

July 26, 2017

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Annual Environmental Report for Gas Service
For Period April 1, 2016 – March 31, 2017**

Dear Ms. Massaro:

Enclosed are ten (10) copies of National Grid's¹ annual Environmental Report for Gas Service (Report) for the period April 1, 2016 through March 31, 2017, related to natural gas service in Rhode Island. This Report contains a description of the environmental remediation sites as well as the expenses incurred during the reporting period.

In accordance with the settlement of the 2012 Distribution Adjustment Charge (DAC) proceeding in Docket No. 4339 and the Rhode Island Public Utilities Commission's Order No. 21005 (April 8, 2013) in that proceeding, the Company must include in its annual Environmental Report for Gas Service all asset sales or exchanges involving real property that the Company has acquired or may acquire that are funded by its customers through the Distribution Adjustment Clause. In addition, any such future profits from the sale of land for which acquisition costs have been included in the Environmental Response Cost Factor in the Distribution Adjustment Clause must be credited to customers. For the reporting period, there were no such sales of real property.

Thank you for your attention to this filing. If you have any questions, please contact me at 781-907-2153.

Very truly yours,



Celia B. O'Brien

Enclosures

cc: Leo Wold, Esq.
Steve Scialabba, Division
Bruce Oliver, Division

¹The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

National Grid

**Environmental Report for
Gas Service**

**Period of
April 1, 2016 – March 31, 2017**

July 26, 2017

**Submitted to:
Rhode Island Public Utilities Commission**

Submitted by
nationalgrid

ENVIRONMENTAL REPORT

For Period
April 1, 2016 – March 31, 2017

A. 642 Allens Avenue, Providence, Rhode Island

This site is the former Sassafras Point Manufactured Gas Plant (MGP), which operated from 1910 until 1953. The site abuts the Providence River in a heavily industrialized area and is currently the location of The Narragansett Electric Company's (National Grid or the Company) central gas supply facility. The Phase 1 remediation project (addressing 4.5 acres) was completed in October 2002, and a Closure Report was filed with the Rhode Island Department of Environmental Management (RIDEM) in December 2002. A Site Investigation Report (SIR) addressing the remaining 37.5 acres of the site was submitted to RIDEM in April 2003. The Company anticipates submitting a SIR Addendum to RIDEM during FY18. The Company continues to perform semi-annual groundwater/non-aqueous phase liquid (NAPL) gauging, groundwater sampling and reporting to RIDEM, as well as maintenance of a boom in the Providence River. Consulting costs reported during this period also include those associated with environmental field support for utility repairs; closure of several groundwater monitoring wells in advance of construction projects; preparation of bid specifications; construction oversight for the Holder 18/21 capping project and health and safety monitoring. Contractor costs primarily included construction of the Holder 18/21 engineered cap; maintenance of the boom; groundwater management support and waste disposal.

		Bal @		Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity (1)
907+908	642 Allens Ave	\$ 20,783,287		\$ 22,706,620	\$ 1,923,333
Sub-Total		\$ 20,783,287		\$ 22,706,620	\$ 1,923,333

(1) The Company identified an overpayment of \$227.55 to GZA GeoEnvironmental, Inc. in FY16, which was credited to the Company in FY17 and is reflected in this report.

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$367,306
2	Construction/Disposal/Removal Costs	\$1,463,861
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$11,142
5	Other Costs (includes Company labor, materials & expenses)	\$81,024
	Total	\$1,923,333

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B. 170 Allens Avenue, Providence, Rhode Island

