Narragansett Bay Commission

CAPITAL IMPROVEMENT PROGRAM

FISCAL YEARS 2013-2017

Vincent J. Mesolella
Chairman

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Executive Director

Capital Project Cost Summary

(Capital Projects with costs in Fiscal Years 2013-2017)

Page Number	Project Number	Project Name	Fiscal Years 2013 - 2017 (In Thousands)
	Wastewater Treatment Facility Improvements		
27	10901C	FPWWTF - Nitrogen Removal Facilities - Construction	$ 15,966
28	11900C	Regulatory Compliance Building - Construction	18,301
29	12000C	BPWWTF - Biogas Reuse - Construction	2,353
30	12100C	FPWWTF - Wind Turbine - Construction	1,374
32	12400D	NBC IM Facilities - Design	557
32	12400C	NBC IM Facilities - Construction	6,052
33	80900C	BPWWTF - Nitrogen Removal Facilities - Construction	45,312
		Subtotal - Wastewater Treatment Facility Improvements	89,915
	Infrastructure Management		
37	1100000	Site Specific Study	246
39	30221D	Hydraulic Systems Modeling - Design	195
40	30438C	Interceptor Easements - Construction	612
41	30500D	NBC Interceptor Easements - Design	2,614
41	30500C	NBC Interceptor Easements - Construction	2,497
42	30501C	Interceptor Easements - NBC BVI Construction	730
43	30700	NBC System-wide Facilities Planning	1,389
		Subtotal - Infrastructure Management	8,283
	Phase II CSO Facilities		
48	30301RS	Phase II CSO Facilities - Program & Construction	24,038
49	30302C	Phase II CSO Facilities - OF 106	8,555
50	30303C	Phase II CSO Facilities - WCSOI	106,895
51	30404C	Phase II CSO Facilities - SCSOI Main	73,547
52	30305C	Phase II CSO Facilities - OF 027	6,675
53	30306C	Phase II CSO Facilities - OF 037 West	9,802
54	30307C	Phase II CSO Facilities - OF 037 South	15,127
55	30308C	Phase II CSO Facilities - OF 037 North	15,127
56	30309C	Phase II CSO Facilities - WCSOI Regulator	23
57	30310C	Phase II CSO Facilities - WCSOI North	18,752
58	30311C	Phase II CSO Facilities - WCSOI West	9,585
59	30312C	Phase II CSO Facilities - SCSOI Regulator	1,836
60	30313C	Phase II CSO Facilities - WCSOI Site Demolition	26
		Subtotal - Phase II CSO Facilities	289,987
	Phase III CSO Facilities		
61	30800D	Phase III CSO Facilities - Design	28,713
		Subtotal - Phase III CSO Facilities	28,713
	Floatables Control Facilities		
69	30600C	Floatables Control Facilities - Construction	1,399
		Subtotal - Floatables Control Facilities	1,399
	CSO Interceptor Inspection and Cleaning		
73	30400M	Inspection & Cleaning of CSO Interceptors	2,500
		Subtotal - CSO Interceptor Inspection and Cleaning	2,500
	CSO Interceptor Repair and Construction		
74	30400C	Repair and Construction of CSO Interceptors	4,400
75	30421C	Louisquisset Pike Interceptor Replacement - Construction	2,382
76	30444D	Moshassuck Valley Interceptor - Design	152
76	30444C	Moshassuck Valley Interceptor - Construction	2,373
78	30454C	Branch Avenue Interceptor Improvement	150
		Subtotal - CSO Interceptor Repair and Construction	9,457
	Total Capital Improvement Program		$ 430,254

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Capital Improvement Program (CIP)

The Capital Improvement Program

The Narragansett Bay Commission's Capital Improvement Program (CIP) identifies programmed capital investments necessary to comply with current and future regulatory requirements, take advantage of technological advancements, and ensure the integrity of NBC's infrastructure. 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 also incorporates the needs identified through NBC's asset management program. These capital improvements represent projects greater than $75,000 and are for new facilities as well as the repair and replacement of existing infrastructure. The CIP shows programmed expenditures for fiscal year 2012 as well as the five-year period of fiscal years 2013-2017, which is referred to in this document as the "window." Structuring the CIP this way enables NBC's program to be easily incorporated into the capital budget of the State of Rhode Island.

Capital Improvement Program Overview

This year's CIP identifies a total of 51 projects that are either in progress, to be initiated, or to be completed during the window. Annual capital expenditures are projected to be in excess of $100 million per year during the next four years as NBC begins construction of the Combined Sewer Overflow (CSO) Phase II Facilities, continues with the construction of Nitrogen Removal Facilities at Field's Point and initiates construction of the Nitrogen Removal Facilities at Bucklin Point. Total estimated costs for this year's CIP window are $430 million. For planning purposes, the programmed expenditures are classified into cost categories, as shown in the following table.

FY 2012-2017 CIP Costs by Category
(In thousands)

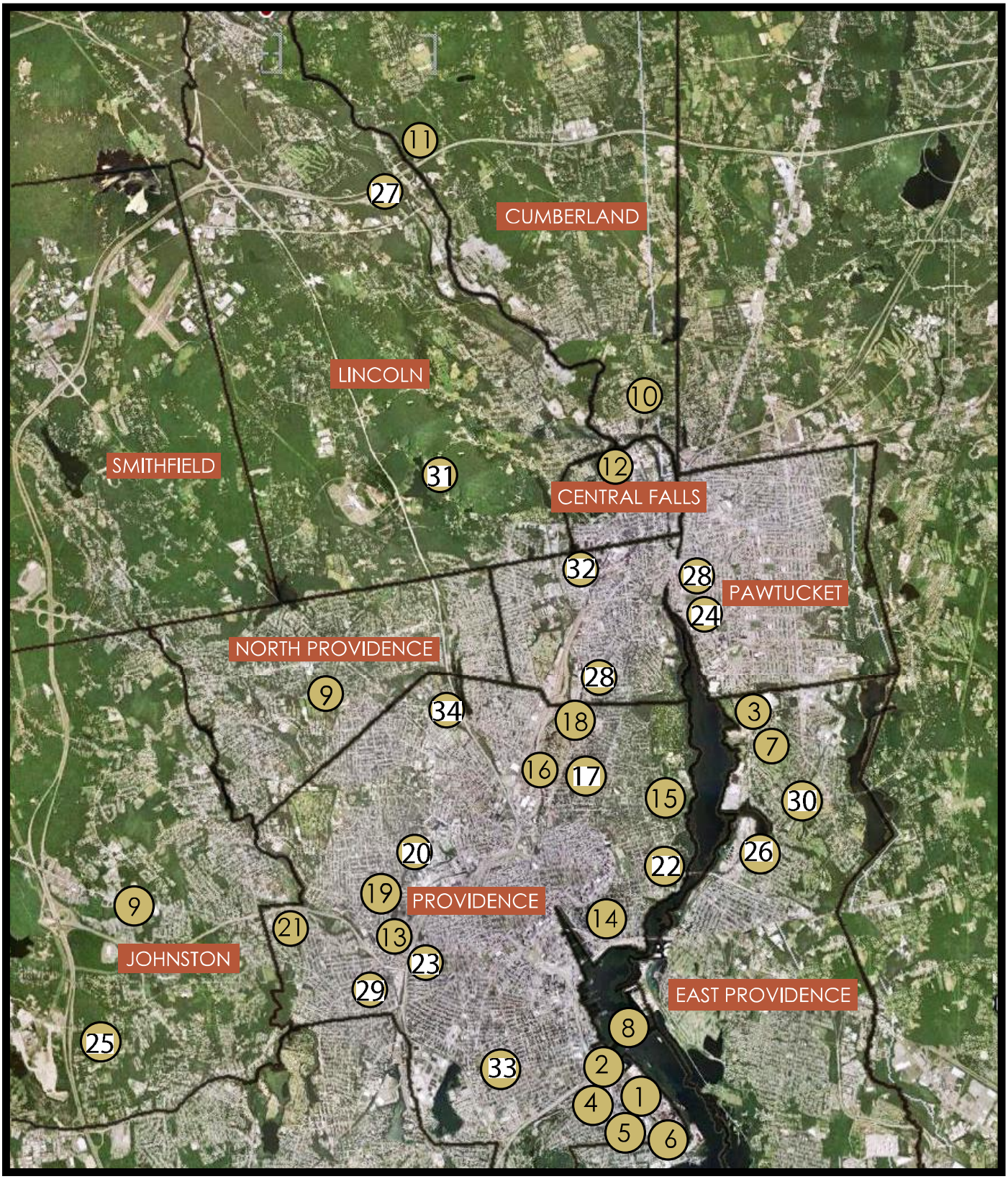
Cost Category	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Total Costs FY 2013-2017	Total Costs FY 2012-2017
Administrative	$ 3,326	$ 4,260	$ 3,087	$ 2,277	$ 561	$ 652	$ 10,836	$ 14,163
Land	6,149	530	300	300	-	-	1,130	7,279
A/E Professional	4,033	2,332	2,056	1,054	11,997	16,001	33,440	37,472
Construction	77,249	114,910	100,472	65,781	23,825	4,531	309,518	386,767
Contingency	2,123	7,671	13,945	26,372	834	150	48,973	51,096
Other	7,604	10,688	8,695	6,742	137	97	26,357	33,961
Total Project Costs	**$ 100,484**	**$ 140,390**	**$ 128,554**	**$ 102,526**	**$ 37,353**	**$ 21,431**	**$ 430,254**	**$ 530,738**

Capital Improvement Program Project Locations

The capital projects included in this CIP are categorized into one of eight areas depending on their scope and phase. The capital projects identified in this year's CIP are shown on the map on the following page. The map highlights 34 project locations as identified in the key below.

Legend Key	Project Number	Project Name
	Wastewater Treatment Facility Improvements	
1	10901	FPWWTF - Nitrogen Removal Facilities
2	11900	Regulatory Compliance Building
3	12000	BPWWTF - Biogas Reuse
4	12100	FPWWTF - Wind Turbine
5	12200C	FPWWTF - Flow Control Efficiencies
6	12400	NBC IM Facilities
7	80900	BPWWTF - Nitrogen Removal Facilities
	Infrastructure Management	
8	1100000	Site Specific Study
8	1140100	River Model Development
9	30221	Hydraulic Systems Modeling
10	30438	Interceptor Easements - Construction
11	30501	Interceptor Easements - NBC BVI
	Phase II CSO Facilities	
12	30302C	Phase II CSO Facilities - OF 106
13	30303C	Phase II CSO Facilities - WCSOI Main
14	30404C	Phase II CSO Facilities - SCSOI Main
15	30305C	Phase II CSO Facilities - OF 027
16	30306C	Phase II CSO Facilities - OF 037 West
17	30307C	Phase II CSO Facilities - OF 037 South
18	30308C	Phase II CSO Facilities - OF 037 North
19	30309C	Phase II CSO Facilities - WCSOI Regulator
20	30310C	Phase II CSO Facilities - WCSOI North
21	30311C	Phase II CSO Facilities - WCSOI West
22	30312C	Phase II CSO Facilities - SCSOI Regulator
23	30313C	Phase II CSO Facilities - WCSOI Site Demolition
	Phase III CSO Facilities	
24	30800	Phase III CSO Facilities
	Sewer System Improvements	
25	70500	Central Avenue Pump Station
26	70600C	Omega Pump Station Rack Room
27	70700C	Lincoln Septage Station - Lakeside Unit Replacement
	Floatables Control Facilities	
28	30600	Floatables Control Facilities
	CSO Interceptor Inspection and Cleaning	
29	30430M	Woonasquatucket Interceptor along Route 10 Inspection & Cleaning
30	30435M	East Providence Interceptor Inspection and Cleaning
	CSO Interceptor Repair and Construction	
31	30421	Louisquisset Pike Interceptor Replacement
32	30444	Moshassuck Valley Interceptor
33	30453C	Improvements to NBC Interceptors FY 2010
34	30454C	Branch Avenue Interceptor Improvement

CAPITAL IMPROVEMENT PROGRAM
PROJECT LOCATIONS



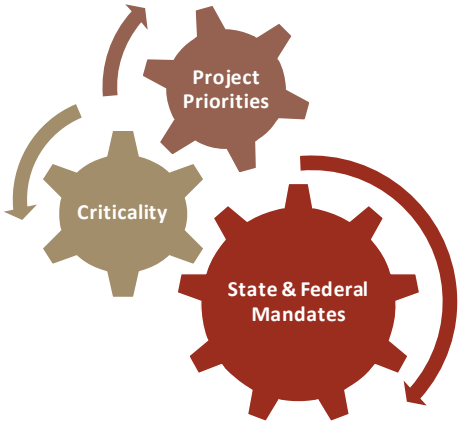
Capital Improvement Program Assumptions

The cost estimates in this CIP are based on a number of assumptions as follows:

- Costs and cash flows are based on engineering estimates as well as bid amounts, once they become available.
- The CIP does not include the operating capital outlay expenses such as plant and equipment required on an annual basis. These expenses are identified in NBC's annual operating budget and are outlined in the five-year Operating Capital Outlay Plan.
- Construction projects currently underway include a 10% contingency. The contingency for future construction projects is 12%, which reflects recent industry experience related to construction cost factors. The cost estimates for future design projects includes a 7% allowance for salary and fringe associated with project management, based on historical data.
- Financing costs and debt service associated with new debt for the CIP Program are not included in the CIP expenditures or the project cash flows. Financing costs are capitalized and amortized over the length of the debt payment schedule, and debt service is included as an expense in the annual operating budget.

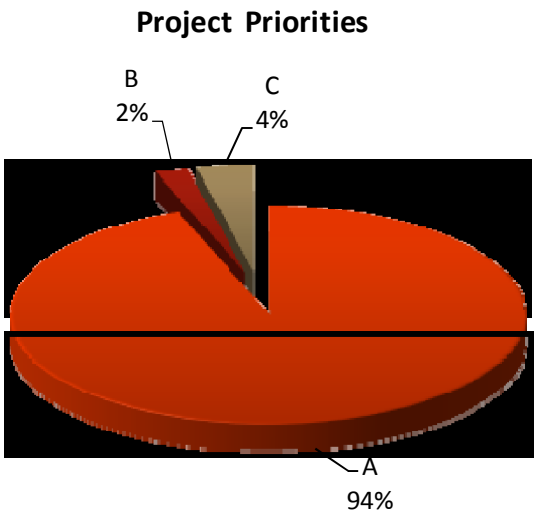
Capital Improvement Program Development

NBC's comprehensive capital improvement planning process that incorporates program priorities, the permitting process, construction management availability, seasonal considerations, scheduling and 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 capital expenditures are expected to remain high over the next five years. The funding levels are primarily due to investments required to meet state and federal mandates for CSO abatement and biological nutrient removal (BNR).



NBC's Project Managers begin the annual CIP process with the development of detailed justifications for each capital project including the project scope, the basis of the cost estimate, and the key factors impacting costs and schedules. The Project Managers also explain modifications from the prior year's CIP and the overall project timeline. A chart illustrating the detailed project scheduling can be found in the appendix at the end of this CIP document. A CIP Review Committee reviews the proposed capital project expenditures. Projects approved for inclusion in the CIP are subsequently analyzed to assess major program changes, overall capital funding needs, and the strength of the project's connection to the objectives in NBC's Strategic Plan.

