

Compliance Rate Filing

February 16, 2016



**One Service Road
Providence, Rhode Island 02905
401-461-8848 • FAX 401-461-6540**

**Vincent J. Mesolella
Chairman**

**Raymond J. Marshall, P.E.
Executive Director**

The Narragansett Bay Commission
One Service Road
Providence, RI 02905

(401) 461-8848
(401) 461-6540 FAX

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Chairman

Raymond J. Marshall, P.E.
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February 16, 2016

Luly Massaro, Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, Rhode Island 02888

Subject: Compliance filing for Debt Service and Debt Service Coverage in Accordance with
Commission Order 19380 from Docket 3905

Dear Ms. Massaro:

This compliance filing is for rate relief required to support debt service and debt service coverage in accordance with Commission Order 19380 from Docket 3905. The NBC needs rate relief in order to finance its Capital Improvement Program (CIP). Although NBC is requesting rate relief effective July 1, 2016, rate approval is needed now so that NBC may execute the planned borrowing through the Rhode Island Infrastructure Bank. Testimony and supporting data for this request is provided in the filing.

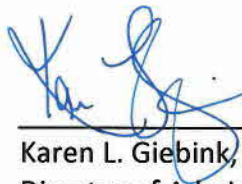
Sincerely,

A handwritten signature in blue ink, appearing to read "K. Giebink", is written over a circular stamp that partially obscures the signature.

Karen L. Giebink
Director of Administration and Finance

CERTIFICATE OF SERVICE

I, Karen L. Giebink, hereby certify that I have, this 16th day of February, 2016 caused a copy of the within Compliance Rate Case Filing of the Narragansett Bay Commission to be served on the Administrator of the Division of Public Utilities and Carriers and the Office of the Attorney General.



Karen L. Giebink,
Director of Administration and Finance

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

PUBLIC UTILITIES COMMISSION

IN RE: NARRAGANSETT BAY COMMISSION
COMPLIANCE FILING OF February 16, 2016

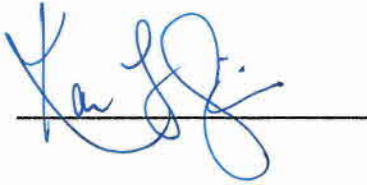
NOTICE OF CHANGE IN RATE SCHEDULES

Pursuant to R.I.G.L. SECTION 39-3-11, and in accordance with Rule 1.9 and Part Two of the Rules of Practice and Procedure of the Rhode Island Public Utilities Commission ("Commission"), the Narragansett Bay Commission ("NBC") hereby gives notice of proposed changes in rates, which we previously filed and published in compliance with R.I.G.L., Section 39-3-10.

The proposed changes are contained in the accompanying Exhibits. The new residential and non-residential rates, as proposed, are to become effective July 1, 2016. The new rates are designed to collect revenues in a 12-month period equal to \$99,649,570.

- 1) NBC is a public corporation of the State of Rhode Island, created by chapter 25 of title 46 of the Rhode Island General Laws, and having a distinct legal existence separate from the State, NBC's principal address is Narragansett Bay Commission, One Service Road, Providence, RI 02905. Pursuant to the Chapter 25 of Title 46, NBC is authorized to do business within the State of Rhode Island.
- 2) Correspondence in accordance with Rule 1.9 (a)(2) should be addressed to Karen Giebink, Director of Administration and Finance, Narragansett Bay Commission, One Service Road, Providence, RI, 02903 and Joseph A. Keough, Jr., Esquire, Legal Counsel, Keough & Sweeney, Ltd., 41 Mendon Ave., Pawtucket, RI 02861.
- 3) In accordance with rule 1.9 and part two of the Rules, the documents accompanying this filing contain data, information and testimony in support of NBC's application.

- 4) A copy of the materials herewith filed has been sent to the Administrator of the Division and the Attorney General for the State of Rhode Island.



Karen L. Giebink
Director of Administration and Finance
Narragansett Bay Commission

STATE OF RHODE ISLAND
COUNTY OF PROVIDENCE

Subscribed and sworn to before me on this the 16th day of February 2016, Pursuant the PUC Rule 1.9.



Notary Public

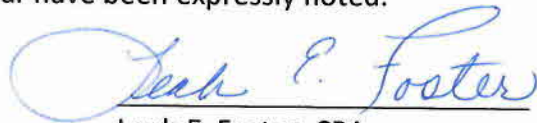


IN RE:
NARRAGANSETT BAY COMMISSION
TARIFF FILING OF February 16, 2016

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISSION

ATTESTATION UNDER RULE 2.7

I, Leah E. Foster, Accounting Manager of the Narragansett Bay Commission, in conformance with part 2.7, of the Rules of Practice and Procedure of the Public Utilities Commission, hereby attest that the financial data presented in the rate base, cost of service, revenue statements and supporting data submitted herein are an accurate reflection of the books of the Narragansett Bay Commission. Any differences between the books and the test year data, and any changes in the manner of recording an item on the company's books during the test year have been expressly noted.


Leah E. Foster, CPA

STATE OF RHODE ISLAND
PROVIDENCE, SC.

Subscribed and sworn to before me on this 16th day of Feb. 2016.


Notary Public

ID# 53982

SCHEDULE A

EFFECTIVE: CUSTOMER CHARGE July 1, 2015
CONSUMPTION CHARGE July 1, 2015

Applicability

Applicable throughout the entire territory served by the Field's Point and Bucklin Point Wastewater Treatment Facilities and operated by the Narragansett Bay Commission.

Sewer Use Fee Schedule**RESIDENTIAL**

All residential structures up to and including six (6) dwelling units. All residential condominiums will be billed under residential tariffs regardless of the number of dwelling units per structure/meter.

NBC Service Area: CUSTOMER CHARGE:
 \$ 215.50 per dwelling unit per year

CONSUMPTION CHARGE:
 \$ 3.478 per hundred cubic feet of 100% of water used

RESIDENTIAL WELL CUSTOMERS:
 \$ 492.38 Based upon fixed fee and average annual usage of 79.61 HCF

INDUSTRIAL

All structures in which water is utilized for the production and/or manufacturing based operations including non-contact cooling water. As of May 1st, 2010 this category includes industrial laundries as defined by the EPA and categorized by the North American Industry Classification System (NAICCS) code 812332.

<u>CUSTOMER CHARGE:</u>	<u>METER SIZE:</u>	<u>FIXED FEE</u>
	5/8"	\$515
	3/4"	\$770
	1"	\$1,280
	1 ½"	\$2,568
	2"	\$4,101
	3"	\$7,684
	4"	\$12,804
	6"	\$25,618
	8"	\$40,988
	10"	\$58,922

CONSUMPTION CHARGE:

NBC Service Area: \$ 3.242 per hundred cubic feet of 100% of water used.

COMMERCIAL

All other structures. This includes mixed use structures (i.e., combined residential/non-residential) and half-way houses and/or boarding type facilities where unrelated persons rent rooms.

<u>CUSTOMER CHARGE:</u>	<u>METER SIZE:</u>	<u>FIXED FEE</u>
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	4"	\$12,804
	6"	\$25,618
	8"	\$40,988
	10"	\$58,922

CONSUMPTION CHARGE:

NBC Service Area: \$ 5.043 per hundred cubic feet of 100% of water used.

BILLING

Residential - Fixed fees and consumption to be billed monthly.

Condominiums (residential) - Fixed fees and consumption bills to be rendered to property owners and/or associations monthly.

Industrial - Fixed fees and consumption to be billed monthly.

Commercial - Fixed fees and consumption to be billed monthly.

Industrial Surcharge - If any, to be billed with consumption.

PAYMENT

All bills are due and payable upon receipt. Interest will be charged 30 days after the billing date at the rate of 1% per month on any unpaid balance, including any outstanding interest charges.

SCHEDULE B**Miscellaneous Charges****EFFECTIVE:**

Pretreatment Annual Permit Fee:	June 30, 2003
New Sewer Connection Fee:	July 1, 2005
Septic Tank Waste Discharge Fee:	
A. Septic Tank Waste Discharge Fee:	May 6, 2005
B. Uniform Septage Disposal Fee:	April 1, 2008
Sewer Back-up Removal Fee:	March 24, 1995
Abatement Application Fee:	January 29, 2001
Credit Card Transaction Fee	On or after February 2, 2011
BOD/TSS Surcharge:	January 1, 2013

1. Pretreatment Annual Permit Fee: Applicable to all users regulated under R.I.G.L. 46-25-25 and the NBC's Rules and Regulations.

CAT #	User Classification	Annual Permit Fee
11	Electroplater/Metalfinisher	
	Flow < 2,500 GPD	\$1,811
	Flow ≥ 2,500 < 10,000 GPD	\$3,623
	Flow ≥ 10,000 GPD < 50,000	\$7,246
	Flow ≥ 50,000 GPD < 100,000 GPD	\$10,144
	Flow ≥ 100,000	\$10,869
12	Metal Molding and Casting	\$1,087
13	Organic Chemical Manufacturers	\$7,246
14	Other Categorical Industries	\$1,087
15	Metal Formers	\$5,797
21	Tubbing/Vibratory/Mass Finishing	
	Flow < 5,000 GPD	\$725
	Flow ≥ 5,000 GPD	\$1,449
22	Chemical Transporters, Refiners, Recyclers, Manufacturers	\$2,898
23	Textile Processing Firms	
	Flow < 2,500 GPD	\$1,449
	Flow ≥ 2,500 < 10,000 GPD	\$3,768
	Flow ≥ 10,000 < 50,000	\$5,072
	Flow ≥ 50,000 GPD	\$7,246

CAT #	User Classification	Annual Permit Fee
24	Printers	
	Gravure	\$3,623
	Other Flow \geq 2,500 GPD	\$1,087
	Other Flow < 2,500 GPD	\$725
25	Industrial Laundries	\$3,623
26	Machine Shops/Machinery Rebuilders	\$1,449
27	Other firms discharging toxics and/or prohibited pollutants	
	Flow \geq 10,000 GPD	\$2,898
	Flow \geq 2,500 GPD < 10,000 GPD	\$1,449
	Flow < 2,500 GPD	\$725
28	Central Treatment Facilities - Hazardous Waste	\$14,492
29	Central Treatment Facilities	\$4,348
	Non-Hazardous Waste	
34	Manufacturers with high BOD/TSS wastestreams	
	Flow \geq 100,000 GPD	\$5,797
	50,000 GPD \leq Flow < 100,000 GPD	\$3,623
	10,000 GPD \leq Flow < 50,000 GPD	\$1,811
	Flow < 10,000 GPD	\$1,087
35	Other facilities discharging conventional pollutants	
	Flow \geq 10,000 GPD	\$1,449
	Flow < 10,000 GPD	\$725
37	Automotive Maintenance/Service Facilities	
	Small \leq 2 Bays	\$435
	Large \geq 3 Bays	\$1,449
40	Groundwater Remediation/Excavation Projects	
	Flow \geq 10,000 GPD	\$1,449
	Flow < 10,000 GPD	\$725
41	Recycle or Disconnected Electroplating or Chemical Processes	\$725
42	Other Process Operations Disconnected or Recycled	\$290
43	Recycle or Disconnected Electroplating or Chemical Processes with Cooling Water or Boiler Discharges	\$870

CAT #	User Classification	Annual Permit Fee
44	Other Recycled or Disconnected Process Operations with Cooling Water or Boiler Discharges	\$362
46	Cooling Water with Solvent, Toxic and/or Hazardous Chemicals on Site	\$362
49	Other Discharges with Solvents, Toxics and/or Hazardous Chemicals on Site	
	Flow \geq 10,000 GPD	\$1,087
	Flow < 10,000 GPD	\$725
51	Cooling Water with No Solvents, Toxic or Hazardous Chemicals on Site	\$362
52	Boiler Blowdown/Condensate Discharges	\$362
53	Cooling Tower Discharges	\$362
59	Other Non-Toxic Industrial Discharges	
	Flow \geq 5,000 GPD	\$725
	Flow < 5,000 GPD	\$362
80	Septage Haulers/Dischargers	\$435
81	Food/Fish/Meat/Produce Processing (wholesale)	
	Flow < 1,000 GPD	\$362
	1,000 GPD \leq Flow < 10,000 GPD	\$725
	Flow \geq 10,000 GPD	\$1,449
82	Supermarkets (Retail Food Processing)	\$725
83	Parking Garages/Lots	\$725
84	Cooling Water/Groundwater/Boiler Discharges with Potential to Discharge Conventional Pollutants	\$362
85	Restaurants	
	< 50 seats	\$217
	\geq 50 seats < 100 seats	\$435
	>100 seats of fast food (2 or more fryolators and/or drive through window)	\$580
86	Commercial Buildings with Cafeteria and/or laundry operations	\$725
89	Other Commercial Facilities with Potential to Discharge Conventional Pollutants	
	< 2,500 GPD	\$362
	\geq 2,500 GPD	\$725

CAT #	User Classification	Annual Permit Fee
90	Hospitals	\$3,623
91	Cooling Water/Groundwater/Boiler Discharges with Potential to Discharge Toxic, Prohibited and/or Conventional Pollutants	\$362
92	Laundries/Dry Cleaners	
	Laundromats	\$725
	Dry Cleaners with 1 washer or less	\$362
	Dry Cleaners with ≥ 2 washers	\$725
93	Photo Processing	
	< 1,000 GPD	\$362
	1,000 GPD \leq Flow < 2,500	\$725
	2,500 GPD - 5,000 GPD	\$1,087
	> 5,000 GPD	\$1,449
94	X-Ray Processing	
	≤ 2 processors	\$362
	3 - 4 processors	\$725
	5 - 9 processors	\$1,087
	≥ 10 processors	\$1,449
95	Clinical, Medical and Analytical Laboratories	\$725
96	Funeral Homes/Enbalming Operations	\$362
97	Motor Vehicle Service/Washing Operations	
	rate per tunnel	\$725
	rate per bay	\$217
	maximum rate per facility	\$1,449
99	Other Commercial Users with Potential to Discharge Toxic, Prohibited and/or Conventional Pollutants	
	Flow < 2,500 GPD	\$362
	Flow $\geq 2,500$ GPD	\$725

NOTE: All flow rates are based upon operating days.