Citizens Gas Light began MGP operations at this site circa 1875. After Providence Gas acquired the plant in 1877, it was known as the South Station Plant. This former MGP operated until 1916. Subsequent to its use as a gas plant, this site was operated for over 80 years as a bulk fuel oil storage yard by a succession of companies including Cargill, Inc. (Cargill). In November 1998, Providence Gas received a letter of responsibility from RIDEM relating to possible contamination. Cargill has also received a letter of responsibility from RIDEM for the site. An investigation was initiated to determine the extent of contamination, as well as the extent of the Company's responsibility. In September 2009, Cargill Petroleum, Rhode Island State Piers, LLC, and the Company received a Letter of Non-Compliance from RIDEM requiring that the parties complete certain activities at the site. The completion of the RIDEM-approved upland remedy for the site, which included the installation of a containment wall, excavation and off-site thermal treatment of certain impacted soils and construction of an engineered cap (including installation of regulation-required integrated storm water treatment systems) occurred in 2014. Activities performed this year were primarily associated with the operation, monitoring, and maintenance of the implemented upland remedy including submittal of monthly progress reports to RIDEM. Costs incurred during the period also include the following activities: evaluation of potential leasing of the Site to a third party for salt storage; evaluation of potential redevelopment of the Site into a parking lot for subsequent lease to a third party; legal-related matters associated with negotiating additional terms to the agreement with another potentially responsible party (Cargill); credit of \$1,000 received from Waterfire to cover the Company's processing costs of a lease for wood storage; a reimbursement from Cargill of \$45,213.32; and a credit of \$12,000 received from Rhode Island Hospital for parking lot rental. The credits were included in Category 5 Other Costs.

		Bal @	Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016	03/31/2017	Activity (1)
379	170 Allens Ave.	\$ 7,986,062	\$ 8,065,475	\$ 79,413
	Sub-Total	\$ 7,986,062	\$ 8,065,475	\$ 79,413

(1) A credit of \$12,000 received from Rhode Island Hospital for parking lot rental was previously credited to the incorrect account. The credit is reflected in this report.

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$119,893
2	Construction/Disposal/Removal Costs	\$7,748
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$9,984
5	Other Costs (includes Company labor, materials & expenses)	-\$58,213
	Total	\$79,413

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Valley Resources Sites in Rhode Island

The Company's contribution action against Southern Union Company (SU) relating to the remediation of the Mendon Road site in Attleboro, Massachusetts was dismissed following the sale of SU's Rhode Island gas assets to the Company in August 2006. The suit, which alleged that SU shared liability for the Mendon Road site, which was allegedly contaminated with coal gas manufacturing waste transported from a former MGP in Pawtucket, Rhode Island, was dismissed by the Company because the Purchase and Sale Agreement between the Company and SU allocated to the Company the environmental liability for the Mendon Road site, the Tidewater MGP site in Pawtucket, and the Hamlet Avenue MGP site in Woonsocket.

As a further result of the allocation of environmental liability in the Purchase and Sale Agreement, the proceeds from the bankruptcy claim by the Company and SU against the Stone and Webster entities of approximately \$6.129 million, which had been held in an escrow account pending the resolution of the contribution dispute between the Company and SU, were liquidated to the Company in January 2007 and have been applied to the Rhode Island gas and electric environmental response funds.

C. Mendon Road, MA

This project is associated with the Mendon Road remediation following discovery of MGP wastes at this location. No further work is anticipated on this project.

		Bal @		Bal @	April 1– March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity
781	Mendon Rd, Cumberland	\$ 121,355		\$ 121,355	\$ 0
	Sub-Total	\$ 121,355		\$ 121,355	\$ 0

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$0
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$0
	Total	\$0

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D. Pawtucket (Tidewater) MGP, Rhode Island

This project is associated with the site investigation and remediation activities at the former MGP and power plant site at this location. Following the Purchase and Sale Agreement between the Company and SU, 80 percent of the costs associated with the site are assumed by electric operations of the Company, with the remaining 20 percent assumed by the gas operations of the Company.

The 28-acre site was the location of a former MGP which operated from the 1880s until 1954. In addition, the property housed a power plant that operated from the 1890s until 1976. The site currently houses gas and electrical operations, including a gas regulator station, an electrical substation and two transmission towers. Site investigation activities have been performed at the site since 1986. Costs incurred during this reporting period are associated with repair of the south washout area under a Short Term Response Action Plan; providing environmental support during the City's Max Read Field expansion, which included a portion of the southern area of the site; environmental support associated with the City of Pawtucket Master Plan redevelopment project which includes the northern portion of the site; maintenance of publicly available sources of information regarding the Tidewater Environmental Project (including National Grid Tidewater website and two bulletin boards near the site) per the RIDEM-approved Public Involvement Plan; fence repair; annual groundwater monitoring and quarterly NAPL gauging and preparation of a report to document past sampling; bi-weekly site inspections; and preparation of bi-weekly and monthly status reports for submittal to RIDEM.

