

## National Grid SIR Program – Legacy BUG Sites

Site Name:	Bay Ridge Holder Stations A & B	NYSDEC Site ID:	224058	
Site location:	A: 837 64 <sup>th</sup> Street, Brooklyn, NY; B: 829-884 65 <sup>th</sup> Street, Brooklyn, NY		PRP:	NA
<b>5.2 Site Background</b>				
Scope of SIR Work for the Site:				
<p>The Site is a former holder station located on two non-contiguous parcels in a primarily commercial area of Brooklyn, NY. Station A, or OU-1, is non-owned and is currently a parking lot for an adjacent supermarket. Station B, or OU-2, is owned by National Grid. Station B contains little league ball fields, the National Grid Bay Ridge gate station, and a currently vacant area.</p> <p>OU-1 requires no further action as stated in the February 2012 SC Report approval letter. NYSDEC requested an Interim SMP be prepared and an environmental easement be used to restrict the future uses of the gate station area and an adjacent vacant area of Station B (OU-2).</p>				
ROD or RDD Requirements:				
N/A				
Status of Compliance with ROD or RDD:				
N/A				
<b>5.3 Status of Site Investigation and Remediation:</b>				
5.3.1 Status of NYSDEC Remediation Program				
<p>The interim SMP was approved by the NYSDEC in July of 2015. Environmental easement preparation work for OU-2 is ongoing. A survey was conducted in December 2017 to revise the environmental easement drawing. Per direction of NYSDEC, annual groundwater monitoring is on-going. A Periodic Review Report is submitted to NYSDEC annually. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018, completed in October 2018 and the summary report was submitted to NYSDEC in February 2019. Sampling and monitoring support for National Grid's capital improvement project commenced in 2019. A Notice of Intrusive Activity regarding a capital improvement project was submitted to NYSDEC in March 2019. An intrusive activity summary report was submitted to NYSDEC in June 2019. A revised Interim SMP was submitted to NYSDEC in April 2020. The property was re-surveyed for the Interim SMP easement in November 2020.</p>				
5.3.2 Scope of Work				
There have been no deviations from the approved work plan.				
5.3.3 Schedule				
Site schedule has been updated to reflect the current status consistent with the NYSDEC project schedule. No variance in projected work occurred.				
<b>5.4 Project Procurement Exceptions</b>				
No project awards deviated from those practices described in Section 2.4.				
<b>5.5 Project Costs</b>				
5.5.1 Project Costs Summary				
The anticipated costs for this site were \$54,000. The actual costs in 2020 were \$32,713. The projected cost for 2021 is \$44,146.				
5.5.2 Changes in Costs				
The total SIR costs were within the defined variance criteria.				
5.5.3 Cost Management and Mitigation Strategies				
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.				

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Belmont Holder Station	NYSDEC Site ID:	224060
Site location:	290 Belmont Avenue, Brooklyn, NY 11207	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
The approximately 1-acre Site was a former holder station and is located in a low-density residential area of Brownsville, Brooklyn, NY. Owned by Con Edison, the site is zoned for light manufacturing and commercial use and is part of Con Edison's Brownsville Substation.			
A SC is required.			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
National Grid has prepared a SC plan, and it has been approved by the NYSDEC. The SC will be conducted once the site is no longer "on hold" with the NYSDEC and access to the site is obtained.			
5.3.2 Scope of Work			
Work has not commenced due to the site's "on hold" status with NYSDEC. Once a decision is made to commence site activities, the effort to secure site access will begin.			
5.3.3 Schedule			
Activities will commence once the site's status changes with the NYSDEC and access is obtained.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$100. The actual costs in 2020 were \$0. The projected cost for 2021 is \$0.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.			

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<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Brooklyn Gas Light Works MGP Site	NYSDEC Site ID:	224048
Site location:	1 Hudson Avenue, Brooklyn, NY 11201	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The approximately 5-acre Site was a former MGP and is located along the East River water front in a low density residential area in the Vinegar Hill neighborhood of Brooklyn, NY. The site is situated on portions of 2 properties, one being owned by the Department of the Navy and the other being owned by Con Edison. The site parcels are zoned for industrial use. Most of the site is on the Con Edison property, which is the site of a former power generating station. Demolition of the power station had begun as of January 2012. The smaller portion of the former site footprint falls within the Brooklyn Navy Yard.</p>			
A SC is required.			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
National Grid has prepared a SC plan, and it has been approved by the NYSDEC. The SC will be conducted once the site is no longer "on hold" with the NYSDEC and access to the site is obtained.			
5.3.2 Scope of Work			
Work has not commenced due to the site's "on hold" status with NYSDEC. Once a decision is made to commence site activities, the effort to secure site access will begin.			
5.3.3 Schedule			
Activities will commence once access is obtained.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$100. The actual costs in 2020 were \$474. The projected cost for 2021 is \$0.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.			