2. New Sewer Connection Fee: Applicable to all applications for a new service connection directly or indirectly to NBC facilities. Payable at the time of application.

Residential	\$260	per connection
Commercial	\$779	per connection
Industrial	\$779	per connection

3. Sewer Back-up Removal Fee: Applicable to all visits by Commission personnel to clear a sewer blockage when such blockage is determined to be a private sewer and is cleared by Commission personnel.

Charge: \$75.00 per incident

4. Septic Tank Waste Discharge Fee: Applicable to all discharges of septic tank waste into the NBC system.

A. Charge: \$42 per thousand gallons

B. Uniform Septage Disposal fee: \$1.00 per hundred gallons

5. BOD/TSS Surcharge: (if applicable)

Charge: \$0 per 1,000 pounds of BOD with a concentration of >300 mg/l

Charge: \$0 per 1,000 pounds of TSS with a concentration of >300 mg/l

* To be assessed as the result of compliance with an industrial permit of NBC requirement.

6. Abatement Application Fee: Applicable to all applicants who request an abatement to sewer user fees charged.

Payable at the time of application.

Charge: \$36.00

7. Credit Card Transaction Fee: For payments with credit cards NBC will charge a fee of 1.75% rounded up to the nearest \$0.50 of the user-selected amount, plus \$1.00

SCHEDULE A

EFFECTIVE:	CUSTOMER CHARGE	July 1, 2015	July 1, 2016
	CONSUMPTION CHARGE	July 1, 2015	July 1, 2016

Applicability

Applicable throughout the entire territory served by the Field's Point and Bucklin Point Wastewater Treatment Facilities and operated by the Narragansett Bay Commission.

Sewer Use Fee Schedule**RESIDENTIAL**

All residential structures up to and including six (6) dwelling units. All residential condominiums will be billed under residential tariffs regardless of the number of dwelling units per structure/meter.

NBC Service Area:**CUSTOMER CHARGE:**

~~\$ 215.50~~ per dwelling unit per year
\$ 218.80

CONSUMPTION CHARGE:

~~\$ 3.478~~ per hundred cubic feet of 100% of water used
\$ 3.531

RESIDENTIAL WELL CUSTOMERS:

~~\$ 492.38~~ Based upon fixed fee and average annual usage of 79.61 HCF
\$ 499.90

INDUSTRIAL

All structures in which water is utilized for the production and/or manufacturing based operations including non-contact cooling water. As of May 1st, 2010 this category includes industrial laundries as defined by the EPA and categorized by the North American Industry Classification System (NAICCS) code 812332.

CUSTOMER CHARGE:**METER SIZE:****FIXED FEE**

5/8"	\$ 515.00	\$523
3/4"	\$ 770.00	\$782
1"	\$ 1,280.00	\$1,300
1 ½"	\$ 2,568.00	\$2,607
2"	\$ 4,101.00	\$4,164
3"	\$ 7,684.00	\$7,802
4"	\$ 12,804.00	\$13,000
6"	\$ 25,618.00	\$26,010
8"	\$ 40,988.00	\$41,615
10"	\$ 58,922.00	\$59,824

CONSUMPTION CHARGE:**NBC Service Area:**

~~\$ 3.242~~ per hundred cubic feet of 100% of water used.
\$ 3.292

COMMERCIAL

All other structures. This includes mixed use structures (i.e., combined residential/non-residential) and half-way houses and/or boarding type facilities where unrelated persons rent rooms.

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CONSUMPTION CHARGE:

NBC Service Area: ~~\$ 5.043~~ per hundred cubic feet of 100% of water used.
\$ 5.120

BILLING

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97	Motor Vehicle Service/Washing Operations	
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Charge: \$75.00 per incident

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B. Uniform Septage Disposal fee: \$1.00 per hundred gallons

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Charge: \$0 per 1,000 pounds of BOD with a concentration of >300 mg/l

Charge: \$0 per 1,000 pounds of TSS with a concentration of >300 mg/l

* To be assessed as the result of compliance with an industrial permit of NBC requirement.

6. Abatement Application Fee: Applicable to all applicants who request an abatement to sewer user fees charged.
Payable at the time of application.

Charge: \$36.00

7. Credit Card Transaction Fee: For payments with credit cards NBC will charge a fee of 1.75% rounded up to the nearest \$0.50 of the user-selected amount, plus \$1.00

SCHEDULE A

EFFECTIVE: CUSTOMER CHARGE July 1, 2016
CONSUMPTION CHARGE July 1, 2016

Applicability

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All residential structures up to and including six (6) dwelling units. All residential condominiums will be billed under residential tariffs regardless of the number of dwelling units per structure/meter.

NBC Service Area:**CUSTOMER CHARGE:**

\$ 218.80 per dwelling unit per year

CONSUMPTION CHARGE:

\$ 3.531 per hundred cubic feet of 100% of water used

RESIDENTIAL WELL CUSTOMERS:

\$ 499.90 Based upon fixed fee and average annual usage of 79.61 HCF

INDUSTRIAL

All structures in which water is utilized for the production and/or manufacturing based operations including non-contact cooling water. As of May 1st, 2010 this category includes industrial laundries as defined by the EPA and categorized by the North American Industry Classification System (NAICCS) code 812332.

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2"	\$4,164
3"	\$7,802
4"	\$13,000
6"	\$26,010
8"	\$41,615
10"	\$59,824

CONSUMPTION CHARGE:**NBC Service Area:**

\$ 3.292 per hundred cubic feet of 100% of water used.

COMMERCIAL

All other structures. This includes mixed use structures (i.e., combined residential/non-residential) and half-way houses and/or boarding type facilities where unrelated persons rent rooms.

<u>CUSTOMER CHARGE:</u>	<u>METER SIZE:</u>	<u>FIXED FEE</u>
	5/8"	\$523
	3/4"	\$782
	1"	\$1,300
	1 ½"	\$2,607
	2"	\$4,164
	3"	\$7,802
	4"	\$13,000
	6"	\$26,010
	8"	\$41,615
	10"	\$59,824

CONSUMPTION CHARGE:

NBC Service Area: \$ 5.120 per hundred cubic feet of 100% of water used.

BILLING

Residential - Fixed fees and consumption to be billed monthly.

Condominiums (residential) - Fixed fees and consumption bills to be rendered to property owners and/or associations monthly.

Industrial - Fixed fees and consumption to be billed monthly.

Commercial - Fixed fees and consumption to be billed monthly.

Industrial Surcharge - If any, to be billed with consumption.

PAYMENT

All bills are due and payable upon receipt. Interest will be charged 30 days after the billing date at the rate of 1% per month on any unpaid balance, including any outstanding interest charges.

SCHEDULE B**Miscellaneous Charges****EFFECTIVE:**

Pretreatment Annual Permit Fee:	June 30, 2003
New Sewer Connection Fee:	July 1, 2005
Septic Tank Waste Discharge Fee:	
A. Septic Tank Waste Discharge Fee:	May 6, 2005
B. Uniform Septage Disposal Fee:	April 1, 2008
Sewer Back-up Removal Fee:	March 24, 1995
Abatement Application Fee:	January 29, 2001
Credit Card Transaction Fee	On or after February 2, 2011
BOD/TSS Surcharge:	January 1, 2013

1. Pretreatment Annual Permit Fee: Applicable to all users regulated under R.I.G.L. 46-25-25 and the NBC's Rules and Regulations.

CAT #	User Classification	Annual Permit Fee
11	Electroplater/Metalfinisher	
	Flow < 2,500 GPD	\$1,811
	Flow ≥ 2,500 < 10,000 GPD	\$3,623
	Flow ≥ 10,000 GPD < 50,000	\$7,246
	Flow ≥ 50,000 GPD < 100,000 GPD	\$10,144
	Flow ≥ 100,000	\$10,869
12	Metal Molding and Casting	\$1,087
13	Organic Chemical Manufacturers	\$7,246
14	Other Categorical Industries	\$1,087
15	Metal Formers	\$5,797
21	Tubbing/Vibratory/Mass Finishing	
	Flow < 5,000 GPD	\$725
	Flow ≥ 5,000 GPD	\$1,449
22	Chemical Transporters, Refiners, Recyclers, Manufacturers	\$2,898
23	Textile Processing Firms	
	Flow < 2,500 GPD	\$1,449
	Flow ≥ 2,500 < 10,000 GPD	\$3,768
	Flow ≥ 10,000 < 50,000	\$5,072
	Flow ≥ 50,000 GPD	\$7,246

CAT #	User Classification	Annual Permit Fee
24	Printers	
	Gravure	\$3,623
	Other Flow \geq 2,500 GPD	\$1,087
	Other Flow < 2,500 GPD	\$725
25	Industrial Laundries	\$3,623
26	Machine Shops/Machinery Rebuilders	\$1,449
27	Other firms discharging toxics and/or prohibited pollutants	
	Flow \geq 10,000 GPD	\$2,898
	Flow \geq 2,500 GPD < 10,000 GPD	\$1,449
	Flow < 2,500 GPD	\$725
28	Central Treatment Facilities - Hazardous Waste	\$14,492
29	Central Treatment Facilities	\$4,348
	Non-Hazardous Waste	
34	Manufacturers with high BOD/TSS wastestreams	
	Flow \geq 100,000 GPD	\$5,797
	50,000 GPD \leq Flow < 100,000 GPD	\$3,623
	10,000 GPD \leq Flow < 50,000 GPD	\$1,811
	Flow < 10,000 GPD	\$1,087
35	Other facilities discharging conventional pollutants	
	Flow \geq 10,000 GPD	\$1,449
	Flow < 10,000 GPD	\$725
37	Automotive Maintenance/Service Facilities	
	Small \leq 2 Bays	\$435
	Large \geq 3 Bays	\$1,449
40	Groundwater Remediation/Excavation Projects	
	Flow \geq 10,000 GPD	\$1,449
	Flow < 10,000 GPD	\$725
41	Recycle or Disconnected Electroplating or Chemical Processes	\$725
42	Other Process Operations Disconnected or Recycled	\$290
43	Recycle or Disconnected Electroplating or Chemical Processes with Cooling Water or Boiler Discharges	\$870

CAT #	User Classification	Annual Permit Fee
44	Other Recycled or Disconnected Process Operations with Cooling Water or Boiler Discharges	\$362
46	Cooling Water with Solvent, Toxic and/or Hazardous Chemicals on Site	\$362
49	Other Discharges with Solvents, Toxics and/or Hazardous Chemicals on Site	
	Flow \geq 10,000 GPD	\$1,087
	Flow < 10,000 GPD	\$725
51	Cooling Water with No Solvents, Toxic or Hazardous Chemicals on Site	\$362
52	Boiler Blowdown/Condensate Discharges	\$362
53	Cooling Tower Discharges	\$362
59	Other Non-Toxic Industrial Discharges	
	Flow \geq 5,000 GPD	\$725
	Flow < 5,000 GPD	\$362
80	Septage Haulers/Dischargers	\$435
81	Food/Fish/Meat/Produce Processing (wholesale)	
	Flow < 1,000 GPD	\$362
	1,000 GPD \leq Flow < 10,000 GPD	\$725
	Flow \geq 10,000 GPD	\$1,449
82	Supermarkets (Retail Food Processing)	\$725
83	Parking Garages/Lots	\$725
84	Cooling Water/Groundwater/Boiler Discharges with Potential to Discharge Conventional Pollutants	\$362
85	Restaurants	
	< 50 seats	\$217
	\geq 50 seats < 100 seats	\$435
	>100 seats of fast food (2 or more fryolators and/or drive through window)	\$580
86	Commercial Buildings with Cafeteria and/or laundry operations	\$725
89	Other Commercial Facilities with Potential to Discharge Conventional Pollutants	
	< 2,500 GPD	\$362
	\geq 2,500 GPD	\$725

CAT #	User Classification	Annual Permit Fee
90	Hospitals	\$3,623
91	Cooling Water/Groundwater/Boiler Discharges with Potential to Discharge Toxic, Prohibited and/or Conventional Pollutants	\$362
92	Laundries/Dry Cleaners	
	Laundromats	\$725
	Dry Cleaners with 1 washer or less	\$362
	Dry Cleaners with ≥ 2 washers	\$725
93	Photo Processing	
	< 1,000 GPD	\$362
	1,000 GPD \leq Flow < 2,500	\$725
	2,500 GPD - 5,000 GPD	\$1,087
	> 5,000 GPD	\$1,449
94	X-Ray Processing	
	≤ 2 processors	\$362
	3 - 4 processors	\$725
	5 - 9 processors	\$1,087
	≥ 10 processors	\$1,449
95	Clinical, Medical and Analytical Laboratories	\$725
96	Funeral Homes/Enbalming Operations	\$362
97	Motor Vehicle Service/Washing Operations	
	rate per tunnel	\$725
	rate per bay	\$217
	maximum rate per facility	\$1,449
99	Other Commercial Users with Potential to Discharge Toxic, Prohibited and/or Conventional Pollutants	
	Flow < 2,500 GPD	\$362
	Flow $\geq 2,500$ GPD	\$725

NOTE: All flow rates are based upon operating days.