		Bal @		Bal @	April 1– March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity
782	Tidewater St, Pawtucket	\$ 1,542,818		\$ 1,661,227	\$ 118,409
	Sub-Total	\$ 1,542,818		\$ 1,661,227	\$ 118,409

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$52,484
2	Construction/Disposal/Removal Costs	\$48,034
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$1,852
5	Other Costs (includes Company labor, materials & expenses)	\$16,038
	Total	\$118,409

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E. Woonsocket (Hamlet Ave.) MGP, Rhode Island

This project is associated with the site investigation and remediation activities at the former MGP site at this location. Following the Purchase and Sale Agreement between the Company and SU, 80 percent of the costs associated with the former MGP site are assumed by electric operations, with the remaining 20 percent assumed by the gas operations of the Company.

The site was the location of a MGP, which operated from 1852 until approximately 1913. The gas regulator station was demolished in July 2015, and the site is currently vacant. Site visits were performed during this reporting period to provide environmental support during substation upgrade activities and replacement of a gas main. Both of these projects were completed during the reporting period. Investigations on the North Holder and substation areas of the site were completed, and a Summary Letter was submitted to RIDEM on September 21, 2015. Based on the results of the investigations, the Company's environmental consultant recommended that RIDEM assign a new case number to the substation and substation access road areas, as MGP-related contaminants are not present in these areas. RIDEM assigned a new case number to the substation and access road areas in February 2016. Costs incurred during this reporting period are associated with supplemental site investigation activities in December 2016 in the area between the railroad bridge and the adjacent Front Street property and commencement of the preparation of the Site Investigation Report.

		Bal @		Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity
783	Hamlet Ave, Woonsocket	\$ 140,529		\$ 158,378	\$ 17,850
	Sub-Total	\$ 140,529		\$ 158,378	\$ 17,850

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$16,835
2	Construction/Disposal/Removal Costs	\$1,000
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$15
5	Other Costs (includes Company labor, materials & expenses)	\$0
	Total	\$17,850

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F. PCB Regulated Pipe Abandonment, Rhode Island

In 1998, the U.S. Environmental Protection Agency (EPA) enacted a major change to regulations 40 CFR Parts 750 and 761 governing polychlorinated biphenyls (PCBs). These new regulations are commonly referred to as the “MegaRule.” Among other matters, the MegaRule addresses the testing, characterization, and disposal of PCB-contaminated pipe in natural gas distribution systems. This project tracks costs associated with the analytical testing of condensate and wipe test samples and disposal of PCB-contaminated condensate, drip water, and pipe. Costs for this program were \$215K and \$213K for fiscal years 2015 and 2016, respectively, and \$196K in fiscal year 2017. Project costs for the past 3 years were higher than those incurred in prior reporting years because of the accelerated replacement of gas services and mains to improve system reliability.

		Bal @		Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity
307	PCB Reg - Pipe Abandonment	\$ 1,393,153		\$ 1,588,743	\$ 195,591
	Sub-Total	\$ 1,393,153		\$ 1,588,743	\$ 195,591

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$195,234
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$356
	Total	\$195,591

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G. 18 and 21 Holders at 642 Allens Avenue, Providence, Rhode Island

This project tracks environmental costs associated with the decommissioning of the No. 18 and No. 21 former gas holders and associated structures at this former MGP. The Former Gas Holders 18 and 21 were decommissioned during Fiscal Year 2010. No future costs are anticipated with this project.

		Bal @	Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016	03/31/2017	Activity
700	18 & 21 Holders Allens Av	\$ 2,776,743	\$ 2,776,743	\$ 0
	Sub-Total	\$ 2,776,743	\$ 2,776,743	\$ 0

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$0
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$0
	Total	\$0

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H. 18 Canal Street, Westerly, Rhode Island – Mercury Spill

On December 9, 1996, approximately half an ounce of mercury was released to the site soils and RIDEM was notified. Remediation contractors conducted various remedial activities at the site to address the release including the shipment of approximately 14 cubic yards of contaminated soil offsite for disposal. In a February 10, 1999 letter, RIDEM requested additional information, and a response was submitted to RIDEM on December 22, 1999. The Company then submitted a letter to RIDEM on February 7, 2000 requesting No Further Action with regard to the mercury release. RIDEM has not yet responded. No future costs are anticipated with this project.

