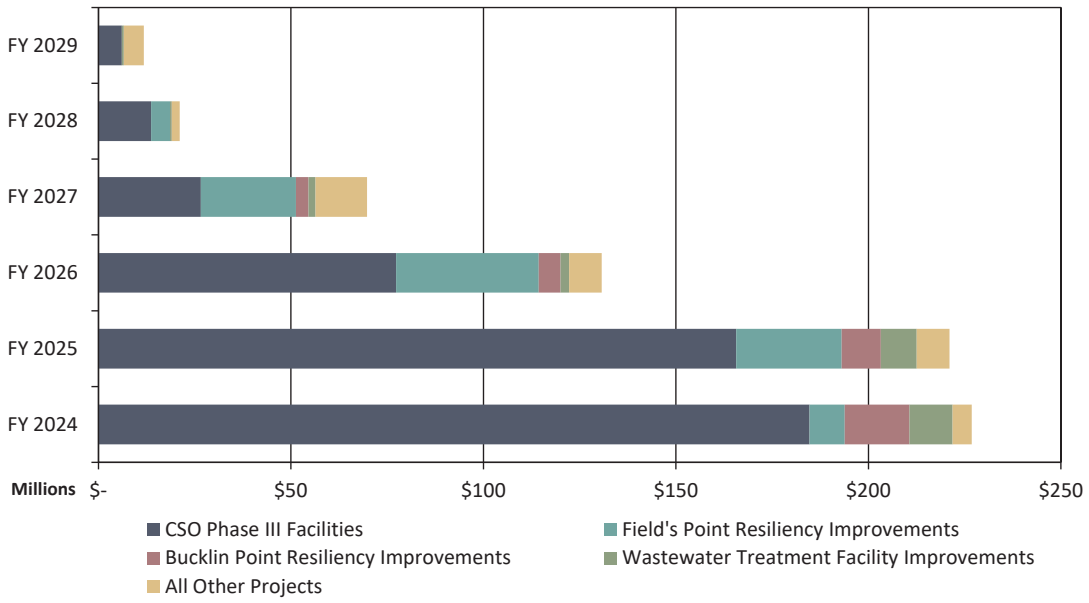
In terms of dollars, the CSO Phase III A Facilities shows the most significant change, a decrease of $103.1 million. This decrease is due to progress made on the construction of the Pawtucket Tunnel and Pump Station Project (30801) which will be 66% complete in FY 2023.

Significant Capital Improvement Projects

The most significant project included in this year's CIP is the CSO Phase III Facilities at $474.1 million or 70% of programmed costs for FY 2024 - FY 2029. This is followed by Field's Point Resiliency Improvements projects at $103.2 million or 15%, Bucklin Point Resiliency Improvements projects totaling $35.8 million or 5%, and Wastewater Treatment Facility Improvements projects at $25.6 million or 4%. The following table and graph show the programmed expenditures for the major projects included in FY 2024 - FY 2029. A discussion of the major capital projects is on the following pages.

Largest Capital Projects			
Project		**Total Costs FY 2024 - 2029**	**% of Total**
CSO Phase III Facilities	$	474,125	70%
Field's Point Resiliency Improvements		103,195	15%
Bucklin Point Resiliency Improvements		35,791	5%
Wastewater Treatment Facility Improvements		25,606	4%
All Other Projects		42,608	6%
Total	**$**	**681,323**	**100%**

FY 2024-2029 Expenditures by Major Project
(In Millions)



Comprehensive Combined Sewer Overflow (CSO) Program

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 2042. 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 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. Project costs for Phase III A and Phase III B projects are based on a combination of bids received and estimates provided by engineering design professionals for contracts that have not gone out to bid.

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) increase for this period. Beyond 2023, these projects are forecasted to increase by 3% annually to account for inflation through midpoint of design and construction.

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

CSO Tunnel Construction

CSO Phase III Program

(In Millions)

Phase	Scope	Amount *	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 facilities is also included in the cost of Phase III A.	$893.2	4/1/2013	2/28/2027
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	1/1/2029	6/31/2031
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.	$290.4	6/1/2032	12/1/2038
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	1/1/2036	12/1/2041
	Total	$ 1,389.8		

* Excludes costs incurred prior to FY 2020

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 $468.7 million during FY 2024 - FY 2029, an increase of $71.5 million or 8.7% over last year's CIP. The increase reflects the financial impact of supply chain issues, labor shortages and increases in fuel, labor, and equipment costs. In particular, the estimates for two projects not yet under construction, the Tunnel Pump Station Fit-out Project (30802) and the Outfall 210, 213, and 214 Project (30804) increased by $44.4 million and $7.6 million, respectively. In addition, the bid for the BPWWTF Clarifiers and Flow Splitters Project (30810) was $10.7 million higher than the estimate.

CSO Phase III A Pawtucket Tunnel Pump Station Site

The largest project is the Pawtucket Tunnel and Pump Station Project (30801) at an estimated cost of $498.6 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 Project is 66% complete with a completion date of March 2025.

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)

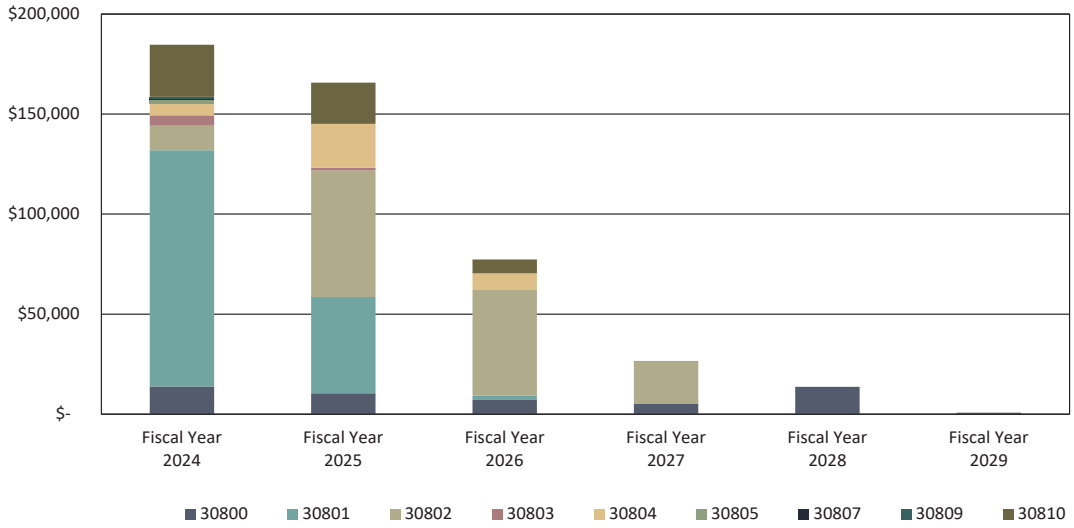
Project Number	Project Name	Estimated Cost *	Construction Start Date	Construction End Date	% Complete
30800	CSO Phase III A Facilities - Design and Construction Program Management	$ 107.9	N/A	N/A	
30801	CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station	498.6	Dec-20	Mar-25	66%
30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out	149.4	Jan-24	Feb-27	0%
30803	CSO Phase III A Facilities - OF 205	7.3	Mar-23	Dec-24	11%
30804	CSO Phase III A Facilities - OF 210, 213, 214	35.8	Jan-24	Dec-25	0%
30805	CSO Phase III A Facilities - OF 217	16.2	Dec-21	Jul-23	86%
30807	CSO Phase III A Facilities - Regulator Modifications	7.6	Apr-21	Aug-23	91%
30808	CSO Phase III A Facilities - GSI Demonstration	1.8	Sep-19	Feb-21	100%
30809	CSO Phase III A Facilities - GSI Projects	9.4	Nov-19	Apr-23	93%
30810	CSO Phase III A Facilities - BPWWTF Clarifiers and Flow Splitters	57.8	Jul-22	Oct-25	7%
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		**$ 893.2**			

*Excludes costs incurred prior to FY 2020

The following graph shows that the CSO Phase III A Facilities cost is projected to be $184.7 million in FY 2024. Costs are expected to decrease to $165.7 million in FY 2025. The estimated costs continue to decrease to $77.3 million in FY 2026, $26.6 million in FY 2027, $13.7 million in FY 2028, and $700 thousand in FY 2029.

CSO Phase III A Facilities Estimated Cost by Fiscal Year

(In Thousands)



CSO Phase III B Facilities

This year's CIP is the first year that includes programmed construction costs of 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 total project construction cost estimate is $45.5 million, with $5.4 million programmed in FY 2029.

CSO Phase III B Facilities Costs, Schedule and Percent Complete

CSO Phase III B Facilities (In Thousands)					
Project Number	Major Project	FY 2024 - 2029 CIP	Percent Complete	Construction Start	Construction End
30830	CSO Phase III B Facilities	$ 5,423	0%	Jan-29	Jun-31
Total		**$ 5,423**			

Field's Point Resiliency Improvements (FP Resiliency Improvements)

NBC has identified the seven projects shown in the following table that address resiliency concerns at Field's Point. The estimated costs for these projects over the FY 2024-2029 window are $103.2 million.

Field's Point Resiliency Improvements (In Thousands)			
Project Number	Major Project	FY 2024 - 2029 CIP	Percent Complete
20400	FPWWTF Ernest Street Pump Station Improvements	$ 36,843	3%
20500	FPWWTF Maintenance and Storage Buildings	24,733	9%
20300	FPWWTF Improvements	22,712	12%
40101	FPWWTF Electrical Improvements	9,675	0%
71000	Lincoln Septage Receiving Station Replacement	7,940	8%
20600	NBC Solar Carport	1,228	3%
20800	Cybersecurity Improvements	64	95%
Total		**$ 103,194**	

The FPWWTF Ernest Street Pump Station Improvements Project (20400), at an estimated cost of $36.8 million, includes improvements to NBC's largest pump station located adjacent to Field's Point. Improvements include replacement of large diameter valves, gates, actuators, flow meters, pumps, Variable Frequency Drive units (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

The FPWWTF Maintenance and Storage Buildings Project (20500), at an estimated cost of $24.7 million, replaces the maintenance building and the Interceptor Maintenance (IM) storage building.

The FPWWTF Improvements Project (20300) 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 VFDs for the return activated sludge pumps.

The FPWWTF Electrical Improvements Project (40101), at an estimated cost of $9.7 million, involves the evaluation and installation of standby power capabilities for critical facilities at the FPWWTF to maintain uninterrupted operation of treatment processes.

Also included as part of FP Resiliency Improvements is the Lincoln Septage Receiving Station Replacement Project (71000) which will replace the existing 30-year-old facility that is beyond its useful life. The new facility, estimated to cost $7.9 million, will operate automatically and provide preliminary treatment and testing of septage prior to discharge into the collection system.

The NBC Solar Carport Project (20600), estimated to cost $1.2 million, is for the construction of a solar carport on the Field's Point campus. This project is eligible for $206 thousand in grant funding through the Rhode Island Renewable Energy Fund (REF) Commercial-Scale Program. Lastly, the Cybersecurity Improvements Project (20800), at an estimated cost of $64 thousand, is scheduled to be completed in FY 2024. Project 20800 addresses cybersecurity risks to ensure NBC's ability to continuously operate and maintain its facilities.

Sewer System Improvements

Included in the Sewer System functional area are projects related to the collection system. The CIP includes five projects at an estimated cost of $22.7 million between FY 2024 and FY 2029.

Reservoir Avenue Pump Station

The Reservoir Avenue Pump Station Improvements Project (72000) at $8.8 million and the Omega Pump Station Improvements Project (70900) at $8.7 million are similar in scope. Both involve the replacement of equipment at the end of its useful life, implementation of new screening and grit technology, and improvements to the motor control center to enhance reliability. The NBC System-wide Regulator Modifications Project (30610) at a cost of $3.4 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 Easement Restoration Project (30500) at a cost of $1.4 million.