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Citizens Gas Works MGP Site	NYSDEC Site ID:	C224012
Site location:	Smith Street and Luquer Street, Brooklyn, NY	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>Citizens MGP Site, also referred to as the Carroll Gardens Site, is an 11-acre former MGP site located in Brooklyn, NY on the Gowanus Canal. The site OU-1 parcels are owned by a 3rd party and NYC. The NYC owned property included a concrete production facility operated by a 3rd party which stopped operating in 2018. The off-site areas currently subject to remedial investigation are referred to as OU-2. The site was under the VCA until 2007 when it became part of the NYS Brownfield Cleanup Program (BCP) with the other property owners to accelerate redevelopment of the site after the MGP remediation. The property is mostly vacant and surrounded by commercial and residential properties and the Gowanus Canal which is under the federal superfund program. National Grid previously received information regarding properties within OU-2 that may be subject to redevelopment in the future. However, none of the redevelopment has progressed to date, and the timing and scope are presently unknown.</p> <p>The Remedial Decision Document (RDD) for OU-1 was issued by NYSDEC in April 2007. In March 2012, the NYSDEC requested and approved the commencement of a DNAPL O&amp;M program to collect DNAPL at the site.</p>			
ROD or RDD Requirements:			
<p>The 100% Remedial Design for OU-1 has been approved by NYSDEC. The RDD required, among other things, excavation of impacted soils, and the installation of a barrier wall and NAPL recovery wells adjacent to the Gowanus Canal. The 100 % Remedial Design covers only OU-1, OU-2 is a separate component of the site.</p>			
Status of Compliance with ROD or RDD:			
OU-1 is compliant with the RDD. OU-2 is not in RDD phase.			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>The Supplemental Design Investigation was completed in February 2016 and the associated report was submitted to NYSDEC in June 2016. The 90% Remedial Design was submitted to NYSDEC in August 2016. The 95% Remedial Design was submitted to NYSDEC in January 2017. The 100% Remedial Design was submitted to NYSDEC in November 2017 and approved in January 2018. Addenda No 1 and 2 to the NYSDEC-approved 100% Design regarding changes to some of the bulkhead tie-backs was submitted to NYSDEC in February 2019.</p> <p>The USEPA completed a dredging and capping pilot study in 2017 in the Canal and utilized on-shore support facilities located on Parcel 3 of the Citizens site for staging.</p> <p>National Grid worked with NYC to coordinate the Site remediation schedule and the timing of the City's former tenant completing their full demobilization of their former concrete production facility in the Summer of 2019. A SPDES Permit Equivalent application was submitted to NYSDEC in September 2018 to support the planning work related to the Site remediation. NYSDEC issued a fact sheet in May 2019 and held an availability session in June 2019 to discuss the start of the remediation project at the site. National Grid contractors mobilized to the site and initiated the remedial construction activities for Parcels I, II, and III in July 2019. Remedial activities are ongoing.</p> <p>Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018. A work plan was submitted to NYSDEC and approved in September 2018. Sampling will be completed once property access for emerging contaminant sampling is obtained. The DNAPL recovery program continued through June 1, 2019 when it was suspended in anticipation of the remedial construction efforts and removal of the concrete pile/debris.</p>			
5.3.2 Scope of Work			

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There have been no deviations from the approved work plan.
5.3.3 Schedule
The planned activities were completed consistent with the project schedule.
<b>5.4 Project Procurement Exceptions</b>
No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
5.5.1 Project Costs Summary
The anticipated costs for this site were \$40,079,529. The actual costs in 2020 were \$36,145,938. The projected cost for 2021 is \$9,100,000.
5.5.2 Changes in Costs
The total SIR costs were within the defined variance criteria.
5.5.3 Cost Management and Mitigation Strategies
The Company has identified specific cost/risk management or mitigation strategies for this site beyond those mentioned in Section 2.3. Property access was identified as a key cost risk driver. Consequently, the Company secured a portion of the property access needed to complete the RA. The Company coordinated with NYC on efforts to demobilize their former tenants concrete plant which was needed by the Company for the remedial activities.

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<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Clifton Former MGP Site	NYSDEC Site ID:	243023
Site location:	25 and 40 Willow Avenues, Staten Island, NY 10305	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The MGP site is located on Staten Island. The site is divided into two OUs. OU-1 is located at 40 Willow Avenue and is the location of a former relief holder and has a gas regulator station operating on part of it. The OU-2 is located on 25 Willow Avenue and is the location of the former MGP plant. The property was leased to Saturn as a new vehicle preparation facility until 2005. Both OUs are owned by National Grid. The surrounding properties are mixed commercial and residential. Remedial activities were completed at the site from 2009 through 2015 in compliance with the ROD and RD.</p>			
ROD or RDD Requirements:			
<p>In accordance with the OU-1 ROD dated March 2004, the holder site was remediated in 2009 and is in O&amp;M phase. The OU-2 ROD was executed December 2006 and, with the exception of Edgewater Plaza parcel, was remediated in 2013. The key elements of the OU-2 ROD were: excavation of impacted soils to 10 feet below ground surface; removal of former MGP structures, installation of 650 linear feet of subsurface slurry wall constructed as DNAPL barrier to 50 feet below ground surface, and demolition of 15,000 sq. foot office/warehouse building. Both OUs will transition into O&amp;M in accordance with the SMP. Edgewater Plaza will be managed under the approved SMP until the building and parking lot are removed and remediation of the subsurface soils can occur. There are no current plans by the owner to change the current use of that property.</p>			
Status of Compliance with ROD or RDD:			
<p>OU-1 and OU-2 is in compliance with the ROD. Edgewater Plaza is being managed under the NYSDEC approved SMP.</p>			
<b>5.3 Status of Site Investigation and Remediation:</b>			
<b>5.3.1 Status of NYSDEC Remediation Program</b>			
<p>The SMP for the site (including OU-1 and OU-2) was approved in January 2016, and O&amp;M monitoring began in 2016. The O&amp;M is currently ongoing and involves periodic monitoring and recovery of NAPL from site recovery wells, operation of the OU-1 groundwater treatment system, biennial site groundwater monitoring, and site inspection. In accordance with the ROD, both OUs will be subject to an environmental easement. The final OU-1 Depressurization System CCR was submitted to NYSDEC in December 2016. Eight monitoring wells were decommissioned in 2017.</p> <p>The following activities were performed in accordance with the SMP. National Grid provided oversight of a geotechnical sampling program by an off-site property owner (Edgewater Plaza) for future construction. Oversight of soil borings advanced by MTA in an adjacent street was provided in 2018. A Notice of Change of Ownership for One Edgewater Plaza was submitted to NYSDEC in May 2018. Notice of Intrusive Activities related to gas and water main repairs were submitted to NYSDEC in May and July 2018. Oversight and CAMP monitoring were provided for all activities within the SMP limits. A Notice of Intrusive Activities related to an upcoming geotechnical project involving the installation of a new sewer main on Willow Avenue was submitted to NYSDEC in December 2018. Oversight and CAMP monitoring of geotechnical borings for NYCDDC for upcoming sewer and water utility installation in Willow Avenue was started in June 2019. A summary report regarding the NYCDDC geotechnical project was submitted to NYSDEC in August 2019. Discussions and outreach with NYCDDC for the upcoming utility installation project are ongoing. A Notice of Intrusive Activities regarding the National Grid Gas Operations project was submitted to NYSDEC in April 2020 and CAMP, oversight, and soil and groundwater disposal were provided during this work. The work is ongoing.</p> <p>Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in October 2018 and the summary report was submitted to the NYSDEC in February 2019. A work plan for a DNAPL collection automation pilot was submitted to NYSDEC in October 2018 and implemented in November 2018. SMP</p>			