		Bal @		Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity
161	Mercury Spill Canal St Westerly	\$ 29,133		\$ 29,133	\$ 0
Sub-Total		\$ 29,133		\$ 29,133	\$ 0

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$0
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$0
Total		\$0

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I. 18 Canal Street, Westerly, Rhode Island – MGP Site

This property is a former MGP that the Company operated at this location from 1885 to 1953. SU owned this property prior to its acquisition by the Company. Future environmental costs associated with the former MGP will be assumed by electric operations.

		Bal @		Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity
144	Soil Invest Canal St Westerly	\$ 82,184		\$ 82,184	\$ 0
	Sub-Total	\$ 82,184		\$ 82,184	\$ 0

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$0
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$0
	Total	\$0

ENVIRONMENTAL REPORT

For Period
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J. 9 JT Connell Highway, Newport, Rhode Island

This property is the Company's former Newport operations center. Low levels of environmental contamination were discovered during due diligence investigations related to a sale of the property. The Company no longer owns the property. Groundwater contamination necessitated continued groundwater monitoring and reporting.

All remedial actions are now complete and RIDEM issued a Letter of Compliance to the Company on January 13, 2005 indicating no further action is required. The groundwater monitoring wells were closed in July 2005 and no future costs are anticipated.

		Bal @		Bal @		April 1-March 31
I. Environmental Expenses		04/01/2016		03/31/2017		Activity
178	Site Inv. Connell Hwy Newport	\$ 44,092		\$ 44,092		\$ 0
Sub-Total		\$ 44,092		\$ 44,092		\$ 0

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$0
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$0
Total		\$0

ENVIRONMENTAL REPORT

For Period
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K. Thames & Wellington, Newport, Rhode Island

On June 28, 2006, the Company received a Letter of Responsibility from RIDEM requesting a site investigation for this property. An MGP operated at this location from the early 1890s until approximately 1955. In the 1980s, the site was developed for mixed residential and commercial use with the construction of condominiums and commercial buildings. The Company has completed site investigation activities under the RIDEM regulations, as well as two significant RIDEM-approved Short-Term Response Actions (storm drain sealing/lining program and soil cap installation). A Remedial Action Evaluation Report was submitted to RIDEM for this site. Costs reported this period are for work associated with annual groundwater monitoring and reporting; environmental support for a utility upgrade at the City of Newport Microstrainer facility and a utility repair at the Wellington Condominium Association including soil and ground water management/disposal costs; health and safety monitoring activities; and preparation of monthly status reports to RIDEM regarding ongoing and proposed site activities.

		Bal @	Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016	03/31/2017	Activity
	Thames & Wellington Inv.	\$ 5,640,324	\$ 6,076,558	\$ 436,235
	Sub-Total	\$ 5,640,324	\$ 6,076,558	\$ 436,235

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$182,201
2	Construction/Disposal/Removal Costs	\$236,266
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$6,045
5	Other Costs (includes Company labor, materials & expenses)	\$11,724
	Total	\$436,235

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L. Mercury Seal Regulator Replacement Program, Rhode Island

This project is associated with the Company’s current mercury seal regulator (MSR) replacement program. This program has a proactive goal to remove all known MSRs from the distribution system. Over 9,000 MSRs have been replaced to date. The work is continuing and includes independent real-time vapor screening of all MSR locations prior to, during, and following MSR removal to document that all mercury was properly contained. Actions taking place during this reporting period include removal of three MSRs with no spill cleanup or removal of impacted vent piping. The average cost per MSR removal during this 12-month period was \$1,349, which is similar to the FY16 average of \$1,231. The cost of the spill clean-up was \$0 and the cost of the impacted vent piping removal was \$0.

		Bal @	Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016	03/31/2017	Activity
171	Mercury Regulator Replace Program	\$ 3,094,828	\$ 3,098,876	\$ 4,048
	Sub-Total	\$ 3,094,828	\$ 3,098,876	\$ 4,048

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$4,048
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$0
	Total	\$4,048

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For Period
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M. Miscellaneous MGP Program Costs, Rhode Island

Costs for this project are associated with general costs and Company project management costs for the gas operations MGP program.