As part of the CIP program development, the criticality of each project is assessed and a priority ranking is assigned based on that assessment. Projects with an "A" ranking are the most critical and are either mandated or currently under construction. Approximately 94% of the projects identified in the window are prioritized with an "A" ranking and total approximately $406 million.



In addition, 2% or nearly $9 million of projects are identified with a "B" ranking, which includes projects imperative to NBC's ongoing operations. Finally, 4%, or approximately $15 million of the capital expenditures, are ranked as "C", which includes projects which are important but not critical to ongoing operations. The following table outlines the programmed expenditures according to each one of the three priority ranking throughout the CIP window.

Estimated Costs by Project Priority
(In thousands)

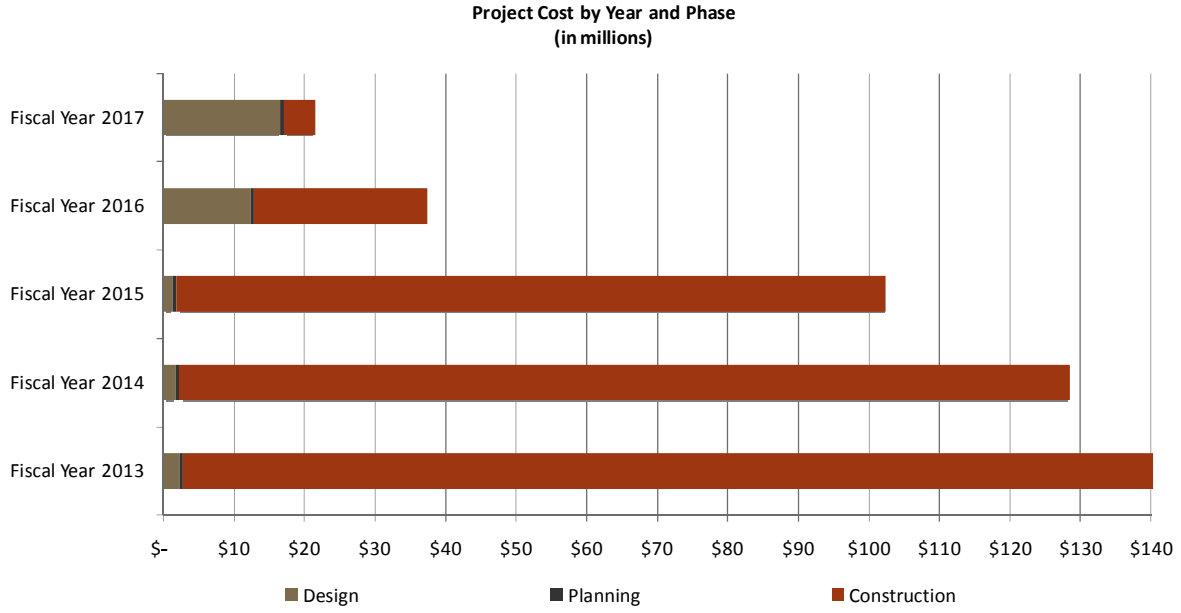
Project Priority	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Total Costs FY 2013-2017	Ranking Percentage
A	$ 133,268	$ 123,830	$ 94,919	$ 34,403	$ 19,376	$ 405,796	94%
B	1,669	884	2,467	2,000	2,000	9,019	2%
C	5,454	3,840	5,140	950	55	15,439	4%
Total Project Costs	**$ 140,390**	**$ 128,554**	**$ 102,526**	**$ 37,353**	**$ 21,431**	**$ 430,254**	**100%**

Capital Expenditure by Phase

NBC's large construction projects are delineated by phases, beginning with planning, followed by design, and finally construction. Planning consists of tasks such as feasibility studies and mapping. The design phase includes the determination of the intended technology as well as the development of all plans and specifications, acquisition of easements and permits. During the Construction phase, the facility improvements and infrastructure rehabilitation are constructed. The CIP also includes some programmed capital projects which are not broken down into phases, since they deal with the routine inspection, cleaning and repair of NBC's miles of interceptors, or other one-time special studies.

The following graph illustrates the programmed capital expenditures according to the project phase. The construction phase has the largest amount of expenditures during the window, with approximately 92% or $394 million of the total expenditures. Design is the second largest phase with $79 million or 8% of the capital expenditures. Finally, the inspection and cleaning and planning phase expenditures are approximately 1% of the total.

Expenditures by Project Phase

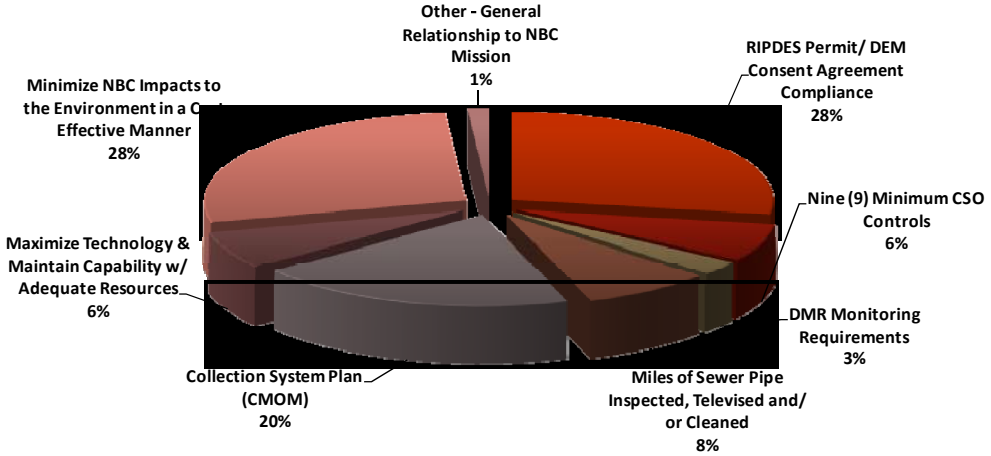


Capital Projects by Strategic Objective

NBC's Strategic Plan ensures the ability to meet water quality objectives within the constraints of regulatory requirements through short term and long term objectives. As part of the CIP development process, Project Managers determine the specific strategic goal or goals that the project will address. Projects may be aligned with more than one objective as the project may be intended for multiple purposes.

Of the 51 CIP projects, 28% are related to the RIPDES Permit/DEM Consent Agreement Compliance Objective and 28% are to Minimize NBC's Impacts to the Environment in a Cost Effective Manner. In addition, 20% are related to the Collection System Plan Objective which relates to capacity management and operation and maintenance of NBC's collection and treatment system. The following chart illustrates the percentage of capital projects aligned with each Strategic Objective.

Percentage of Capital Projects by Strategic Objective



Capital Improvement Program Project Cost Allocation

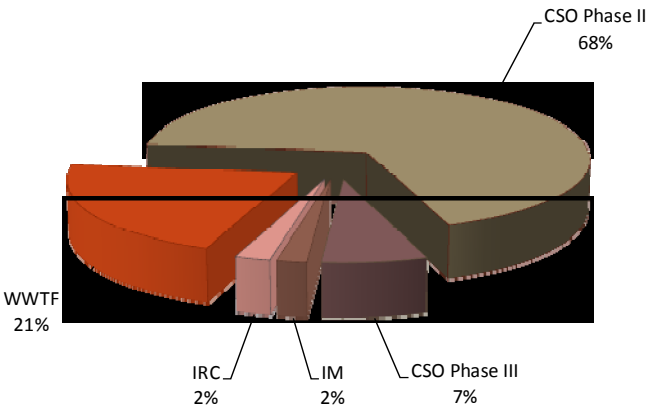
NBC classifies the capital expenditures by categorizing each capital project into one of eight functional areas, according to the scope and tasks involved within each capital project. The eight functional areas are described in the table below.

Allocation of Projects by Functional Area

Functional Area	Definition
Wastewater Treatment Facility Improvements (WWTF)	Projects related to improvements at the NBC's Wastewater Treatment Facilities, including the Nitrogen Removal Facilities.
Infrastructure Management (IM)	Includes Water Quality Modeling, System-wide Facilities Planning, and Interceptor Easements.
Combined Sewer Overflow Phase II (CSO Phase II)	Projects related to the CSO Abatement Phase II Facilities.
Combined Sewer Overflow Phase III (CSO Phase III)	Projects related to the CSO Abatement Phase III Facilities.
Sewer System Improvements (SSI)	Projects related to pump station improvements, and other sewer system related improvements.
Floatables Control Facilities (FCF)	Includes all CSO Floatables Contol Facilities projects.
CSO Interceptor Inspection and Cleaning (IIC)	Includes projects related to interceptor inspection and cleaning.
CSO Interceptor Repair and Construction (IRC)	Includes projects related to interceptor repair and maintenance.

The following graph shows the allocation of capital expenditures according to the functional area classification. Of the approximately $430 million in capital expenditures scheduled over this year's CIP window, $290 million, or 67%, is for Phase II of the CSO Abatement Project. In addition, 21% or $90 million is for Wastewater Treatment Facility Improvements, of which $61 million will be spent on the nitrogen removal facilities at both Field's Point and Bucklin Point. Finally, 7% or $29 million is allocated to begin design of Phase III of the CSO Abatement Project.

CIP Costs by Functional Area



The following table shows a comparison of the capital expenditure costs by functional area from the prior year (FY 2012-2016) CIP to the current year (FY 2013-2017) CIP. The most significant change is due to the CIP's window shift from year to year.

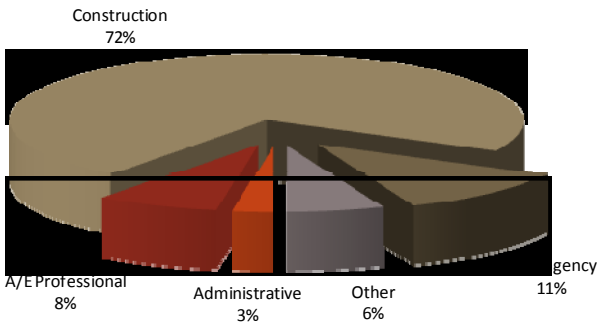
The functional area which shows an increase is the CSO Phase III Facilities, since design is scheduled to begin in 2016. The remaining functional areas show decreases, reflecting the completion of capital projects. Overall, there is a 5% decrease in programmed expenditures for the current CIP window as compared to last year's CIP window.

CIP Costs by Functional Area
(In thousands)

Functional Area	Prior Year CIP (FY 2012-2016)	Current Year CIP (FY 2013-2017)	% Change
Wastewater Treatment Facility Improvements	$ 111,824	$ 89,915	-20%
Infrastructure Management	10,365	8,283	-20%
CSO Phase II Facilities	301,723	289,987	-4%
CSO Phase III Facilities	12,257	28,713	57%
Sewer System Improvements	130	-	-100%
Floatables Control Facilities	2,747	1,399	-49%
CSO Interceptor Inspection and Cleaning	2,500	2,500	0%
CSO Interceptor Repair and Construction	9,410	9,457	0%
Total	$ 450,956	$ 430,254	-5%

For planning purposes, the programmed expenditures within each project are classified into cost categories. Cost categories include the Administrative category, which includes NBC labor costs as well as police, legal, and advertising expenses. The Land category includes costs for easements, as well as land acquisition. The Architectural/Engineering (A/E) Professional cost category is comprised of the architectural and engineering services generally related to planning or design. The Construction cost category reflects contractor and 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 following chart, construction costs represent $310 million, or approximately 72% of the total costs within the five-year period. Architectural and Engineering services represent approximately 8% or $33 million of the costs during this same period.

CIP Costs by Type of Activity



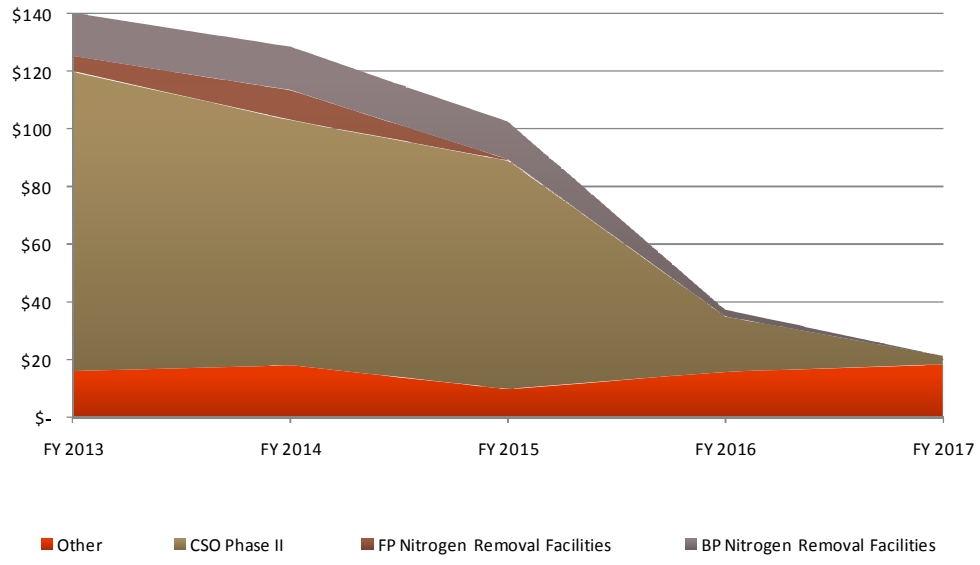
Significant Capital Improvement Projects

This year's CIP includes costs for the construction of three significant Capital Improvement Projects: the CSO Phase II Facilities, the nutrient removal facilities at the Field's Point Wastewater Treatment Facilities (WWTF) and nutrient removal at the Bucklin Point WWTF. Costs for these three projects during the five-year period total $351 million, or 82% of this year's CIP. Construction of the Field's Point nutrient removal facilities is currently underway. Construction of the CSO Phase II Facilities and the Bucklin Point nutrient removal facilities are scheduled to begin in FY 2012. NBC's investment in its other infrastructure projects is anticipated to remain fairly level in the near future as part of NBC's commitment to maintain its facilities. The following table and graph show the programmed expenditures for NBC's major projects and other smaller projects included in this year's CIP window.

Expenditures by Major Project
(In Thousands)

Project	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Total Costs FY 2013 - 2017	Percentage of Five-Year Costs
CSO Phase II Facilities	$ 103,901	$ 84,959	$ 79,188	$ 19,039	$ 2,900	$ 289,987	67%
FP Nitrogen Removal Facilities	5,297	10,309	361	-	-	15,966	4%
BP Nitrogen Removal Facilities	14,988	15,012	13,017	2,295	-	45,312	11%
Other	16,205	18,275	9,960	16,019	18,531	78,990	18%
Total	$ 140,390	$ 128,554	$ 102,526	$ 37,353	$ 21,431	$ 430,254	100%

Expenditures by Major Project
(Millions of $)



Project 303: CSO Phase II Facilities

The CSO Phase II Facilities are the second phase of the three phase federally mandated CSO Abatement Program. NBC completed the plans for CSO Phase II and submitted them to the Rhode Island Department of Environmental Management (RIDEM), in accordance with the schedule in the Consent Agreement between NBC and RIDEM.