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reporting, NAPL monitoring and recovery, and groundwater management is ongoing. Operations, monitoring and sampling of the Groundwater Treatment System for the Containment Cell is ongoing.
<b>5.3.2 Scope of Work</b>
There have been no deviations from the approved work plan.
<b>5.3.3 Schedule</b>
The planned activities were completed consistent with the project schedule.
<b>5.4 Project Procurement Exceptions</b>
No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
<b>5.5.1 Project Costs Summary</b>
The anticipated costs for this site were \$1,326,975. The actual costs in 2020 were \$2,412,650. The projected cost for 2021 is \$2,827,443.
<b>5.5.2 Changes in Costs</b>
The total SIR costs were higher than the anticipated cost and exceeded the defined variances primarily due to providing environmental oversight, CAMP, and soil and groundwater disposal for unanticipated intrusive activity projects within the SMP limits.
<b>5.5.3 Cost Management and Mitigation Strategies</b>
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Coney Island MGP Site (Brooklyn Borough Gas Works)	NYSDEC Site ID:	224026
Site location:	Shell Road and Shore Parkway, Brooklyn, NY	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The site is a former MGP site located on Neptune Avenue and Shore Parkway, Brooklyn, Coney Island, New York. The property is currently owned by National Grid and two small parcels are owned by the NYCT. OU-1 ROD to install barrier wall around the perimeter of the site was issued in March 2001. The OU-2 ROD to remediate the creek and uplands impacted areas was issued in March 2002 and was subsequently split into OU-2 and OU-3, - respectively. The adjacent properties are primarily commercial/industrial. There are no active utility operations on the property.</p> <p>The OU-1 barrier wall installation was completed in 2004. The OU-2 creek dredge and OU-3 uplands excavation remediation were completed in November 2008. In 2010, the NYSDEC approved the SMP governing O&amp;M activities at the site which includes gauging and sampling select wells, measuring the engineered cap thickness in the creek and confirming the uplands engineered cap system and ecological buffer are intact. In Feb 2012, the NYSDEC issued an Explanation of Significant Difference removing the groundwater and NAPL collection and treatment system components from the O&amp;M activities after National Grid proved that NAPL recovery via automated system was not feasible. In June 2012, the Environmental Notice for the site was recorded with the NYC Registrar’s Office.</p>			
ROD or RDD Requirements:			
The upland portions (OU-1 and OU-3) and creek portion (OU-2) have been remediated and O&M is proceeding in accordance with a ROD.			
Status of Compliance with ROD or RDD:			
OU-1 Plant site and OU-2 Creek site (which was split into OU-2 Uplands and OU-3 Creek) are in compliance with the ROD.			
<b>5.3 Status of Site Investigation and Remediation:</b>			
<b>5.3.1 Status of NYSDEC Remediation Program</b>			
<p>A NAPL recovery testing recommendation was submitted to the NYSDEC in May 2018 and performed in October/November 2018. A modification request for the tri-annual survey and measurement event in Coney Island Creek was submitted to NYSDEC in May 2018 and approved June 2018. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018, completed in October 2018 and the report was submitted to the NYSDEC in February 2019. A recovery well installation and monitoring well abandonment request letter was submitted to NYSDEC in March 2019. New recovery wells were installed in locations with accumulating DNAPL and monitoring wells were abandoned in September 2019. A work plan for the abandonment and re-installation of two damaged monitoring wells was submitted to NYSDEC in September 2019 and performed in December 2019. Monthly gauging at the new recovery wells has not been completed because the wells inaccessible due to the MTA project.</p> <p>Currently, O&amp;M in accordance with the approved SMP (Revision 5, June 2019) is being performed on a periodic basis. Periodic review reports for O&amp;M activities are submitted to NYSDEC annually. Semi-annually sampling was reduced to annual sampling in 2020 in accordance with the SMP.</p> <p>A letter requesting the postponement of additional evaluation of scouring in Coney Island Creek was submitted to NYSDEC in March 2019. A Notice of Intrusive Activity regarding the intrusive NYCDDC project was submitted to NYSDEC in April 2019. To support upcoming construction activities to be performed by NYCDDC and the MTA, a work plan for a boring program within the Coney Island Creek was submitted and approved by NYSDEC in April 2019. The borings were conducted in June 2019. A summary report for the borings was submitted in July 2019.</p>			