Sewer System Improvements are shown in the following table.

Sewer System Improvements
(In Thousands)

Project Number	Major Project	FY 2024 - 2029 CIP	Percent Complete
72000	Resevoir Avenue Pump Station Improvements	$ 8,755	0%
70900	Omega Pump Station Improvements	8,749	0%
30610	NBC System-wide Regulator Modifications	3,407	19%
30500	NBC Interceptor Easements Restoration, Various Locations	1,400	2%
12400	Interceptor Maintenance Building	425	0%
Total		**$ 22,735**	

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. The following table shows the BP Resiliency Improvements estimated costs by project. The costs in FY 2024 through FY 2029 are $35.8 million, with an additional $40.8 million in costs prior to FY 2024, for a total estimated cost of $76.6 million.

Bucklin Point Resiliency Improvements
(In Thousands)

Project Number	Major Project	FY 2024 - 2029 CIP	Percent Complete
81000	BPWWTF UV Disinfection Improvements	$ 22,722	8%
81600	BPWWTF Improvements	7,238	44%
81700	BPWWTF Operations and Maintenance Buildings	5,831	85%
Total		**$ 35,791**	

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.

New BPWWTF Operations and Maintenance Buildings

The BPWWTF Operations and Maintenance Buildings Project (81700) consists of both a new operations building and a new maintenance building to replace infrastructure that is more than 70 years old. To ensure reliable operation of critical process streams, the Supervisory Control and Data Acquisition (SCADA) computer system will be relocated to a higher elevated, environmentally controlled space. The new Operations and Maintenance Buildings will replace obsolete and space-constrained facilities and will include a repair workshop for heavy equipment, new electrical, welding and instrumentation rooms, along with offices and a briefing room for the maintenance staff. This project is being completed through a design/build process.

Wastewater Treatment Facility (WWTF) Improvements

This year's CIP includes $25.6 million for projects related to NBC's Wastewater Treatment Facilities. In particular, the Long-Range Biosolids Disposal Project (20700) at an estimated cost of $11.4 million involves the evaluation, planning and development of a long-term biosolids management solution for biosolids in anticipation of the expiration of NBC's current contract in FY 2026. The BPWWTF Sludge Digestion Facility Improvements Project (81800) at a cost of $7.9 million 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.

Field's Point Primary Sludge Pump Station

The following table shows the WWTF functional area projects and estimated costs for FY 2024-2029.

WWTF Improvements
(In Thousands)

Project Number	Major Project	FY 2024 - 2029 CIP	Percent Complete
20700	Long-Range Biosolids Disposal	$ 11,424	3%
81800	BPWWTF Sludge Digestion Facility Improvements	7,943	13%
20801	Data Communications Ethernet Upgrade	2,814	17%
91000	Office and Building Improvements	1,870	2%
20000	WWTF Improvements	1,000	0%
24000	NBC Facility Electrical Improvements	555	3%
Total		**$ 25,606**	

A new project this year, the Data Communications Ethernet Upgrade Project (20801) at a cost of $2.8 million will integrate various new hardware, software, and other ancillary support services to implement an Ethernet based hybrid data control system to ensure system viability.

The Office and Building Improvements Project (91000), at an estimated cost of $1.9 million, includes office renovations and reconfigurations to address office space constraints and other improvements to accommodate organizational changes. This project also includes the replacement of two roof-top air conditioning units and the Primary Sludge Pump Station roof.

Infrastructure Management

The Infrastructure Management functional area includes several smaller studies and projects. The largest of which is the NBC System-wide Inflow Reduction Project (40200) at an estimated cost of $1.6 million. This project involves the development and implementation of an inflow reduction program to remove stormwater from sanitary sewers in NBC's service area. The RIPDES Flow Monitoring System Implementation Project (40550), at a projected cost of $1.1 million, involves the replacement of existing flow monitoring equipment located throughout NBC's collection system in order to accurately measure flows and monitor flow conditions in accordance with NBC's RIPDES permit. The NBC System-wide Facilities Planning Project (30700), at $1.1 million, involves the evaluation of system capacity and infiltration/inflow into NBC's interceptors.

Infrastructure Management
(In Thousands)

Project Number	Major Project	FY 2024 - 2029 CIP	Percent Complete
40200	NBC System-wide Inflow Reduction	$ 1,580	0%
40550	RIPDES Flow Monitoring System Implementation	1,103	33%
30700	NBC System-wide Facilities Planning	1,055	0%
40300	Municipal Lateral Sewer Acquisition Impact	610	0%
1140600	RIPDES Compliance Improvements - PFAS	401	64%
1140900	Water Quality Model Validation and Enhancement	163	0%
Total		**$ 4,912**	

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 RIPDES Compliance Improvements - PFAS Project (1140600) includes wastewater treatment and collection system analysis that may be required to comply with new permit limits and mandates such as the evaluation and study of Pre- and Polyfluoroalkyl Substances (PFAS). The cost for these projects is $4.9 million.

Interceptor Cleaning, Restoration and Construction

The CIP includes several collection system infrastructure projects which total $15 million. The largest project in this functional area is for the Woonasquatucket CSO OF 046 Improvements Project (30315) at an estimated cost of $3.8 million. This project 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 Project (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 $7.8 million. The cost for these projects is $15 million.

Interceptor Cleaning, Restoration and Construction
(In Thousands)

Project Number	Major Project	FY 2024 - 2029 CIP	Percent Complete
30400C	Interceptor Restoration and Construction	$ 5,263	0%
30315	Woonasquatucket CSO OF 046 Improvements	3,838	4%
30421	Louisquisset Pike Interceptor Improvements	2,768	0%
30400M	Interceptor Inspection and Cleaning	2,528	0%
30481M	Completion of Baseline Siphon Inspections and Cleanings	472	0%
30468	Improvements to Interceptors FY 2022	92	95%
Total		**$ 14,961**	

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 2023, NBC completed three capital projects at a cost of $6.8 million as shown in the following table.

Completed Projects
(In Thousands)

Project Number	Project Name		Cost
20200	2019 WWTF Improvements	$	5,840
30480M	Baseline Siphon Inspections and Cleanings		506
40400	FPWWTF Plan Update		406
	Total	**$**	**6,752**

The largest project completed last year was the 2019 WWTF Improvements Project (20200). This project included improvements and upgrades to the Field's Point WWTF and the Ernest Street Pump Station including the rehabilitation of various isolation gates and actuators, air handling units, biological removal system switchgear, and fire alarm systems. Other improvements included modifications to the aeration tanks, screw lift pumping station/blower building and other locations. This project also addressed enhancements to the CSO tunnel odor control facility at the upper end of tunnel receiving shaft.

Project 30480M, Baseline Siphon Inspections and Cleanings, completed baseline cleaning and inspection services of inverted NBC siphons at a cost of $0.5 million.

Also completed in FY 2023 was the FPWWTF Facilities Plan Update Project (40400) to determine maximum nitrogen and biochemical oxygen demand loads and identify other operational considerations that may be required to meet RIPDES permit limits.

New Projects

This year's CIP includes three new capital projects totaling $14.0 million. The new projects and their estimated costs are summarized in the following table. Please refer to the discussion of the capital projects by functional area of this document for information regarding the need for these projects along with their descriptions.

New Projects
(In Thousands)

Project Number	Project Name		Total Estimated Cost
72000	Reservoir Ave Pump Station Improvements	$	8,755
20801	Data Communications Ethernet Upgrade		3,384
91000	Office & Building Upgrades		1,900
	Estimated Total	**$**	**14,039**

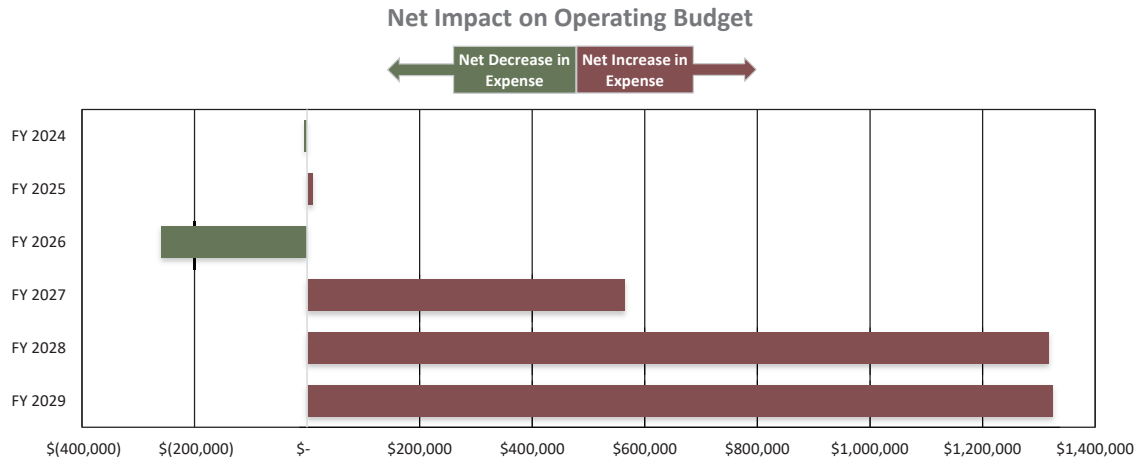
Impact of Capital Investments on Operating Budget

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 Financial section of the budget. The following pages include an expanded analysis and presentation of other operating impacts in the CIP. The projects specific information is included in the following discussion and summarized on the individual project sheets. Certain capital improvements will directly impact 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. Please refer to the Long-Term Financial Plan section of NBC's Annual Budget for debt service and rate impacts associated with financing the CIP.

Impact	Description	Refection in Tables
Reduced Expense	A reduction in operating expense resulting from no longer operating facilities, reduced 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 the sale of Renewable Energy Credits	Shown as an increase in Operating Revenue or Non-Operating Revenue

FY 2024-2029 Revenue and Expense Impacts

In FY 2029, the estimated impact as a result of these projects is increased annual revenue of $5,101, expense reduction of $818,698 and an increase in expense of $2,147,202. The overall operating budget impact in FY 2029 results in an increased funding requirement of $1,323,403. The following chart shows the projected impact of completed CIP projects on the annual operating budget. Projected increased revenue and reduced expense exceed increased expenses in FY 2024 and FY 2026. FY 2025 reflects an increase in net expenses as a result of the operating costs associated with operating costs for the new facilities that will be completed in FY 2025. The impact to the operating budget becomes increasingly significant beginning in FY 2027 as a result of the CSO Phase III A Facilities projects being complete. Projects with revenue, savings or expense impacts are discussed in the following section.



The following table summarizes the projected impact of new capital projects scheduled to become operational in FY 2024-2029. Projects that involve inspection, studies, cleaning, and rehabilitation generally do not have operating cost impacts and are excluded from this list.