Currently, final design of the CSO Phase II Facilities is 100% complete and NBC's Facilities Plan Reaffirmation was approved by RIDEM. The estimated cost for Phase II construction is approximately $290 million, or 67% of the total costs included in the five-year window of FY 2013-2017. This project has progressed to construction and has been separated into thirteen different construction projects based upon the tasks to be completed. The different project numbers and their titles are listed in the following table.

Project #	Project Description
Phase II CSO Facilities - Construction Project Assignment	
30301RS	Phase II CSO Facilities - Program & Construction Management
30302C	Phase II CSO Facilities - OF 106
30303C	Phase II CSO Facilities - WCSOI Main
30304C	Phase II CSO Facilities - SCSOI Main
30305C	Phase II CSO Facilities - OF 027
30306C	Phase II CSO Facilities - OF 037 West
30307C	Phase II CSO Facilities - OF 037 South
30308C	Phase II CSO Facilities - OF 037 North
30309C	Phase II CSO Facilities - WCSOI Regulator
30310C	Phase II CSO Facilities - WCSOI North
30311C	Phase II CSO Facilities - WCSOI West
30312C	Phase II CSO Facilities - SCSOI Regulator
30313C	Phase II CSO Facilities - WCSOI Site Demolition

The most significant component of the Phase II Facilities is the construction of two interceptors in the Field's Point Service Area. The Seekonk Interceptor will run approximately 8,000 feet along the Seekonk River (Projects 30304C and 30312C) and the Woonasquatucket Interceptor and adit will run approximately 19,900 feet along the Woonasquatucket River (Projects 30303C, 30309C, 30310C, and 30311C). These interceptors will eliminate discharge from approximately ten outfalls (OFs) for most storms. These flows will then be conveyed to the CSO Tunnel constructed in Phase I.

Phase II also includes two sewer separation projects on the East Side of Providence which will separate the sanitary flow from the storm water flow. A wetlands treatment facility will also be constructed in Central Falls consisting of a storage tank and created wetlands. For small storms, all the combined sewer flows will be stored in the tank until after the storm when it will be pumped to the interceptor. For larger storms, treatment will be provided by the wetland. This portion of the project, along with two other "green" projects, are eligible for "principal forgiveness" in addition to the traditional interest rate subsidy as part of NBC's March 28, 2011 borrowing from the Rhode Island Clean Water Finance Agency (RICWFA).

Project 308: CSO Phase III Facilities

The CSO Phase III Facilities represent the third and final phase of the federally mandated CSO Abatement Program required as part of a Consent Agreement between NBC and RIDEM. This phase includes the construction of a 13,000 foot long tunnel in Pawtucket along the Seekonk and Blackstone Rivers (shown to the left). This tunnel will store flows from three CSO Interceptors totaling approximately 14,500 feet in length, and two sewer separation projects. Flows from this tunnel will be conveyed to NBC's Bucklin Point WWTF for treatment. Total pre-design cost estimates are $603 million for the CSO Phase III Facilities. Design of the CSO Phase III Facilities represents approximately 7% or $29 million in this year's CIP window.

Nitrogen Removal at Field's Point and Bucklin Point

In accordance with terms of the Consent Agreement between NBC and RIDEM, NBC is required to attain a seasonal total nitrogen limit of 5 mg/l from May to October at the Field's Point and Bucklin Point wastewater treatment facilities.

Field's Point

The project cost estimate for the Field's Point nitrogen removal facilities and related upgrades (Project 109) is $72 million. The project is being funded through $57 million in financing through the Federal American Recovery and Reinvestment Act (ARRA). The ARRA program, administered through the RICWFA, includes a "principal forgiveness" component of approximately 15% or $8.5 million in addition to the traditional interest rate subsidy.

Currently, construction of the nitrogen removal facilities and operations building is approximately 43% complete and on schedule. As part of this project, the ten existing aeration basins are being modified with concrete walls (footings shown above) in order to provide four zones and accommodate the diffusers for the Integrated Fixed Film Activated Sludge

(IFAS) process. The existing blower building has also been modified for nine new turbo blowers, which will provide aeration for the nitrogen removal process. A new electrical room has been constructed and is currently being equipped with the conduit and wiring necessary to operate these new blowers.

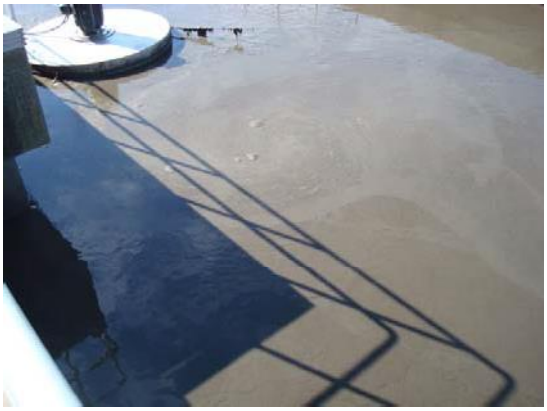
The construction of the new Operations building is well under way and the exterior brick work is complete (shown to the left). Currently, electrical conduit, wiring, heating and air conditioning, and fire sprinkler piping are being installed throughout the interior. This building will house the computer control systems for the Biological Nutrient Removal (BNR) Facilities, wastewater operations at Field's Point, the Tunnel Pump Station, and the Ernest Street Pump Station.

As part of this project, a new screenings facility was built to eliminate the fine solids from the flow prior to entering the aeration tanks. The screw lift pumps (shown below) were replaced and new piping was installed to improve the distribution of the return activated sludge (RAS), before entering the aeration tanks. Tanks and effluent pumps will be installed for the chemical addition of carbon and alkalinity needed for the BNR process.

Throughout the construction period, significant structural and mechanical changes are being made to the plant, without disruption to the 24 hour day to day operations. In order to achieve the mandated nitrification / denitrification limits, it will be necessary to install and furnish a variety of wastewater treatment equipment, process piping, electrical components and controls. Upgrades will be made to the current electrical service in order to provide the additional power needed for BNR and a new backup generator will be connected to ensure a constant power supply.

Bucklin Point

NBC's facilities at Bucklin Point were designed to achieve a total nitrogen level of 8 mg/l, but subsequent to the completion of construction for these facilities, RIDEM established a seasonal total nitrogen limit of 5 mg/l. NBC has completed the design for the new and upgraded facilities. The final design plans and specifications were submitted to RIDEM on December 22, 2010.



The construction cost estimate for the Bucklin Point nitrogen removal facilities (Project 809), is $53 million. This estimate has been revised from last year's CIP based upon the completion of final design. This project will upgrade the existing BNR processes at Bucklin Point. The current

two stage aeration tanks will be reconfigured to a four stage process with one additional anoxic zone and one additional aerobic zone. A number of existing process operations will be upgraded and a new chemical addition system for supplemental carbon will be constructed.

Other Capital Projects

Green Technologies

A renewable energy source may be considered a green technology or "green" if it does not produce greenhouse gases or otherwise adversely impact the environment or compromise the ability for future generations to meet their energy needs. NBC currently has two projects that meet these criteria.

NBC's Wind Turbine energy project at Field's Point (Project 121) will convert wind energy into electricity using three 1.5 mega-watt turbines. This project is expected to generate clean sustainable energy for use on-site for wastewater treatment operations. In addition to reducing greenhouse gas emissions, the wind turbines will help stabilize energy related operating costs. The project is expected to cost approximately $14.9 million.

At Bucklin Point, NBC uses a process called anaerobic digestion to treat and stabilize biosolids from the wastewater treatment process. Here the biosolids are placed in large heated digester tanks (shown to the left) and allowed to biologically decompose in the absence of oxygen, generating a methane rich biogas byproduct suitable for energy recovery.

NBC currently uses about 50% of this biogas in an on-site heat exchanger to supply heat to the anaerobic digestion tanks. The remaining biogas is flared as waste. Using a combined heat and power system NBC will burn all the biogas in a reciprocating engine, such as the one shown below, to generate both electricity and heat energy for use within the wastewater treatment facility. This process will reduce NBC's dependency on fossil fuel generated electricity and will reduce NBC's carbon foot print through the efficient use of this readily available renewable fuel. Estimated construction costs (Project 120) are approximately $2.4 million.

Capital Improvement Program Changes

Completed Projects

Above: An improvement project near Central Avenue.

This CIP includes projects that demonstrate NBC's continued commitment to annually clean and inspect NBC's interceptors. Through this initiative, NBC is able to program its maintenance expenditures in an efficient manner. These projects allow NBC to protect its infrastructure, maximize flow capacity, and provide for the health and safety of the public. In this year's CIP, NBC allocates $1.5 million annually to interceptor construction and repairs and $500 thousand annually to interceptor inspection and cleaning. As improvement projects are identified through the inspection process they are funded from the annual allocation.

Of the three projects completed last year, the majority or 57% of the expenditures were related to the Flow Control Efficiencies at the Field's Point Wastewater Treatment Facility. The Sewer System Improvement and Interceptor Inspection and Cleaning functional areas accounted for remaining 43% of the completed project expenditures. The following table summarizes the completed projects and their total costs.

Completed Project #	Completed Project Description	Total Costs (In thousands)
Wastewater Treatment Facility Improvements		
12200C	FPWWTF Flow Control Efficiencies	$ 1,363
	Subtotal - Wastewater Treatment Facility Improvements	1,363
Sewer System Improvement		
70500C	Central Avenue Pump Station - Construction	783
	Subtotal - Sewer System Improvement	783
CSO Interceptor Inspection and Cleaning		
30419M	Pleasant Valley Parkway Interceptor Inspection and Cleaning	247
	Subtotal - CSO Interceptor Inspection and Cleaning	247
	Total Completed Projects	$ 2,393

New Projects

This year's CIP identifies one new interceptor repair and construction capital project. Project 30454C Branch Avenue Interceptor Improvement will line approximately 4,200 linear foot of sewer pipe and rehabilitate 35

manholes. The funds were reallocated to this project from the interceptor repair and construction placeholder. The project and estimated costs are outlined in the following table.

Project #	Project Description	Estimated Cost (In thousands)
New Projects:		
30454C	Branch Avenue Interceptor Improvement	$ 1,887
	Subtotal - New Projects	1,887
	Total New Projects	$ 1,887

Capital Improvement Program Funding

NBC recognizes the importance of planning for capital expenditures in the context of overall financial management. NBC is committed to obtaining the lowest cost of financing in order to minimize ratepayer impact, while ensuring compliance with regulatory constraints. NBC is authorized to issue debt to finance its CIP and uses a Long-Term Financial Model to identify capital funding needs and sources and to project debt issuance.

NBC maximizes its borrowing from the Rhode Island Clean Water Finance Agency (RICWFA) to the extent that there are loans available. The RICWFA, through the State Revolving Fund Program (SRF) provides interest rate subsidies on loans for eligible projects.
Other factors that must be considered include:

- NBC is regulated by the Rhode Island Public Utilities Commission (PUC) and the PUC has restricted the use of the prior year debt service coverage allowance to fund only operating capital and capital projects, as well as the Reserve for Revenue Stability Fund.
- NBC must take into consideration arbitrage expenditure requirements to avoid financial penalties.
- There are restrictions on the types of expenditures that may be financed through SRF. For example, land may not be financed through SRF, and only projects that have been approved by RIDEM and are reachable on the RIDEM's project priority list are eligible for SRF funding.
- NBC must also expend and manage its resources in accordance with NBC's Trust Indenture and Fourteen Supplemental Indentures.

Impact of the CIP on the Operating Budget

The primary impact of the CIP on the Operating Budget is the payment of the debt service in the form of principal and interest. The debt service and user fee projections associated with financing this CIP are identified in the Long-Term Debt Overview section of the Operating Budget.

Although the CIP's primary impact on the Operating Budget is debt service, certain capital improvements will also directly impact operating costs. These expenditures relate to the operation of the completed capital

improvements and will be incorporated into the operating budget. In this CIP, NBC engineers have identified seven capital projects that will impact NBC's operating budget once they become operational. There are two "green" capital projects that will offer cost savings and will offset the operating impact.

The table below illustrates the percentage impact by project, in FY 2013 based on the current year's draft operating budget.

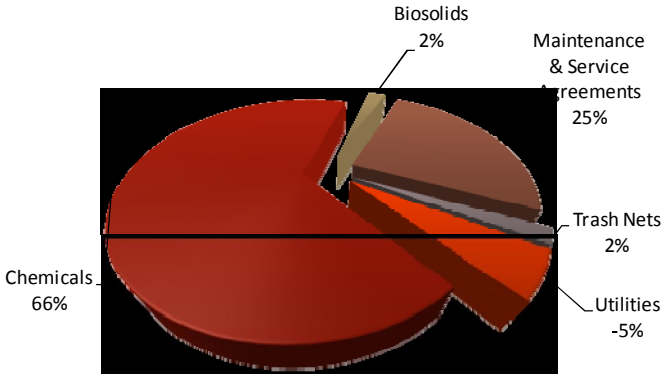
CIP Impact on Operations & Maintenance (O&M) Budget (In thousands)

CIP Project Name	FY 2013	Percentage of Impact on O&M Budget*
FPWWTF Nitrogen Removal Facilities	$ 1,546	4.17%
Regulatory Compliance Building	-	0.00%
BPWWTF Biogas Reuse	-	0.00%
FPWWTF Wind Turbine	(799)	-2.16%
CSO Phase II Facilities	-	0.00%
Floatables Control Facilities	10	0.03%
BPWWTF Nitrogen Removal Facilities	-	0.00%
Total	**$ 757**	**2.04%**

* Based on FY 2012 Draft Operating Budget

These annual expenses are related to chemicals, maintenance & service agreements, biosolids disposal, trash nets, and utilities. The graph below shows the percentage of the impacts related to the operational costs over the CIP window. The majority or 66%, of the impact is related to chemical costs related to the nitrogen removal facilities. Maintenance and service agreements represent 25% of the impact, while biosolids disposal and trash nets account for 2% respectively. While the utility impact of the Nitrogen Removal Facilities at each of the wastewater treatment facilities, the Regulatory Compliance Building, and the CSO Phase II Facilities are major, they are entirely reduced by the FPWWTF Wind Turbine and the BPWWTF Biogas Reuse projects. These two projects will generate energy to be used at the wastewater facilities, resulting in cost savings or a 5% reduction to the overall utility expenditures.

CIP Impact by Element of Operating Expense
(In thousands)



The annual operational costs for the Field's Point Nitrogen Removal Project will have the highest annual operating impact of the seven projects; whereas the BPWWTF Biogas and the FPWWTF Wind Turbine have the contrary effect on the overall expenditures. The following table provides additional detail related to the operational costs of the CIP projects.