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Several monitoring wells were modified from stick-up to flush mount prior to the start of the MTA project. Environmental oversight and CAMP monitoring of intrusive activities for the MTA project began in September 2019 and is ongoing.
<b>5.3.2 Scope of Work</b>
No deviations from the ROD other than those noted above have occurred.
<b>5.3.3 Schedule</b>
The planned activities were completed consistent with the project schedule.
<b>5.4 Project Procurement Exceptions</b>
No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
<b>5.5.1 Project Costs Summary</b>
The anticipated costs for this site were \$171,500. The actual costs in 2020 were \$275,098. The projected cost for 2021 is \$391,320.
<b>5.5.2 Changes in Costs</b>
The total SIR costs were higher than the anticipated cost and exceeded the defined variances primarily due to longer than expected environmental oversight and support for intrusive activities associated with the MTA project, as required in the SMP.
<b>5.5.3 Cost Management and Mitigation Strategies</b>
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site name:	Dangman Park MGP	NYSDEC Site ID:	224047
Site location:	OU 1: 486 Neptune Avenue, Brooklyn, NY OU 2: 2928 West 5 <sup>th</sup> Street, Brooklyn, NY	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The site is a former MGP site located on Neptune Avenue and West 5<sup>th</sup> Street in Brighton Beach, Brooklyn, New York. The two site properties are privately owned. The adjacent properties are primarily commercial/residential. There are no utility operations on the property. In 2019, NYSDEC divided the site into two operable units, OU 1 and OU 2.</p> <p>The RI Report was approved by the NYSDEC in 2014. Based on the RI data, the Company managed MGP-related, environmental aspects of a property owners' redevelopment. The property owner of what would become OU 1 initiated redevelopment activities in 2014. In 2017, National Grid conducted two IRMs on OU 1, in conjunction with the property redevelopment.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
<b>5.3.1 Status of NYSDEC Remediation Program</b>			
<p>In support of the OU 1 redevelopment, National Grid coordinated closely with the property owner to characterize and address legacy site environmental issues. NYSDEC and National Grid participated in several meetings with the property owner in 2016, 2017, and 2018 related to this coordination. The property owner completed a geotechnical boring program on the property and the report was provided to NYSDEC in 2016.</p> <p>A Supplemental RI Work Plan and Hydrogeologic Testing Work Plan were approved by the NYSDEC, the work began in 2015 and was completed in 2016. The Final Supplemental RI Report and a Draft In-Situ Treatment Work Plan were submitted to NYSDEC in September 2016. An IRM Premobilization Work Plan, Draft IRM Excavation Design, and Final IRM Design Work Plan, all for what would become OU 1, were submitted to NYSDEC in November 2016. The In-Situ Treatment Work Plan and the Final IRM Design Work Plan were approved by NYSDEC in November 2016. The IRM Premobilization Investigation commenced in December 2016 and results were submitted to NYSDEC in March 2017. The In-Situ Treatment IRM was completed in June 2017. The draft 100% Excavation IRM Remedial Design was submitted to NYSDEC in May and finalized in June 2017. The Excavation IRM commenced in August 2017 and was completed in December 2017. The draft CCR was submitted to NYSDEC in May 2018. The draft FFS report was submitted to NYSDEC in October 2018. NYSDEC indicated that the draft FFS report will not be approved. National Grid met with the NYSDEC Project Manager on-site in December 2019. NYSDEC approved the CCR in January 2020 with minor modification. A final CCR was submitted to the NYSDEC in June 2020. NYSDEC issued a Fact Sheet and PRAP in February 2020, however the comment period and public meeting have been postponed as a result of the COVID-19 response.</p> <p>Placement of the demarcation layer began in conjunction with the redevelopment construction activities in March 2018. National Grid conducted CAMP activities during redevelopment excavation, as needed, from January 2018 through August 2018. The demarcation layer placement was completed in August 2018. The final report documenting the community air monitoring data was submitted in December 2018.</p>			
<b>5.3.2 Scope of Work</b>			

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There have been no deviations from the approved scope-of-work.
5.3.3 Schedule
The planned activities have been completed in accordance with the project schedule.
<b>5.4 Project Procurement Exceptions</b>
No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
5.5.1 Project Costs Summary
The anticipated costs for this site were \$138,543.82. The actual costs in 2020 were \$92,620. The projected cost for 2021 is \$130,992.
5.5.2 Changes in Costs
The total SIR costs were lower than the anticipated cost and exceeded the defined variances primarily due to slippage of the anticipated schedule for the release of the decision document and consequent reduction in the work performed.
5.5.3 Cost Management and Mitigation Strategies
The Company has identified the need to work closely with both the property owner/developer and the NYSDEC to coordinate the management of environmental obligations in coordination with redevelopment activities, to maximize synergies. in addition to the cost management or mitigation strategies mentioned in Section 2.3.