Projected Annual Operating Budget Impacts

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Projected Annual Operating Revenue Impact						
Increased Revenue						
20600 NBC Solar Carport	$ 425	$ 5,101	$ 5,101	$ 5,101	$ 5,101	$ 5,101
Net Increase (Decrease) in Revenue	**$ 425**	**$ 5,101**	**$ 5,101**	**$ 5,101**	**$ 5,101**	**$ 5,101**
Projected Annual Operating Expense Impact						
Reduced Expense						
20300 FPWWTF Improvements	$ -	$ -	$ -	$ -	$ (75,000)	$ (75,000)
20600 NBC Solar Carport	(4,628)	(55,531)	(55,531)	(55,531)	(55,531)	(55,531)
71000 Lincoln Septage Section	-	-	(8,333)	(20,000)	(20,000)	(20,000)
81000 BPWWTF UV Disinfection Improvements	-	-	(298,498)	(447,747)	(447,747)	(447,747)
81800 BPWWTF Sludge Digestion Facility Improvements	-	-	-	(183,684)	(220,420)	(220,420)
Reduced Expense	**$ (4,628)**	**$ (55,531)**	**$ (362,362)**	**$ (706,962)**	**$ (818,698)**	**$ (818,698)**
Increased Expense						
20500 FPWWTF Maintenance and Storage Buildings	$ -	$ -	$ 17,679	$ 70,715	$ 70,715	$ 70,715
20600 NBC Solar Carport	249	2,990	2,990	2,990	2,990	2,990
30802 CSO Phase III A Facilities	-	-	-	1,103,635	1,965,591	1,965,591
40101 FPWWTF Electrical Improvements	-	-	-	-	555	3,330
81000 BPWWTF UV Disinfection Improvements	-	-	20,354	30,531	30,531	30,531
81600 BPWWTF Improvements	-	-	-	833	3,330	3,330
81700 BPWWTF Operations and Maintenance Buildings	-	70,715	70,715	70,715	70,715	70,715
Increased Expense	**$ 249**	**$ 73,705**	**$ 111,738**	**$ 1,279,420**	**$ 2,144,427**	**$ 2,147,202**
Net (Decrease) Increase in Expense	**$ (4,378)**	**$ 18,174**	**$ (250,624)**	**$ 572,458**	**$ 1,325,729**	**$ 1,328,504**
Net Impact on Operating Budget	**$ (4,803)**	**$ 13,074**	**$ (255,725)**	**$ 567,357**	**$ 1,320,628**	**$ 1,323,403**

NBC Solar Carport

The NBC Solar Carport Project (20600) involves the construction of a solar carport on the Field's Point campus. It is estimated the solar carport will produce approximately 218,282 kWh of electricity annually resulting in approximately $55,531 in electricity savings and revenue of $5,101 from the sale of Renewable Energy Credits. Annual maintenance costs are estimated to be $2,990. Completion of this project is scheduled for FY 2024.

NBC Solar Carport			
	Reduced Expense	Increased Expense	Increased Revenue
RECs Solar	$ -	$ -	$ 5,101
Electricity	55,531	-	-
Maintenance	-	2,990	-
Total	**$ 55,531**	**$ 2,990**	**$ 5,101**

BPWWTF UV Disinfection Improvements

The BPWWTF UV Disinfection Improvements Project (81000) involves replacement of the UV disinfection system with more efficient technology and the construction of a new building to contain the system. The new technology is estimated to use 1.7 million kWh less per year and require less maintenance, resulting in combined savings of $447,747 annually. The increased expense associated with the new building is $30,531 annually for utilities and maintenance costs. Completion of this project is scheduled for FY 2026.

BPWWTF UV Disinfection Improvements					
	Reduced Expense		Increased Expense	Increased Revenue	
Electricity	$	432,747	$ 8,650	$	-
Natural Gas		-	12,281		-
Maintenance		15,000	9,600		-
Total	**$**	**447,747**	**$ 30,531**	**$**	**-**

Interceptor Maintenance Building

The Interceptor Maintenance Building Project (12400) is scheduled for completion in FY 2034. This project includes the construction of a new building that will be necessary if NBC is required by legislation to assume ownership of lateral sewers currently owned by local municipalities within the service area. The new building includes an administrative area, garage area and storage yard. The increased expense associated with the new building is approximately $138,889 annually for utilities and maintenance costs. All project startup costs, such as staff and equipment relocation, are included in the project cost.

Interceptor Maintenance Building					
	Reduced Expense		Increased Expense	Increased Revenue	
Electricity	$	-	$ 43,866	$	-
Natural Gas		-	49,898		-
Water		-	13,088		-
Maintenance		-	32,036		-
Total	**$**	**-**	**$ 138,889**	**$**	**-**

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 2026 and are estimated to result in an increased expense of $70,715 for utilities.

FPWWTF Maintenance & Storage Buildings					
	Reduced Expense		Increased Expense	Increased Revenue	
Electricity	$	-	$ 31,333	$	-
Natural Gas		-	35,641		-
Water		-	3,742		-
Total	**$**	**-**	**$ 70,715**	**$**	**-**

BPWWTF Operations and Maintenance Buildings

The BPWWTF Operations and Maintenance Buildings Project (81700) involves the construction of both a new operations building, and a maintenance building at Bucklin Point. The operations building contains additional office space, training and locker rooms, and a new SCADA Control Room. The maintenance building includes a workshop, electrical, welding and instrumentation rooms along with offices and storage space. This new building will improve the efficiency of the plant maintenance services and ensure reliable operation and performance of critical infrastructure systems. The increased expense associated with the new building is approximately $70,715 annually for utilities and maintenance costs. All project startup costs, such as staff and equipment relocation are included in the project cost.

BPWWTF Operations & Maintenance Buildings			
	Reduced Expense	Increased Expense	Increased Revenue
Electricity	$ -	$ 31,333	$ -
Natural Gas	-	35,641	-
Water	-	3,742	-
Total	**$ -**	**$ 70,715**	**$ -**

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 $3,300 annually for maintenance of the new generator.

BPWWTF Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Maintenance	$ -	$ 3,330	$ -
Total	**$ -**	**$ 3,330**	**$ -**

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 $3,300 annually for maintenance of the new generator.

FPWWTF Electrical Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Maintenance	$ -	$ 3,330	$ -
Total	**$ -**	**$ 3,330**	**$ -**

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 required to address methane gas leakage concerns. This project is projected to reduce the amount of natural gas required to heat the digesters and run the cogeneration facilities, resulting in reduced expenses of $220,420 per year.

BPWWTF Sludge Digestion Facility Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Natural Gas	$ 220,420	$ -	$ -
Total	**$ 220,420**	**$ -**	**$ -**

CSO Phase III A Facilities

CSO Phase III A operating impacts are estimated to commence in FY 2027. An increased expense of $2.0 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 are included in this project phase.

CSO Phase III A Facilities			
	Reduced Expense	Increased Expense	Increased Revenue
Electricity	$ -	$ 1,450,080	$ -
Natural Gas	-	62,783	-
Screening & Grit	-	123,004	-
Biosolids	-	269,688	-
Water	-	1,292	-
Chemicals	-	19,712	-
Maintenance	-	29,033	-
Personnel	-	10,000	-
Total	**$ -**	**$ 1,965,591**	**$ -**

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 $75,000 per year.

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

Lincoln Septage Station

The Lincoln Septage Station Improvements 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.

Lincoln Septage Station Improvements			
	Reduced Expense	Increased Expense	Increased Revenue
Personnel	$ 20,000	$ -	$ -
Total	**$ 20,000**	**$ -**	**$ -**

Incentives and Reimbursements

It is anticipated that NBC will receive approximately $3.7 million in energy efficiency incentives. For completion of the BPWWTF Sludge Digestion Facility Improvements, the Department of Energy will award a $2.9 million grant. The BPWWTF UV Disinfection Improvements Project is expected to be eligible for a rebate from Rhode Island Energy for $389,358. A $206,600 grant will be received from the Rhode Island Renewable Energy Fund for the Solar Carport Project. Completion of BPWWTF Biogas Reuse Project will result in a $200,000 grant from the Department of Energy. Incentive and reimbursement funds will be deposited into the Grants and Projects Reimbursement Account in the Project Fund to be used for capital improvements. The potential incentives and reimbursements are outlined in the following table.

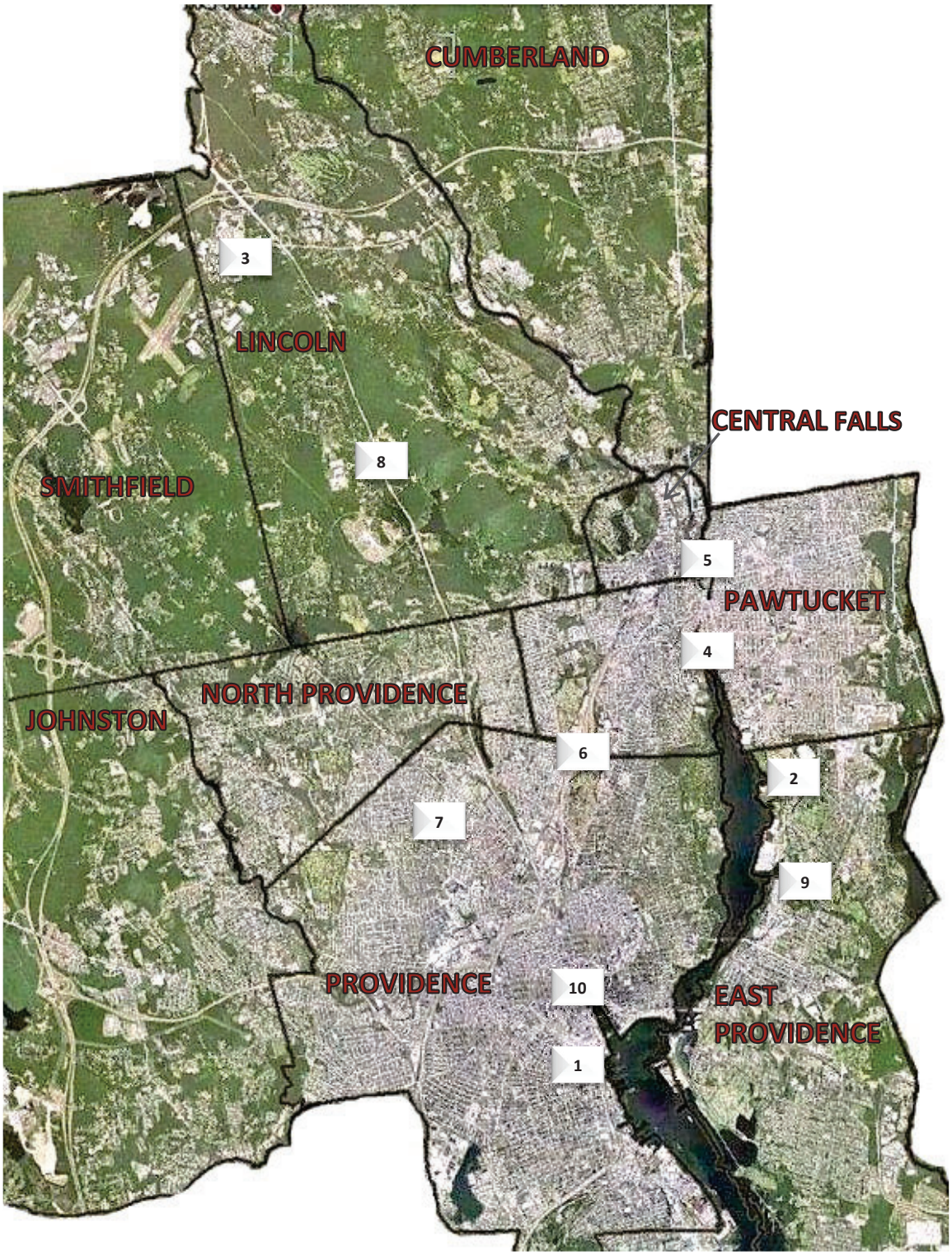
Capital Investment Incentives				
Contract	Project	Source	FY of Award	Amount
81800C	BPWWTF Sludge Digestion Facility Improvements	US Department of Energy - Grant	FY 2027	$ 2,900,000
81000C	BPWWTF UV Disinfection Improvements	Rhode Island Energy - Rebate	FY 2027	389,358
20600C	NBC Solar Carport	RI Renewable Energy Fund (REF) - Grant	FY 2024	206,600
12000C	BPWWTF Biogas Reuse	Regional Greenhouse Gas Initiative - Grant	FY 2027	200,000
				$ 3,695,958