		Bal @	Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016	03/31/2017	Activity
	Miscellaneous MGP Program	\$ 372,891	\$ 418,145	\$ 45,254
	Sub-Total	\$ 372,891	\$ 418,145	\$ 45,254

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$5,964
2	Construction/Disposal/Removal Costs	\$0
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$3,366
5	Other Costs (includes Company labor, materials & expenses)	\$35,925
	Total	\$45,254

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N. Insurance Recovery Activities

Costs for this project are associated with insurance recovery claims for the investigation and remediation of Company sites.

		Bal @		Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016		03/31/2017	Activity
	Insurance Recovery Activities	\$ 1,302,189		\$ 1,348,557	\$ 46,369
	Sub-Total	\$ 1,302,189		\$ 1,348,557	\$ 46,369

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$0
2	Construction/Disposal/Removal Costs	\$0
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$46,369
5	Other Costs (includes Company labor, materials & expenses)	\$0
	Total	\$46,369

ENVIRONMENTAL REPORT

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O. East Providence (First Ave) Holder

The parcel was purchased by the Providence Gas Company in April 1872. The site is the location of two former remote gasholders (referred to as Holders 11 and 20). Available information indicates that gas holder 11 was destroyed during the Hurricane of 1938, and gas holder 20 was present until circa 1972. The property currently houses active natural gas lines and below-grade gas regulator stations. Costs incurred during this period are for work associated with the submittal of an update letter to RIDEM summarizing the Company's plan to conduct the approved remediation concurrent with the construction of an electrical substation on the property; quarterly Site inspections for draft Environmental Land Usage Restriction compliance; and annual groundwater monitoring activities including submittal of the annual monitoring report and associated waste disposal.

		Bal @	Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016	03/31/2017	Activity
	East Providence (First Ave) Holder	\$ 331,289	\$ 346,682	\$ 15,393
	Sub-Total	\$ 331,289	\$ 346,682	\$ 15,393

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$11,845
2	Construction/Disposal/Removal Costs	\$481
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$0
5	Other Costs (includes Company labor, materials & expenses)	\$3,068
	Total	\$15,393

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P. 560 Thames Street, Newport, RI

Based on a review of Sanborn Maps, this MGP was in operation by 1870 and was first listed as the Newport Gas Company in 1876 and then Newport Gas Light Company in 1893. It appears to have become operational sometime between 1850 and 1870. This MGP pre-dated the MGP located at 551 Thames Street. In March 2016, National Grid was contacted by the Rhode Island Department of Environmental Management regarding this site, as apparent MGP waste was identified during the reconstruction of the gasoline service station located on the northwestern portion of the former MGP. Costs reported this period are for disposal of MGP-impacted soil.

		Bal @	Bal @	April 1-March 31
I. Environmental Expenses		04/01/2016	03/31/2017	Activity
	560 Thames Street, Newport, RI	\$ 2,237	\$ 157,906	\$ 155,670
	Sub-Total	\$ 2,237	\$ 157,906	\$ 155,670

Cost Breakdown by Category		Payments During this Period
1	Consulting Costs	\$14,211
2	Construction/Disposal/Removal Costs	\$85,116
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$52,190
5	Other Costs (includes Company labor, materials & expenses)	\$4,152
	Total	\$155,670

ENVIRONMENTAL REPORT
For Period
April 1, 2016 – March 31, 2017
SUMMARY OF FISCAL YEAR 2017 COSTS