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<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Equity Works MGP Site	NYSDEC Site ID:	224050
Site location:	222, 252, and 254 Maspeth Avenue, Brooklyn, NY 11211	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The approximately 2-acre site, situated on three non-owned properties, was a former MGP and is located in an industrial area of Greenpoint, Brooklyn, NY.</p> <p>The 222 Maspeth Ave property has been operated as a waste transfer station by Cooper Tank Recycling, which has been permitted to expand their waste transfer operations onto the 252 and 254 Maspeth Ave properties. In late 2017 Cooper Tank moved their transfer station to another location. They still own the 222 and 254 Maspeth Avenue properties and maintain the NYSDEC permit to operate a transfer station. However, they no longer control the 252 Maspeth Avenue property, which is currently being used for bus parking.</p> <p>The site is in the FS phase. However, NYSDEC has required supplemental investigation in advance of the FS being approved. An interim SMP has been prepared and it was approved by NYSDEC in December 2012. A soil removal IRM was completed in 2012 and DNAPL recovery system installed as an IRM in 2015.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
<b>5.3.1 Status of NYSDEC Remediation Program</b>			
<p>The Final RI Report was submitted to NYSDEC in March 2016 and approved in August 2016. The CCR for the soil removal IRM on the 254 Maspeth Avenue property was submitted to and approved by NYSDEC in July 2014. The CCR for the NAPL Recovery Collection System IRM was submitted to and approved by NYSDEC in 2015. The draft FS was submitted to NYSDEC in July 2017. A Supplemental Investigation work plan was submitted to NYSDEC in March 2018, revised and approved in May 2018, and field work was completed in August 2018. The final Supplemental Investigation Report for the 222 Maspeth Avenue parcel was submitted in March 2019. Quarterly DNAPL gauging and removal activities are ongoing. Summary Reports for the NAPL Recovery Collection IRM are submitted to NYSDEC annually, and the most recent was submitted in December 2019. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in October 2018.</p> <p>A PDI Work Plan and Remedial Design Work Plan for an IRM was submitted to the NYSDEC in April 2019. The PDI work was completed in May and June 2019. The IRM work plan was re-submitted to the NYSDEC in December 2019. In December 2019, NYSDEC, National Grid, and the property owner conducted a conference call to resolve how a property owner would participate in the IRM design process. Revised IRM Work Plans were submitted in January and April 2020. NYSDEC submitted a property owner's comments to the revised IRM Work Plan in February 2020. In March 2020, NYSDEC, National Grid, and a property owner conducted conference calls to resolve how to address NYSDEC's February 2020 request to install two new monitoring wells and to complete groundwater monitoring following completion of the IRM work. The Final IRM Work Plan was submitted in June 2020. The 60% design for the IRM was submitted to NYSDEC in October 2020.</p>			
<b>5.3.2 Scope of Work</b>			
There have been no deviations from the approved scope-of-work.			
<b>5.3.3 Schedule</b>			
The planned activities have been completed in accordance with the project schedule.			

**National Grid SIR Program – Legacy BUG Sites****5.4 Project Procurement Exceptions**

No project awards deviated from those practices described in Section 2.4.

**5.5 Project Costs****5.5.1 Project Costs Summary**

The anticipated costs for this site were \$584,911. The actual costs in 2020 were \$415,256. The projected cost for 2021 is \$823,472.

**5.5.2 Changes in Costs**

The total SIR costs were lower than the anticipated cost and exceeded the defined variances primarily due to schedule slippage.

**5.5.3 Cost Management and Mitigation Strategies**

The Company has identified the need to work closely with the property owner-operator and the NYSDEC to coordinate the management of environmental obligations in unison with ongoing and future activities, to maximize synergies while minimizing potential future construction impacts, in particular to protect the grandfathered status of the owner-operator's part 360 permit.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>				
<b>5.1 General Site Information</b>				
Site name:	Flatbush Holders Site	NYSDEC Site ID:	224061	
Site location:	329 Clarkson, 741 Parkside and 760 Parkside Avenues, Brooklyn, NY	PRP:	NA	
<b>5.2 Site Background</b>				
Scope of SIR Work for the Site:				
The site is a former holder site located on the north and south side of Parkside Avenue, south of Winthrop Street, east of Nostrand Ave, west of New York Ave, and north of Clarkson Ave, in Flatbush, Brooklyn, New York. The property is currently owned by multiple private owners. The adjacent properties are primarily commercial/residential. There is an active gas line and underground regulator on a portion of the property.				
ROD or RDD Requirements:				
N/A				
Status of Compliance with ROD or RDD:				
N/A				
<b>5.3 Status of Site Investigation and Remediation:</b>				
5.3.1 Status of NYSDEC Remediation Program				
The supplemental SC was approved in November 2011. The site is being managed with a NYSDEC-approved SMP which includes periodically monitoring select wells and ensuring the surface cap is intact and MGP impacted soils are not exposed. An updated SMP was submitted to NYSDEC in June 2016 and, was approved by NYSDEC in September 2016. In September 2017, NYSDEC approved the discontinuation of sampling at monitoring wells MW-1 and MW-2, however, sampling will continue at the mid-gradient monitoring well MW-3. NYSDEC also approved groundwater sampling on an annual basis, starting October of 2017. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018, completed in October 2018 and the summary report was submitted to the NYSDEC in February 2019. National Grid participated in a call with SUNY Downstate and NYSDEC about future Environmental Easement and redevelopment. A supplemental SC Work Plan for the northern parcel was submitted to the NYSDEC in May 2020 and finalized in July 2020. The supplemental SC field work was completed between August and December 2020.				
5.3.2 Scope of Work				
There is no deviation from the proposed plan.				
5.3.3 Schedule				
The planned activities were completed consistent with the project schedule.				
<b>5.4 Project Procurement Exceptions</b>				
No project awards deviated from those practices described in Section 2.4.				
<b>5.5 Project Costs</b>				
5.5.1 Project Costs Summary				
The anticipated costs for this site were \$152,200. The actual costs in 2020 were \$1,070,126. The projected cost for 2021 is \$1,635,704.				
5.5.2 Changes in Costs				
The total SIR costs were higher than the anticipated cost and exceeded the defined variances primarily due to unanticipated additional supplemental SC work in preparation for redevelopment by the property owner.				
5.5.3 Cost Management and Mitigation Strategies				
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.				