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 Biosolids Disposal
1	20801	Data Communications Ethernet Upgrade
1, 2	24000	NBC Facility Electrical Improvements
2	81800	BPWWTF Sludge Digestion Facility Improvements
1	91000	Office and Building Improvements
Bucklin Point Resiliency		
2	81000	BPWWTF UV Disinfection Improvements
2	81600	BPWWTF Improvements
2	81700	BPWWTF Operations and Maintenance Buildings
Field's Point Resiliency		
1	20300	FPWWTF Improvements
1	20400	FPWWTF Ernest Street Pump Station Improvements
1	20500	FPWWTF Maintenance and Storage Buildings
1	20600	NBC Solar Carport
SW	20800	Cybersecurity Improvements
1	40101	FPWWTF Electrical Improvements
3	71000	Lincoln Septage Receiving Station Replacement
Infrastructure Management		
SW	1140600	RIPDES Compliance Improvements - PFAS
SW	1140900	Water Quality Model Validation and Enhancement
SW	30700	NBC System-wide Facilities Planning
SW	40200	NBC System-wide Inflow Reduction
1	40300	Municipal Lateral Sewer Acquisition Impact
SW	40550	RIPDES Flow Monitoring System Implementation
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
4	30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out
4	30803	CSO Phase III A Facilities - OF 205
4	30804	CSO Phase III A Facilities - OF 210, 213, 214
4	30805	CSO Phase III A Facilities - OF 217
4	30807	CSO Phase III A Facilities - Regulator Modifications
4	30809	CSO Phase III A - GSI Projects
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
Interceptor Cleaning and Restoration		
SW	30400M	CSO Interceptor Inspection and Cleaning Projects
SW	30481M	Completion of Baseline Siphon Inspections and Cleanings
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 FY 2022

Capital Improvement Program Project Locations



Capital Project Summary by Fiscal Year

(In Thousands)

Project Number	Project Name	Project Priority	Pre-Fiscal Year 2024	Fiscal Year 2024	Fiscal Years 2024 - 2029	Post-Fiscal Year 2029	Total Estimated Project Cost
Wastewater Treatment Facility Improvements							
20000	WWTF Improvements	B	$ -	$ -	$ 1,000	$ 500	$ 1,500
20700	Long-Range Biosolids Disposal	A	368	5,241	11,424	-	11,793
20801	Data Communications Ethernet Upgrade	A	570	1,960	2,814	-	3,384
24000	NBC Facility Electrical Improvements	B	14	540	555	-	569
81800	BPWWTF Sludge Digestion Facility Improvements	A	1,157	1,820	7,943	-	9,100
91000	Office and Building Improvements	A	30	1,635	1,870	-	1,900
	Subtotal		2,140	11,195	25,606	500	28,245
Bucklin Point Resiliency Improvements							
81000	BPWWTF UV Disinfection Improvements	A	2,035	10,591	22,722	-	24,757
81600	BPWWTF Improvements	A	5,784	532	7,238	-	13,022
81700	BPWWTF Operations and Maintenance Buildings	A	32,991	5,656	5,831	-	38,822
	Subtotal		40,811	16,779	35,791	-	76,601
Field's Point Resiliency Improvements							
20300	FPWWTF Improvements	A	2,994	1,684	22,712	-	25,706
20400	FPWWTF Ernest Street Pump Station Improvements	A	1,172	4,078	36,843	-	38,015
20500	FPWWTF Maintenance and Storage Buildings	A	2,546	813	24,733	-	27,279
20600	NBC Solar Carport	A	43	1,228	1,228	-	1,270
20800	Cybersecurity Improvements	A	1,247	64	64	-	1,311
40101	FPWWTF Facility Electrical Improvements	A	9	551	9,675	-	9,684
71000	Lincoln Septage Receiving Station Replacement	A	696	742	7,940	-	8,636
	Subtotal		8,706	9,159	103,195	-	111,900
Infrastructure Management							
1140600	RIPDES Compliance Improvements - PFAS	C	714	401	401	-	1,115
1140900	Water Quality Model Validation and Enhancement	C	-	46	163	-	163
30700	NBC System-wide Facilities Planning	D	-	56	1,055	-	1,055
40200	NBC System-wide Inflow Reduction	D	-	240	1,580	-	1,580
40300	Municipal Lateral Sewer Acquisition Impact	D	-	-	610	-	610
40550	RIPDES Flow Monitoring System Implementation	A	547	1,103	1,103	-	1,650
	Subtotal		1,261	1,845	4,912	-	6,173
CSO Phase III Facilities							
30800	CSO Phase III A Facilities - Design and Construction Program Managemen	A	56,908	13,804	51,026	-	107,934
30801	CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station	A	330,236	118,087	168,389	-	498,625
30802	CSO Phase III A Facilities - Tunnel Pump Station Fit-out	A	27	12,310	149,419	-	149,446
30803	CSO Phase III A Facilities - OF 205	A	777	5,213	6,528	-	7,306
30804	CSO Phase III A Facilities - OF 210, 213, 214	A	-	5,551	35,796	-	35,796
30805	CSO Phase III A Facilities - OF 217	A	13,963	2,264	2,264	-	16,226
30807	CSO Phase III A Facilities - Regulator Modifications	A	6,896	713	713	-	7,609
30809	CSO Phase III A - GSI Projects	A	8,775	656	656	-	9,430
30810	CSO Phase III A Facilities - BPWWTF Clarifiers and Flow Splitters	A	3,849	26,105	53,912	-	57,761
	CSO Phase III A Facilities Subtotal		421,431	184,702	468,701	-	890,133
30830	CSO Phase III B Facilities	A	-	-	5,423	40,082	45,505
30850	CSO Phase III C Facilities	A	-	-	-	290,393	290,393
30870	CSO Phase III D Facilities	A	-	-	-	160,674	160,674
	CSO Phase III B, C and D Facilities Subtotal		-	-	5,423	491,148	496,571
	Subtotal		421,431	184,702	474,125	491,148	1,386,704
Sewer System Improvements							
12400	Interceptor Maintenance Building	C	-	-	425	17,616	18,040
30500	NBC Interceptor Easements Restoration, Various Locations	B	28	434	1,400	-	1,428
30610	NBC System-wide Regulator Modifications	A	803	676	3,407	-	4,209
70900	Omega Pump Station Improvements	B	10	535	8,749	-	8,758
72000	Reservoir Avenue Pump Station Improvements	B	-	37	8,755	-	8,755
	Subtotal		840	1,681	22,735	17,616	41,191
Interceptor Cleaning and Restoration							
30400M	CSO Interceptor Inspection and Cleaning Projects	B	-	28	2,528	500	3,028
30481M	Completion of Baseline Siphon Inspections and Cleanings	C	-	472	472	-	472
	Subtotal		-	500	3,000	500	3,500
Interceptor Restoration and Construction							
30400C	Interceptor Restoration and Construction	B	-	218	5,263	1,500	6,763
30315	Woonasquatucket CSO OF 046 Improvements	B	142	651	3,838	-	3,981
30421	Louisquisset Pike Interceptor Improvements	D	-	-	2,768	3,693	6,461
30468	Improvements to Interceptors FY 2022	B	1,940	92	92	-	2,032
	Subtotal		2,083	961	11,961	5,193	19,236
	Total		**$ 477,271**	**$ 226,823**	**$ 681,323**	**$ 514,957**	**$ 1,673,551**

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.

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20000
WWTF Improvements

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

Location: Field's Point and Bucklin Point WWTF's
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	March-18	Ongoing	Ongoing	$1,500
Total Project	**March-18**	**Ongoing**	**Ongoing**	**$1,500**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	$ -	$ -	$ -	$ -	$ 500	$ 500	$ 500	$ 1,500

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ 64	$ 64	$ 64	$ 191
A/E Professional	-	-	-	-	-	284	284	284	852
Construction	-	-	-	-	-	79	79	79	238
Contingency	-	-	-	-	-	58	58	58	175
Other	-	-	-	-	-	15	15	15	44
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 500**	**$ 500**	**$ 500**	**$ 1,500**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

20700

Long-Range Biosolids Disposal

Project Manager: David Bowen, P.E.
Contractor(s): TBD
Location: Field's Point and Bucklin Point WWTFs
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	March-25	45 Months	$11,793
Construction	N/A	N/A	N/A	N/A
Total Project	**July-21**	**March-25**	**45 Months**	**$11,793**

Photo: Sludge Dewatering and Handling Facility

This project involves the evaluation, planning and development of a reliable long-term solution for the disposal of biosolids at the NBC's Field's Point and Bucklin Point WWTFs. This involves exploring the requirements and relative benefits of various alternatives and management practices. The study will evaluate the relative benefits of continuing with similar disposal practices on a long-term basis, as well as more capital-intensive options such as constructing new biosolids processing facilities.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 368	**$ 5,241**	**$ 6,183**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 11,793**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 118	$ 241	$ 173	$ -	$ -	$ -	$ -	$ -	$ 532
Land	-	-	1,000	-	-	-	-	-	1,000
A/E Professional	200	5,000	5,000	-	-	-	-	-	10,201
Other	50	-	10	-	-	-	-	-	60
Total	**$ 368**	**$ 5,241**	**$ 6,183**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 11,793**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

20801

Data Communications Ethernet Upgrade

Project Manager: David Bowen, P.E. Location: WWTF
Contractor(s): TBD 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	December-22	September-23	9 Months	$365
Construction	April-22	December-24	33 Months	3,019
Total Project	**April-22**	**December-24**	**33 Months**	**$3,384**

Photo: Ethernet Integrated Communication Network

The Field's Point WWTF uses multiple treatment technologies and complex process systems which are monitored and controlled by a computerized control system. There are reliability and performance challenges with the current control system's data communication network due to mixed model communication units and system components. This project involves implementation of an Ethernet based hybrid data control system upgrade. The project will integrate new hardware, software and other ancillary support services to upgrade the existing control system through use of Ethernet distributed control systems loop improvements.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 570	**$ 1,960**	**$ 855**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,384**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 37	$ 15	$ -	$ -	$ -	$ -	$ -	$ -	$ 52
Land	-	-	-	-	-	-	-	-	-
A/E Professional	145	105	-	-	-	-	-	-	250
Other	63	-	-	-	-	-	-	-	63
Total	**$ 245**	**$ 120**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 365**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 47	$ 55	$ 30	$ -	$ -	$ -	$ -	$ -	$ 131
A/E Professional	-	120	47	-	-	-	-	-	167
Construction	278	1,650	425	-	-	-	-	-	2,353
Contingency	-	-	338	-	-	-	-	-	338
Other	-	15	15	-	-	-	-	-	30
Total	**$ 325**	**$ 1,840**	**$ 855**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,019**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

24000
NBC Facility Electrical Improvements

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

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	November-21	August-24	34 Months	$569
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	N/A
Total Project	**November-21**	**August-24**	**34 Months**	**$569**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 14	**$ 540**	**$ 15**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 569**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 14	$ 84	$ 10	$ -	$ -	$ -	$ -	$ -	$ 107
A/E Professional	-	276	5	-	-	-	-	-	281
Other	-	181	-	-	-	-	-	-	181
Total	**$ 14**	**$ 540**	**$ 15**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 569**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative				$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-		-	-	-	-	-	-
A/E Professional				-	-	-	-	-	-
Other		-		-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

81800

BPWWTF Sludge Digestion Facility Improvements

Project Manager: David Bowen, P.E.
Location: Bucklin Point WWTF
Contractor(s): TBD
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	August-24	30 Months	$1,098
Construction	April-23	September-26	41 Months	8,002
Total Project	**February-22**	**September-26**	**55 Months**	**$9,100**