2. New Sewer Connection Fee: Applicable to all applications for a new service connection directly or indirectly to NBC facilities. Payable at the time of application.

Residential	\$260	per connection
Commercial	\$779	per connection
Industrial	\$779	per connection

3. Sewer Back-up Removal Fee: Applicable to all visits by Commission personnel to clear a sewer blockage when such blockage is determined to be a private sewer and is cleared by Commission personnel.

Charge: \$75.00 per incident

4. Septic Tank Waste Discharge Fee: Applicable to all discharges of septic tank waste into the NBC system.

A. Charge: \$42 per thousand gallons

B. Uniform Septage Disposal fee: \$1.00 per hundred gallons

5. BOD/TSS Surcharge: (if applicable)

Charge: \$0 per 1,000 pounds of BOD with a concentration of >300 mg/l

Charge: \$0 per 1,000 pounds of TSS with a concentration of >300 mg/l

* To be assessed as the result of compliance with an industrial permit of NBC requirement.

6. Abatement Application Fee: Applicable to all applicants who request an abatement to sewer user fees charged.

Payable at the time of application.

Charge: \$36.00

7. Credit Card Transaction Fee: For payments with credit cards NBC will charge a fee of 1.75% rounded up to the nearest \$0.50 of the user-selected amount, plus \$1.00

1 NARRAGANSETT BAY COMMISSION

2
3 PRE-FILED DIRECT TESTIMONY
4 OF WALTER E. EDGE JR., MBA CPA
5

6
7
8 **Q. Good morning Mr. Edge. Would you please give your name and business address for the**
9 **record?**

10 A. My full name is Walter Edward Edge Jr., MBA, CPA and I work for the firm of B&E Consulting LLC
11 at 21 Dryden Lane, Providence, RI 02904.
12

13 **Q. What is B&E Consulting LLC?**

14 A. B&E Consulting (B&E) is an accounting and consulting firm that specializes in providing
15 accounting and consulting services to small businesses, municipalities, utilities and individuals.
16

17 **Q. Are you the same Walter Edge who has testified as an expert accounting and rate witness in**
18 **previous rate filings for Narragansett Bay Commission (NBC or Commission) and others?**

19 A. Yes. I have provided expert accounting and rate testimony before the Rhode Island Public
20 Utilities Commission (PUC) for NBC and many other clients. Some of the other clients include
21 Interstate Navigation Company, Block Island Power Company, Pawtucket Water Supply Board,
22 Woonsocket Water, Osram Sylvania, and Stone Bridge Fire District.
23

24 **Q. What is the purpose of your testimony?**

25 A. As part of Docket 4364 (PUC Order 21133) the PUC approved the NBC's "request to continue
26 with its current debt service compliance filing mechanism until 2017." (Errata Order dated
27 August 19, 2013). I am providing testimony and schedules in support of a debt service and debt
28 service coverage allowance rate increase needed to be effective July 1, 2016 and specifically
29 addressing the requirements for a debt service compliance filing as set forth originally in the
30 Report and Order from Docket 3905.
31

1 **Q. Is this NBC's first filing for debt service relief under the compliance requirements set forth in**
2 **Docket 3905?**

3 A. No. NBC has filed this same type of filing in Docket 4151 (March 2, 2010), Docket 4214
4 (November 24, 2010), Docket 4305 (December 20, 2011), Docket 4352 (August 27, 2012), and
5 Docket 4562 (April 21, 2015).

6
7 **Q. Can you please provide an update regarding NBC's debt issuances since the PUC last approved**
8 **a revenue increase for debt service and debt service coverage as part of Docket 4562?**

9 A. Yes. Docket 4562 resulted in new rates to be effective July 1, 2015. Since that time, NBC
10 borrowed \$41,753,500 through the Rhode Island Infrastructure Bank or RIIB (formerly the
11 Rhode Island Clean Water Finance Agency).

12
13 **Q. Why is NBC requesting rate relief for debt service and debt service coverage?**

14 A. The NBC needs rates sufficient to generate revenues that are 125% of debt service. Rate relief is
15 required in order for NBC to demonstrate that its rates are sufficient prior to the issuance of
16 additional long-term debt required to finance the NBC's ongoing Capital Improvement Program
17 and execute NBC's next loan through the RIIB.

18
19 **Q. When does NBC anticipate borrowing from the RIIB and how much will it borrow?**

20 A. NBC plans on borrowing \$23 million from the RIIB within the first six months of calendar year
21 2016.

1 **Q. What are the test year and rate year in this filing?**

2 A. The test year is the rate year from Docket 4562. The rate year (FYE June 30, 2017) reflects the
3 annual debt service in FY 2019 because it is the year with the highest annual debt service within
4 the three year certificate period required by the Trust Indenture based on projected debt
5 service and debt service coverage requirements. NBC must ensure that rates generate sufficient
6 revenue to meet the debt service coverage requirements for the rate year and two succeeding
7 years. This is included in Schedule WEE-1 and the coverage requirements are reflected in
8 WEE-2.

9

10 **Q. Why does NBC need additional capital funds?**

11 A. NBC continues to have a significant capital needs primarily related to the mandated Combined
12 Sewer Overflow (CSO) Abatement Program. NBC has also identified other capital needs related
13 to the wastewater treatment and collection system. The testimony of Mr. Brueckner includes
14 information related to the capital needs as well as an update on the CSO Phase III Facilities in his
15 pre-filed testimony as part of this docket.

16

17 **Q. What projects does the NBC plan on funding with the proceeds of this loan?**

18 A. Based upon updated capital cash flows, the projects that NBC plans to fund with the proceeds of
19 this loan include design of the CSO Phase III Facilities, Field's Point Wastewater Treatment
20 Facility Final Clarifier Improvements, Field's Point Wastewater Treatment Facility Blower
21 Improvements Phase II, Bucklin Point Wastewater Treatment Facility Flood Protection,
22 Blackstone Valley Interceptor (BVI) Interceptor Easements, and the Moshassuck Valley
23 Interceptor Replacement. Other projects that may be funded with proceeds from this bond
24 issue include Interceptor Easement Improvements, Improvements to CSO Interceptors and
25 other projects that are discussed in the testimony of Thomas Brueckner. All projects to be
26 funded through this loan are included on the Rhode Island Department of Environmental
27 Management's 2016 Project Priority List.

28

1 **Q. What is the anticipated draw down period for the expenditure of the loan proceeds?**

2 A. Based upon engineering estimates, NBC plans on expending these funds over a twenty-four
3 month period.

4

5 **Q. What is the revenue increase requested by NBC to support the projected debt issuance in this**
6 **compliance docket?**

7 A. NBC is requesting additional revenue of \$ 1,457,511. This revenue increase represents a
8 percentage increase of 1.48% over test year revenues at current rates.

9

10 **Q. Will all rates increase by 1.48%?**

11 A. No, not all revenue accounts are impacted by the proposed rate increase. Therefore, the
12 uniform across-the-board rate increase on sewer user rates will be 1.53% (See Schedule WEE-5).

13

14 **Q. Would you please provide a list of the compliance debt service filing requirements as set**
15 **forth by the PUC in Docket No. 3905?**

16 A. Certainly. In Docket 4364 NBC had requested the extension of the debt service compliance filing
17 mechanism subject to the original compliance requirements originally established in PUC Order
18 No. 17558 as follows:

19 “Those conditions set forth in Order No. 17558 shall continue to apply. Specifically, all
20 compliance filings seeking a rate increase under the TECP/VRDO program shall:

21

- 22 (1). Be filed no later than sixty days prior to its effective date;
- 23 (2). Be limited for debt service and debt service coverage for CIP projects;
- 24 (3). Contain a revised limited cost of service schedule reflecting the changes to the
- 25 revenue and expense accounts affected by the VRDO/TECP program;

- 1 (4). Contain testimony and schedules in support of the debt service and debt service
2 coverage proposed as well as current and projected annual debt service payment
3 schedule;
- 4 (5). Contain a summary of funds currently available for the CIP program and the
5 projected funding needed for the rate year period;
- 6 (6). Contain a summary of funding received from Rhode Island Clean Water Finance
7 Agency (RICWFA), including funds requested, received, the interest rate, and
8 repayment schedules;
- 9 (7). Contain a summary of how prior years' debt service coverage funds were utilized;
- 10 (8). Contain a calculation of new rates based on a uniform percentage increase to rates;
11 and
- 12 (9). Contain a showing of compliance with prior Commission orders and the
13 requirements of Section 2.11 of the Commission's Rule of Practice and Procedure."
14

15 **Q. Have you provided all of the information needed to be in compliance with the above listed**
16 **requirements?**

17 A. Yes, the required elements are included in this application.
18

19 **Q. Is this filing in compliance with the first item that requires the filing be made no later than**
20 **sixty days prior to the effective date?**

21 A. Yes. NBC is requesting an effective date for this rate request of July 1, 2016. Therefore, this
22 filing has been filed more than sixty days prior to the effective date. The reason for filing this
23 request now is to enable NBC to effectuate NBC's annual borrowing through the RIIB and enable
24 NBC to take advantage of their increased loan capacity available and allocation to NBC.

25 **Q. Is this filing in compliance with the second requirement that limits the compliance filing to**
26 **debt service and debt service coverage for CIP projects?**

27 A. Yes.
28

1 **Q. Does this filing include a rate year cost of service schedule?**

2 A. Yes. A limited cost of service schedule reflecting the changes to the revenue and expense
3 accounts affected by the rate increase needed for debt service and debt service coverage for the
4 rate year which is FY 2017 (See Schedule WEE-1).

5 **Q. In accordance with compliance item four, does the filing contain testimony and schedules in**
6 **support of the debt service and debt service coverage proposed as well as current and**
7 **projected annual debt service payment schedules?**

8 A. Yes, the testimony and detailed calculation schedule (See Schedule WEE-2) explains the rate
9 increase needed to support the debt service and debt service coverage for the rate year in
10 compliance with item four. The projected annual debt service payment schedule and
11 supporting schedules are also provided (See Schedules WEE-2, WEE-8 and WEE-9).

12 **Q. Does this filing contain a summary of funds currently available for the CIP program and the**
13 **projected funding needed for the rate year period as required per compliance item number**
14 **five?**

15 A. Yes. Please see the following table based upon most recently completed cash flows and
16 information from NBC's Engineers:

Capital Improvement Sources and Uses	
Capital Sources:	
Current Capital Funds on hand as of 12/31/15:	
2015 Series B - Unspent Proceeds	\$ 37,456,307
Restricted Funds	32,827,700
Capital Fund	<u>659,812</u>
Total Capital Funds	70,943,819
New Capital Funds	
Estimated Transfer from Restricted August 2016	9,500,000
2016 Series A (SRF 19) less COI	<u>22,690,000</u>
	32,190,000
Total Sources	<u>\$ 103,133,819</u>
Capital Uses:	
Projects Funded by SRF 18	\$ 37,456,307
Projects Funded by SRF 19	22,690,000
Other Capital Improvements	<u>76,197,152</u>
Total Uses	<u>\$ 136,343,459</u>

1 As of December 31, 2015, the unspent proceeds of the 2015 Series B (SRF 18) are \$37.5 million
2 and restricted and capital funds total \$33.5. New capital funds in the rate year included a
3 projected transfer of \$9.5 million into the restricted fund that can be used for "pay as you go"
4 capital from the prior year's debt service coverage and \$23.0 million from NBC's next borrowing
5 through the RIIB (2016 Series A SRF 19). Because the RIIB loans have been closing very late in
6 the fiscal year, new proceeds are not projected to be available until April 2016.