CIP Impact on Operating Budget
(In thousands)

Project Name	Expenditure Type	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
FPWWTF Nitrogen Removal Facilities						
	Utilities	$ 976	$ 1,006	$ 1,036	$ 1,067	$ 1,099
	Chemicals	566	583	600	618	637
	Screenings & Grit Disposal	2	2	2	2	2
	Water	2	2	2	2	3
	Subtotal	1,546	1,592	1,640	1,689	1,740
Regulatory Compliance Building						
	Utilities	-	-	77	80	83
	Subtotal	-	-	77	80	83
BPWWTF Biogas Reuse						
	Maintenance & Service Agreements	-	260	260	260	260
	Utilities	-	(486)	(505)	(526)	(546)
	Subtotal	-	(226)	(245)	(266)	(286)
FPWWTF Wind Turbine						
	Maintenance & Service Agreements	-	-	100	100	100
	Utilities	(799)	(799)	(799)	(799)	(799)
	Subtotal	(799)	(799)	(699)	(699)	(699)
CSO Phase II Facilities						
	Biosolids Disposal	-	-	21	43	48
	Utilities	-	-	21	43	45
	Maintenance & Service Agreements	-	-	5	10	11
	Subtotal	-	-	47	96	104
Floatable Control Facilities						
	Trash Nets	10	21	22	24	25
	Subtotal	10	21	22	24	25
BPWWTF Nitrogen Removal Facilities						
	Utilities	-	-	72	75	78
	Chemicals	-	-	190	198	205
	Subtotal	-	-	262	273	283
	Total Impact on Operating Budget	**$ 757**	**$ 588**	**$ 1,104**	**$ 1,197**	**$ 1,250**

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Capital Project Cost Summary

Capital Project Cost Summary

Project Number	Project Name	Project Priortiy	Pre-Fiscal Year 2012	Fiscal Year 2012	Fiscal Years 2013 - 2017	Post-Fiscal Year 2017	Total Estimated Project Cost
Wastewater Treatment Facility Improvements							
10901D	FPWWTF - Nitrogen Removal Facilities - Design	A	$ 4,925	$ 1,881	$ -	$ -	$ 6,806
10901C	FPWWTF - Nitrogen Removal Facilities - Construction	A	38,523	17,300	15,966	-	71,789
11900D	Regulatory Compliance Building - Design	B	1,561	1,427	-	-	2,988
11900C	Regulatory Compliance Building - Construction	B	-	7	18,301	-	18,308
12000D	BPWWTF - Biogas Reuse - Design	C	173	277	-	-	450
12000C	BPWWTF - Biogas Reuse - Construction	C	-	10	2,353	-	2,363
12100C	FPWWTF - Wind Turbine - Construction	C	2,970	10,569	1,374	-	14,913
12300C	NBC Fire Code Compliance	A	12	81	-	-	93
12400D	New IM Facilities - Design	C	-	-	557	-	557
12400C	New IM Facilities - Construction	C	-	-	6,052	-	6,052
80900D	BPWWTF - Nitrogen Removal Facilities - Design	A	2,797	646	-	-	3,444
80900C	BPWWTF - Nitrogen Removal Facilities - Construction	A	-	7,376	45,312	-	52,688
	Subtotal - Wastewater Treatment Facility Improvements		$ 50,962	$ 39,574	$ 89,915	$ -	$ 180,451
Infrastructure Management							
1100000	Site Specific Study	A	$ 211	$ -	$ 246	$ -	$ 457
1140100	River Model Development	C	243	135	-	-	378
30221D	Hydraulic Systems Modeling - Design	C	6	126	195	-	327
30438D	Interceptor Easements - Design	A	542	232	-	-	775
30438C	Interceptor Easements - Construction	A	-	-	612	-	612
30500D	NBC Interceptor Easements - Design	B	-	321	2,614	-	2,935
30500C	NBC Interceptor Easements - Construction	B	-	-	2,497	-	2,497
30501D	Interceptor Easements - NBC BVI Design	A	107	525	-	-	631
30501C	Interceptor Easements - NBC BVI Construction	A	-	-	730	-	730
30700	NBC System-wide Facilities Planning	B	-	3	1,389	-	1,392
	Subtotal - Infrastructure Management		$ 1,109	$ 1,343	$ 8,283	$ -	$ 10,735
Phase II CSO Facilities							
Phase II CSO Facilities - Design							
30301D	Phase II CSO Facilities - Design	A	$ 15,364	$ 4,428	$ -	$ -	$ 19,791
	Subtotal - Phase II CSO Facilities - Design		$ 15,364	$ 4,428	$ -	$ -	$ 19,791
Phase II CSO Facilities - Construction							
30301RS	Phase II CSO Facilities - Program & Construction Management	A	$ 1,477	$ 4,800	$ 24,038	$ -	$ 30,315
30302C	Phase II CSO Facilities - OF 106	A	-	1,642	8,555	-	10,197
30303C	Phase II CSO Facilities - WCSOI Main	A	-	9,437	106,895	-	116,332
30304C	Phase II CSO Facilities - SCSOI Main	A	-	32	73,547	-	73,579
30305C	Phase II CSO Facilities - OF 027	A	27	4,710	6,675	-	11,412
30306C	Phase II CSO Facilities - OF 037 West	A	22	14,784	9,802	-	24,608
30307C	Phase II CSO Facilities - OF 037 South	A	-	-	15,127	-	15,127
30308C	Phase II CSO Facilities - OF 037 North	A	-	-	15,127	-	15,127
30309C	Phase II CSO Facilities - WCSOI Regulator	A	15	1,058	23	-	1,096
30310C	Phase II CSO Facilities - WCSOI North	A	-	5,248	18,752	-	24,000
30311C	Phase II CSO Facilities - WCSOI West	A	8	8,484	9,585	-	18,076
30312C	Phase II CSO Facilities - SCSOI Regulator	A	-	694	1,836	-	2,530
30313C	Phase II CSO Facilities - WCSOI Site Demolition	A	-	641	26	-	667
	Subtotal - Phase II CSO Facilities - Construction		$ 1,549	$ 51,530	$ 289,987	$ -	$ 343,065
Phase III CSO Facilities							
30800D	Phase III CSO Facilities - Design	A	$ -	$ -	$ 28,713	$ 8,299	$ 37,012
30800C	Phase III CSO Facilities - Construction	A	-	-	-	565,950	565,950
	Subtotal - Phase III CSO Facilities		$ -	$ -	$ 28,713	$ 574,249	$ 602,962

Capital Project Cost Summary

Project Number	Project Name	Project Priortiy	Pre-Fiscal Year 2012	Fiscal Year 2012	Fiscal Years 2013 - 2017	Post-Fiscal Year 2017	Total Estimated Project Cost
Sewer System Improvements							
70600C	Omega Pump Station Rack Room - Construction	B	$ 64	$ 68	$ -	$ -	$ 133
70700C	Lincoln Septage Station - Lakeside Unit Replacement	A	406	206	-	-	612
	Subtotal - Sewer System Improvements		$ 471	$ 274	$ -	$ -	$ 745
Floatables Control Facilities							
30600D	Floatables Control Facilities - Design	A	$ 657	$ 76	$ -	$ -	$ 733
30600C	Floatables Control Facilities - Construction	A	2	1,261	1,399	-	2,662
	Subtotal - Floatables Control Facilities		$ 659	$ 1,336	$ 1,399	$ -	$ 3,395
CSO Interceptor Inspection and Cleaning							
30400M	Inspection & Cleaning of CSO Interceptors	B	$ -	$ 25	$ 2,500	$ 500	$ 3,025
30430M	Woonasquatucket Interceptor along Route 10 Inspection and Cleaning	B	-	310	-	-	310
30435M	East Providence Interceptor Inspection and Cleaning	B	-	165	-	-	165
	Subtotal - CSO Interceptor Inspection and		$ -	$ 500	$ 2,500	$ 500	$ 3,500
CSO Interceptor Repair and Construction							
30400C	Repair and Construction of CSO Interceptors	B	$ -	$ 168	$ 4,400	$ 1,500	$ 6,068
30421C	Louisquissett Pike Interceptor Replacement- Construction	C	-	-	2,382	-	2,382
30444D	Moshassuck Valley Interceptor - Design	C	-	160	152	-	312
30444C	Moshassuck Valley Interceptor - Construction	C		-	2,373	-	2,373
30453C	Improvements to NBC Interceptors FY 2010	A	514	188	-	-	702
30454C	Branch Avenue Interceptor Improvement	A	753	984	150	-	1,887
	Subtotal - CSO Interceptor Repair and		$ 1,267	$ 1,500	$ 9,457	$ 1,500	$ 13,724
Total Capital Improvement Program			$ 71,380	$ 100,484	$ 430,254	$ 576,249	$ 1,178,367

Note: Cash Flow Basis in Thousands

Category	Project Priority
A	Mandated, emergency, or under construction, etc.
B	Not mandated but project is imperative to ongoing operation of facilities
C	Project is important but not critical to ongoing operations

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Wastewater Treatment Facility Improvements

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10901
FPWWTF - Nitrogen Removal Facilities

The RIPDES permit for Field's Point requires a nitrogen limit of 5 mg/l, from May to October. This project will modify the existing aeration basins to accomodate an Integrated Fixed Film Media process. The operational cost estimate for the utility, chemical and maintenance costs associated with the operation of the new nitrogen removal facilities is approximately $1.5 million in FY 2013.

Photo: Newly constructed Operations building.

Project Overview:

Location: Field's Point WWTF (Providence, RI)
Contractor(s): Daniel O'Connell's Sons
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	April-01	May-07	75 Months	$872
Design	February-07	September-11	57 Months	6,806
Construction	March-09	March-15	74 Months	71,789
Total Project	**April-01**	**March-15**	**170 Months**	**$79,467**

Projected Expenditures - 10901P

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 392	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 392
A/E Professional	413	-	-	-	-	-	-	-	413
Other	67	-	-	-	-	-	-	-	67
Total Project Costs	$ 872	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 872

Projected Expenditures - 10901D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 448	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 448
Land	20	1,881	-	-	-	-	-	-	1,900
A/E Professional	4,396	-	-	-	-	-	-	-	4,396
Other	62	-	-	-	-	-	-	-	62
Total Project Costs	$ 4,925	$ 1,881	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,806

Projected Expenditures - 10901C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 1,157	$ 600	$ 568	$ 300	$ 2	$ -	$ -	$ -	$ 2,627
Land	-	-	-	-	-	-	-	-	-
A/E Professional	1,991	900	732	511	84	-	-	-	4,218
Construction	35,177	15,590	3,639	268	275	-	-	-	54,948
Contingency	-	-	-	9,229	-	-	-	-	9,229
Other	198	211	358	-	-	-	-	-	767
Total Project Costs	$ 38,523	$17,300	$ 5,297	$ 10,309	$ 361	$ -	$ -	$ -	$ 71,789

Note: Cash Flow Basis in Thousands

11900
NBC Regulatory Compliance Building and Related Upgrades

This project will plan, design, and construct a Regulatory Compliance Building, which will house the Pretreatment, EMDA, and Laboratory sections of the NBC. This building will unify NBC's efforts for environmental sampling and related analysis. The building is anticipated to be approximately 35,000 square feet and will be located on Service Road in Providence. This project also includes related site demolition.

Photo: An architect's proposed Regulatory Compliance Building.

Project Overview:

Location: Service Road (Providence, RI)
Contractor(s): CDM
Project Manager: Tom Brueckner, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	September-08	June-09	20 Months	$323
Design	September-10	April-12	20 Months	2,988
Construction	June-12	May-15	36 Months	18,308
Total Project	**September-08**	**May-15**	**82 Months**	**$21,619**

Projected Expenditures - 11900P

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 132	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 132
A/E Professional	191	-	-	-	-	-	-	-	191
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ 323	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 323

Projected Expenditures - 11900D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 45	$ 78	$ -	$ -	$ -	$ -	$ -	$ -	$ 123
Land	1,303	12	-	-	-	-	-	-	1,315
A/E Professional	121	1,319	-	-	-	-	-	-	1,440
Other	92	18	-	-	-	-	-	-	110
Total Project Costs	$ 1,561	$ 1,427	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,988

Projected Expenditures - 11900C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 2	$ 231	$ 325	$ 5	$ -	$ -	$ -	$ 563
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	175	200	-	-	-	-	375
Construction	-	-	5,510	9,215	775	-	-	-	15,500
Contingency	-	-	-	1,860	-	-	-	-	1,860
Other	-	5	-	5	-	-	-	-	10
Total Project Costs	$ -	$ 7	$ 5,916	$ 11,605	$ 780	$ -	$ -	$ -	$ 18,308

Note: Cash Flow Basis in Thousands

12000
BPWWTF Biogas Reuse

NBC is investigating the feasibility of converting methane biogas generated within the biosolids anaerobic digestion tanks at the Bucklin Point WWTF into electricity, using a reciprocating engine. Preliminary studies anticipate that this system could produce significant electrical cost savings at Bucklin Point.

Photo: A Caterpillar reciprocating engine

Project Overview:

Location: Bucklin Point WWTF (East Providence, RI)
Contractor(s): Brown & Caldwell
Project Manager: Kathryn Kelly, P.E.
Project Priority: C

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	June-07	December-09	31 Months	$46
Design	April-10	November-11	20 Months	450
Construction	January-12	July-13	18 Months	2,363
Total Project	**June-07**	**July-13**	**74 Months**	**$2,859**

Projected Expenditures - 12000P

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 22	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 22
A/E Professional	23	-	-	-	-	-	-	-	23
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ 46	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 46

Projected Expenditures - 12000D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 32	$ 18	$ -	$ -	$ -	$ -	$ -	$ -	$ 50
Land	-	-	-	-	-	-	-	-	-
A/E Professional	118	249	-	-	-	-	-	-	367
Other	23	10	-	-	-	-	-	-	33
Total Project Costs	$ 173	$ 277	$ -	$ -	$ -	$ -	$ -	$ -	$ 450

Projected Expenditures - 12000C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 10	$ 35	$ 3	$ -	$ -	$ -	$ -	$ 48
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	46	4	-	-	-	-	50
Construction	-	-	1,825	175	-	-	-	-	2,000
Contingency	-	-	-	240	-	-	-	-	240
Other	-	-	25	-	-	-	-	-	25
Total Project Costs	$ -	$ 10	$ 1,931	$ 422	$ -	$ -	$ -	$ -	$ 2,363

Note: Cash Flow Basis in Thousands

12100
FPWWTF Wind Turbine

NBC has investigated the feasibility of converting wind energy into electricity using three Mega-Watt (MW) Class Wind Turbines at the Field's Point WWTF. The NBC has determined that it is feasible to construct three 1.5 Mega-Watt Wind Turbines at the FPWWTF, utilizing a Design/ Build procurement method.

Photo: Assembly of a pre-built wind turbine

Project Overview:

Location: Field's Point WWTF (Providence, RI)
Contractor(s): Gilbane
Project Manager: Rich Bernier, P.E.
Project Priority: C

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	December-06	December-09	38 Months	$41
Design	N/A	N/A	N/A	N/A
Construction	October-10	June-14	45 Months	14,913
Total Project	**December-06**	**June-14**	**91 Months**	**$14,954**

Projected Expenditures - 12100P

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 25
A/E Professional	-	-	-	-	-	-	-	-	-
Other	15	-	-	-	-	-	-	-	15
Total Project Costs	$ 41	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 41

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 12100C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 144	$ 79	$ -	$ -	$ -	$ -	$ -	$ -	$ 223
Land	-	-	-	-	-	-	-	-	-
A/E Professional	29	-	-	-	-	-	-	-	29
Construction	2,676	8,950	443	100	-	-	-	-	12,169
Contingency	-	1,490	831	-	-	-	-	-	2,321
Other	121	50	-	-	-	-	-	-	171
Total Project Costs	$ 2,970	$10,569	$ 1,274	$ 100	$ -	$ -	$ -	$ -	$ 14,913

Note: Cash Flow Basis in Thousands

12300C
NBC Fire Code Compliance

Recent inspections by the State Fire Marshal to determine compliance with the new state fire code have identified some deficiencies at several NBC owned buildings. This project is for improvements necessary to correct the deficiencies.