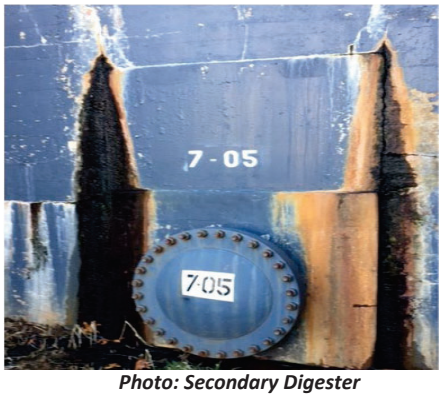

Photo: Secondary Digester

This project involves miscellaneous improvements and upgrades to the treatment plant's digester complex to address aging infrastructure concerns. These improvements include the 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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 1,157	**$ 1,820**	**$ 2,025**	**$ 2,229**	**$ 1,869**	**$ -**	**$ -**	**$ -**	**$ 9,100**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 114	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 114
Land	-	-	-	-	-	-	-	-	-
A/E Professional	777	-	-	-	-	-	-	-	777
Other	207	-	-	-	-	-	-	-	207
Total	**$ 1,098**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,098**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 40	$ 165	$ 180	$ 180	$ 45	$ -	$ -	$ -	$ 609
A/E Professional	20	86	78	83	26	-	-	-	293
Construction	-	1,288	1,495	1,495	223	-	-	-	4,500
Contingency	-	-	-	198	1,575	-	-	-	1,773
Other	-	282	272	272	-	-	-	-	827
Total	**$ 60**	**$ 1,820**	**$ 2,025**	**$ 2,229**	**$ 1,869**	**$ -**	**$ -**	**$ -**	**$ 8,002**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	183,684	220,420	220,420
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ 183,684**	**$ 220,420**	**$ 220,420**

91000
Office and Building Improvements

Project Manager: Location: COB
Contractor(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	February-22	August-24	30 Months	N/A
Construction	April-23	September-26	41 Months	$1,900
Total Project	**February-22**	**September-26**	**55 Months**	**$1,900**

Photo: Carrier Rooftop Air Conditioner

This project includes office renovations and reconfigurations to accommodate organizational changes and enhance productivity. This project also includes the replacement of two roof-top air conditioning units and the roof of the Field's Point Primary Sludge Pumping Station.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 30	**$ 1,635**	**$ 235**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,900**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional		-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 5	$ 60	$ 15			$ -	$ -	$ -	$ 80
A/E Professional	25	75	-			-	-	-	100
Construction	-	1,500	220			-	-	-	1,720
Contingency	-	-	-			-	-	-	-
Other	-	-	-		-	-	-	-	-
Total	**$ 30**	**$ 1,635**	**$ 235**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,900**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-			
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

81000

BPWWTF UV Disinfection Improvements

Project Manager: David Bowen, P.E.
Location: Bucklin Point WWTF (East Providence, RI)
Contractor(s): TBD
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	March-22	October-25	43 Months	$24,757
Total Project	**April-17**	**October-25**	**102 Months**	**$24,757**

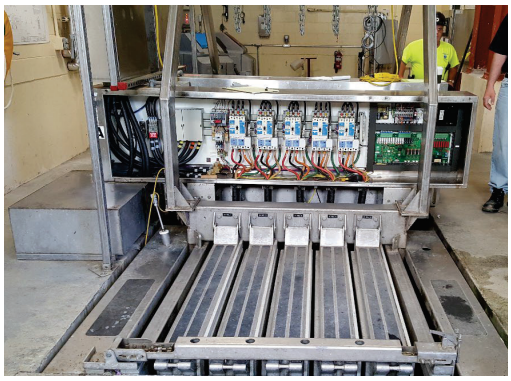

Photo: Bucklin Point UV Disinfection System

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

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 2,035	**$ 10,591**	**$ 8,968**	**$ 3,052**	**$ 111**	**$ -**	**$ -**	**$ -**	**$ 24,757**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 349	$ 111	$ 120	$ 35	$ 5	$ -	$ -	$ -	$ 620
A/E Professional	140	240	263	45	-	-	-	-	688
Construction	1,547	10,200	8,550	847	106	-	-	-	21,250
Contingency	-	-	-	2,125	-	-	-	-	2,125
Other	-	40	35	-	-	-	-	-	75
Total	**$ 2,035**	**$ 10,591**	**$ 8,968**	**$ 3,052**	**$ 111**	**$ -**	**$ -**	**$ -**	**$ 24,757**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	298,498	447,747	447,747	447,747
Increased Expense	-	-	20,354	30,531	30,531	30,531
Net Impact on Operating Budget	**$ -**	**$ -**	**$ 278,144**	**$ 417,216**	**$ 417,216**	**$ 417,216**

81600
BPWWTF Improvements

Project Manager: David Bowen, P.E. Location: BPWWTF
Contractor(s): Biszko Building Systems, Inc. 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	June-24	60 Months	$1,210
Construction	October-19	April-27	90 Months	11,812
Total Project	**June-19**	**April-27**	**94 Months**	**$13,022**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 5,784	**$ 532**	**$ 1,016**	**$ 2,569**	**$ 3,121**	**$ -**	**$ -**	**$ -**	**$ 13,022**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 127	$ 77	$ 9	$ -	$ -	$ -	$ -	$ -	$ 212
Land	-	-	-	-	-	-	-	-	-
A/E Professional	520	379	-	-	-	-	-	-	899
Other	22	77	-	-	-	-	-	-	99
Total	**$ 669**	**$ 532**	**$ 9**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,210**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 28	$ -	$ 134	$ 180	$ 145	$ -	$ -	$ -	$ 486
A/E Professional	-	-	112	63	128	-	-	-	302
Construction	5,068	-	706	2,265	1,340	-	-	-	9,378
Contingency	-	-	-	45	1,509	-	-	-	1,554
Other	19	-	57	16	-	-	-	-	93
Total	**$ 5,115**	**$ -**	**$ 1,008**	**$ 2,569**	**$ 3,121**	**$ -**	**$ -**	**$ -**	**$ 11,812**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	833	3,330	3,330
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ 833**	**$ 3,330**	**$ 3,330**

81700

BPWWTF Operations and Maintenance Buildings

Project Manager: Rich Bernier, P.E.
Contractor(s): Daniel O'Connell's Sons

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	May-19	July-21	26 Months	N/A
Construction	October-20	July-24	44 Months	$38,822
Total Project	**May-19**	**July-24**	**62 Months**	**$38,822**

Photo: Operations and Maintenance Building

This project involves the design and construction of a new Operations Building and a Maintenance/Storage Building at the Bucklin Point campus. The Operations Building will contain additional office space, training and locker rooms, and the WWTF's SCADA Control Room which is necessary to maintain system reliability and efficient operations. The Maintenance/Storage Building(s) will improve the efficiency of plant maintenance services necessary to ensure the reliable operation and performance of critical infrastructure systems and address various storage needs at the BPWWTF.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 32,991	**$ 5,656**	**$ 175**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 38,822**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional		-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 998	$ 195.9	$ 5	$ -	$ -	$ -	$ -	$ -	$ 1,199
A/E Professional	1	0	-	-	-	-	-	-	1
Construction	31,917	2,937.4	170	-	-	-	-	-	35,024
Contingency	-	2,507.2	-	-	-	-	-	-	2,507
Other	76	15.0	-	-	-	-	-	-	91
Total	**$ 32,991**	**$ 5,656**	**$ 175**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 38,822**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	70,715	70,715	70,715	70,715	70,715
Net Impact on Operating Budget	**$ -**	**$ 70,715**	**$ 70,715**	**$ 70,715**	**$ 70,715**	**$ 70,715**

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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	March-21	March-24	36 Months	$3,151
Construction	March-24	July-27	41 Months	22,555
Total Project	**March-21**	**July-27**	**77 Months**	**$25,706**

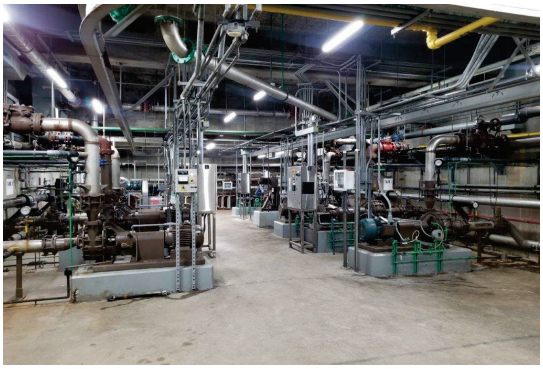

Photo: Primary Sludge Pump Station

Improvements to the FPWWTF include replacement of the Pepcon unit at the Gravity Thickener Building; evaluation and design of miscellaneous improvements to the WWTF's Disinfection and Dechlorination systems; a new transformer and replacement of the automatic strainer system. Other improvements include the design and construction of three Variable Frequency Drives; an OSHA safety required handrail installation at the Blower/Screw Lift Building and the Primary Sludge Pump Station; replacement of the HVAC unit at the Gravity Thickener Pump Station, modifications to the retaining wall systems, and other improvements.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 2,994	**$ 1,684**	**$ 2,739**	**$ 6,188**	**$ 12,075**	**$ 27**	**$ -**	**$ -**	**$ 25,706**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 210	$ 59	$ -	$ -	$ -	$ -	$ -	$ -	$ 268
Land	-	-	-	-	-	-	-	-	-
A/E Professional	1,265	1,083	-	-	-	-	-	-	2,348
Other	65	470	-	-	-	-	-	-	535
Total	**$ 1,539**	**$ 1,611**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,151**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 20	$ 43	$ 264	$ 360	$ 303	$ 7	$ -	$ -	$ 995
A/E Professional	-	30	308	285	565	21	-	-	1,209
Construction	1,434	-	2,125	5,500	6,146	-	-	-	15,205
Contingency	-	-	-	-	5,062	-	-	-	5,062
Other	-	-	43	43	-	-	-	-	85
Total	**$ 1,454**	**$ 73**	**$ 2,739**	**$ 6,188**	**$ 12,075**	**$ 27**	**$ -**	**$ -**	**$ 22,555**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	75,000	75,000
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ (75,000)**	**$ (75,000)**

20400

FPWWTF Ernest Street Pump Station Improvements

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

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	November-21	August-24	34 Months	N/A
Design	July-21	April-26	57 Months	$4,525
Construction	March-23	September-27	54 Months	33,489
Total Project	**July-21**	**September-27**	**75 Months**	**$38,015**

Photo: Ernest Street Pump Station

This project involves improvements and upgrades to the 200 MGD Ernest Street Pump Station related to the pumping 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; and a 1,750 kVA standby power generator system.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 1,172	**$ 4,078**	**$ 7,708**	**$ 14,268**	**$ 10,789**	**$ -**	**$ -**	**$ -**	**$ 38,015**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 184	$ 78	$ 78	$ 65	$ -	$ -	$ -	$ -	$ 405
Land	-	-	-	-	-	-	-	-	-
A/E Professional	786	1,037	855	559	-	-	-	-	3,237
Other	117	70	-	697	-	-	-	-	884
Total	**$ 1,086**	**$ 1,185**	**$ 933**	**$ 1,321**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,525**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 38	$ 221	$ 360	$ 308	$ 156	$ -	$ -	$ -	$ 1,082
A/E Professional	35	351	300	340	320	-	-	-	1,346
Construction	-	2,265	5,815	9,520	3,400	-	-	-	21,000
Contingency	-	-	-	2,759	6,893	-	-	-	9,652
Other	13	58	300	20	20	-	-	-	410
Total	**$ 86**	**$ 2,894**	**$ 6,775**	**$ 12,947**	**$ 10,789**	**$ -**	**$ -**	**$ -**	**$ 33,489**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
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	February-22	January-24	23 Months	$3,240
Construction	April-23	April-26	37 Months	24,039
Total Project	**February-22**	**April-26**	**51 Months**	**$27,279**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 2,546	**$ 813**	**$ 10,884**	**$ 13,037**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 27,279**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 211	$ 71	$ -	$ -	$ -	$ -	$ -	$ -	$ 282
Land	1,000	-	-	-	-	-	-	-	1,000
A/E Professional	1,153	418	-	-	-	-	-	-	1,570
Other	153	236	-	-	-	-	-	-	388
Total	**$ 2,516**	**$ 724**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,240**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 30	$ 69	$ 320	$ 135	$ -	$ -	$ -	$ -	$ 553
A/E Professional	-	20	713	145	-	-	-	-	878
Construction	-	-	9,700	3,800	-	-	-	-	13,500
Contingency	-	-	-	8,907	-	-	-	-	8,907
Other	-	-	152	50	-	-	-	-	202
Total	**$ 30**	**$ 89**	**$ 10,884**	**$ 13,037**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 24,039**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	17,679	70,715	70,715	70,715
Net Impact on Operating Budget	**$ -**	**$ -**	**$ 17,679**	**$ 70,715**	**$ 70,715**	**$ 70,715**