7
8 **Q. Why is NBC planning to borrow at this level when the anticipated capital expenditures over**
9 **the next three years are lower than they have been historically?**

10 A. As I have mentioned in previous testimony, subsidized loans through the RIIB are NBC's lowest
11 cost of capital financing and although NBC will not be spending at as high of a rate over the next
12 few years now that construction of the CSO Phase II Facilities is essentially complete, they are
13 financing a significant capital program over the next few years as well as huge capital
14 expenditure levels in the near future. As is discussed in the testimony of Thomas Brueckner,
15 NBC must continue with the mandated third and final phase of its CSO Abatement Program.
16 Based on pre-design estimates in 2018 dollars, the cost of the selected alternative is \$815
17 million. Taking advantage of the RIIB capacity now will help to mitigate future rate increases
18 and will allow NBC to lock in historic low borrowing costs to the benefit of NBC's ratepayers.

19
20 **Q. Mr. Edge, did you provide a schedule showing a summary of the activity in the restricted**
21 **accounts?**

22 A. Yes (See Schedule WEE-3). This schedule shows in summary the activity in the Debt Service
23 Fund, the Operating Capital Account, and the Restricted Account (part of the restricted Project
24 Fund). This schedule covers the actual activity for these accounts for the period from April 1,
25 2015 through December 31, 2015. Similar schedules were filed in prior Dockets providing the
26 same type of information for the period of September 30, 2006 through March 31, 2015.

1 **Q. Would you please provide the Division of Public Utilities and Carriers and the PUC a summary**
2 **explanation of Schedule WEE-3?**

3 A. Yes. Schedule WEE-3 provides the reader with the actual activity posted to the restricted
4 accounts (those in the “Project Fund” and the “Debt Service Fund”). This schedule begins with
5 the March 31, 2015 balances in the restricted accounts in the Project Fund (\$28,821,304) and
6 the restricted accounts in the Debt Service Fund (\$31,760,720).

7 The schedule then shows the activity for FY 2016 year to date in the restricted accounts in the
8 Project Fund and the restricted accounts in the Debt Service Fund. As of December 31, 2015 the
9 remaining balance in the restricted accounts in the Project Fund was \$35,340,447 and the Debt
10 Service Fund was \$27,811,741. The detail of the pay-as-you-go capital expenditures is shown on
11 schedule WEE-4.

12
13 **Q. Item six requires this filing to contain a summary of funding received from Rhode Island Clean**
14 **Water Finance Agency (RICWFA), including funds requested, received, the interest rate, and**
15 **repayment schedules. Have you provided this information?**

16 A. Yes, see the summary of borrowings from the Rhode Island Infrastructure Bank (formerly the
17 RICWFA) table below and Schedule WEE- 8 which is NBC’s Master Debt Service Schedule for the
18 debt repayment schedule.

Date	Borrowings through RIIB	Funds Requested	Funds Received	Interest Rate and Fees
March 1992	Butler Hospital Project	\$ 1,662,054	\$ 1,662,054	3.764%
March 1992	North Providence Interceptor	2,647,977	2,647,977	3.725%
March 1992	Washington Park Project	3,694,678	3,694,678	2.477%
March 1993	1993 Series Pooled Loan 1	14,781,000	14,781,000	3.669%
June 1994	1994 Series Pooled Loan 2	17,279,000	17,279,000	3.494%
March 1997	1997 Series Pooled Loan 3	8,150,000	8,150,000	3.645%
February 1999	1999 Series Pooled Loan 4	23,955,000	23,955,000	3.532%
November 2001	2001 Series Pooled Loan 5	70,000,000	57,000,000	3.171%
October 2002	2002 Series Pooled Loan 6	70,000,000	57,000,000	1.579%
November 2003	2003 Series Pooled Loan 7	80,000,000	40,000,000	1.849%
December 30, 2004	2004 Series B Pooled Loan 8	40,000,000	40,000,000	1.904%
December 15, 2005	2005 Series B Pooled Loan 9	30,000,000	30,000,000	1.897%
December 21, 2006	2006 Series A Pooled Loan 10	30,000,000	30,000,000	1.770%
December 12, 2007	2007 Series B Pooled Loan 11	25,000,000	25,000,000	1.975%
October 6, 2009	2009 Series A Pooled Loan 12	55,000,000	55,000,000	1.377%
February 12, 2010	2010 Series A Pooled Loan 12	2,000,000	2,000,000	1.022%
June 24, 2010	2010 Series B Pooled Loan 13	25,000,000	20,000,000	2.643%
March 30, 2011	2011 Series A Pooled Loan 14	30,000,000	30,000,000	2.759%
June 28, 2012	2012 Series A Pooled Loan 15	25,000,000	25,750,000	2.588%
June 6, 2013	2013 Series B Pooled Loan 16	80,000,000	25,000,000	2.592%
March 6, 2014	2014 Series A Pooled Loan 17	50,000,000	45,000,000	2.967%
July 31, 2015	2015 Series A Pooled Loan 18	41,753,500	41,753,500	3.049%

Q. In accordance with compliance requirement seven, have you provided a detailed listing of the capital project expenditures purchased using the prior year coverage funds?

A. Yes. This detailed listing is provided on Schedule WEE-4 and the items are consistent with the uses identified in previous Dockets. The totals are also listed on Schedule WEE-3, for the period April 1, 2015 through December 31, 2015. NBC plans to continue to use this restricted carry-forward approach to protect its infrastructure investments and comply with regulatory requirements through completion of interceptor inspection/cleaning and other construction projects as set forth in the NBC's five-year Capital Improvement Program and included under a separate tab in this filing. NBC has and will continue to provide the PUC with the semi-annual capital project compliance reports in the format as approved by the PUC at their December 10, 2009 open meeting.

1 **Q. Does your testimony and schedules provide a calculation of new rates based upon a**
2 **uniformed percentage increase as directed in compliance item eight?**

3 A. Yes, see Schedule WEE-5 which shows the calculation of the percentage increase in sewer user
4 rates based on a uniform increase. In addition, please see Schedule WEE-6 which shows the
5 rate year revenue check and Schedule WEE-7 which provides the ratepayer impact.

6

7 **Q. Item nine requires NBC to be in compliance with all Commission Orders. Is NBC in**
8 **compliance?**

9 A. Yes.

10

11 **Q. Have you provided revised tariff pages?**

12 A. Yes. See the separate tab included in this filing.

13

14 **Q. Does that conclude your pre-filed testimony?**

15 A. Yes.

16

17

Narragansett Bay Commission
Adjusted Rate Year Cost of Service

WEE- 1

	Docket 4562 Test Year*	Adjustment	Rate Year
<u>REVENUES</u>			
User Fee Revenues	\$ 94,967,945		\$ 94,967,945
Miscellaneous	3,224,114		3,224,114
Total Revenue	98,192,059	-	98,192,059
<u>EXPENSES</u>			
Personnel Services	21,739,796		21,739,796
Operating Supplies & Expenses	14,933,901		14,933,901
Special Servies	2,938,084		2,938,084
Debt Service	46,649,758	1,166,009	47,815,767
Debt Coverage	11,662,440	291,502	11,953,942
Total Expense	97,923,979	1,457,511	99,381,490
OPERATING RESERVE	268,080	-	268,080
COST OF SERVICE	98,192,059	1,457,511	99,649,570
RATE YEAR REVENUES AT PRESENT RATES	98,192,059		98,192,059
REVENUE INCREASE	\$ -	\$ 1,457,511	\$ 1,457,511

* Docket 4562 Rate Year approved by PUC. Most current debt service approved and included in rates.

Narragansett Bay Commission
Debt Service Coverage

WEE-2

Fiscal Year	Available for Debt Service	Current Debt Service	RIIB Refunding Savings Credit	Total Debt	Debt Service Coverage	Planned SRF 19	Total Debt Service	Debt Service Coverage
2016	\$ 59,769,709	\$ 43,893,102	-	\$ 43,893,102	1.36	-	\$ 43,893,102	1.36
2017	59,769,709	45,056,105	(59,745)	44,996,360	1.33	11,562	45,007,922	1.33
2018	59,769,709	46,631,962	(75,433)	46,556,528	1.28	66,122	46,622,651	1.28
2019	59,769,709	46,355,345	(74,324)	46,281,021	1.29	1,534,746	47,815,767	1.25
2020	59,769,709	45,789,181	(73,836)	45,715,344	1.31	1,534,351	47,249,695	1.26
2021	59,769,709	45,852,900	(73,694)	45,779,205	1.31	1,534,471	47,313,676	1.26
2022	59,769,709	45,779,812	(71,798)	45,708,014	1.31	1,533,092	47,241,106	1.27
2023	59,769,709	42,617,155	(71,925)	42,545,230	1.40	1,532,149	44,077,379	1.36
2024	59,769,709	41,139,596	(68,405)	41,071,192	1.46	1,531,606	42,602,798	1.40
2025	59,769,709	40,153,510	(67,403)	40,086,107	1.49	1,530,430	41,616,537	1.44
2026	59,769,709	40,151,328	(66,269)	40,085,058	1.49	1,529,692	41,614,750	1.44
2027	59,769,709	39,465,932	(29,424)	39,436,508	1.52	1,528,810	40,965,319	1.46
2028	59,769,709	39,154,473		39,154,473	1.53	1,526,522	40,680,995	1.47
2029	59,769,709	38,993,159		38,993,159	1.53	1,526,224	40,519,383	1.48
2030	59,769,709	37,982,678		37,982,678	1.57	1,525,880	39,508,558	1.51
2031	59,769,709	37,697,485		37,697,485	1.59	1,524,562	39,222,046	1.52
2032	59,769,709	32,508,350		32,508,350	1.84	1,523,407	34,031,758	1.76
2033	59,769,709	30,021,389		30,021,389	1.99	1,522,435	31,543,824	1.89
2034	59,769,709	31,527,525		31,527,525	1.90	1,521,670	33,049,195	1.81
2035	59,769,709	24,071,407		24,071,407	2.48	1,520,027	25,591,434	2.34
2036	59,769,709	16,379,005		16,379,005	3.65	1,519,408	17,898,413	3.34
2037	59,769,709	17,073,374		17,073,374	3.50	1,518,834	18,592,208	3.21
2038	59,769,709	11,882,004		11,882,004	5.03	1,515,032	13,397,036	4.46
2039	59,769,709	11,885,495		11,885,495	5.03	-	11,885,495	5.03
2040	59,769,709	11,881,201		11,881,201	5.03	-	11,881,201	5.03
2041	59,769,709	11,880,886		11,880,886	5.03	-	11,880,886	5.03
2042	59,769,709	11,883,043		11,883,043	5.03	-	11,883,043	5.03
2043	59,769,709	11,880,108		11,880,108	5.03	-	11,880,108	5.03
2044	59,769,709	11,878,525		11,878,525	5.03	-	11,878,525	5.03
2045	59,769,709	2,229,005		2,229,005	26.81	-	2,229,005	26.81
		<u>\$ 913,695,038</u>	<u>\$ (732,258)</u>	<u>\$ 912,962,780</u>			<u>\$ 30,611,032</u>	<u>\$ 943,573,812</u>

**Narragansett Bay Commission
Restricted Activity Summary**

WEE-3

	Project Fund Operating Capital Acct. Restricted Acct	Debt Service Fund Debt/Coverage Restricted	Total
Restricted Balance 3/31/2015	\$ 28,821,304	\$ 31,760,720	\$ 60,582,024
Receipts 4/1/15-6/30/15		13,528,490	13,528,490
Interest 4/1/15-6/30/15	423	486	909
Disbursements FY 2015 4/1/15-6/30/15			
Debt Service		(626,022)	(626,022)
Operating Capital Outlay	(893,940)		(893,940)
Capital Projects	(1,556,796)		(1,556,796)
Restricted Balance 6/30/2015	26,370,991	44,663,674	71,034,665
Composition of the Cash:			
Debt Service Payment Account (includes June int.)		26,889,310	26,889,310
Stabilization Account(includes June int.)		13,095,956	13,095,956
Redemption Account (includes June int.)		1,037	1,037
Operating Capital Account (includes June int.)	1,015,126		1,015,126
Restricted Account	25,745,826		25,745,826
June Transfer	(389,961)	4,677,371	4,287,410
Restricted Balance 6/30/2015	26,370,991	44,663,674	71,034,665