Photo: An existing fire alarm panel from one of NBC's buildings

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Terry Cote, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	April-11	December-11	8 Months	$93
Total Project	**April-11**	**December-11**	**8 Months**	**$93**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 12300C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 12	$ 4	$ -	$ -	$ -	$ -	$ -	$ -	$ 16
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	60	-	-	-	-	-	-	60
Contingency	-	7	-	-	-	-	-	-	7
Other	-	10	-	-	-	-	-	-	10
Total Project Costs	$ 12	$ 81	$ -	$ -	$ -	$ -	$ -	$ -	$ 93

Note: Cash Flow Basis in Thousands

12400
New IM Facilities

Design and constuction of a new building will be needed when the IM responsibilities are increased.

The building will include administrative area and garage area with storage yard.

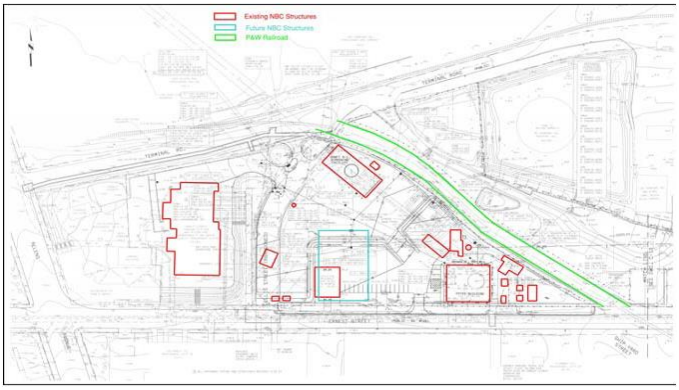

Photo: Proposed Site for New IM Building

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: C

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	January-13	June-14	15 Months	$557
Construction	May-14	August-16	28 Months	6,052
Total Project	**January-13**	**August-16**	**40Months**	**$6,609**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 12400D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 9	$ 28	$ -	$ -	$ -	$ -	$ 37
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	500	-	-	-	-	500
Other	-	-	-	20	-	-	-	-	20
Total Project Costs	$ -	$ -	$ 9	$ 548	$ -	$ -	$ -	$ -	$ 557

Projected Expenditures - 12400C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ 7	$ 290	$ 50	$ 5	$ -	$ 352
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	50	-	-	-	50
Construction	-	-	-	-	4,700	250	50	-	5,000
Contingency	-	-	-	-	-	600	-	-	600
Other	-	-	-	-	-	50	-	-	50
Total Project Costs	$ -	$ -	$ -	$ 7	$ 5,040	$ 950	$ 55	$ -	$ 6,052

Note: Cash Flow Basis in Thousands

80900
BPWWTF Nitrogen Removal Facilities

NBC's facilities at Bucklin Point were designed to achieve a nitrogen level of 8 mg/l, but subsequent to the completion of construction, RIDEM established a permit nitrogen limit of 5 mg/l. NBC's Draft Facilities Plan Amendment recommended upgrading the existing Biological Nutrient Removal (BNR) process to achieve the new nitrogen limit. It also recommended other improvements for unit operations. This project is for the planning, design, and construction of these facilities.

Photo: Aerial view of the BPWWTF

Project Overview:

Location: Bucklin Point WWTF (East Providence, RI)
Contractor(s): Camp Dresser & McKee
Project Manager: Terry Cote, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	July-07	September-09	26 Months	$260
Design	April-10	November-11	19 Months	3,444
Construction	June-11	November-15	54 Months	52,688
Total Project	**July-07**	**November-15**	**101 Months**	**$56,392**

Projected Expenditures - 80900P

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 57	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 57
A/E Professional	203	-	-	-	-	-	-	-	203
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ 260	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 260

Projected Expenditures - 80900D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 175	$ 25	$ -	$ -	$ -	$ -	$ -	$ -	$ 200
Land	-	-	-	-	-	-	-	-	-
A/E Professional	2,531	578	-	-	-	-	-	-	3,108
Other	91	44	-	-	-	-	-	-	136
Total Project Costs	$ 2,797	$ 646	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,444

Projected Expenditures - 80900C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 56	$ 348	$ 348	$ 174	$ -	$ -	$ -	$ 926
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	54	108	114	60	-	-	-	336
Construction	-	7,266	14,532	14,532	7,275	2,295	-	-	45,900
Contingency	-	-	-	-	5,508	-	-	-	5,508
Other	-	-	-	18	-	-	-	-	18
Total Project Costs	$ -	$ 7,376	$ 14,988	$ 15,012	$ 13,017	$ 2,295	$ -	$ -	$ 52,688

Note: Cash Flow Basis in Thousands

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Infrastructure Management

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1100000
Site Specific Study

The Site Specific Study required by NBC's RIPDES permit was completed in FY 2003 and final results were submitted to RIDEM in FY 2004. This study characterized the level of dissolved and total metals in the receiving waters at both Field's Point and Bucklin Point. The data obtained from this study was used for project 1140100, as well as by NBC and RIDEM in the joint development of new discharge permits and consent agreements for both plants. RIDEM is currently developing new RIPDES permits for each WWTF. As a result, new studies may be required as part of the re-permitting process.

Photo: The RV Monitor, NBC's sampling vessel

Project Overview:

Location: Field's Point WWTF (Providence, RI)
Contractor(s): N/A
Project Manager: John Motta
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	November-01	June-13	142 Months	$457
Construction	N/A	N/A	N/A	N/A
Total Project	**November-01**	**June-13**	**142 Months**	**$457**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 1100000

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 16	$ -	$ 234	$ -	$ -	$ -	$ -	$ -	$ 250
Land	-	-	-	-	-	-	-	-	-
A/E Professional	163	-	6	-	-	-	-	-	169
Other	33	-	5	-	-	-	-	-	38
Total Project Costs	$ 211	$ -	$ 246	$ -	$ -	$ -	$ -	$ -	$ 457

Projected Expenditures - Construction

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Note: Cash Flow Basis in Thousands

1140100
River Model Development

NBC has partnered with the University of Rhode Island (URI) Graduate School of Oceanography to develop a Regional Ocean Management System (ROMS) model of circulation and transport within the Providence and Seekonk Rivers and Upper Narragansett Bay. The ROMS model will run under varying conditions and loadings to determine the impact of nitrogen loads on the receiving waters. This analysis will assist in determining the affect of nitrogen discharge from NBC's two wastewater treatment facilities on receiving water quality.

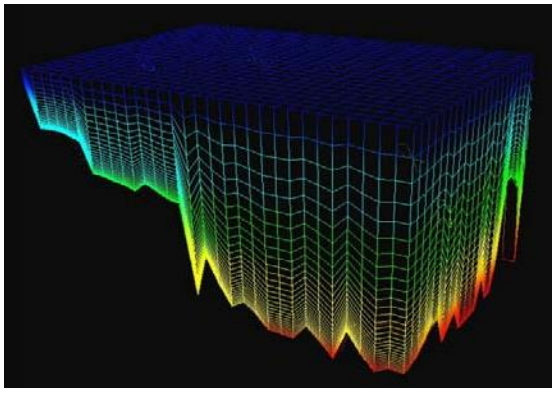

Photo: ROMS 3D grid boxes follow the shape of the coastline and represent the volume of Narragansett Bay.

Project Overview:

Location: Field's Point WWTF (Providence, RI)
Contractor(s): University of RI, Graduate School of Oceanography
Project Manager: Tom Brueckner, P.E.
Project Priority: C

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	March-05	January-12	83 Months	$378
Construction	N/A	N/A	N/A	N/A
Total Project	**March-05**	**January-12**	**83 Months**	**$378**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 1140100

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 35	$ 6	$ -	$ -	$ -	$ -	$ -	$ -	$ 41
Land	-	-	-	-	-	-	-	-	-
A/E Professional	165	5	-	-	-	-	-	-	170
Other	43	124	-	-	-	-	-	-	167
Total Project Costs	$ 243	$ 135	$ -	$ -	$ -	$ -	$ -	$ -	$ 378

Projected Expenditures - Construction

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Note: Cash Flow Basis in Thousands

30221
Hydraulic Systems Modeling

This project involves the updating of a sewer system model that will allow NBC to determine the impact of future development and other changes to the sewer system flows. This information can then be used to determine where there is insufficient capacity, in accordance with the CMOM requirements established by the EPA.

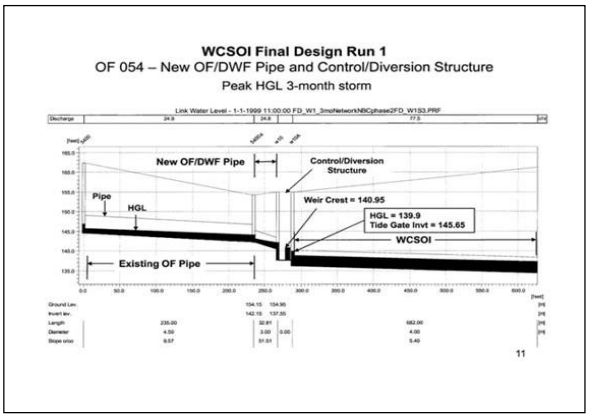

Photo: A graphic depicting the output from the WCSOI model.

Project Overview:

Location: Narragansett Bay Commission Service Area
Contractor(s): N/A
Project Manager: Kathryn Kelly, P.E.
Project Priority: C

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	June-06	December-10	48 Months	$75
Design	May-11	December-12	19 Months	327
Construction	N/A	N/A	N/A	N/A
Total Project	**June-06**	**December-12**	**67 Months**	**$402**

Projected Expenditures - 30221P

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 13	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13
A/E Professional	59	-	-	-	-	-	-	-	59
Other	2	-	-	-	-	-	-	-	2
Total Project Costs	$ 75	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 75

Projected Expenditures - 30221D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 6	$ 20	$ 26	$ -	$ -	$ -	$ -	$ -	$ 52
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	106	144	-	-	-	-	-	250
Other	-	-	25	-	-	-	-	-	25
Total Project Costs	$ 6	$ 126	$ 195	$ -	$ -	$ -	$ -	$ -	$ 327

Projected Expenditures - Construction

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Note: Cash Flow Basis in Thousands

30438
Interceptor Easements

Much of the NBC sewer system in Cumberland is located in easements that cross private property. NBC is presently evaluating these easements, as to whether the access to the easements is sufficient for access and maintenance. This project is for an evaluation of the Abbott Valley Interceptor easements. Upon completion of the evalaution, the easements will be cleared and access provided as necessary under the construction phase of this project.

Photo: Cumberland sewer system easement locations

Project Overview:

Location: Cumberland, RI
Contractor(s): VHB
Project Manager: Thomas Brueckner, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	June-06	April-12	71 Months	$775
Construction	July-12	July-13	12 Months	612
Total Project	**June-06**	**July-13**	**86 Months**	**$1,387**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30438D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 149	$ 59	$ -	$ -	$ -	$ -	$ -	$ -	$ 208
Land	3	150	-	-	-	-	-	-	153
A/E Professional	388	21	-	-	-	-	-	-	409
Other	2	3	-	-	-	-	-	-	5
Total Project Costs	$ 542	$ 232	$ -	$ -	$ -	$ -	$ -	$ -	$ 775

Projected Expenditures - 30438C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 29	$ 3	$ -	$ -	$ -	$ -	$ 32
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	420	80	-	-	-	-	500
Contingency	-	-	-	60	-	-	-	-	60
Other	-	-	15	5	-	-	-	-	20
Total Project Costs	$ -	$ -	$ 464	$ 148	$ -	$ -	$ -	$ -	$ 612

Note: Cash Flow Basis in Thousands

30500
NBC Interceptor Easements

Many of NBC's interceptors are located in overland areas that run through private property. It is difficult to access these easements due to the terrain and vegetative growth. Many areas have become overgrown and the sewer is difficult to locate. The easements will be located through field survey and then cleared sufficiently to provide access for maintenance crews and equipment. Project 30500 will continue NBC's efforts to locate the interceptors and easements in each of the communities within the NBC service area. As the field surveys begin for the remaining cities and towns, each will be given a unique project number and draw funding from Project 30500.

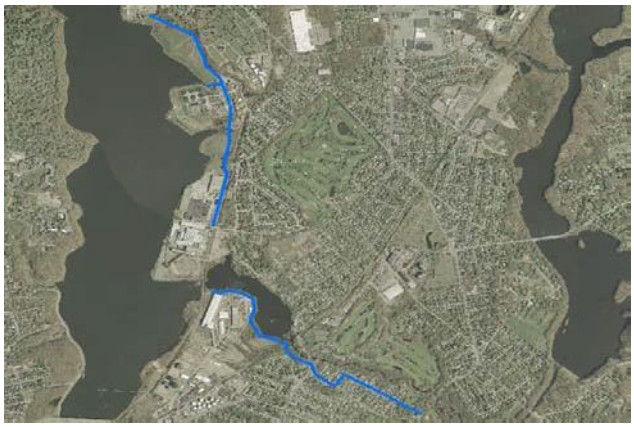

Photo: Proposed area for the East Providence capacity analysis

Project Overview:

Location: Narragansett Bay Commission Service Area
Contractor(s): N/A
Project Manager: Tom Brueckner, P.E.
Project Priority: B

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	January-12	January-15	37 Months	$2,935
Construction	February-13	January-16	35 Months	2,497
Total Project	**January-12**	**January-16**	**42 Months**	**$5,432**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30500D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 21	$ 80	$ 83	$ 72	$ -	$ -	$ -	$ 256
Land	-	-	500	300	300	-	-	-	1,100
A/E Professional	-	300	420	480	360	-	-	-	1,560
Other	-	-	6	6	7	-	-	-	19
Total Project Costs	$ -	$ 321	$ 1,006	$ 869	$ 739	$ -	$ -	$ -	$ 2,935

Projected Expenditures - 30500C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 2	$ 45	$ 50	$ 48	$ -	$ -	$ 145
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	700	700	700	-	-	2,100
Contingency	-	-	-	84	84	84	-	-	252
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ 2	$ 829	$ 834	$ 832	$ -	$ -	$ 2,497

Note: Cash Flow Basis in Thousands

30501
Interceptor Easements - NBC BVI

Many of NBC's interceptors are located in overland areas that run through private property. It is difficult to access these easements due to the terrain and vegetative growth. Many areas have become overgrown and the sewer is difficult to locate. The easements will be located through field survey and then cleared sufficiently to provide access for maintenance crews and equipment. Project 30501 is to locate manholes and easements on the Blackstone Valley Interceptor in Lincoln and Cumberland. Upon completion of this work, the easement will be cleared to allow access for maintenance of the sewer.