20600
NBC Solar Carport

Project Manager: Jim Kelly
Contractor(s): Various

Location: WQSB
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-23	May-23	2 Months	N/A
Construction	July-23	April-25	21 Months	$1,270
Total Project	**March-23**	**April-25**	**25 Months**	**$1,270**

Photo: Solar Carport

This project involves the design and installation of a solar carport on the Field's Point campus and will serve as an additional renewable energy source to help NBC achieve its goal of 100% renewable energy resources. The solar carport will also protect vehicles and staff from ice shed from the wind turbines. This project may be eligible for up to $206,600 in grant funding through the Rhode Island Renewable Energy Fund (REF) Commercial-Scale Program.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 43	**$ 1,228**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,270**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 23	$ 63	$ -	$ -	$ -	$ -	$ -	$ -	$ 85
A/E Professional	20	65	-	-	-	-	-	-	85
Construction	-	1,000	-	-	-	-	-	-	1,000
Contingency	-	100	-	-	-	-	-	-	100
Other	-	-	-	-	-	-	-	-	-
Total	**$ 43**	**$ 1,228**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,270**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ 425	$ 5,101	$ 5,101	$ 5,101	$ 5,101	$ 5,101
Reduced Expense	4,628	55,531	55,531	55,531	55,531	55,531
Increased Expense	249	2,990	2,990	2,990	2,990	2,990
Net Impact on Operating Budget	**$ (4,804)**	**$ (57,642)**	**$ (57,642)**	**$ (57,642)**	**$ (57,642)**	**$ (57,642)**

20800

Cybersecurity Improvements

Project Manager: Brendon McLean
Contractor(s): Various

Location: COB
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-21	June-24	35 Months	$1,311
Total Project	**July-21**	**June-24**	**35 Months**	**$1,311**

Photo: Protecting NBC from cyber threats

This project includes the purchase and implementation of cybersecurity improvements in key areas of the Information Technology (IT) infrastructure to mitigate cybersecurity risks and ensure NBC's ability to continuously operate and maintain its facilities.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 1,247	**$ 64**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,311**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 22	$ -	$ -	$ -	$ -	$ -	$ -	$ 22
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	1,247	43	-	-	-	-	-	-	1,289
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ 1,247**	**$ 64**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,311**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

40101
FPWWTF Electrical Improvements

Project Manager: David Bowen, P.E. Location: Providence, RI
Contractor(s): Various 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-23	December-24	20 Months	$1,161
Construction	January-25	May-28	41 Months	8,523
Total Project	**May-23**	**May-28**	**61 Months**	**$9,684**

Photo: Field's Point Screw and Blower Generator

This project involves the evaluation and installation of standby power capabilities for critical facilities at the Field's Point WWTF in order to maintain uninterrupted operation of treatment processes.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 9	**$ 551**	**$ 658**	**$ 1,757**	**$ 1,833**	**$ 4,877**	**$ -**	**$ -**	**$ 9,684**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 9	$ 86	$ 50	$ -	$ -	$ -	$ -	$ -	$ 144
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	420	310	-	-	-	-	-	730
Other	-	45	242	-	-	-	-	-	287
Total	**$ 9**	**$ 551**	**$ 602**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,161**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ 35	$ 122	$ 78	$ 122	$ -	$ -	$ 356
A/E Professional	-	-	22	175	130	109	-	-	435
Construction	-	-	-	1,430	1,575	3,295	-	-	6,300
Contingency	-	-	-	-	-	1,347	-	-	1,347
Other	-	-	-	30	50	5	-	-	85
Total	**$ -**	**$ -**	**$ 56**	**$ 1,757**	**$ 1,833**	**$ 4,877**	**$ -**	**$ -**	**$ 8,523**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	1,943	3,330	3,330	3,330	3,330
Net Impact on Operating Budget	**$ -**	**$ 1,943**	**$ 3,330**	**$ 3,330**	**$ 3,330**	**$ 3,330**

71000

Lincoln Septage Receiving Station Replacement

Project Manager: David Bowen, P.E. Location: Lincoln, RI
Contractor(s): TBD 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	December-23	22 Months	$1,063
Construction	October-23	January-26	28 Months	7,573
Total Project	**February-22**	**January-26**	**47 Months**	**$8,636**

Photo: Lincoln Septage Receiving Station

The 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 addition, the new facility will contain an Odor Control System to mitigate and manage fugitive emissions and odors.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 696	**$ 742**	**$ 5,382**	**$ 1,816**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 8,636**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 96	$ 30	$ -	$ -	$ -	$ -	$ -	$ -	$ 126
Land	-	-	-	-	-	-	-	-	-
A/E Professional	522	223	-	-	-	-	-	-	745
Other	78	114	-	-	-	-	-	-	192
Total	**$ 696**	**$ 367**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,063**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 98	$ 183	$ 104	$ -	$ -	$ -	$ -	$ 384
A/E Professional	-	43	221	62	-	-	-	-	325
Construction	-	200	4,150	650	-	-	-	-	5,000
Contingency	-	-	799	1,000	-	-	-	-	1,799
Other	-	35	30	-	-	-	-	-	65
Total	**$ -**	**$ 376**	**$ 5,382**	**$ 1,816**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,573**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	8,333	20,000	20,000	20,000
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ 8,333**	**$ 20,000**	**$ 20,000**	**$ 20,000**

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1140600

RIPDES Compliance Improvements - PFAS

Project Manager: David Bowen, P.E. Location: NBC District
Contractor(s): TBD 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	June-24	76 Months	$1,115
Construction	N/A	N/A	N/A	N/A
Total Project	**March-18**	**June-24**	**76 Months**	**$1,115**

Photo: Aerial 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 Compounds or Emerging Concerns Study, a Per- and Polyfluoroalkyl Substances (PFAS) Study, an Upper Bay Dissolved Oxygen Evaluation, a Climate Resiliency Plan, a site specific study and other similar evaluations and research programs.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 714	**$ 401**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,115**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 474	$ 218	$ -	$ -	$ -	$ -	$ -	$ -	$ 692
Land	-	-	-	-	-	-	-	-	-
A/E Professional	223	41	-	-	-	-	-	-	264
Other	17	142	-	-	-	-	-	-	159
Total	**$ 714**	**$ 401**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,115**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

1140900

Water Quality Model Validation and Enhancement

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	July-23	September-27	50 Months	$163
Construction	N/A	N/A	N/A	N/A
Total Project	**July-23**	**September-27**	**50 Months**	**$163**

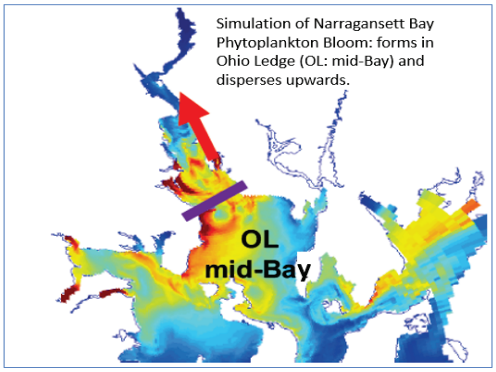

Photo: The ROMS model shows how algal blooms form and move through the Bay.

The Regional Ocean Modeling System (ROMS) tracks water circulation and pollutant transport. The ROMS model determines how nitrogen loads and environmental factors affect the biology and quality of the NBC's receiving waters. The purpose of this project is 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 provide NBC with the tools necessary to critically review proposed new regulatory requirements and prevent unnecessary capital expenditures.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ -	**$ 46**	**$ 33**	**$ 33**	**$ 34**	**$ 18**	**$ -**	**$ -**	**$ 163**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 6	$ 3	$ 3	$ 4	$ 3	$ -	$ -	$ 18
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	15	30	30	30	15	-	-	120
Other	-	25	-	-	-	-	-	-	25
Total	**$ -**	**$ 46**	**$ 33**	**$ 33**	**$ 34**	**$ 18**	**$ -**	**$ -**	**$ 163**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30700

NBC System-wide Facilities Planning

Project Manager: David Bowen, P.E. Location: NBC Service Area
Contractor(s): N/A 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-24	November-25	23 Months	$1,055
Construction	N/A	N/A	N/A	N/A
Total Project	**January-24**	**November-25**	**23 Months**	**$1,055**

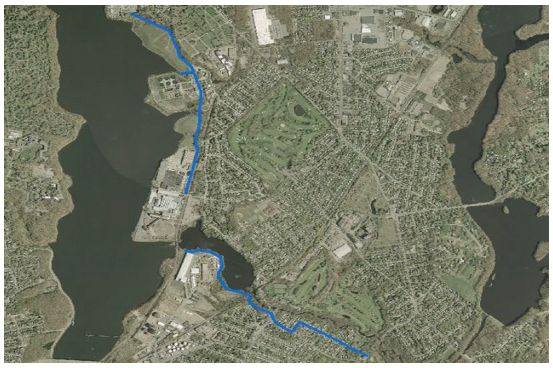

Photo: Proposed area for the East Providence Capacity Analysis

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ 56**	**$ 785**	**$ 215**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,055**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 36	$ 100	$ 41	$ -	$ -	$ -	$ -	$ 176
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	20	243	78	-	-	-	-	340
Other	-	-	443	97	-	-	-	-	540
Total	**$ -**	**$ 56**	**$ 785**	**$ 215**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,055**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
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	October-22	August-25	34 Months	$705
Construction	March-24	November-25	20 Months	875
Total Project	**March-24**	**November-25**	**20 Months**	**$1,580**

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 the 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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ 240**	**$ 706**	**$ 538**	**$ 96**	**$ -**	**$ -**	**$ -**	**$ 1,580**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 49	$ 68	$ 60	$ 9	$ -	$ -	$ -	$ 186
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	120	126	131	10	-	-	-	386
Other	-	-	33	24	77	-	-	-	133
Total	**$ -**	**$ 169**	**$ 226**	**$ 214**	**$ 96**	**$ -**	**$ -**	**$ -**	**$ 705**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 58	$ 87	$ 36	$ -	$ -	$ -	$ -	$ 180
A/E Professional	-	14	66	28	-	-	-	-	107
Construction	-	-	298	108	-	-	-	-	405
Contingency	-	-	-	123	-	-	-	-	123
Other	-	-	30	30	-	-	-	-	60
Total	**$ -**	**$ 72**	**$ 480**	**$ 324**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 875**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

40300

Municipal Lateral Sewer Acquisition Impact

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

Total Project Duration/Cost

Project Phase	Start Date	Completion Date	Project Duration	Cost (in Thousands)
Planning	December-24	November-26	24 Months	$610
Design	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	N/A
Total Project	**December-24**	**November-26**	**24 Months**	**$610**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ -**	**$ 104**	**$ 376**	**$ 131**	**$ -**	**$ -**	**$ -**	**$ 610**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ 88	$ 91	$ 20	$ -	$ -	$ -	$ 198
A/E Professional	-	-	16	240	50	-	-	-	306
Other	-	-	-	45	61	-	-	-	106
Total	**$ -**	**$ -**	**$ 104**	**$ 376**	**$ 131**	**$ -**	**$ -**	**$ -**	**$ 610**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

40550

RIPDES Flow Monitoring System Implementation

Project Manager: Michael Caruolo, P.E. Location: NBC Service Area
Contractor(s): ADS Environmental Services 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-23	June-24	16 Months	$1,650
Total Project	**February-23**	**June-24**	**16 Months**	**$1,650**