**Narragansett Bay Commission
Restricted Activity Summary**

WEE-3

	Project Fund Operating Capital Acct. Restricted Acct	Debt Service Fund Debt/Coverage Restricted	Total
Restricted Balance 7/1/2015	26,370,991	44,663,674	71,034,665
Receipts 7/1/15-12/31/15		30,205,849	30,205,849
Interest 7/1/15-12/31/15	7,273	3,399	10,672
Disbursements 7/1/15-12/31/15			
Debt Service		(33,558,678)	(33,558,678)
Operating Capital Outlay	(1,864,773)		(1,864,773)
Capital Projects	(2,675,547)		(2,675,547)
Transfer to Project Fund	13,502,503	(13,502,503)	-
Restricted Balance 12/31/2015	35,340,447	27,811,741	63,152,188
Composition of the Cash:			
Debt Service Payment Account (includes Dec. int.)		14,818,797	14,818,797
Stabilization Account(includes Dec. int.)		7,698,838	7,698,838
Redemption Account (includes Dec int.)		1,037	1,037
Operating Capital Account (includes Dec. int.)	3,124,214		3,124,214
Restricted Account	32,831,067		32,831,067
December Transfer	(614,834)	5,293,069	4,678,235
Restricted Balance 12/31/2015	\$ 35,340,447	\$ 27,811,741	\$ 63,152,188

Narragansett Bay Commission
Detail of Capital Project Expenses Disbursed From
Restricted Account

WEE-4

Restricted Activity 4/1/15-6/30/15

Restricted Activity 7/1/15-12/31/15

Project Number	Project Name	Amount	Project Number	Project Name	Amount
10901C	FPWWTF NITROGEN REMOVAL CONST.	9,089	10901C	FPWWTF NITROGEN REMOVAL CONST.	82,491
10907C	FP - BLOWER IMPROVEMENTS	423,812	10907C	FP - BLOWER IMPROVEMENTS	1,419,982
10908D	FPWWTF BLOWER IMPROV. PHASE II - D	7,796	10908D	FPWWTF BLOWER IMPROV. PHASE II - D	97,110
1140100	GREEN HOUSE GAS STUDY	227	1100000	SITE SPECIFIC STUDY	35,570
1140300	GFPWWTF - TUNNEL PUMP STATION IMPROV - D	4,300	1140100	RIVER MODEL DEVELOPMENT	31,765
11602D	BPWWTF - BIOGAS REUSE - D	10,604	1140300	GREEN HOUSE GAS STUDY	7,024
12000D	FPWWTF WIND TURBINE CONSTRUCTION	340	1140400	EVALUATION OF NBC FACILITIES FOR CLIMATE RESILIENCY	2,335
12000C	FPWWTF FLOW CONTROL EFFICIENCY	69,452	11602D	GFPWWTF - TUNNEL PUMP STATION IMPROV - D	3,528
12100C	NEW IM FACILITIES - DESIGN	103,686	11602C	FPWWTF TUN PUMP STAT. IMPROV. - C	478
12500C	UTILITY RELIABILITY IMPROVEMENT	132	12000D	BPWWTF - BIOGAS REUSE - D	170
12700D	FPWWTF LAND ACQUISITION/SITE DEMO	77	12000C	BPWWTF - BIOGAS REUSE	11,242
12700C	FP ELECR SUBSTATION - DESIGN	14,658	12100C	FPWWTF WIND TURBINE CONSTRUCTION	2,500
12900P	FPWWTF ELEC SUBSTATION NO. 1	1,482	12500C	UTILITY RELIABILITY IMPROVEMENT @ FP	73,149
30301D	PHASE II CSO FACILITIES-DESIGN	356,669	12600C	FPWWTF LAND ACQUISITION/SITE DEMO	26,630
30303C	PHASE II CSO OF 106	51,577	12700D	FP ELECR SUBSTATION - DESIGN	264
30307C	PHASE II CSO O37 SOUTH	26,240	12700C	FPWWTF ELEC SUBSTATION NO. 1	108,327
30310C	PHASE II CSO WCSOI NORTH	85,237	12900P	FPWWTF OP AND LAB BLDG REUSE	1,127
30311C	PHASE II CSO WCSOI WEST	61,626	13000D	FPWWTF FINAL CLARIFIER IMPROV. - D	17,589
30312C	PHASE II CSO SCSOI REGULATOR	14,213	13000C	FPWWTF FINAL CLARIFIER IMPROV. - C	2,813
30444D	MOSHASSUCK VALLEY INT.	7,007	30221D	HYDRAULIC SYSTEMS MODELING - Design	138
30455C	IMPROV TO INTERCEPTORS	328	30301D	PHASE II CSO FACILITIES-DESIGN	30,658
30456C	BUTLER HOSPITAL INTRPTR LINING	2,063	30303C	PHASE II CSO WCSOI	8,000
30457P	PROVIDENCE RIVER REHAB	28,209	30304C	PHASE II CSO SCSOI MAIN	7,324
30458P	PHASE II CSO WCSOI NORTH	971	30305C	PHASE II CSO OF 027	205,410
30459C	PHASE II CSO WCSOI WEST	25,732	30438D	INTERCEPTOR EASEMENTS - DESIGN	37,674
30471M	PHASE II CSO SCSOI REGULATOR	4,202	30444D	MOSHASSUCK VALLEY INT. DESIGN	34,415
30472M	PHASE II CSO WCSOI SITE DEMO	8,079	30456C	BUTLER HOSPITAL INTRPTR LINING	355
30501D	INTERCEPTOR EASEMENTS - DESIGN	1,245	30457P	PROVIDENCE RIVER SIPHON REHAB - P	47,595
30600D	MOSHASSUCK VALLEY INT. DESIGN	1,550	30457D	PROV RIVER SIPHON REHAB	24,268
30600C	IMPROV TO INTERCEPTORS FY 2008	59,112	30458P	DOUGLAS/BRANCH AVE. INT. RELIEF - P	4,237
70800C	IMPROV TO INTERCEPTORS FY 2011	255	30459C	IMPROV. TO INTERCEPTORS FY 2015	50,346
80900D	BUTLER HOSPITAL INTRPTR LINING	501	30470M	NORTH PROVIDENCE INT. INSP.	1,102
81000P	PROV RIVER SIPHON REPLACEMENT	12,542	30471M	78" INTERCEPTOR OFF ALLENS AVE.	3,072
81300C	DOUGLAS/BRANCH AVE. INT. RELIEF - P	163,785	30472M	PROVIDENCE AND LINCOLN IIC	144,007
		1,556,796	30473M	LOCKBRIDGE EASEMENT & VALLEY ST. CLEANING & INSP.	1,826
			30501D	INTERCEPTOR EASEMENTS - NBC BVI	3,832
Balance per schedule WEE-3		(1,556,796)	30600D	FLOAT. CONTROL FAC. - DESIGN	101
			30600C	FLOATABLES CONTROL FACILITIES	102,860
Variance		\$ (0)	70800P	OMEGA PUMP STATION IMPROV. - P	1,250
			70800C	OMEGA PS IMPROVEMENT - CONSTRUCTION	25,188
			80900D	BPWWTF NITROGEN REMOVAL DESIGN	879
			80900C	BPWWTF NITROGEN REMOVAL CONST.	1,500
			81000P	BPWWTF UV DISINFECTION IMPROV.	8,992
			81300C	BPWWTF FLOOD PROTECTION	6,422
					2,675,547
			Balance per schedule WEE-3		(2,675,547)
			Variance		\$ (0)

**Narragansett Bay Commission
Calculation of Rate Increase**

WEE-5

Calculation of Percentage Increase in Revenue Requirement

Revenue Increase (WEE-1)	\$ 1,457,511	
Test Year Revenue at Current Rates (WEE-1)	98,192,059	<u>1.48%</u>

Calculation of Across the Board Increase Percentage

Revenue Increase	<u>\$ 1,457,511</u>	(A)
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Revenue Items which could be increased by an across
the board % Increase

Flat Fees Residential	\$ 25,472,531
Measured Fee - Residential	29,287,866
Flat Fees Commercial & Industrial	14,816,439
Measured Fee - Commercial	24,022,083
Measured Fee - Industrial	1,379,390

Total Revenue Available for Increase	<u>\$ 94,978,309</u>	(B)
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Across the Board Percentage Increase	<u>1.53%</u>	(A/B)
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**Narragansett Bay Commission
Rate Year Revenue Check**

WEE-6

	Current Rate	Increase	Proposed Rates	Billing Units	Revenue at Present Rates	Revenue at Proposed Rates
Flat Fees						
Residential	\$ 215.50	1.53%	\$ 218.80	118,202	25,472,531	\$ 25,862,598
Commercial & Industrial						
Meter Size						
5/8"	515	1.53%	523	3,666	1,887,990	1,917,318
3/4"	770	1.53%	782	1,022	786,940	799,204
1"	1,280	1.53%	1,300	1,160	1,484,800	1,508,000
1 1/2"	2,568	1.53%	2,607	841	2,159,688	2,192,487
2"	4,101	1.53%	4,164	1,373	5,630,673	5,717,172
3"	7,684	1.53%	7,802	76	583,984	592,952
4"	12,804	1.53%	13,000	38	486,552	494,000
6"	25,618	1.53%	26,010	47	1,204,046	1,222,470
8"	40,988	1.53%	41,615	13	532,844	540,995
10"	58,922	1.53%	59,824	1	58,922	59,824
Total Commercial & Industrial Flat Fees				8,237	14,816,439	15,044,422
Measured Fees						
Residential	3.478	1.53%	3.531	8,420,893	29,287,866	29,734,173
Commercial	5.043	1.53%	5.120	4,763,451	24,022,083	24,388,869
Industrial	3.242	1.53%	3.292	425,475	1,379,390	1,400,664
Total Measured Fees					54,689,339	55,523,706
Other Revenue					3,224,114	3,224,114
Total Revenue					98,202,423	99,654,840
Target Revenue						99,649,570
Variance						\$ (5,270)

Narragansett Bay Commission
Rate Payer Impact

WEE-7

	Current Rates	Proposed Rates	Dollar Increase	% Increase
73.2 HCF Residential				
Customer Charge	\$ 215.50	\$ 218.80	\$ 3.30	
Consumption	254.59	258.47	3.880	
Total 73.2 HCF Residential	<u>\$ 470.09</u>	<u>\$ 477.27</u>	<u>\$ 7.18</u>	<u>1.53%</u>
5/8" meter, 244 HCF Commercial				
Customer Charge	\$ 515.00	\$ 523.00	\$ 8.00	
Consumption	1,230.49	1,249.28	18.79	
Total 5/8" meter, 244 HCF Commercial	<u>\$ 1,745.49</u>	<u>\$ 1,772.28</u>	<u>\$ 26.79</u>	<u>1.53%</u>
2" meter, 2440 HCF Commercial				
Customer Charge	\$ 4,101.00	\$ 4,164.00	\$ 63.00	
Consumption	12,304.92	12,492.80	187.88	
Total 2" meter, 2440 HCF Commercial	<u>\$ 16,405.92</u>	<u>\$ 16,656.80</u>	<u>\$ 250.88</u>	<u>1.53%</u>
5/8" meter, 244 HCF Industrial				
Customer Charge	\$ 515.00	\$ 523.00	\$ 8.00	
Consumption	791.05	803.25	12.20	
Total 5/8" meter, 244 HCF Industrial	<u>\$ 1,306.05</u>	<u>\$ 1,326.25</u>	<u>\$ 20.20</u>	<u>1.55%</u>
2" meter, 2440 HCF Industrial				
Customer Charge	\$ 4,101.00	\$ 4,164.00	\$ 63.00	
Consumption	7,910.48	8,032.48	122.00	
Total 2" meter, 2440 HCF Industrial	<u>\$ 12,011.48</u>	<u>\$ 12,196.48</u>	<u>\$ 185.00</u>	<u>1.54%</u>