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Front Street Holder Station	NYSDEC Site ID:	224063
Site location:	206 & 218 Front Street, Brooklyn, NY 11202	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The approximately 1.4-acre site was a former holder station and is now located in a mixed commercial/residential area of the heavily populated Vinegar Hill neighborhood in Brooklyn, NY. The site is situated on two non-owned properties. The majority of the site footprint is located on the 218 Front Street property, which is operated as a warehouse and building material storage yard. The 206 Front Street property is occupied by a 7-story condominium building.</p> <p>The final SC Report was submitted in March 2013, finalized and approved in July 2013, and revised in 2015. In May 2015, the NYSDEC approved a request to modify the site boundary, making it coterminous with the boundary of the 218 Front Street property. The current owner entered into a sales contract with a prospective purchaser, a developer, in May 2020. The planned redevelopment is residential towers.</p>			
ROD or RDD Requirements:			
The ROD requires an Interim SMP and an Environmental Easement.			
Status of Compliance with ROD or RDD:			
The Site is in compliance with the ROD.			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>The Environmental Easement package for 218 Front Street was submitted to NYSDEC, without certificate of incorporation, in January 2017. In October 2017, the PRAP was released and the PRAP public meeting was held. In March 2018, the Record of Decision was released by NYSDEC and the draft Interim SMP was submitted to NYSDEC. Comment on/Approval of the draft Interim SMP by NYSDEC was held in abeyance while the property owner reviewed the document. In March 2019, National Grid received comments from the property owner on the draft ISMP. National Grid responded to the property owner's comments in August 2019. In May 2020, the property owner announced that they had entered into a sales contract. In July 2020, contact was made with the prospective property purchaser. The prospective developer provided comments on the draft ISMP in August 2020. The revised draft ISMP was submitted to NYSDEC in November 2020 and approved in December 2020. A draft Further Investigation work plan was submitted to NYSDEC in October 2020 and comments were received in December 2020. Preparation of the Environmental Easement is on hold until the sale of the property is complete.</p>			
5.3.2 Scope of Work			
There have been no deviations from the scope-of-work.			
5.3.3 Schedule			
The planned activities have been completed in accordance with the project schedule.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$26,828. The actual costs in 2020 were \$24,118. The projected cost for 2021 is \$306,652.			
5.5.2 Changes in Costs			

## National Grid SIR Program – Legacy BUG Sites

The total SIR costs were within the defined variance criteria.
5.5.3 Cost Management and Mitigation Strategies
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>				
<b>5.1 General Site Information</b>				
Site name:	Fulton Municipal Works MGP & 3 <sup>rd</sup> Ave Holder Station	NYSDEC Site ID:	224051	
Site location:	<ul style="list-style-type: none"> <li>• Fulton Municipal Works MGP: 270 Nevins St; 560 Degraw Street; 537 Sackett St; Nevins St., 3rd Ave., bet. Degraw and Douglas St.</li> <li>• 3<sup>rd</sup> Avenue Holder Station: 191 3<sup>rd</sup> Avenue</li> </ul>	PRP:	NA	
<b>5.2 Site Background</b>				
Scope of SIR Work for the Site:				
<p>The approximately 5.5-acre site is a former MGP and associated holder station located along the Gowanus Canal (Superfund site) in a commercial/industrial area in Brooklyn, NY. Surrounding land uses include residential properties. None of the six site parcels is owned by the company. Current site land uses include a New York City park and swimming pool on Parcel 2, a rock-climbing gym on Parcel 5, a film studio on Parcel 1, equipment storage/maintenance, and offices on Parcel's 3, 4, 6 and 7. Parcels 6-7 is the current location planned by NYC/USEPA for the USEPA required NYCDEP CSO Sewage Retention Tank. National Grid has also received information that Parcel(s) at this site may be subject to redevelopment in the future. The timing and scope of these activities are not fully known at this time.</p>				
ROD or RDD Requirements:				
<p>The OU-1 parcels are currently under remedial planning. The ROD for OU-1 required, among other things, installation of a barrier wall, NAPL recovery wells, and institutional controls.</p>				
Status of Compliance with ROD or RDD:				
Site activities are compliant with the ROD.				
<b>5.3 Status of Site Investigation and Remediation:</b>				
5.3.1 Status of NYSDEC Remediation Program				
<p>The RI was completed in 2012. The Final FS was accepted by NYSDEC in March 2015 followed by the NYSDEC issuance of the PRAP in April 2015. The ROD was issued by NYSDEC during July 2015. In 2016 National Grid continued to advance the RD for the Barrier Wall and NAPL recovery as well as preparations for a Pre-Design Investigation in support of future design efforts, which commenced in March 2017. NYC wells were gauged and NAPL was measured in December 2017. The 50% Remedial Design of the Bulkhead Barrier Wall was submitted to EPA in December 2017 and National Grid responded to EPA's comment in February 2018. In May 2018, National Grid entered into an Administrative Settlement Agreement and Order on Consent with EPA for certain Removal Actions including the barrier wall construction. The 100% Design Report and Bid Documents for the Former Fulton MGP Bulkhead Barrier Wall was submitted to the EPA and copied to the NYSDEC in December 2018; EPA approved document and it was submitted to the NYSDEC in March 2019. National Grid submitted a PDI work plan for Parcel III to NYSDEC in July 2018 and the PDI was completed in August and September 2018. The PDI Data Report of Parcel III was submitted to the NYSDEC in February 2019. Access negotiations for Fulton Barrier Wall construction were completed in December 2019. Mobilization, site setup, staging area construction, temporary control installations and air quality monitoring for Fulton Barrier Wall construction commenced in September 2019. The construction phase of Fulton Barrier Wall commenced in December 2019 and is ongoing.</p> <p>Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in October 2018. The emerging contaminant groundwater analytical results summary report was submitted in February 2019. NAPL monitoring and recovery and groundwater elevation monitoring is ongoing.</p>				
5.3.2 Scope of Work				
The scope of work is consistent with the ROD.				
5.3.3 Schedule				
The planned activities were completed consistent with the project schedule.				
<b>5.4 Project Procurement Exceptions</b>				