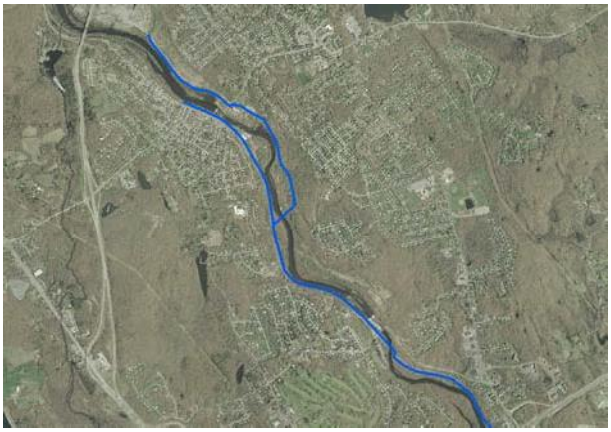

Photo: Blackstone Valley Interceptor in Lincoln

Project Overview:

Location: Lincoln, RI
Contractor(s): VHB
Project Manager: Tom Brueckner, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	July-09	March-12	32 Months	$631
Construction	July-12	July-13	12 Months	730
Total Project	**July-09**	**July-13**	**49 Months**	**$1,361**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30501D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 21	$ 118	$ -	$ -	$ -	$ -	$ -	$ -	$ 139
Land	-	247	-	-	-	-	-	-	247
A/E Professional	86	146	-	-	-	-	-	-	232
Other	-	14	-	-	-	-	-	-	14
Total Project Costs	$ 107	$ 525	$ -	$ -	$ -	$ -	$ -	$ -	$ 631

Projected Expenditures - 30501C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 35	$ 3	$ -	$ -	$ -	$ -	$ 38
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	530	70	-	-	-	-	600
Contingency	-	-	-	72	-	-	-	-	72
Other	-	-	20	-	-	-	-	-	20
Total Project Costs	$ -	$ -	$ 585	$ 145	$ -	$ -	$ -	$ -	$ 730

Note: Cash Flow Basis in Thousands

30700
NBC System-wide Facilities Planning

NBC's interceptor sewers convey flow from local sewers in the district's eight cities and towns to the two NBC wastewater treatment facilities. Project 30700 will continue NBC's studies to determine if there is adequate capacity for the next twenty years and if there is any excessive infiltration/inflow (I/I) in NBC's interceptors. As the evaluations begin for the remaining cities and towns, each will be given a unique project number and draw funding from Project 30700.

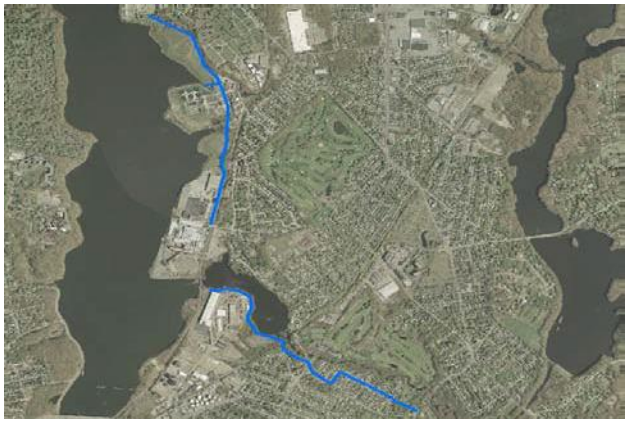

Photo: Proposed area for the East Providence capacity analysis

Project Overview:

Location: Narragansett Bay Commission Service Area
Contractor(s): N/A
Project Manager: Thomas Brueckner, P.E.
Project Priority: B

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	May-12	April-15	35 Months	$1,392
Construction	N/A	N/A	N/A	N/A
Total Project	**May-12**	**April-15**	**35 Months**	**$1,392**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30700

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 3	$ 84	$ 39	$ 67	$ -	$ -	$ -	$ 192
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	500	200	500	-	-	-	1,200
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ 3	$ 584	$ 239	$ 567	$ -	$ -	$ -	$ 1,392

Projected Expenditures - Construction

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Note: Cash Flow Basis in Thousands

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CSO Phase II and CSO Phase III Facilities

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30301D
CSO Phase II Facilities Design

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I. The proposed length of the Woonasquatucket Interceptor and adit is 19,900 feet and the Seekonk Interceptor will be approximately 8,000 feet. Phase II also includes two sewer separation projects in Providence, and a constructed wetlands treatment facility in Central Falls.

Photo: Proposed Woonasquatucket CSO Interceptor alignment

Project Overview:

Location: Providence, RI; Central Falls, RI
Contractor(s): Louis Berger Group
Project Manager: Tom Brueckner, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	November-06	March-12	64 Months	$19,791
Construction	N/A	N/A	N/A	N/A
Total Project	**November-06**	**March-12**	**64 Months**	**$19,791**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30301D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 766	$ 188	$ -	$ -	$ -	$ -	$ -	$ -	$ 954
Land	3,552	3,859	-	-	-	-	-	-	7,411
A/E Professional	10,672	112	-	-	-	-	-	-	10,783
Other	375	268	-	-	-	-	-	-	643
Total Project Costs	$ 15,364	$ 4,428	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,791

Projected Expenditures - Construction

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Note: Cash Flow Basis in Thousands

30301RS
Phase II CSO Facilities Program & Construction Management

Project 30301RS provides Program and Construction Management of the Phase II CSO Phase Facilities construction program, which consists of twelve construction projects. This project is currently underway and will continue until Phase II of the CSO Program is complete.

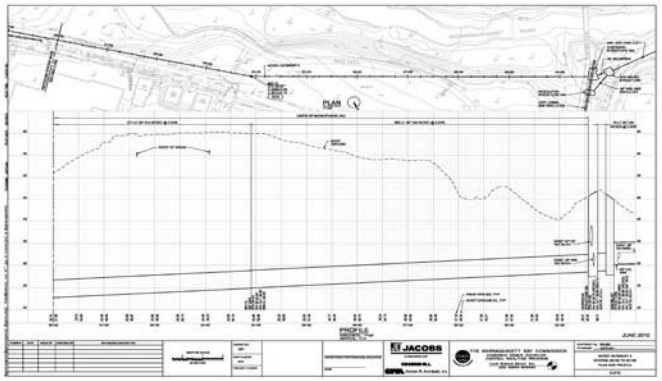

Photo: Plans of the proposed CSO Phase II WCSO alignment

Project Overview:

Location: N/A
Contractor(s): Louis Berger Group
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	September-10	September-15	60 Months	$30,315
Total Project	**September-10**	**September-15**	**60 Months**	**$30,315**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30301RS

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	1,477	4,800	4,800	4,800	3,200	11,238	-	-	30,315
Contingency	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ 1,477	$ 4,800	$ 4,800	$ 4,800	$ 3,200	$ 11,238	$ -	$ -	$ 30,315

Note: Cash Flow Basis in Thousands

30302C
Phase II CSO Facilities OF 106

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows form combined sewer overflows in Providence along the Seekonk and Woonasquacket Rivers to the Main Tunnel constructed under Phase I, two sewer separation projects in Providence and a constructed wetlands facility in Cental Falls. This project (30302C) is the construction of the wetlands facility to treat the combined sewer overflow from OF 106 in Central Falls.

Photo: Proposed Wetlands Facility in Central Falls

Project Overview:

Location: Central Falls, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P. E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	September-11	January-15	41 Months	$10,197
Total Project	**September-11**	**January-15**	**41 Months**	**$10,197**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30302C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 42	$ 60	$ 55	$ -	$ -	$ -	$ -	$ 157
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	1,280	3,800	2,520	400	-	-	-	8,000
Contingency	-	-	-	960	-	-	-	-	960
Other	-	320	480	280	-	-	-	-	1,080
Total Project Costs	$ -	$ 1,642	$ 4,340	$ 3,815	$ 400	$ -	$ -	$ -	$ 10,197

Note: Cash Flow Basis in Thousands

30303C
Phase II CSO Facilities WCSOI Main

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands treatment facility in Central Falls. This project (30303C) is for the construction of the 15,700 foot long Woonasquatucket CSO Interceptor (WCSOI) along the Woonasquatucket River.

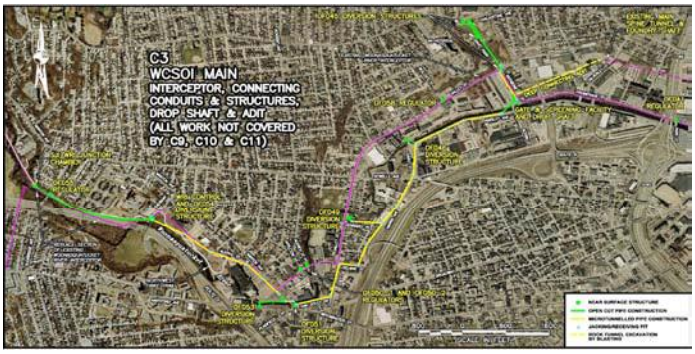

Photo: Proposed Woonasquatucket CSO Interceptor Main alignment

Project Overview:

Location: Providence, RI; Central Falls, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-11	March-16	57 Months	$116,332
Total Project	**July-11**	**March-16**	**57 Months**	**$116,332**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30303C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 347	$ 720	$ 796	$ 669	$ -	$ -	$ -	$ 2,532
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	7,200	26,400	26,700	24,700	5,000	-	-	90,000
Contingency	-	-	-	-	10,800	-	-	-	10,800
Other	-	1,890	3,780	3,780	3,550	-	-	-	13,000
Total Project Costs	$ -	$ 9,437	$ 30,900	$ 31,276	$ 39,719	$ 5,000	$ -	$ -	$ 116,332

Note: Cash Flow Basis in Thousands

30304C
Phase II CSO Facilities SCSOI MAIN

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands facility in Central Falls. This project (30304C) is for the construction of the 7,300 foot long Seekonk CSO Interceptor (SCSOI) along the Seekonk River.

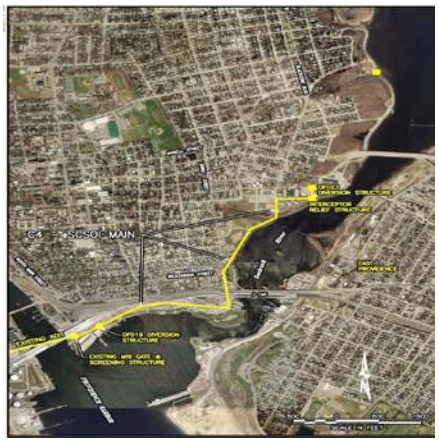

Photo: Proposed Seekonk CSO Interceptor Main alignment

Project Overview:

Location: Providence, RI; Central Falls, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	December-11	July-16	56 Months	$73,579
Total Project	**December-11**	**July-16**	**56 Months**	**$73,579**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30304C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 32	$ 404	$ 486	$ 656	$ 41	$ -	$ -	$ 1,619
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	14,620	18,960	18,760	2,760	2,900	-	58,000
Contingency	-	-	-	-	6,960	-	-	-	6,960
Other	-	-	2,400	2,400	2,200	-	-	-	7,000
Total Project Costs	$ -	$ 32	$ 17,424	$ 21,846	$ 28,576	$ 2,801	$ 2,900	$ -	$ 73,579

Note: Cash Flow Basis in Thousands

30305C
Phase II CSO Facilities OF 027

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands treatment facility in Central Falls. Project 30305C is for the separation of combined sewers in the Hope Street /Blackstone Boulevard area on the East Side of Providence.

Photo: Proposed OF 027 Sewer Separation

Project Overview:

Location: Providence, RI; Central Falls, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	March-11	July-14	40 Months	$11,412
Total Project	**March-11**	**July-14**	**40 Months**	**$11,412**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30305C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 27	$ 340	$ 390	$ 15	$ -	$ -	$ -	$ -	$ 772
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	3,600	4,000	-	400	-	-	-	8,000
Contingency	-	-	-	960	-	-	-	-	960
Other	-	770	840	70	-	-	-	-	1,680
Total Project Costs	$ 27	$ 4,710	$ 5,230	$ 1,045	$ 400	$ -	$ -	$ -	$ 11,412

Note: Cash Flow Basis in Thousands

30306C
Phase II CSO Facilities OF 037 West

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands facility in Central Falls. This project (30306C) is the separation of combined sewers in the area of the East Side of Providence along North Main Street from Colonial Road to Hillside Avenue and west to Collyer Street.

Photo: Proposed OF 037 West Sewer Separation

Project Overview:

Location: Providence, RI
Contractor(s): Louis Berger Group
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	May-11	January-15	44 Months	$24,608
Total Project	**May-11**	**January-15**	**44 Months**	**$24,608**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30306C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 22	$ 314	$ 160	$ -	$ 2	$ -	$ -	$ -	$ 498
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	12,050	5,050	-	900	-	-	-	18,000
Contingency	-	-	2,160	-	-	-	-	-	2,160
Other	-	2,420	840	690	-	-	-	-	3,950
Total Project Costs	$ 22	$ 14,784	$ 8,210	$ 690	$ 902	$ -	$ -	$ -	$ 24,608

Note: Cash Flow Basis in Thousands

30307C
Phase II CSO Facilities OF 037 South

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands facility in Central Falls. This project (30307C) is for the separation of combined sewers east of North Main St. from Colonial to Fourth Street.

Photo: Proposed OF 037 South Sewer Separation

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-12	May-15	34 Months	$15,127
Total Project	**July-12**	**May-15**	**34 Months**	**$15,127**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30307C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 101	$ 184	$ 57	$ -	$ -	$ -	$ 342
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	1,950	9,000	1,050	-	-	-	12,000
Contingency	-	-	-	-	1,440	-	-	-	1,440
Other	-	-	224	672	449	-	-	-	1,345
Total Project Costs	$ -	$ -	$ 2,275	$ 9,856	$ 2,996	$ -	$ -	$ -	$ 15,127

Note: Cash Flow Basis in Thousands

30308C
Phase II CSO Facilities OF 037 North

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands facility in Central Falls. This project (30308C) is for the separation of combined sewers east of North Main St. from Fourth Street to Hillside Avenue.

Photo: Proposed OF 037 North Sewer Separation

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-12	May-15	34 Months	$15,127
Total Project	**July-12**	**May-15**	**34 Months**	**$15,127**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30308C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 101	$ 184	$ 57	$ -	$ -	$ -	$ 342
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	-	1,950	9,000	1,050	-	-	-	12,000
Contingency	-	-	-	-	1,440	-	-	-	1,440
Other	-	-	224	672	449	-	-	-	1,345
Total Project Costs	$ -	$ -	$ 2,275	$ 9,856	$ 2,996	$ -	$ -	$ -	$ 15,127

Note: Cash Flow Basis in Thousands

30309C
Phase II CSO Facilities WCSOI Regulator

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands treatment facility in Central Falls. This project (30309C) is for the modifications to regulator structures OF 050-1, 050-2, 058 and 041.