Photo: Flow Monitor

This project involves the replacement of existing flow monitoring equipment. In addition, the project will address capacity restriction points located throughout NBC's collection system through the purchase and installation of equipment to accurately monitor flow conditions and measurements in accordance with the RIPDES permit.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 547	**$ 1,103**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,650**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 75	$ 65	$ -	$ -	$ -	$ -	$ -	$ -	$ 140
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	472	1,038	-	-	-	-	-	-	1,510
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ 547**	**$ 1,103**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,650**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30800

CSO Phase III A Facilities - Design and Construction Program Management

Project Manager: Kathryn Kelly, P.E. Location: Pawtucket, RI
Contractor(s): Stantec Consulting Services 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	January-20	June-29	114 Months	$52,976
Construction	March-21	February-28	84 Months	54,958
Total Project	**January-20**	**June-29**	**114 Months**	**$107,934**

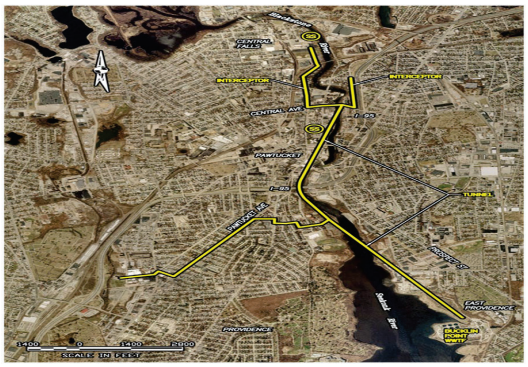

Photo: Proposed alignment for the Pawtucket CSO Tunnel

This project includes the design of the CSO Phase III A Facilities along with construction management services for the Phase III A construction contracts. Design of the CSO Phase III B Facilities is also included in this project.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 56,908	**$ 13,804**	**$ 10,441**	**$ 7,060**	**$ 5,353**	**$ 13,683**	**$ 685**	**$ -**	**$ 107,934**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 4,796	$ 665	$ 241	$ 240	$ 240	$ 180	$ 114	$ -	$ 6,476
Land	8,732	-	-	-	768	-	-	-	9,500
A/E Professional	29,277	1,200	1,200	700	600	600	571	-	34,148
Other	616	2,070	60	60	45	-	-	-	2,851
Total	**$ 43,422**	**$ 3,935**	**$ 1,501**	**$ 1,000**	**$ 1,653**	**$ 780**	**$ 685**	**$ -**	**$ 52,976**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	13,306	9,629	8,700	5,900	3,700	3,100	-	-	44,335
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	9,803	-	-	9,803
Other	180	240	240	160	-	-	-	-	820
Total	**$ 13,486**	**$ 9,869**	**$ 8,940**	**$ 6,060**	**$ 3,700**	**$ 12,903**	**$ -**	**$ -**	**$ 54,958**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30801

CSO Phase III A Facilities - Pawtucket Tunnel and Pump Station

Project Manager: Rich Bernier, 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	March-25	51 Months	$498,625
Total Project	**December-20**	**March-25**	**51 Months**	**$498,625**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 330,236	**$ 118,087**	**$ 48,145**	**$ 2,156**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 498,625**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 1,506	$ 1,050	$ 870	$ 20	$ -	$ -	$ -	$ -	$ 3,446
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	320,776	111,977	40,338	2,136	-	-	-	-	475,228
Contingency	-	-	6,884	-	-	-	-	-	6,884
Other	7,954	5,060	53	-	-	-	-	-	13,067
Total	**$ 330,236**	**$ 118,087**	**$ 48,145**	**$ 2,156**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 498,625**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
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): TBD

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	January-24	February-27	37 Months	$149,446
Total Project	**January-24**	**February-27**	**37 Months**	**$149,446**

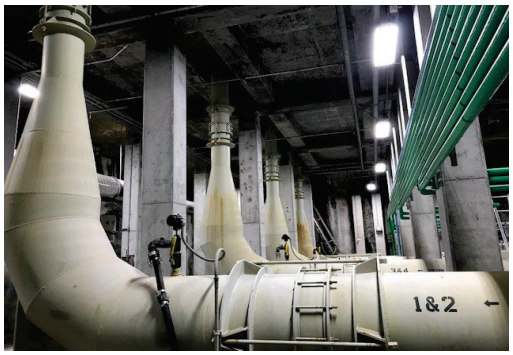

Photo: CSO Tunnel Pump Station

This project includes construction of the CSO Tunnel Pump Station (TPS). The TPS will be constructed 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 OF 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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 27	**$ 12,310**	**$ 63,285**	**$ 52,810**	**$ 21,014**	**$ -**	**$ -**	**$ -**	**$ 149,446**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 27	$ 560	$ 685	$ 610	$ 311	$ -	$ -	$ -	$ 2,193
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	10,400	61,100	50,700	7,800	-	-	-	130,000
Contingency	-	-	-	-	12,005	-	-	-	12,005
Other	-	1,350	1,500	1,500	898	-	-	-	5,248
Total	**$ 27**	**$ 12,310**	**$ 63,285**	**$ 52,810**	**$ 21,014**	**$ -**	**$ -**	**$ -**	**$ 149,446**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	1,103,635	1,965,591	1,965,591
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ 1,103,635**	**$ 1,965,591**	**$ 1,965,591**

30803

CSO Phase III A Facilities - OF 205

Project Manager: Kathryn Kelly, P.E. Location: Pawtucket
Contractor(s): TBD 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	March-23	December-24	21 Months	$7,306
Total Project	**March-23**	**December-24**	**21 Months**	**$7,306**

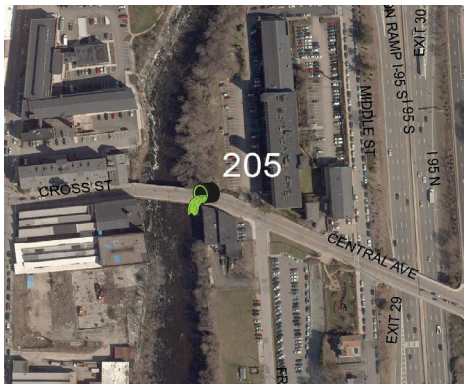

Photo: OF 205 Location

This project involves constructing near-surface facilities to direct flow from the existing CSO OF 205 pipe to a drop shaft for the CSO storage tunnel. Flow will be diverted from the CSO OF 205 pipe via a diversion structure. This flow will pass through a consolidation conduit and gate and screening structure which will screen the flow for large objects. From the gate and screening structure, the flow will pass into the drop shaft and then be directed to the tunnel through an adit. The drop shaft and adit will be constructed as part of another project.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 777	**$ 5,213**	**$ 1,315**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,306**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 25	$ 74	$ 32	$ -	$ -	$ -	$ -	$ -	$ 132
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	694	4,964	716	-	-	-	-	-	6,374
Contingency	-	-	500	-	-	-	-	-	500
Other	58	175	67	-	-	-	-	-	300
Total	**$ 777**	**$ 5,213**	**$ 1,315**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,306**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30804

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

Project Manager: Kathryn Kelly, P.E. Location: Pawtucket
Contractor(s): TBD 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	January-24	December-25	24 Months	$35,796
Total Project	**January-24**	**December-25**	**24 Months**	**$35,796**

Photo: Outfall Locations

This project includes the construction of consolidation conduits to direct flow to the tunnel via Drop Shaft 213 from CSO OF 210, 211, 213, and 214. Wet weather flow will be diverted from the OF 210, 211, and 213 to a new 48-inch consolidation conduit that will direct flow to Drop Shaft 213. Wet weather flow will be directed from OF 214 through a new 48-inch consolidation conduit to a new 60-inch consolidation conduit.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ -	**$ 5,551**	**$ 21,900**	**$ 8,345**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 35,796**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 159	$ 317	$ 158	$ -	$ -	$ -	$ -	$ 634
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	5,100	21,000	3,900	-	-	-	-	30,000
Contingency	-	-	-	3,995	-	-	-	-	3,995
Other	-	292	583	292	-	-	-	-	1,167
Total	**$ -**	**$ 5,551**	**$ 21,900**	**$ 8,345**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 35,796**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30805
CSO Phase III A Facilities - OF 217

Project Manager: Rich Bernier, P.E.
Contractor(s): DiGregorio, Inc

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-21	July-23	19 Months	$16,226
Total Project	**December-21**	**July-23**	**19 Months**	**$16,226**

Photo: OF 217

This project includes the construction of a consolidation conduit to direct flow to the tunnel via Drop Shaft 213 from CSO OF 217. Wet weather flow will be diverted from OF 217 to a new 48-inch consolidation conduit that will ultimately direct flow to Drop Shaft 213.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 13,962.60	**$ 2,264**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 16,226**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 298	$ 30	$ -	$ -	$ -	$ -	$ -	$ -	$ 328
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	13,440	234	-	-	-	-	-	-	13,673
Contingency	-	2,000	-	-	-	-	-	-	2,000
Other	225	-	-	-	-	-	-	-	225
Total	**$ 13,963**	**$ 2,264**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 16,226**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30807

CSO Phase III A Facilities - Regulator Modifications

Project Manager: Rich Bernier, P.E. Location: Pawtucket
Contractor(s): John Rocchio Corp. 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-21	August-23	27 Months	$7,609
Total Project	**April-21**	**August-23**	**27 Months**	**$7,609**

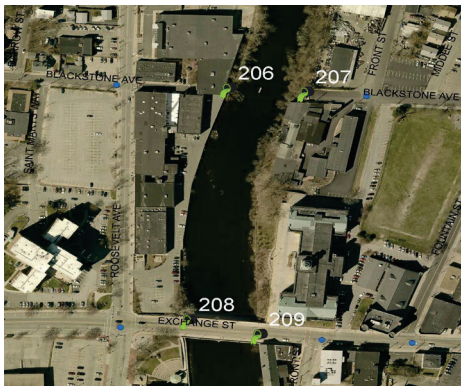

Photo: Outfall Locations

This project includes modifications at regulators for CSO OF 203, 204, 207, 208, 209, 212, 215, and 216. Modifications are required in order to direct flow to the tunnel through consolidation conduits constructed in other Phase III projects.