**National Grid SIR Program – Legacy BUG Sites**

No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
<b>5.5.1 Project Costs Summary</b>
The anticipated costs for this site were \$22,519,143. The actual costs in 2020 were \$24,138,413. The projected cost for 2021 is \$7,400,000.
<b>5.5.2 Changes in Costs</b>
The total SIR costs were within the defined variance criteria.
<b>5.5.3 Cost Management and Mitigation Strategies</b>
The Company did not identify site cost management or mitigation strategies beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Gowanus Canal	NYSDEC Site ID: USEPA ID:	CERCLA 02-2009-2010
Site location:	1.8 Mile NYC man-made canal between Butler Street and Hamilton Avenue Bridge in Brooklyn, NY	PRP:	Yes
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The Gowanus Canal is located in Brooklyn. Three MGP sites are located on the Gowanus Canal. The MGP sites are subject to an Order on Consent with the NYSDEC. The USEPA has included the Gowanus Canal on the National Priorities List and has completed RI and FS for the site. USEPA issued a ROD for the Site in September 2013. National Grid is participating in the performance of the remedial design with other responsible parties under a Unilateral Administrative Order with the USEPA.</p>			
ROD or RDD Requirements:			
<p>National Grid and other PRPs are under UAO to implement the remedial design for all three RTAs in the canal. In April 2019, UAO 2 was issued to the PRPs to commence remedial action field work in RTA-1 in preparation for the dredge and capping field work. This second UAO, UAO No. 2, directs the PRPs to perform an access dredge and bulkheads support in RTA-1 in advance of the capping and dredging field effort among other things.</p>			
Status of Compliance with ROD or RDD:			
<p>A UAO assigning the RD to National Grid and other Responsible Parties was issued in March 2014 and the Company acknowledged its intent to comply in April 2014. National Grid is currently developing the RD per the UAO. National Grid is in ongoing negotiation with other PRPs to assign responsibility for their share of the RD costs. A second UAO No. 2 was issued to the PRPs in April 2019 to initiate access dredge and bulkheads installation within RTA-1. Negotiations with the PRPs for this UAO No. 2 is ongoing. In addition, UAO No. 3 was issued to the PRPs in January 2020 to complete the dredging and capping in RTA-1. The UAO No.3 also stipulated the implementation of the TB-1 remedial construction within the RTA-1 construction cycle.</p>			
<b>5.3 Status of Site Investigation and Remediation:</b>			
<b>5.3.1 Status of NYSDEC Remediation Program</b>			
<p>The site is under USEPA Superfund Program and not under NYSDEC Division of Environmental Remediation's Program. Due to technical complexities of managing a project of this scale and managing expectations of third-party stakeholders and the USEPA, multiple experts were contracted to review the approach and ensure compliance with CERCLA regulations. The RP group continues to develop the RD plans for the project. The 35% remedial design report was submitted to USEPA in December 2016. The 65% remedial design report was submitted to USEPA in November 2017. A debris removal pilot study in Turning Basin 4 was completed in December 2016. The full production pilot study in Turning Basin 4 commenced October 2017 and was completed December 2018. The full-production pilot included installation of sheet pile support barriers along the banks of the existing properties, dredging of 20,000 cu yards of sediments and installation of an engineered capping system with integrated armor layer. This Pilot Study identified engineering and construction best practices to further the design in RTA-1. The Pilot Study was completed late 2018 and resulted in this portion of the canal being remediated. Simultaneously, the RD Group contracted a Construction Manager-General Contractor to assist in furthering the 65% remedial design and ensure design elements are constructible. In September 2019, the 90% remedial design was submitted to USEPA for review. Major elements were accepted by December 2019. In February and March 2020, the final RTA-1 and Turning Basin 1 remedial designs were submitted to USEPA. RTA-1 mobilization began in September and construction began in October 2020 and is ongoing.</p>			
<b>5.3.2 Scope of Work</b>			
<p>Due to technical complexities of managing a project of this scale and managing expectations of third-party stakeholders and the USEPA, multiple experts were contracted to review the approach and ensure compliance with CERCLA regulations. The USEPA has broken the site into 3 distinct RTAs and has directed the Remedial</p>			

## National Grid SIR Program – Legacy BUG Sites

Design Team to complete 100% remedial design on RTA-1 in preparation to start remedial construction in this area. A Pilot Study was performed to understand and test best practices to be used in the full canal remediation and this Pilot Study is described above in Status of NYSDEC Remediation Program. In April 2019, the USEPA issued Unilateral Administrative Order No. 2 which directed the access dredge and bulkheads, bridges and CSOs temporary support to be constructed in RTA-1 at the completion of the 100% remedial design and acceptance by the USEPA. In September 2019, the 90% remedial design was submitted to the USEPA for comment.

### 5.3.3 Schedule

The planned activities were completed consistent with the project schedule. In November 2019, the USEPA agreed to the Remedial Design Team's schedule for submission of the 100% remedial design in early 2020. The schedule anticipates start of remedial construction in RTA-1 to commence late Summer/early Fall 2020.

### 5.4 Project Procurement Exceptions

No project awards deviated from those practices described in Section 2.4.

### 5.5 Project Costs

#### 5.5.1 Project Costs Summary

The anticipated costs for this site were \$79,925,554. The actual costs in 2020 were \$73,019,641. The projected cost for 2021 is \$53,993,458.

#### 5.5.2 Changes in Costs

The total SIR costs were within the defined variance criteria.