Narragansett Bay Commission - Open Market Bonds

VRDO \$70M 2008 Series A Refunding (Includes fees)											
		\$71.48M 2013 Series A		\$34.970M 2013 Series C		\$39.82M 2014 Series B		\$40.085M 2015 Series A		TOTAL OPEN MARKET	
	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	
FY 2016		1,979,899.40		3,136,650.00		1,656,550.00		1,944,400.00	1,457,162.78	-	10,174,662.18
FY 2017		1,972,650.54		3,136,650.00		1,656,550.00		1,944,400.00	1,972,100.00	-	10,682,350.54
FY 2018		1,976,274.97		3,136,650.00		1,656,550.00		1,944,400.00	1,972,100.00	-	10,685,974.97
FY 2019		1,976,274.97		3,136,650.00		1,656,550.00		1,944,400.00	1,972,100.00	-	10,685,974.97
FY 2020		1,979,899.40		3,136,650.00		1,656,550.00		1,944,400.00	1,972,100.00	-	10,689,599.40
FY 2021		1,972,650.54		3,136,650.00	560,000	1,642,550.00		1,944,400.00	1,972,100.00	560,000	10,668,350.54
FY 2022		1,976,274.97		3,136,650.00	1,875,000	1,581,675.00		1,944,400.00	1,972,100.00	1,875,000	10,611,099.97
FY 2023	1,000,000	1,950,096.91		3,136,650.00	1,915,000	1,486,925.00		1,944,400.00	1,972,100.00	2,915,000	10,490,171.91
FY 2024	2,500,000	1,879,229.55		3,136,650.00	2,785,000	1,369,425.00		1,944,400.00	1,972,100.00	5,285,000	10,301,804.55
FY 2025	3,500,000	1,758,892.26		3,136,650.00	2,165,000	1,245,675.00		1,944,400.00	1,972,100.00	5,665,000	10,057,717.26
FY 2026	4,700,000	1,608,238.01	3,100,000.00	3,059,150.00	1,905,000	1,143,925.00		1,944,400.00	1,972,100.00	9,705,000	9,727,813.01
FY 2027	4,200,000	1,456,827.07	1,545,000.00	2,943,025.00	2,375,000	1,036,925.00	3,175,000	1,865,025.00	1,972,100.00	11,295,000	9,273,902.07
FY 2028	4,200,000	1,312,161.29		2,904,400.00	2,500,000	915,050.00	3,330,000	1,702,400.00	3,215,000	13,245,000	8,806,111.29
FY 2029	4,200,000	1,160,661.20		2,904,400.00	2,615,000	800,250.00	3,500,000	1,531,650.00	3,345,000	13,660,000	8,240,461.20
FY 2030	5,000,000	994,884.57		2,904,400.00	2,750,000	686,856.25	3,670,000	1,352,400.00	3,510,000	14,930,000	7,614,790.82
FY 2031	5,000,000	819,884.59		2,904,400.00	2,865,000	554,137.50	3,855,000	1,164,275.00	3,685,000	15,405,000	6,943,447.09
FY 2032	5,000,000	645,986.40		2,904,400.00	3,005,000	418,656.25	4,045,000	966,775.00	3,870,000	15,920,000	6,252,317.65
FY 2033	5,700,000	450,686.59		2,904,400.00	2,065,000	303,175.00	4,250,000	759,400.00	4,065,000	16,080,000	5,540,661.59
FY 2034	5,700,000	252,059.92		2,904,400.00	5,590,000	125,775.00	4,465,000	541,525.00	4,270,000	20,025,000	4,743,509.92
FY 2035	5,765,000	50,858.35		2,904,400.00			4,660,000	336,700.00	4,480,000	14,905,000	3,998,208.35
FY 2036			1,085,000.00	2,877,275.00			4,870,000	121,750.00	4,705,000	10,660,000	3,481,275.00
FY 2037			6,975,000.00	2,675,775.00					4,940,000	11,915,000	2,922,775.00
FY 2038			7,330,000.00	2,318,150.00						7,330,000	2,318,150.00
FY 2039			7,710,000.00	1,942,150.00						7,710,000	1,942,150.00
FY 2040			8,060,000.00	1,588,200.00						8,060,000	1,588,200.00
FY 2041			8,390,000.00	1,259,200.00						8,390,000	1,259,200.00
FY 2042			8,735,000.00	916,700.00						8,735,000	916,700.00
FY 2043			9,090,000.00	560,200.00						9,090,000	560,200.00
FY 2044			9,460,000.00	189,200.00						9,460,000	189,200.00
FY 2045										-	-
FY 2046										-	-
	56,465,000.00	28,174,391.50	71,480,000.00	74,930,725.00	34,970,000.00	21,593,750.00	39,820,000.00	31,730,300.00	40,085,000.00	34,937,612.78	242,820,000.00
											191,366,779.28

Narragansett Bay Commission - SRF DEBT

	<i>SRF POOL LOAN 1 - \$14.781M</i>		<i>SRF POOL LOAN 2 - \$17.279M</i>		<i>SRF POOL LOAN 3 - \$8.150M</i>		<i>SRF POOL LOAN 4 - \$23.955M</i>		<i>SRF POOL LOAN 5 - \$57M</i>	
	<i>PRINCIPAL</i>	<i>INTEREST</i>	<i>PRINCIPAL</i>	<i>INTEREST</i>	<i>PRINCIPAL</i>	<i>INTEREST</i>	<i>PRINCIPAL</i>	<i>INTEREST</i>	<i>PRINCIPAL</i>	<i>INTEREST</i>
FY 2016	1,020,250.00	18,717.36	1,170,422.00	20,446.11	486,133.00	86,464.44	695,000.00	324,502.50	3,310,000.00	568,718.85
FY 2017					503,940.00	68,421.69	2,520,000.00	267,725.60	2,650,000.00	474,223.05
FY 2018					522,400.00	49,718.08	2,100,000.00	186,136.40	2,680,000.00	389,715.90
FY 2019					541,535.00	30,329.25	1,665,000.00	119,646.50	2,700,000.00	304,416.00
FY 2020					561,372.00	10,230.25	1,220,000.00	68,697.40	2,750,000.00	218,006.25
FY 2021							1,335,000.00	23,576.10	2,750,000.00	130,803.75
FY 2022									2,750,000.00	43,601.25
FY 2023										
FY 2024										
FY 2025										
FY 2026										
FY 2027										
FY 2028										
FY 2029										
FY 2030										
FY 2031										
FY 2032										
FY 2033										
FY 2034										
FY 2035										
FY 2036										
FY 2037										
FY 2038										
FY 2039										
FY 2040										
FY 2041										
FY 2042										
FY 2043										
FY 2044										
FY 2045										
FY 2046										
TOTAL	1,020,250.00	18,717.36	1,170,422.00	20,446.11	2,615,380.00	245,163.71	9,535,000.00	990,284.50	19,590,000.00	2,129,485.05
	\$1,038,967.36		\$1,190,868.11		\$2,860,543.71		\$10,525,284.50		\$21,719,485.05	

	SRF POOL LOAN 6 - \$57M		SRF POOL LOAN 7 - \$40M		SRF POOL LOAN 8 - \$40M		SRF POOL LOAN 9 - \$30M		SRF POOL LOAN 10 - \$30M	
	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
FY 2016	3,008,587.75	393,451.44	1,990,000.00	437,394.80	2,082,000.00	506,711.91	1,471,000.00	343,313.58	1,451,000.00	335,521.13
FY 2017	3,088,525.91	345,329.98	2,029,000.00	397,704.25	2,895,000.00	460,862.53	1,499,000.00	314,725.93	1,476,000.00	309,872.36
FY 2018	3,170,588.04	295,929.93	2,070,000.00	356,505.20	3,009,000.00	405,726.80	1,528,000.00	285,248.70	1,502,000.00	283,553.31
FY 2019	3,254,830.57	245,217.31	2,112,000.00	313,741.10	3,133,000.00	347,600.38	1,558,000.00	254,889.05	1,529,000.00	256,576.73
FY 2020	3,341,311.42	193,157.26	2,155,000.00	269,467.75	3,237,000.00	286,521.51	1,589,000.00	223,732.98	1,556,000.00	228,926.40
FY 2021	3,430,090.07	139,713.98	2,200,000.00	223,628.00	3,393,000.00	222,117.88	1,621,000.00	191,752.16	1,584,000.00	200,587.20
FY 2022	3,521,227.57	84,850.71	2,247,000.00	176,265.10	3,553,000.00	153,865.43	1,653,000.00	158,888.18	1,613,000.00	171,573.70
FY 2023	3,614,786.58	28,529.71	2,295,000.00	127,550.95	2,297,000.00	95,866.98	1,686,000.00	125,163.45	1,642,000.00	141,912.15
FY 2024			2,344,000.00	77,447.30	2,342,000.00	49,358.75	1,720,000.00	90,591.70	1,672,000.00	111,588.30
FY 2025			2,397,000.00	26,007.45	1,266,000.00	12,881.55	1,755,000.00	55,058.08	1,703,000.00	80,580.10
FY 2026							1,793,000.00	18,512.73	1,734,000.00	48,873.00
FY 2027									1,770,000.00	16,416.75
FY 2028										
FY 2029										
FY 2030										
FY 2031										-
FY 2032										
FY 2033										
FY 2034										
FY 2035										
FY 2036										
FY 2037										
FY 2038										
FY 2039										
FY 2040										
FY 2041										
FY 2042										
FY 2043										
FY 2044										
FY 2045										
FY 2046										
TOTAL	26,429,947.91	1,726,180.32	21,839,000.00	2,405,711.90	27,207,000.00	2,541,513.72	17,873,000.00	2,061,876.54	19,232,000.00	2,185,981.13
	\$28,156,128.23		\$24,244,711.90		\$29,748,513.72		\$19,934,876.54		\$21,417,981.13	

	SRF POOL LOAN 11 - \$25M		SRF POOL LOAN 12 - \$55M (\$8. M Forgiveness)		SRF POOL LOAN 12 - \$2M (\$301,895 Forgiveness)		SRF POOL LOAN 13 - \$20M		SRF POOL LOAN 14 - \$30M (\$1,845,345.21 Forgiveness)	
	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
FY 2016	1,258,000.00	395,147.66	1,273,578.72	1,261,040.26	73,018.51	35,937.76	845,000.00	507,913.00	1,154,340.84	804,456.51
FY 2017	1,281,000.00	371,532.66	1,698,104.96	1,229,137.11	74,716.62	34,577.33	862,000.00	489,679.30	1,175,926.08	781,199.69
FY 2018	1,306,000.00	346,953.66	2,476,686.09	1,180,691.75	76,414.72	32,997.16	881,000.00	468,971.20	1,200,326.78	754,929.91
FY 2019	1,331,000.00	321,438.81	2,536,119.76	1,119,267.04	78,961.88	31,224.71	905,000.00	446,236.55	1,228,481.44	725,525.86
FY 2020	1,357,000.00	294,993.33	2,599,798.71	1,053,511.36	80,659.99	29,280.75	927,000.00	421,680.05	1,258,513.06	693,058.57
FY 2021	1,384,000.00	267,650.50	2,666,024.79	983,725.96	83,207.14	27,194.98	953,000.00	395,258.25	1,293,237.14	657,702.94
FY 2022	1,411,000.00	239,489.53	2,739,043.32	910,069.12	85,754.30	24,972.63	979,000.00	366,848.75	1,329,838.20	618,528.84
FY 2023	1,440,000.00	210,479.16	2,814,608.97	832,443.61	89,150.51	22,606.44	1,009,000.00	336,323.95	1,372,070.18	575,212.80
FY 2024	1,469,000.00	180,587.73	2,893,570.85	750,804.81	91,697.67	20,096.73	1,041,000.00	303,720.95	1,417,117.62	528,409.54
FY 2025	1,500,000.00	149,782.80	2,978,476.11	665,060.19	95,093.88	17,443.79	1,074,000.00	269,187.80	1,464,980.54	478,173.43
FY 2026	1,531,000.00	118,069.80	3,065,928.51	575,292.02	97,641.04	14,643.87	1,110,000.00	232,763.29	1,517,535.90	424,550.86
FY 2027	1,563,000.00	85,465.58	3,157,626.18	481,460.47	101,037.25	11,692.98	1,147,000.00	194,446.10	1,571,968.23	367,614.48
FY 2028	1,596,000.00	51,939.46	3,252,720.06	383,210.03	104,433.46	8,579.59	1,187,000.00	154,237.95	1,632,031.49	307,533.48
FY 2029	1,629,000.00	17,471.03	3,354,606.35	280,120.46	108,678.72	5,286.37	1,228,000.00	112,092.10	1,692,094.75	244,535.31
FY 2030			3,459,039.80	172,113.72	112,923.96	1,795.49	1,272,000.00	68,217.10	1,756,850.46	178,569.39
FY 2031		-	3,609,322.07	58,471.01			1,315,000.00	22,946.75	1,824,421.63	109,444.08
FY 2032									1,893,869.77	37,025.15
FY 2033										
FY 2034										
FY 2035										
FY 2036										
FY 2037										
FY 2038										
FY 2039										
FY 2040										
FY 2041										
FY 2042										
FY 2043										
FY 2044										
FY 2045										
FY 2046										
TOTAL	20,056,000.00	3,051,001.71	44,575,255.25	11,936,418.92	1,353,389.65	318,330.58	16,735,000.00	4,790,523.09	24,783,604.11	8,286,470.84
	\$23,107,001.71		\$56,511,674.17		\$1,671,720.23		\$21,525,523.09		\$33,070,074.95	