		Payments During this Period
1	Consulting Costs	\$770,739
2	Construction/Disposal/Removal Costs	\$2,041,790
3	Regulatory Oversight Costs (RIDEM/EPA/NBC)	\$0
4	Property Purchases/Settlements/Legal	\$130,963
5	Other Costs (includes Company labor, materials & expenses)	\$94,074
	Total	\$3,037,565
		Payments During this period
A.	642 Allens Avenue, Providence, Rhode Island	\$1,923,333
B.	170 Allens Avenue, Providence, Rhode Island	\$79,413
C.	Mendon Road, MA	\$0
D.	Pawtucket (Tidewater) MGP, Rhode Island	\$118,409
E.	Woonsocket (Hamlet Ave.) MGP, Rhode Island	\$17,850
F.	PCB Regulated Pipe Abandonment, Rhode Island	\$195,591
G.	18 & 21 Holders at 642 Allens Avenue, Providence, RI	\$0
H.	18 Canal Street Mercury Spill, Westerly, Rhode Island	\$0
I.	18 Canal Street, Westerly, Rhode Island	\$0
J.	9 JT Connell Highway, Newport, Rhode Island	\$0
K.	Thames & Wellington, Newport, Rhode Island	\$436,235
L.	Mercury Seal Regulator Replacement Program, RI	\$4,048
M.	Miscellaneous MGP, Rhode Island	\$45,254
N.	Insurance Litigation Haz Waste	\$46,369
O.	East Providence (First Ave) Holder	\$15,393
P	560 Thames Street, Newport, RI	\$155,670
	Total	\$3,037,565

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Consulting Costs			
Site	Consultant Name	Purpose of Consultant Costs	Costs
642 Allens Ave, Providence, RI	GZA GeoEnvironmental, Inc.	Groundwater/NAPL monitoring; boom maintenance; environmental support for utility repairs; monitoring well decommissioning; bid specification preparation and environmental support for construction of the engineered cap for Holder 18/21 area	\$359,353
	Coneco Engineers & Scientists, Inc.	Health & safety monitoring	\$7,953
170 Allens Ave, Providence, RI	GZA GeoEnvironmental, Inc.	Upland remedy monitoring and reporting	\$65,101
	Anchor QEA, LLC	Marine evaluation	\$40,669
	EECS, Inc.	Project management activities	\$14,124
Pawtucket (Tidewater) MGP, RI	GZA GeoEnvironmental, Inc.	Public involvement activities; south washout activities; groundwater/NAPL; reporting	\$51,878
	Potomac	Community relations consulting	\$606
Woonsocket (Hamlet Ave) MGP	GZA GeoEnvironmental, Inc.	Implementation of Supplemental Site Investigation Work Plan	\$15,797
	EECS, Inc.	Project management activities	\$1,037
Thames & Wellington, Newport	GZA GeoEnvironmental, Inc.	Environmental support for utility upgrades at the City of Newport Microstrainer facility and utility repair at the Wellington Condo Association; monitoring and reporting	\$170,164
	Coneco Engineers & Scientists, Inc.	Health & safety monitoring	\$12,037
Miscellaneous MGP, RI	GZA GeoEnvironmental, Inc.	Preparation of environmental specifications to support construction projects; legal support	\$5,964
East Providence Holder	GZA GeoEnvironmental, Inc.	Site inspections; ground water monitoring; reporting	\$11,845
560 Thames Street, Newport, RI	GZA GeoEnvironmental, Inc.	Environmental support	\$14,211

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April 1, 2016 – March 31, 2017

Contractor/Disposal			
Site	Contractor Name	Task	Costs
642 Allens Ave, Providence, RI	Clean Harbors Environmental Services, Inc. (Clean Harbors)	Waste disposal, support for sheen mitigation/boom maintenance; groundwater management support	\$63,926
	Charter Environmental, Inc.	Construction of engineered cap for Holder 18/21 area	\$1,399,935
170 Allens Ave, Providence, RI	Clean Harbors	Waste disposal	\$3,583
	Landscaping, Etc.	Property Landscaping	\$4,165
Pawtucket (Tidewater) MGP, RI	Clean Harbors	Waste disposal; miscellaneous support	\$530
	Op-Tech Environmental Services, Inc.	South washout repair	\$47,141
	Citiworks	Fence repair	\$364
PCB Regulated Pipe Abandonment	Clean Harbors	Pipe removal and disposal	\$195,234
Woonsocket (Hamlet Ave) MGP	Clean Harbors	Waste disposal	\$904
	Citiworks	Fence repair	\$96
Thames & Wellington, Newport	Clean Harbors	Waste disposal; soil and groundwater management support	\$208,554
	ESMI	Waste disposal	\$27,712
Mercury Seal Regulator (MSR) Replacement Program	Clean Harbors	MSR and impacted vent piping removal	\$4,048
East Providence Holder	Clean Harbors	Waste disposal	\$481
560 Thames Street, Newport, RI	ESMI	Waste disposal	\$85,116