CIP Window Summary

Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
$ 6,896	**$ 713**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,609**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 503	$ 85	$ -	$ -	$ -	$ -	$ -	$ -	$ 588
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	3,393	628	-	-	-	-	-	-	4,020
Contingency	3,000	-	-	-	-	-	-	-	3,000
Other	-	-	-	-	-	-	-	-	-
Total	**$ 6,896**	**$ 713**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,609**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30809

CSO Phase III A - GSI Projects

Project Manager: Rich Bernier, P.E. Location: Central Falls
Contractor(s): J. H. Lynch & Sons, Inc. 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	November-19	April-23	41 Months	$9,430
Total Project	**November-19**	**April-23**	**41 Months**	**$9,430**

Photo: Example of Green Stormwater Infrastructure

This project entails the construction of green stormwater infrastructure (GSI) in the city of Central Falls. GSI will be constructed in the CSO OF 101 and OF 103 sewersheds and will include tree box filters, bio-retention basins, infiltration chambers, and other facilities to promote infiltration of stormwater runoff to the groundwater table.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 8,775	**$ 656**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 9,430**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 365	$ 79	$ -	$ -	$ -	$ -	$ -	$ -	$ 444
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	8,653	24	-	-	-	-	-	-	8,677
Contingency	500	500	-	-	-	-	-	-	1,000
Other	(743)	53	-	-	-	-	-	-	(691)
Total	**$ 8,775**	**$ 656**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 9,430**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
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): TBD

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	October-25	40 Months	$57,761
Total Project	**July-22**	**October-25**	**40 Months**	**$57,761**

Photo: Existing 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, and improvements to the RAS piping system and influent pump station.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 3,849	**$ 26,105**	**$ 20,593**	**$ 6,966**	**$ 248**	**$ -**	**$ -**	**$ -**	**$ 57,761**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 161	$ 731	$ 244	$ 30	$ -	$ -	$ -	$ -	$ 1,167
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	3,609	23,800	19,950	1,977	248	-	-	-	49,584
Contingency	-	-	-	4,959	-	-	-	-	4,959
Other	79	1,574	399	-	-	-	-	-	2,052
Total	**$ 3,849**	**$ 26,105**	**$ 20,593**	**$ 6,966**	**$ 248**	**$ -**	**$ -**	**$ -**	**$ 57,761**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30830
CSO Phase III B Facilities

Project Manager: Kathryn Kelly, P.E. Location: Central Falls, RI
Contractor(s): N/A 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	January-29	June-31	30 Months	$45,505
Total Project	**January-29**	**June-31**	**30 Months**	**$45,505**

Photo: Proposed CSO Phase III B Facilities

CSO Phase III B Facilities include construction of the upper Blackstone Valley Interceptor (BVI) gate and screening structure, interceptor relief, and consolidation conduit. These interceptors will convey flow to the tunnel to be built as part of the CSO Phase III A Facilities. Design of this phase was completed as part of the CSO Phase III A Facilities project. In addition, GSI facilities will be constructed to reduce storm inflow to the combined sewer system, and one sewer separation project will be included as part of Phase III B.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,423**	**$ 40,082**	**$ 45,505**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ 141	$ 1,020	$ 1,161
A/E Professional	-	-	-	-	-	-	566	4,078	4,644
Construction	-	-	-	-	-	-	4,716	33,984	38,700
Contingency	-	-	-	-	-	-	-	1,000	1,000
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,423**	**$ 40,082**	**$ 45,505**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30850
CSO Phase III C Facilities

Project Manager: Kathryn Kelly, P.E. Location: Pawtucket, RI
Contractor(s): N/A 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-32	June-34	26 Months	$37,764
Construction	April-34	June-37	39 Months	252,629
Total Project	**May-32**	**June-37**	**62 Months**	**$290,393**

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 storm water inflow to the combined sewers.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 290,393	$ 290,393

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,581	$ 1,581
Land	-	-	-	-	-	-	-	4,083	4,083
A/E Professional	-	-	-	-	-	-	-	30,904	30,904
Other	-	-	-	-	-	-	-	1,196	1,196
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 37,764**	**$ 37,764**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	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 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30870
CSO Phase III D Facilities

Project Manager: Kathryn Kelly, P.E. Location: Providence, RI
Contractor(s): N/A 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-37	September-39	29 Months	$23,524
Construction	August-39	December-41	28 Months	137,149
Total Project	**April-37**	**December-41**	**57 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 storm water inflow to the combined sewer system. Storm sewers will be constructed to separate stormwater flow from the combined sewer.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 160,674**	**$ 160,674**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	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 24	FY 25	FY 26	FY 27	FY 28	FY 29
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-28	July-31	36 Months	$1,651
Construction	July-30	August-33	37 Months	16,389
Total Project	**July-28**	**August-33**	**61 Months**	**$18,040**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 425**	**$ 17,616**	**$ 18,040**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ 200	$ 245	$ 445
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	205	710	916
Other	-	-	-	-	-	-	20	271	291
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 425**	**$ 1,226**	**$ 1,651**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 519	$ 519
A/E Professional	-	-	-	-	-	-	-	737	737
Construction	-	-	-	-	-	-	-	11,800	11,800
Contingency	-	-	-	-	-	-	-	3,134	3,134
Other	-	-	-	-	-	-	-	200	200
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 16,389**	**$ 16,389**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

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	September-11	July-24	155 Months	$463
Construction	May-24	January-26	20 Months	965
Total Project	**September-11**	**January-26**	**172 Months**	**$1,428**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 28	**$ 434**	**$ 597**	**$ 369**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,428**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 8	$ 85	$ -	$ -	$ -	$ -	$ -	$ -	$ 93
Land	-	50	-	-	-	-	-	-	50
A/E Professional	10	285	5	-	-	-	-	-	300
Other	10	10	-	-	-	-	-	-	20
Total	**$ 28**	**$ 430**	**$ 5**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 463**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 4	$ 43	$ 31	$ -	$ -	$ -	$ -	$ 78
A/E Professional	-	-	29	23	-	-	-	-	53
Construction	-	-	500	150	-	-	-	-	650
Contingency	-	-	-	140	-	-	-	-	140
Other	-	-	20	25	-	-	-	-	45
Total	**$ -**	**$ 4**	**$ 592**	**$ 369**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 965**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30610

NBC System-wide Regulator Modifications

Project Manager: David Bowen, P.E. Location: Fields Point WWTF
Contractor(s): TBD 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	September-23	19 Months	$979
Construction	September-23	September-25	24 Months	3,230
Total Project	**February-22**	**September-25**	**43 Months**	**$4,209**

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, Vandewater, and other miscellaneous locations throughout the century old combined sewer system.

CIP Window Summary	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 803	**$ 676**	**$ 1,683**	**$ 1,047**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,209**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 111	$ 15	$ -	$ -	$ -	$ -	$ -	$ -	$ 126
Land	75	-	-	-	-	-	-	-	75
A/E Professional	537	45	-	-	-	-	-	-	582
Other	80	116	-	-	-	-	-	-	196
Total	**$ 803**	**$ 176**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 979**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 95	$ 214	$ 39	$ -	$ -	$ -	$ -	$ 348
A/E Professional	-	40	83	8	-	-	-	-	130
Construction	-	350	1,350	300	-	-	-	-	2,000
Contingency	-	-	-	700	-	-	-	-	700
Other	-	15	37	-	-	-	-	-	52
Total	**$ -**	**$ 500**	**$ 1,683**	**$ 1,047**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,230**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
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	October-24	71 Months	$926
Construction	November-24	July-27	33 Months	7,832
Total Project	**November-18**	**July-27**	**104 Months**	**$8,758**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 10	**$ 535**	**$ 691**	**$ 1,960**	**$ 5,557**	**$ 7**	**$ -**	**$ -**	**$ 8,758**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 10	$ 90	$ 41	$ -	$ -	$ -	$ -	$ -	$ 140
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	385	245	-	-	-	-	-	630
Other	-	60	96	-	-	-	-	-	156
Total	**$ 10**	**$ 535**	**$ 382**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 926**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ 56	$ 150	$ 175	$ 7	$ -	$ -	$ 387
A/E Professional	-	-	39	135	115	-	-	-	288
Construction	-	-	200	1,650	3,400	-	-	-	5,250
Contingency	-	-	-	-	1,838	-	-	-	1,838
Other	-	-	15	25	30	-	-	-	70
Total	**$ -**	**$ -**	**$ 309**	**$ 1,960**	**$ 5,557**	**$ 7**	**$ -**	**$ -**	**$ 7,832**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

72000

Reservoir Avenue Pump Station Improvements

Project Manager: David Bowen, P.E.
Location: Reservoir Avenue Pump Station, Providence
Contractor(s): TBD
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-24	June-25	16 Months	$923
Construction	November-24	July-27	33 Months	7,832
Total Project	**February-24**	**July-27**	**42 Months**	**$8,755**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ 37**	**$ 1,196**	**$ 1,960**	**$ 5,557**	**$ 7**	**$ -**	**$ -**	**$ 8,755**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 37	$ 101	$ -	$ -	$ -	$ -	$ -	$ 137
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	630	-	-	-	-	-	630
Other	-	-	156	-	-	-	-	-	156
Total	**$ -**	**$ 37**	**$ 887**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 923**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ 56	$ 150	$ 175	$ 7	$ -	$ -	$ 387
A/E Professional	-	-	39	135	115	-	-	-	288
Construction	-	-	200	1,650	3,400	-	-	-	5,250
Contingency	-	-	-	-	1,838	-	-	-	1,838
Other	-	-	15	25	30	-	-	-	70
Total	**$ -**	**$ -**	**$ 309**	**$ 1,960**	**$ 5,557**	**$ 7**	**$ -**	**$ -**	**$ 7,832**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

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304 M Summary

Interceptor Inspection and Cleaning

Project Manager: Mike Caruolo, P.E.
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	**January-00**	**January-00**	**0 Months**	**$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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 3,500**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 69	$ 69	$ 69	$ 69	$ 69	$ 69	$ 69	$ 486
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	399	399	399	399	399	399	399	2,791
Contingency	-	-	-	-	-	-	-	-	-
Other	-	32	32	32	32	32	32	32	223
Total	**$ -**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 500**	**$ 3,500**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

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30400

Interceptor Restoration and Construction

Project Manager: Rich Bernier, P.E.
Contractor(s): Various

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	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	$6,763
Total Project	**January-00**	**January-00**	**0 Months**	**$6,763**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ 218**	**$ -**	**$ 545**	**$ 1,500**	**$ 1,500**	**$ 1,500**	**$ 1,500**	**$ 6,763**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ 121	$ -	$ 111	$ 222	$ 222	$ 222	$ 222	$ 1,120
A/E Professional	-	-	-	-	24	24	24	24	94
Construction	-	92	-	194	1,014	1,014	1,014	1,014	4,344
Contingency	-	-	-	235	235	235	235	235	1,177
Other	-	5	-	5	5	5	5	5	28
Total	**$ -**	**$ 218**	**$ -**	**$ 545**	**$ 1,500**	**$ 1,500**	**$ 1,500**	**$ 1,500**	**$ 6,763**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30315

Woonasquatucket CSO OF 046 Improvements

Project Manager: Kathryn Kelly, P.E. Location: Providence
Contractor(s): TBD 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	July-23	June-26	35 Months	$3,981
Total Project	**July-23**	**June-26**	**35 Months**	**$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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 142	**$ 651**	**$ 2,233**	**$ 955**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,981**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 29	$ 43	$ 56	$ 22	$ -	$ -	$ -	$ -	$ 150
A/E Professional	105	360	342	113	-	-	-	-	921
Construction	15	-	1,640	820	-	-	-	-	2,475
Contingency	-	248	124	-	-	-	-	-	372
Other	(6)	-	70	-	-	-	-	-	64
Total	**$ 142**	**$ 651**	**$ 2,233**	**$ 955**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,981**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30421

Louisquisset Pike Interceptor Improvements

Project Manager: David Bowen, P.E. Location: Lincoln, RI
Contractor(s): N/A 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-28	December-29	17 Months	$6,461
Total Project	**July-28**	**December-29**	**17 Months**	**$6,461**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ -	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,768**	**$ 3,693**	**$ 6,461**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ 100	$ 41	$ 141
A/E Professional	-	-	-	-	-	-	268	52	320
Construction	-	-	-	-	-	-	2,400	1,600	4,000
Contingency	-	-	-	-	-	-	-	1,400	1,400
Other	-	-	-	-	-	-	-	600	600
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,768**	**$ 3,693**	**$ 6,461**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense			-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

30468

Improvements to Interceptors FY 2022

Project Manager: Rich Bernier, P.E.
Contractor(s): N/A
Location: North Providence/Johnston
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	June-22	February-24	20 Months	$2,032
Total Project	**June-22**	**February-24**	**20 Months**	**$2,032**

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 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
	$ 1,940	**$ 92**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,032**

Projected Expenditures - Planning

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Design

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Projected Expenditures - Construction

Cost Category	Pre FY 24	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	Post FY 29	Total
Administrative	$ 341	$ 9	$ -	$ -	$ -	$ -	$ -	$ -	$ 350
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	1,293	83	-	-	-	-	-	-	1,375
Contingency	300	-	-	-	-	-	-	-	300
Other	6	-	-	-	-	-	-	-	6
Total	**$ 1,940**	**$ 92**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,032**

Note: Cash Flow Basis in Thousands

Operating Budget Impacts

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
Revenue	$ -	$ -	$ -	$ -	$ -	$ -
Reduced Expense	-	-	-	-	-	-
Increased Expense	-	-	-	-	-	-
Net Impact on Operating Budget	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**