	SRF POOL LOAN 15 - \$25,750,000 (\$354,202 Forgiveness)		SRF POOL LOAN 16 - \$25M (\$80,965 Forgiveness)		SRF POOL LOAN 17 - \$45,000,000		SRF POOL LOAN 18 - \$41,753,500 (\$512,070 Forgiveness)		TOTAL SRF	
	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
FY 2016	1,077,495.04	578,687.52	1,061,545.46	550,757.34	1,857,000.00	1,138,146.50		126,740.04	25,284,371.32	8,434,068.71
FY 2017	1,089,390.98	565,247.48	1,070,545.46	541,107.16	1,870,000.00	1,134,088.80		805,169.83	25,783,150.01	8,590,604.75
FY 2018	1,105,182.86	549,658.91	981,761.37	530,323.42	1,886,000.00	1,116,615.40	1,034,194.88	1,182,756.35	27,529,554.74	8,416,432.08
FY 2019	1,120,870.68	531,451.11	1,192,185.61	516,690.65	1,905,000.00	1,094,234.25	1,044,986.97	1,174,913.68	27,835,971.91	7,833,398.98
FY 2020	1,140,662.56	510,351.92	1,108,401.52	500,112.89	1,931,000.00	1,066,118.00	1,058,675.12	1,160,340.00	27,871,394.38	7,228,186.67
FY 2021	1,162,350.38	486,737.36	1,125,329.55	481,732.42	1,962,000.00	1,032,227.20	1,074,259.31	1,143,642.39	28,016,498.38	6,608,051.07
FY 2022	1,187,934.14	460,697.07	1,145,257.58	461,004.84	1,998,000.00	992,705.50	1,092,843.50	1,124,453.32	27,305,898.61	5,987,813.97
FY 2023	1,215,517.90	432,510.39	1,166,185.61	438,230.84	2,041,000.00	947,848.95	1,112,427.69	1,102,555.73	23,794,747.44	5,417,235.11
FY 2024	1,244,101.66	401,749.44	1,191,113.64	412,577.14	2,088,000.00	897,971.30	1,135,907.92	1,078,379.08	20,649,509.36	4,903,282.77
FY 2025	1,276,685.41	367,959.49	1,218,041.67	383,534.70	2,140,000.00	843,088.30	1,161,284.21	1,052,472.53	20,029,561.82	4,401,230.21
FY 2026	1,312,165.11	331,641.10	1,247,969.70	351,648.79	2,198,000.00	783,643.20	1,187,660.49	1,023,975.08	16,794,900.75	3,923,613.74
FY 2027	1,348,644.81	293,389.22	1,280,825.76	316,992.79	2,259,000.00	719,322.00	1,218,932.83	992,193.97	15,418,035.06	3,478,994.34
FY 2028	1,389,124.51	254,314.65	1,316,753.80	279,904.25	2,327,000.00	649,710.75	1,251,205.16	957,663.31	14,056,268.48	3,047,093.47
FY 2029	1,428,500.15	214,300.45	1,355,609.86	240,680.51	2,398,000.00	575,630.40	1,287,373.54	920,717.96	14,481,863.37	2,610,834.59
FY 2030	1,469,875.79	170,722.36	1,396,465.92	200,161.30	2,475,000.00	497,159.70	1,325,541.92	881,450.32	13,267,697.85	2,170,189.38
FY 2031	1,514,251.43	125,388.04	1,436,321.98	158,587.15	2,555,000.00	414,276.45	1,365,606.35	840,000.63	13,619,923.46	1,729,114.11
FY 2032	1,559,627.07	77,860.32	1,480,178.04	115,346.75	2,640,000.00	327,119.70	1,408,566.82	796,439.67	8,982,241.70	1,353,791.59
FY 2033	1,610,931.94	26,258.19	1,523,034.10	70,370.43	2,730,000.00	235,820.70	1,453,527.30	750,784.77	7,317,493.34	1,083,234.09
FY 2034			1,565,965.02	23,724.38	2,823,000.00	142,699.35	1,499,487.77	704,138.62	5,888,452.79	870,562.35
FY 2035					2,917,000.00	48,130.50	1,546,448.22	656,619.67	4,463,448.22	704,750.17
FY 2036							1,631,000.00	606,729.51	1,631,000.00	606,729.51
FY 2037							1,683,000.00	552,598.56	1,683,000.00	552,598.56
FY 2038							1,739,000.00	494,853.71	1,739,000.00	494,853.71
FY 2039							1,798,000.00	435,345.16	1,798,000.00	435,345.16
FY 2040							1,859,000.00	374,000.51	1,859,000.00	374,000.51
FY 2041							1,921,000.00	310,685.51	1,921,000.00	310,685.51
FY 2042							1,986,000.00	245,342.56	1,986,000.00	245,342.56
FY 2043							2,052,000.00	177,907.96	2,052,000.00	177,907.96
FY 2044							2,121,000.00	108,324.91	2,121,000.00	108,324.91
FY 2045							2,192,500.00	36,505.13	2,192,500.00	36,505.13
FY 2046										
TOTAL	23,253,312.42	6,378,925.02	23,863,491.65	6,573,487.75	45,000,000.00	14,656,556.95	41,241,430.00	21,817,700.47	387,373,482.99	92,134,775.67
	\$29,632,237.44		\$30,436,979.40		\$59,656,556.95		\$63,059,130.47		\$479,508,258.66	

Narragansett Bay Commission
Draft Debt Service Schedule - SRF 19

WEE-9

	Principal	Interest	Total
2017	\$ -	\$ 11,562	\$ 11,562
2018	-	66,122	66,122
2019	914,000	620,746	1,534,746
2020	929,000	605,351	1,534,351
2021	946,000	588,471	1,534,471
2022	963,000	570,092	1,533,092
2023	982,000	550,149	1,532,149
2024	1,003,000	528,606	1,531,606
2025	1,025,000	505,430	1,530,430
2026	1,049,000	480,692	1,529,692
2027	1,075,000	453,810	1,528,810
2028	1,102,000	424,522	1,526,522
2029	1,133,000	393,224	1,526,224
2030	1,166,000	359,880	1,525,880
2031	1,200,000	324,562	1,524,562
2032	1,236,000	287,407	1,523,407
2033	1,274,000	248,435	1,522,435
2034	1,314,000	207,670	1,521,670
2035	1,355,000	165,027	1,520,027
2036	1,399,000	120,408	1,519,408
2037	1,445,000	73,834	1,518,834
2038	1,490,000	25,032	1,515,032
	<u>\$ 23,000,000</u>	<u>\$ 7,611,032</u>	<u>\$ 30,611,032</u>

1 **NARRAGANSETT BAY COMMISSION**

2

3 **PRE-FILED DIRECT TESTIMONY**

4 **OF THOMAS BRUECKNER, P.E.**

5

6 **Q. Please state your name and address.**

7 A. Thomas Brueckner. My business address is the Narragansett Bay Commission, One
8 Service Road, Providence, Rhode Island 02905.

9

10 **Q. For whom are you employed and what is your position?**

11 A. I am employed by the Narragansett Bay Commission (NBC) as its Engineering Manager.

12 **Q. For how long have you been so employed?**

13 A. I have been employed in this position since August 18, 1998. I began my employment
14 with the NBC in 1984 as the Industrial Pretreatment Program Manager and was
15 promoted to Chief of Operations/Engineering on July 17, 1990 and my title was changed
16 to Engineering Manager in 1998. Prior to my employment with the NBC, I worked for
17 the Blackstone Valley District Commission as their Industrial Pretreatment Program
18 Manager for one year and as Assistant Superintendent for three years.

19 **Q. Have you previously testified before the Rhode Island Public Utilities Commission?**

20 A. Yes. I provided testimony in previous NBC dockets related to NBC's Combined Sewer
21 Overflow Abatement (CSO) program, most recently as part of Docket 4562.

22

23 **Q. What is the purpose of your testimony?**

24 A. To provide the PUC with an update regarding the third and final phase of the CSO
25 program as well as other planned capital improvements.

1 **Q. Would you please take this opportunity to provide some background regarding NBC's**
2 **CSO program?**

3 A. Yes, although I provided similar testimony in Docket 4652, I would like to take this
4 opportunity to provide a framework to facilitate an understanding NBC's regulatory
5 mandates. The Cities of Providence, Pawtucket and Central Falls have combined sewers
6 that overflow at approximately 63 locations during significant wet weather events. The
7 NBC is responsible for the discharges from these overflows. NBC is under a Consent
8 Agreement with the Rhode Island Department of Environmental Management (RIDEM)
9 to implement a federally mandated CSO program that will address the CSO discharges in
10 three phases. Approximately 98% of the annual CSO volume will receive treatment
11 when all the phases are completed. The first phase of the CSO abatement facilities
12 addresses 40% of the CSO volume that will be treated. The second phase addresses
13 20% of the volume and the third phase will address the remaining volume. NBC's CSO
14 Program will mitigate the impact of these overflows through the construction of wet
15 weather control facilities. The current program consists of constructing two tunnels, the
16 Main Spine tunnel (16,000 feet long) and the Pawtucket tunnel (13,000 feet long), two
17 tunnel pump stations, five CSO interceptors, one wetland facility and seven sewer
18 separation projects.

19 The first phase is complete and became operational in October 2008. It involved the
20 construction of the Main Spine tunnel, drop shafts, and Tunnel Pump Station at a cost of
21 approximately \$348 million. Since completion of construction of Phase I, over 5 billion
22 gallons of flows that previously would have overflowed directly into rivers and
23 Narragansett Bay have been stored and treated.

24 Construction of the CSO Phase II Facilities began in September 2011 and includes
25 construction of two main interceptors, four sewer separation contracts and a wetlands
26 treatment facility. This project became operational in December 2014 and all
27 construction is complete with the exception of punch list items. The project cost
28 estimate carried in NBC's FY 2016-2020 Capital Improvement Program was \$215 million
29 and NBC projects that it will finish the project under budget and is currently estimating a
30 construction cost of \$177.5 million. Although I was involved in the design of the CSO
31 Phase II Facilities, the construction management function is the responsibility of NBC's

1 Director of Construction Services. The following table shows the updated cost
 2 projections and percent complete for the CSO Phase II Facilities:

Contract #	Project Name	Estimated/Actual Cost (In Thousands)	Percent Complete
Contracts Completed/Punch List Remaining:			
30302C	OF 106 Facilities	\$ 5,518	100%
30303C*	WCSOI Main	77,171	100%
30304C	SCSOI Main	20,906	100%
30305C	OF027 Sewer Separations	12,402	100%
30306C	OF 037 West	10,096	100%
30307C	Sewer Separation/Flow Modification OF-037 South	9,093	100%
30308C	Sewer Separation/Flow Modification OF-037 North	7,287	100%
30309C	WCSOI Regulator	942	100%
30310C	Woonasquatucket CSO Interceptor- North	552	100%
30311C	Woonasquatucket CSO Interceptor- West	10,266	100%
30312C	SCSOI Regulator	736	100%
30313C	WCSOI Site Demo	123	100%
30314C	WCSOI OF 054	2,430	100%
Subtotal - Completed Projects		157,522	
Contracts in-progress			
30301RS	Program and Construction Management	19,932	96%
Subtotal - Contracts In-Progress		19,932	
Total - CSO Phase II Facilities		\$ 177,454	99.5%

3 * Complete, contract remains open pending litigation

4 **Q. Can you please provide an update on the status of the CSO Phase III reassessment?**

5 A. Yes. NBC's Consent Agreement with Rhode Island Department of Environmental
 6 Management (RIDEM) for the CSO Program requires NBC to complete preliminary
 7 design of the Phase III CSO facilities within one year of completion of construction of
 8 Phase II and final design one year after approval of the preliminary design. The CSO
 9 facilities to be built in Phase III are described in a Conceptual Design Report Amendment
 10 (CDRA) approved by RIDEM nearly twenty years ago in 1998. These facilities include a
 11 13,000 foot long deep rock tunnel, five sewer separation projects and three CSO
 12 Interceptors to convey flow to the Phase III tunnel. NBC initiated a reevaluation of the
 13 Phase III facilities proposed in the CDRA to determine if there is a more cost effective
 14 approach that could either reduce the cost or extend the schedule of Phase III by
 15 employing new techniques and approaches that are now available, specifically
 16 Integrated Planning, Affordability Analysis and Green Technology.

NBC hired an engineering firm, MWH, to perform engineering services for the Reevaluation of Phase III of the NBC CSO Program and the work began in January 2014. The scope of work included the following:

- Development of a sewer hydraulic model for the Bucklin Point Service Area to be used in design of the Phase III facilities;
- For each overflow, an evaluation to determine if the recommended abatement method proposed in the CDRA is still the most cost effective, including an evaluation of green infrastructure alternatives, particularly where sewer separation is currently proposed, to reduce or eliminate storm water at its source;
- Evaluation of changes in water quality since Phase I went on line to determine if Phase III is still necessary, and if so, to determine if the facilities required now to meet water quality standards could be reduced in scope;
- Development of a cost estimate for Phase III, including the evaluation of the impact on sewer rates, and conducting an affordability analysis based on Environmental Protection Agency (EPA) criteria and using an Integrated Planning Framework (IPF) approach to establish priorities
- Establishment of a Stakeholders Group to update them on progress to date and obtain input on the Phase III Reevaluation;

As a result of this study, four alternatives were developed including the original alternative included in the CDRA. Costs were also developed and an affordability analysis was completed for each of the alternatives. During this time a number of Stakeholder meetings were held to discuss the alternatives and the project was also discussed with NBC's Board of Commissioners at several meetings and technical sessions. The Board selected an alternative at their April 28, 2015 Board meeting that has a pre-design design and construction cost of \$815 million as 2018 dollars as opposed to the costs carried in the FY 2016-2021 Capital Improvement Program (CIP) of \$604 million. The other significant change is the proposed phasing of the program. The schedule for completion of the project has been increased from 2025 (9 years) to 2038 (22 years). Therefore, although the estimated costs are higher, the costs are shifted out.