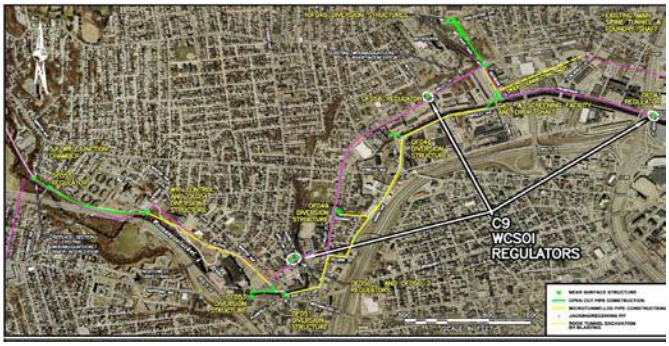

Photo: Proposed Woonasquatucket CSO Interceptor Regulator

Project Overview:

Location: Providence, RI; Central Falls, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	March-11	June-13	27 Months	$1,096
Total Project	**March-11**	**June-13**	**27 Months**	**$1,096**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30309C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 10	$ 183	$ 13	$ -	$ -	$ -	$ -	$ -	$ 206
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	740	10	-	-	-	-	-	750
Contingency	-	90	-	-	-	-	-	-	90
Other	5	45	-	-	-	-	-	-	50
Total Project Costs	$ 15	$ 1,058	$ 23	$ -	$ -	$ -	$ -	$ -	$ 1,096

Note: Cash Flow Basis in Thousands

30310C
Phase II CSO Facilities WCSOI North

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands treatment facility in Central Falls. This project (30310C) is for the construction of 1,800 feet of the Woonasquatucket CSO Interceptor (WCSOI) through Davis Park.

Photo: Proposed Woonasquatucket CSO Interceptor North alignment

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	September-11	January-14	29 Months	$24,000
Total Project	**September-11**	**January-14**	**29 Months**	**$24,000**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30310C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 48	$ 133	$ 1	$ -	$ -	$ -	$ -	$ 181
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	4,700	14,300	1,000	-	-	-	-	20,000
Contingency	-	-	2,400	-	-	-	-	-	2,400
Other	-	500	919	-	-	-	-	-	1,419
Total Project Costs	$ -	$ 5,248	$ 17,752	$ 1,001	$ -	$ -	$ -	$ -	$ 24,000

Note: Cash Flow Basis in Thousands

30311C
Phase II CSO Facilities WCSOI West

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands treatment facility in Central Falls. This project (30311C) is for construction of the replacement of 2,400 foot long Woonasquatucket River Interceptor (WRI) along the bike path north of Route 6 near the Johnston town line.

Photo: Proposed Woonasquatucket CSO Interceptor West alignment

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	April-11	February-14	34 Months	$18,076
Total Project	**April-11**	**February-14**	**34 Months**	**$18,076**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30311C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 8	$ 124	$ 61	$ -	$ -	$ -	$ -	$ -	$ 192
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	7,700	6,550	750	-	-	-	-	15,000
Contingency	-	-	1,800	-	-	-	-	-	1,800
Other	-	660	424	-	-	-	-	-	1,084
Total Project Costs	$ 8	$ 8,484	$ 8,835	$ 750	$ -	$ -	$ -	$ -	$ 18,076

Note: Cash Flow Basis in Thousands

30312C
Phase II CSO Facilities SCSOI Regulator

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands facility in Central Falls. This project (30312C) is for the construction of the a new regulator at OF 025 in River Road along the Seekonk River.

Photo: Proposed Seekonk CSO Interceptor Regulator

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	September-11	April-14	31 Months	$2,530
Total Project	**September-11**	**April-14**	**31 Months**	**$2,530**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures -Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30312C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 89	$ 97	$ 4	$ -	$ -	$ -	$ -	$ 190
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	525	1,455	20	-	-	-	-	2,000
Contingency	-	-	240	-	-	-	-	-	240
Other	-	80	20	-	-	-	-	-	100
Total Project Costs	$ -	$ 694	$ 1,812	$ 24	$ -	$ -	$ -	$ -	$ 2,530

Note: Cash Flow Basis in Thousands

30313C
Phase II CSO Facilities WCSOI Site Demolition

CSO Phase II is the second phase of NBC's CSO Abatement Program. It consists of the construction of two interceptors to convey flows from combined sewer overflows in Providence along the Seekonk and Woonasquatucket Rivers to the Main Tunnel constructed in Phase I, two sewer separation projects in Providence and a constructed wetlands treatment facility in Central Falls. This project (30313C) is the demolition of 4 buildings so that construction of the Woonasquatucket CSO Interceptor (WCSOI) along the Woonasquatucket River can be compleletd.

Photo: Proposed Woonasquatucket CSO Interceptor Site Demolition

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	August-11	April-13	20 Months	$667
Total Project	**August-11**	**April-13**	**20 Months**	**$667**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30313C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 81	$ 1	$ -	$ -	$ -	$ -	$ -	$ 82
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	475	25	-	-	-	-	-	500
Contingency	-	60	-	-	-	-	-	-	60
Other	-	25	-	-	-	-	-	-	25
Total Project Costs	$ -	$ 641	$ 26	$ -	$ -	$ -	$ -	$ -	$ 667

Note: Cash Flow Basis in Thousands

30800
CSO Phase III Facilities

CSO Phase III is the third phase of NBC's CSO Abatement Program. This phase includes the construction of a tunnel in Pawtucket totaling approximately 13,000 feet in length. Phase III also includes three CSO Interceptors totaling approximately 14,500 feet in length, and two sewer separation projects. Total costs for CSO Phase III are based on pre-design estimates.

Photo: Proposed alignment for the Pawtucket CSO Tunnel

Project Overview:

Location: Pawtucket, RI
Contractor(s): N/A
Project Manager: Tom Brueckner, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	July-15	August-17	26 Months	$37,012
Construction	August-17	August-22	61 Months	565,950
Total Project	**July-15**	**August-22**	**87 Months**	**$602,962**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30800D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ 240	$ 465	$ 247	$ 952
Land	-	-	-	-	-	-	-	4,000	4,000
A/E Professional	-	-	-	-	-	11,997	16,001	4,002	32,000
Other	-	-	-	-	-	-	10	50	60
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ 12,237	$ 16,476	$ 8,299	$ 37,012

Projected Expenditures - 30800C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,000	$ 6,000
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	56,000	56,000
Construction	-	-	-	-	-	-	-	400,000	400,000
Contingency	-	-	-	-	-	-	-	48,000	48,000
Other	-	-	-	-	-	-	-	55,950	55,950
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 565,950	$ 565,950

Note: Cash Flow Basis in Thousands

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Sewer System Improvements

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70600C
Omega Pump Station Rack Room - Construction

The Omega Pump Station Rack Room provides screening facilities for the Omega Pump Station, which is located in the Bucklin Point service area. The self-cleaning screen has reached the end of its useful life and must be replaced. Further, the electrical, heating, and ventilation systems must be replaced, and fire code updates along with minor structural repairs need to be made to the building. Project 70600C will facilitate these improvements.

Photo: Bar screen in the Omega rack room

Project Overview:

Location: East Providence, RI
Contractor(s): N/A
Project Manager: Thomas Brueckner, P.E.
Project Priority: B

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	March-10	August-11	17 Months	$133
Total Project	**March-10**	**August-11**	**17 Months**	**$133**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 70600C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 12	$ 2	$ -	$ -	$ -	$ -	$ -	$ -	$ 14
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	52	52	-	-	-	-	-	-	105
Contingency	-	12	-	-	-	-	-	-	12
Other	-	2	-	-	-	-	-	-	2
Total Project Costs	$ 64	$ 68	$ -	$ -	$ -	$ -	$ -	$ -	$ 133

Note: Cash Flow Basis in Thousands

70700C
Lincoln Septage Station - Lakeside Unit Replacement

The grit removal unit at the Lincoln Septage Station removes stone and sand from septage before it is discharged to the Bucklin Point sewer system. Removal of the grit at the septage station prevents buildup of grit in the downstream sewer, which could become a maintenance problem. The existing unit has reached the end of its useful life and needs to be replaced. This project involves the purchase and installation of the new unit.

Photo: Lakeside Grit Removal Unit

Project Overview:

Location: Lincoln, RI
Contractor(s): Hart Engineering
Project Manager: Rich Bernier, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-09	July-11	24 Months	$612
Total Project	**July-09**	**July-11**	**24 Months**	**$612**

Projected Expenditures -Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 70700C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 44	$ 8	$ -	$ -	$ -	$ -	$ -	$ -	$ 52
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	362	-	-	-	-	-	-	-	362
Contingency	-	198	-	-	-	-	-	-	198
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ 406	$ 206	$ -	$ -	$ -	$ -	$ -	$ -	$ 612

Note: Cash Flow Basis in Thousands

Floatables Control Facilities

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30600
Floatables Control Facilities

As part of the nine minimum controls required under EPA's CSO Control Policy, floatables control is to be provided at the Phase III CSO overflows. NBC will conduct an evaluation and then design floatables control for the three largest Phase III overflows; OF 205, OF 219 and OF 220. NBC will provide trash racks for the remaining Phase III overflows. This project is for design and construction of these facilities.

Photo: Floatables Control Facilities at Bucklin Brook

Project Overview:

Location: Pawtucket, RI; Central Falls, RI
Contractor(s): Louis Berger Group
Project Manager: Kathryn Kelly, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	September-09	July-11	22 Months	$733
Construction	May-11	October-13	29 Months	2,662
Total Project	**September-09**	**October-13**	**50 Months**	**$3,395**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30600D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 117	$ 56	$ -	$ -	$ -	$ -	$ -	$ -	$ 173
Land	349	-	-	-	-	-	-	-	349
A/E Professional	191	20	-	-	-	-	-	-	211
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ 657	$ 76	$ -	$ -	$ -	$ -	$ -	$ -	$ 733

Projected Expenditures - 30600C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 2	$ 113	$ 88	$ -	$ -	$ -	$ -	$ -	$ 202
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	100	88	-	-	-	-	-	188
Construction	-	1,030	870	100	-	-	-	-	2,000
Contingency	-	-	240	-	-	-	-	-	240
Other	-	18	14	-	-	-	-	-	32
Total Project Costs	$ 2	$ 1,261	$ 1,299	$ 100	$ -	$ -	$ -	$ -	$ 2,662

Note: Cash Flow Basis in Thousands

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Interceptor Inspection and Cleaning
and
Interceptor Repair and Construction

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Projects 304 M Summary
CSO Interceptor and Cleaning Projects

The 304 M projects continue NBC's program to clean and inspect NBC interceptors as needed. The TV inspections assist in determining pipe conditions and developing solutions to any problems which may be identified. Based on completed inspections to date, the cleaning is needed to remove accumulated grit. As new inspection and cleaning projects are identified from the TV inspections, they will be given a unique project number and draw funding from the funds available in Project 30400M.

Photo: Heavy rock debris removed from sewer off Manton Ave

Project Overview:

Location: Narragansett Bay Commission Service Area
Contractor(s): Various
Project Manager: Meg Goulet, P.E.
Project Priority: B

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-09	Ongoing	Ongoing	$3,500
Total Project	**July-09**	**Ongoing**	**Ongoing**	**$3,500**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Projects 304 M Summary

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 106	$ 107	$ 107	$ 107	$ 107	$ 107	$ 107	$ 748
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Maintenance	-	315	331	331	331	331	331	331	2,303
Contingency	-	-	-	-	-	-	-	-	-
Other	-	79	62	62	62	62	62	62	448
Total Project Costs	$ -	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500	$ 500	$ 3,500

Note: Cash Flow Basis in Thousands

30400C
Repair and Construction of CSO Interceptors

Project 30400C estimates the unknown costs of interceptor repair and construction resulting from NBC's inspection and cleaning projects and emergency situations. Interceptor repair and construction projects result from such issues as root intrusion, structural damage, odor control, aging infrastructure, inaccessible structures, pipe damage and emergency situations. As new repair and construction projects are identified they are given a unique project number and draw funding from the funds available in Project 30400C.

Photo: Removal of abandoned pipe at Atwells Ave. and Valley Street

Project Overview:

Location: Narragansett Bay Commission Service Area
Contractor(s): Various
Project Manager: Rich Bernier, P.E.
Project Priority: B

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	July-01	Ongoing	Ongoing	$6,068
Total Project	**July-01**	**Ongoing**	**Ongoing**	**$6,068**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30400C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 8	$ -	$ -	$ 70	$ 75	$ 75	$ 75	$ 303
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	-	140	-	-	1,165	1,250	1,250	1,250	5,055
Contingency	-	17	-	-	140	150	150	150	607
Other	-	3	-	-	25	25	25	25	103
Total Project Costs	$ -	$ 168	$ -	$ -	$ 1,400	$ 1,500	$ 1,500	$ 1,500	$ 6,068

Note: Cash Flow Basis in Thousands

30421
Louisquisset Pike Interceptor Replacement

The Facilities Plan for project 30421 identified wet weather capacity problems with the Louisquisset Interceptor and recommended that the southern half of the interceptor in Lincoln be replaced with a larger pipe to accommodate present and projected flows.

Photo: Proposed portion of Lincoln interceptor replacement

Project Overview:

Location: Lincoln, RI
Contractor(s): Beta Engineering
Project Manager: Terry Cote, P.E.
Project Priority: C

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	May-07	July-09	26 Months	$206
Construction	August-12	September-13	13 Months	2,382
Total Project	**May-07**	**September-13**	**77 Months**	**$2,588**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30421D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 40	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 40
Land	-	-	-	-	-	-	-	-	-
A/E Professional	155	-	-	-	-	-	-	-	155
Other	11	-	-	-	-	-	-	-	11
Total Project Costs	$ 206	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 206

Projected Expenditures - 30421C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 77	$ 15	$ -	$ -	$ -	$ -	$ 92
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	38	12	-	-	-	-	50
Construction	-	-	1,500	500	-	-	-	-	2,000
Contingency	-	-	-	240	-	-	-	-	240
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ 1,615	$ 767	$ -	$ -	$ -	$ -	$ 2,382

Note: Cash Flow Basis in Thousands

30444
Mosshassuck Valley Interceptor

Recent inspection of 2,600 feet of the Moshassuck Valley Interceptor from Higginson Street in Central Falls to Lockbridge Street in Pawtucket revealed that this line has sunk from its original grade at numerous points, by as much as 2.5 feet. This settling is causing maintenance problems, and accumulation of grease and may result in structural problems as well. This project would replace this line in the public right of way.

Photo: Portion of the sinking Moshassuck Valley Interceptor

Project Overview:

Location: Providence, RI
Contractor(s): N/A
Project Manager: Tom Brueckner, P.E.
Project Priority: C

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	May-06	October-06	6 Months	$22
Design	September-11	November-12	14 Months	312
Construction	January-13	December-14	24 Months	2,373
Total Project	**May-06**	**December-14**	**106 Months**	**$2,707**

Projected Expenditures - 30444P

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2
A/E Professional	20	-	-	-	-	-	-	-	20
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ 22	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 22

Projected Expenditures - 30444D

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ 35	$ 45	$ -	$ -	$ -	$ -	$ -	$ 80
Land	-	-	30	-	-	-	-	-	30
A/E Professional	-	125	75	-	-	-	-	-	200
Other	-	-	2	-	-	-	-	-	2
Total Project Costs	$ -	$ 160	$ 152	$ -	$ -	$ -	$ -	$ -	$ 312

Projected Expenditures - 30444C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ 22	$ 56	$ -	$ -	$ -	$ -	$ 78
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	35	-	-	-	-	35
Construction	-	-	250	1,650	100	-	-	-	2,000
Contingency	-	-	-	240	-	-	-	-	240
Other	-	-	5	15	-	-	-	-	20
Total Project Costs	$ -	$ -	$ 277	$ 1,996	$ 100	$ -	$ -	$ -	$ 2,373

Note: Cash Flow Basis in Thousands

30453C
Improvements to NBC Interceptors FY 2010

Project 30453C will replace approximately 35 lf of 6"clay pipe with 6" PVC pipe at the intersection of Melrose and Sumter Streets in Providence; installation of approximately 1500 lf of CIPP lining in Hartford Ave Johnston along with manhole rehabilitation of 12 manholes; installation of a new manhole and reconfiguring existing sewers into the new manhole.