1 **Q. What is the current status of this project?**

2 A. NBC submitted the final reevaluation report to RIDEM in July 2015 and RIDEM had
3 indicated that their review would be completed by the end of January although NBC has
4 not yet received comments. Once the RIDEM review and approval is complete, the
5 existing Consent Agreement between NBC and RIDEM will be renegotiated establishing
6 new milestones for the program's completion. Subsequent to approval, NBC will initiate
7 preliminary design which is expected to take eighteen months.

8 **Q. What is the estimated cost for the first phases of the design associated with Phase III?**

9 A. The selected alternative essentially breaks the project into four phases. NBC anticipates
10 that approximately \$6 million is needed to complete the preliminary design over the
11 next 12 months and that a total of \$35 million is needed to complete design of the
12 Phase 3A which is the Pawtucket Tunnel and associated drop shafts and conduits for a
13 total cost of \$36.7 million for the reevaluation and design. Construction of the first
14 "phase" is estimated at \$554 million and is projected to begin in fiscal year 2020. Keep
15 in mind that these are preliminary estimates in 2018 dollars and will be revised as the
16 project proceeds through design.

17

18 **Q. What other projects does NBC plan on funding with the proceeds of this the**
19 **anticipated loan from the Rhode Island Infrastructure Bank (RIIB) referenced in Mr.**
20 **Edge's testimony ?**

21 A. The most significant projects are Improvements to the Field's Point Wastewater
22 Treatment Facility Final Clarifier Improvements, Phase II of the Field's Point Wastewater
23 Treatment Facility Blower Improvements, Bucklin Point Wastewater Treatment Facility
24 Flood Protection, the Blackstone Valley Interceptor (BVI) Interceptor Easements and the
25 Moshassuck Valley Interceptor Replacement.

26

27

1 **Q. Does NBC have other capital needs related to projects included in the published 2017-**
2 **2021 CIP and/or new projects not identified in the CIP that are identified as being**
3 **partially funded, funded through restricted funds, funded through new RIIB loans, or**
4 **have not yet been identified as being funded?**

5 A. Yes. NBC is currently funding a number of capital projects through the use of pay-as-
6 you-go capital including most notably Phase I Construction and Phase II Design of the
7 Field's Point Blower Improvements, Construction of the Field's Point Electrical
8 Substation, Design of the Providence River Siphon Replacement and other studies. NBC
9 also has unfunded costs associated with the CSO Phase III design of approximately \$16
10 million and estimated land/easement costs associated with CSO Phase III of \$8 million.
11 In addition to programmed interceptor and easement projects, additional interceptor
12 improvements/extensions/easements have also been identified at estimated costs of
13 \$15 million. NBC is also exploring a net metering wind energy project and has other
14 studies programmed related to anticipated regulatory requirements.

15

16 **Q. Does this conclude your testimony?**

17 A. Yes.

Narragansett Bay Commission
Capital Project Compliance Reporting
Period Ending: December 31, 2015

Project	Actual / Projected Start Date	Actual / Projected Completion Date	Total Estimated Project Cost	Total Paid to Date	Percent Complete*
10907C - FP Blower Improvements	Sep-14	Apr-16	\$ 2,804,011	\$ 2,072,914	73.9%
10908D - FPWWTF Blower Improvements Phase II - Design	Mar-15	Sep-16	654,844	114,956	17.6%
10908C - FPWWTF Blower Improvements Phase II - Construction	Aug-16	Jul-18	2,140,000	-	0.0%
1100000 - Site Specific Study	Jun-03	Jun-17	456,806	211,366	46.3%
1140100 - River Model Development	Mar-05	Jan-18	525,242	322,259	61.4%
1140200 - Receiving Water Compliance Evaluation	Jul-17	Jun-18	300,000	-	0.0%
1140300 - Green House Gas Study	Oct-14	May-17	405,000	23,852	5.9%
1140400 - Evaluate NBC Facilities for Climate Resiliency	Oct-15	Jun-17	153,000	2,525	1.7%
11602C - FPWWTF Tunnel Pump Station Improvements - Construction	Jun-15	May-17	963,524	42,143	4.4%
11900C - Regulatory Compliance Building - Construction	Jun-13	Jul-17	21,152,524	13,004,970	61.5%
12000C - BPWWTF - Biogas Reuse - Construction	Jan-15	May-18	8,052,000	617,407	7.7%
12400D - New IM Facilities - Design	Mar-15	Sep-17	557,000	132	0.0%
12400C - New IM Facilities - Construction	Mar-18	Jul-20	6,052,000	-	0.0%
12700C - FP Electrical Substation No. 1 -Construction	Sep-14	Mar-17	1,618,000	161,860	10.0%
12800P - Bucklin Point Solar Energy, Planning	Jan-16	Jul-16	54,980	-	0.0%
12800D - Bucklin Point Solar Energy, Design	Jan-16	Sep-16	166,000	-	0.0%
12800C - Bucklin Point Solar Energy, Construction	Jun-16	Nov-16	7,275,000	-	0.0%
12900P - FPWWTF Operations and Laboratory Building Reuse, Planning	Jul-14	Nov-16	74,000	7,361	9.9%
12900D - FPWWTF Operations and Laboratory Building Reuse, Design	Nov-16	Jan-18	340,000	-	0.0%
12900C - FPWWTF Operations and Laboratory Building Reuse, Construction	Apr-18	Mar-20	976,000	-	0.0%
13000D - FPWWTF Final Clarifier Improvements - Design	Jul-15	May-16	117,000	20,542	17.6%
13000C - FPWWTF Final Clarifier Improvements - Construction	Jul-15	Dec-18	2,736,000	3,926	0.1%
30301RS - Phase II CSO Facilities Program & Construction Management	Oct-10	Aug-16	19,931,855	19,055,001	95.6%
30302C - Phase II CSO Facilities - OF 106	Feb-12	May-16	5,518,088	5,465,237	99.0%
30303C - Phase II CSO Facilities - WCSOI	Dec-11	Jun-16	78,337,523	75,011,936	95.8%
30304C - Phase II CSO Facilities - SCSOI Main	Feb-12	Jun-16	20,905,923	20,131,080	96.3%
30306C - Phase II CSO Facilities - OF 037 West	May-11	Dec-15	10,096,390	9,804,253	97.1%
30307C - Phase II CSO OF 037 South	Jan-13	Jul-16	10,093,848	7,375,569	73.1%
30308C - Phase II CSO OF 037 North	Feb-13	Dec-15	8,119,778	7,286,710	89.7%
30400C - Repair and Construction of CSO Interceptors	Jul-01	Ongoing	6,000,000	-	0.0%
30400M - Inspection & Cleaning of CSO Interceptors	Jul-01	Ongoing	2,450,852	-	0.0%
30421C - Louisquisset Pike Interceptor Replacement - Construction	Nov-16	Apr-18	2,898,000	-	0.0%
30438C - Interceptor Easements AVI - Construction	Jan-16	Feb-17	753,500	-	0.0%
30444D - Moshassuck Valley Interceptor - Design	Nov-11	May-16	410,968	253,333	61.6%
30444C - Moshassuck Valley Interceptor - Construction	Jul-16	Oct-17	3,984,000	-	0.0%
30457D- Providence River SiphonRehab-Design	Oct-15	Oct-16	301,029	27,828	9.2%
30457C- Providence River Siphon-Construction	Jun-16	Jun-17	805,000	-	0.0%
30459C - Improvements to Interceptors FY 2015	Apr-14	Jan-17	1,218,160	703,761	57.8%
30462C - Improvements to Interceptors FY 2016	Jan-16	Dec-17	1,327,000	-	0.0%
30472M - Providence and Lincoln Interceptor Inspection and Cleaning	Jan-15	Jan-16	220,000	156,277	71.0%
30473M - Lockbridge Easement & Valley Street Cleaning and Inspection	Oct-15	Jul-16	385,000	1,826	0.5%
30500D - NBC Interceptor Easements, Various Locations - Design	Jul-16	Aug-18	722,000	-	0.0%
30500C - NBC Interceptor Easements, Various Locations - Construction	Mar-18	Sep-19	632,000	-	0.0%
30501D - NBC Blackstone Valley Interceptor Easements Restoration - Design	Sep-09	Sep-16	497,514	246,475	49.5%
30501C - NBC Blackstone Valley Interceptor Easements Restoration - Construction	Jan-16	May-17	746,000	-	0.0%
30700D - NBC System-Wide Facilities Planning	Apr-17	Mar-19	509,000	-	0.0%
30800D - Phase III CSO Facilities - Design	Apr-13	Dec-35	83,509,779	1,627,194	1.9%
30800C - Phase III CSO Facilities - Construction	Feb-20	Dec-38	731,490,000	-	0.0%
40100P - NBC Facility Electrical Improvements	May-16	Jun-17	130,000	-	0.0%
40200D - NBC Systemwide Inflow Reduction, Design	Nov-16	Jun-20	330,000	-	0.0%
40200C - NBC Systemwide Inflow Reduction, Construction	Jun-17	Sep-20	551,000	-	0.0%
40300P - Municipal Sewer Acquisition Impact	Jul-16	May-17	296,000	-	0.0%
70800C - Omega Pump Station Improvements, Construction	Jul-15	Apr-16	84,000	25,289	30.1%
81300C - BPWWTF Flood Protection	Jun-15	Mar-18	1,282,000	9,216	0.7%

* Percent complete is calculated by dividing the Total Paid to Date by Total Estimated Project Cost.

Narragansett Bay Commission Docket #4562
Compliance Reporting on Restricted Accounts for FY 2016

	Cash Receipts	Capital/Debt 0.000%	Restricted Account 0.000%	Debt	Debt Interest	Total Debt & Debt Interest	Debt Coverage	Special Master	Operating Reserve for Revenue Stability Fund
Percentage									
Receipts:									
Beginning Balance		625,165.12	25,745,826.57			33,645,038.42	11,018,636.30	161,688.58	4,500,022.55
Reallocation of funds to required balance:						(7,161,238.71)	7,161,238.71		
						26,483,799.71	18,179,875.01		
*7/28/2015									(22.55)
**8/26/2015		3,748,293.48	9,754,209.91				(13,502,503.39)	(161,688.58)	
		4,373,458.60	35,500,036.48	0.00	0.00	26,483,799.71	4,677,371.62	0.00	4,500,000.00
July-15	8,641,359.32	4.99	132.85	4,105,509.81	210.09	4,105,719.90	1,026,593.49	0.84	23.30
August-15	8,534,535.66	23.20	332.17	4,054,757.89	465.18	4,055,223.07	1,013,902.84	1.12	51.20
September-15	8,754,016.28	105.78	859.30	4,159,033.13	98.97	4,159,132.10	1,039,977.13	0.00	113.58
October-15	8,731,456.37	99.74	834.91	4,148,314.92	218.27	4,148,533.19	1,037,297.02	0.00	110.87
November-15	7,286,401.65	117.23	1,051.20	3,461,769.42	452.63	3,462,222.05	865,624.52	0.00	141.12
December-15	8,912,390.68	343.98	3,367.92	4,234,276.81	1,953.37	4,236,230.18	1,058,792.01	0.00	460.65
January-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
February-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
March-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
April-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	50,860,159.96	4,374,153.52	35,506,614.83	24,163,661.98	3,398.51	50,650,860.20	10,719,558.63	1.96	4,500,900.72
Expenses:									
July-15		157,899.00	114,638.52			19,373.76	-	-	-
August-15		122,174.46	310,173.81			478,319.19	-	-	-
September-15		246,384.01	1,045,089.89			32,936,898.29	-	-	-
October-15		426,582.83	272,216.30			15,077.28	-	-	-
November-15		296,898.69	283,670.51			953.33	-	-	-
December-15		614,833.91	649,757.95			108,055.70	-	-	-
January-16		0.00	0.00			0.00	-	-	-
February-16		0.00	0.00			0.00	-	-	-
March-16		0.00	0.00			0.00	-	-	-
April-16		0.00	0.00			0.00	-	-	-
May-16		0.00	0.00			0.00	-	-	-
June-16		0.00	0.00			0.00	-	-	-
		1,864,772.90	2,675,546.98			33,558,677.55	-	-	-
Balance	\$	2,509,380.62	\$ 32,831,067.85			\$ 17,092,182.65	\$ 10,719,558.63	\$ 1.96	\$ 4,500,900.72

*Docket #4562 effective July 2015:

Debt %	47.51
Debt Coverage %	11.88
	59.39

*Transfer of interest from Operating Reserve for Revenue Stability account to Revenue Fund Checking account.

**Transfer of funds for FINAL Carryover for 2016.