Photo: Remvoal of brick encased around an 8 inch pipe

Project Overview:

Location: Providence, RI
Contractor(s): Iannuccillo
Project Manager: Mark Thomas, P.E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	August-09	April-12	33 Months	$702
Total Project	**August-09**	**April-12**	**33 Months**	**$702**

Projected Expenditures - Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - 30453C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 130	$ 23	$ -	$ -	$ -	$ -	$ -	$ -	$ 153
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	384	31	-	-	-	-	-	-	415
Contingency	-	99	-	-	-	-	-	-	99
Other	-	35	-	-	-	-	-	-	35
Total Project Costs	$ 514	$ 188	$ -	$ -	$ -	$ -	$ -	$ -	$ 702

Note: Cash Flow Basis in Thousands

30454C
Branch Avenue Interceptor Improvement

An inspection of the Branch Avenue interceptor under the Rte. 146 overpass from Douglas Avenue to Rte. 95 revealed that this line was in poor condition. Project 30454C will line appoximately 4,200 linear feet of 20", 36" and 40" pipe from Bingham Street to Langdon Street and rehabilitate 35 manholes.

Photo: Bypass Pumping brick sewer prior to pipe lining

Project Overview:

Location: Providence, RI
Contractor: Insituform Technologies
Project Manager: Rich Bernier, P. E.
Project Priority: A

Total Project Duration/Cost

Project Phase	Actual/Projected Start Date	Actual/Projected Completion Date	Duration	Cost (in Thousands)
Planning	N/A	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A
Construction	September-10	August-12	23 Months	$1,887
Total Project	**September-10**	**August-12**	**23 Months**	**$1,887**

Projected Expenditures -Planning

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Projected Expenditures - Design

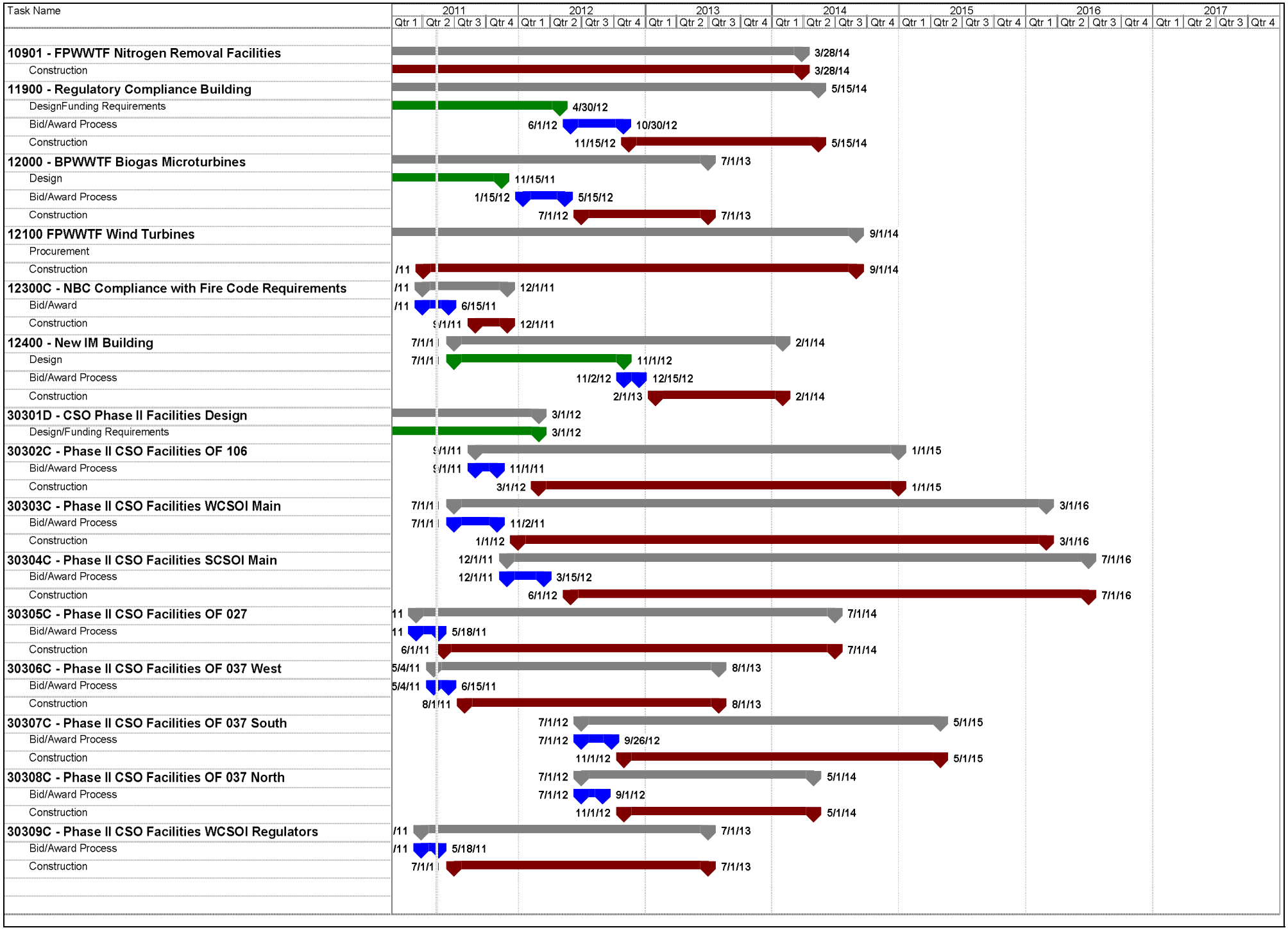
Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total Project Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

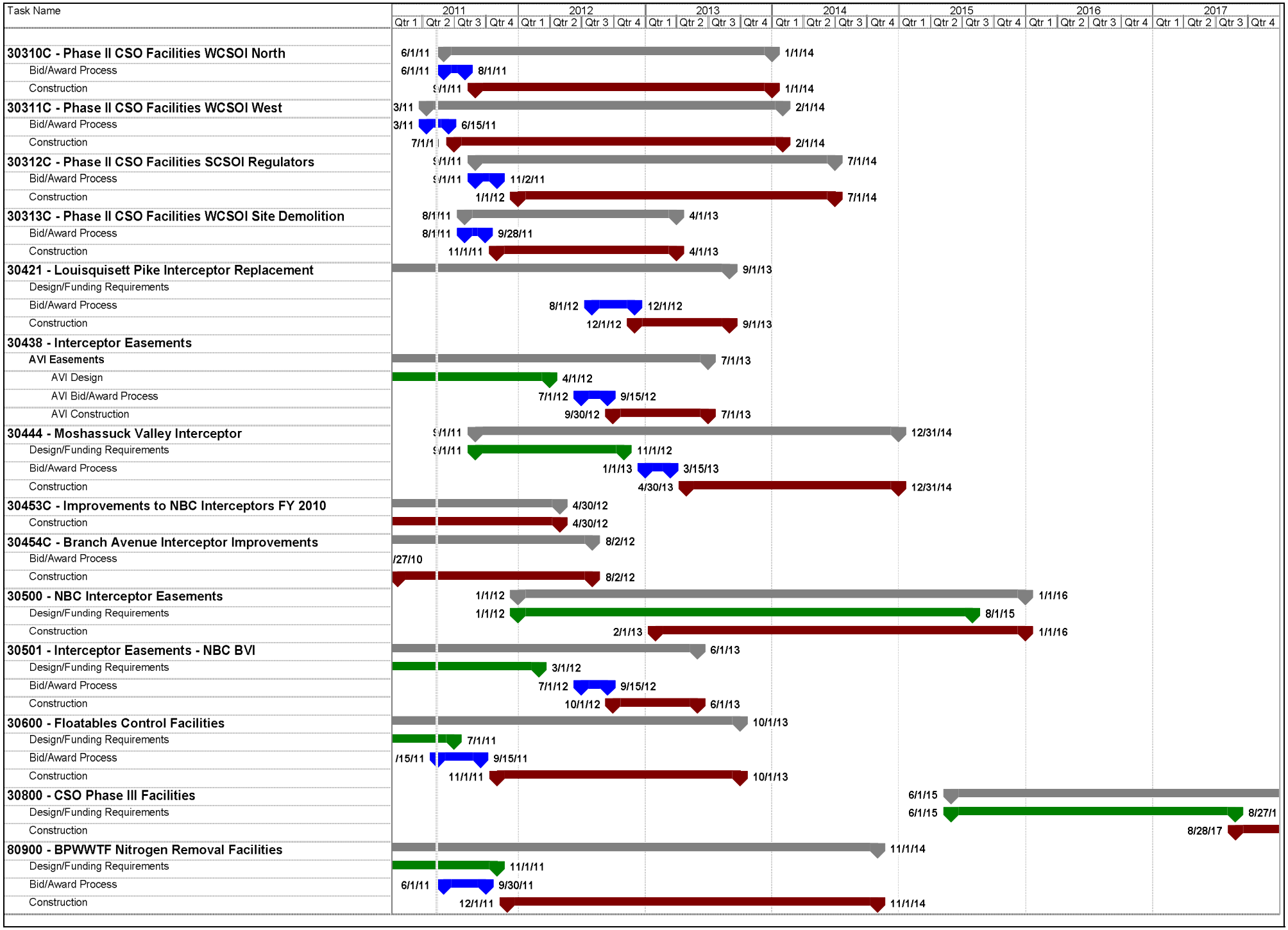
Projected Expenditures - 30454C

Cost Category	Pre-FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Post-FY 2017	Total
Administrative	$ 63	$ 89	$ -	$ -	$ -	$ -	$ -	$ -	$ 152
Land	-	-	-	-	-	-	-	-	-
A/E Professional	-	-	-	-	-	-	-	-	-
Construction	650	745	150	-	-	-	-	-	1,545
Contingency	-	150	-	-	-	-	-	-	150
Other	40	-	-	-	-	-	-	-	40
Total Project Costs	$ 753	$ 984	$ 150	$ -	$ -	$ -	$ -	$ -	$ 1,887

Note: Cash Flow Basis in Thousands

Appendix


Task Name
2011
2012
2013
2014
2015
2016
2017
Qtr 1 Qtr 2 Qtr 3 Qtr 4
10901 - FPWWTF Nitrogen Removal Facilities
3/28/14
Construction
3/28/14
11900 - Regulatory Compliance Building
5/15/14
DesignFunding Requirements
4/30/12
Bid/Award Process
6/1/12
10/30/12
Construction
11/15/12
5/15/14
12000 - BPWWTF Biogas Microturbines
7/1/13
Design
11/15/11
Bid/Award Process
1/15/12
5/15/12
Construction
7/1/12
7/1/13
12100 FPWWTF Wind Turbines
9/1/14
Procurement
Construction
/11
9/1/14
12300C - NBC Compliance with Fire Code Requirements
/11
12/1/11
Bid/Award
/11
6/15/11
Construction
9/1/11
12/1/11
12400 - New IM Building
7/1/1
2/1/14
Design
7/1/1
11/1/12
Bid/Award Process
11/2/12
12/15/12
Construction
2/1/13
2/1/14
30301D - CSO Phase II Facilities Design
3/1/12
Design/Funding Requirements
3/1/12
30302C - Phase II CSO Facilities OF 106
9/1/11
1/1/15
Bid/Award Process
9/1/11
11/1/11
Construction
3/1/12
1/1/15
30303C - Phase II CSO Facilities WCSOI Main
7/1/1
3/1/16
Bid/Award Process
7/1/1
11/2/11
Construction
1/1/12
3/1/16
30304C - Phase II CSO Facilities SCSOI Main
12/1/11
7/1/16
Bid/Award Process
12/1/11
3/15/12
Construction
6/1/12
7/1/16
30305C - Phase II CSO Facilities OF 027
11
7/1/14
Bid/Award Process
11
5/18/11
Construction
6/1/11
7/1/14
30306C - Phase II CSO Facilities OF 037 West
5/4/11
8/1/13
Bid/Award Process
5/4/11
6/15/11
Construction
8/1/11
8/1/13
30307C - Phase II CSO Facilities OF 037 South
7/1/12
5/1/15
Bid/Award Process
7/1/12
9/26/12
Construction
11/1/12
5/1/15
30308C - Phase II CSO Facilities OF 037 North
7/1/12
5/1/14
Bid/Award Process
7/1/12
9/1/12
Construction
11/1/12
5/1/14
30309C - Phase II CSO Facilities WCSOI Regulators
/11
7/1/13
Bid/Award Process
/11
5/18/11
Construction
7/1/1
7/1/13


Task Name
2011
2012
2013
2014
2015
2016
2017
Qtr 1 Qtr 2 Qtr 3 Qtr 4
30310C - Phase II CSO Facilities WCSOI North
6/1/11
1/1/14
Bid/Award Process
6/1/11
8/1/11
Construction
9/1/11
1/1/14
30311C - Phase II CSO Facilities WCSOI West
3/11
2/1/14
Bid/Award Process
3/11
6/15/11
Construction
7/1/1
2/1/14
30312C - Phase II CSO Facilities SCSOI Regulators
9/1/11
7/1/14
Bid/Award Process
9/1/11
11/2/11
Construction
1/1/12
7/1/14
30313C - Phase II CSO Facilities WCSOI Site Demolition
8/1/11
4/1/13
Bid/Award Process
8/1/11
9/28/11
Construction
11/1/11
4/1/13
30421 - Louisquisett Pike Interceptor Replacement
9/1/13
Design/Funding Requirements
Bid/Award Process
8/1/12
12/1/12
Construction
12/1/12
9/1/13
30438 - Interceptor Easements
AVI Easements
7/1/13
AVI Design
4/1/12
AVI Bid/Award Process
7/1/12
9/15/12
AVI Construction
9/30/12
7/1/13
30444 - Moshassuck Valley Interceptor
9/1/11
12/31/14
Design/Funding Requirements
9/1/11
11/1/12
Bid/Award Process
1/1/13
3/15/13
Construction
4/30/13
12/31/14
30453C - Improvements to NBC Interceptors FY 2010
4/30/12
Construction
4/30/12
30454C - Branch Avenue Interceptor Improvements
8/2/12
Bid/Award Process
/27/10
Construction
8/2/12
30500 - NBC Interceptor Easements
1/1/12
1/1/16
Design/Funding Requirements
1/1/12
8/1/15
Construction
2/1/13
1/1/16
30501 - Interceptor Easements - NBC BVI
6/1/13
Design/Funding Requirements
3/1/12
Bid/Award Process
7/1/12
9/15/12
Construction
10/1/12
6/1/13
30600 - Floatables Control Facilities
10/1/13
Design/Funding Requirements
7/1/11
Bid/Award Process
/15/11
9/15/11
Construction
11/1/11
10/1/13
30800 - CSO Phase III Facilities
6/1/15
Design/Funding Requirements
6/1/15
8/27/1
Construction
8/28/17
80900 - BPWWTF Nitrogen Removal Facilities
11/1/14
Design/Funding Requirements
11/1/11
Bid/Award Process
6/1/11
9/30/11
Construction
12/1/11
11/1/14