#### 5.5.3 Cost Management and Mitigation Strategies

The company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site name:	Greenpoint MGP	NYSDEC Site ID:	224052
Site location:	287 Maspeth Avenue, Brooklyn, NY	PRP:	N/A
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The Greenpoint MGP site is located beneath National Grid infrastructure (Liquefied Natural Gas tanks, transportation garage, offices, etc.) on Maspeth Ave in Brooklyn, NY. The site encompasses approximately 117 acres. The site is set in a in a predominately industrial and manufacturing area with some commercial and residential buildings to the northwest. The RI was performed in three phases due to the large size of the site. The three phases of the RI were completed in 2012, 2016 and 2019, respectively.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>Phase 2 of the RI was completed in 2016. A Work Plan for additional Phase 2 investigation and start of Phase 3 was submitted to NYSDEC in February 2016. A Draft Interim RI Report for Phases 1 and 2 of the RI was submitted to NYSDEC in November 2016. Phase 3 of the RI began in April 2016 and significant progress was made throughout 2017 and 2018. A Work Plan for additional investigation was submitted to NYSDEC in December 2016 and field work has been completed. A report summarizing findings of an investigation of the loading platform area of the site adjacent to Newtown Creek was submitted to NYSDEC in January 2018. The SVI investigation for onsite buildings was completed in February 2018 and the report was submitted to NYSDEC and NYSDOH in November 2018. Follow-up SVI sampling was performed in March through June 2019 and the SVI investigation resampling summary letter was submitted to NYSDEC in October 2019. RI in Area 8 of the site resumed in March 2019 and was completed in June 2019. The Draft RI Report was submitted in January 2020 and NYSDCEC comments on the RI Report were received in November 2020. A letter in response to comments on the draft RI Report was submitted to NYSDEC in December 2020. A work plan for the investigation of USTs was submitted to NYSDEC in February 2020, field work has been completed, and a summary report was submitted in November 2020. An IRM Work Plan was submitted to NYSDEC in June 2020 regarding the removal of structures and the installation of a clean cover prior to a capital improvement project. NAPL gauging and recovery is ongoing and is conducted monthly.</p> <p>Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in October 2018. The emerging contaminant groundwater analytical results summary report was submitted to the NYSDEC in February 2019.</p> <p>National Grid routinely performs oversight activities in support of gas operations related work and capital improvement projects which are performed in areas of the site where MGP related contamination is present. These activities are managed under a NYSDEC required site management process and generally include soil disposal, monitoring and regulatory reporting. The Interim SMP was submitted to NYSDEC in August 2017. Three Notices of Intrusive Activities regarding the Pig Launcher/Receiver project were submitted to NYSDEC in August 2018 and April and May 2019. Several shallow monitoring wells were installed, gauged, and slug tests performed in advance of this project. Eight Notice of Intrusive Activities regarding several planned intrusive projects were submitted to NYSDEC in 2020. Revised ISMPs were submitted to NYSDEC in 2020 based on comments from NYSDEC and NYSDOH. Three Soil Import Request forms were submitted to NYSDEC in 2020. Work plans for additional sampling were submitted to NYSDEC and NYSDOH in December 2020.</p>			

## National Grid SIR Program – Legacy BUG Sites

<b>5.3.2 Scope of Work</b>
The RI: a) evaluated the nature and extent of any identified contamination, b) identified potential pathways of contaminant migration and possible receptors, c) developed an environmental and qualitative human health risk assessment, d) evaluated actual or potential impacts to fish and wildlife resources and, e) assessed the need for an IRM along the Newtown Creek site boundary.
<b>5.3.3 Schedule</b>
The completion of the RI was delayed due to access issues for specific areas of the investigation.
<b>5.4 Project Procurement Exceptions</b>
No project awards deviated from the practices described in Section 2.4.
<b>5.5 Project Costs</b>
<b>5.5.1 Project Costs Summary</b>
The anticipated costs for this site were \$544,000. The actual costs in 2020 were \$470,393. The projected cost for 2021 is \$953,120.
<b>5.5.2 Changes in Costs</b>
The total SIR costs were within the defined variance criteria.
<b>5.5.3 Cost Management and Mitigation Strategies</b>
The company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site name:	Jamaica Gas Light Co. MGP	NYSDEC Site ID:	241063
Site location:	58-18 Beaver Road, Jamaica, NY 11433	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
The approximately 1-acre site was originally a MGP and subsequently a holder station. The non-owned site parcel is located in a moderate density residential area of Jamaica, Queens, New York. The current site usage is roll-off storage. Adjacent property uses include a cemetery, York College, the LIRR and a glass recycling facility. The Final RI Report was issued in December 2015.			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
A Draft Interim SMP was submitted to NYSDEC in May 2016, a revised Interim SMP was submitted to NYSDEC in April 2018 and the final Interim SMP was issued in July 2018. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and a work plan was submitted to NYSDEC and approved in September 2018. Efforts to secure a site access agreement for the emerging contaminant groundwater sampling are continuing. The property owner has not been responsive to National Grid's request for access. National Grid contacted NYSDEC for assistance with access in October 2019.			
5.3.2 Scope of Work			
There have been no deviations from the approved scope-of-work.			
5.3.3 Schedule			
The planned activities have been completed in accordance with the project schedule.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$16,291. The actual costs in 2020 were \$5,128. The projected cost for 2021 is \$17,835.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.			

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site name:	Kings County MGP	NYSDEC Site ID:	224056
Site location:	5400-5600 1st Avenue, Brooklyn NY	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
The site is a former MGP of 16 acres on the New York Bay waterfront of Brooklyn, NY. It consists of two non-owned parcels, zoned for industrial use. The major portion of the site is operated by the New York City Economic Development Commission and is occupied by the Brooklyn Wholesale Meat Market and another tenant. The smaller portion of the site is owned by US Power Generating Co. and operated as a power station.			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
National Grid gained access to NYCEDC and US Power Generating Co. via access agreements. The SC field work commenced July 2014 and was completed in April 2015. The final SC report was submitted to NYSDEC in June 2016. NYSDEC requested additional delineation and a SC Addendum Work Plan was submitted in June 2017 and approved in September 2017. The SC Addendum field activities were completed in 2018, the SC Addendum report was submitted to NYSDEC, and NYSDEC approved the report in August 2020. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in October 2018. The emerging contaminant groundwater analytical results summary report was submitted in February 2019.			
5.3.2 Scope of Work			
The SC was conducted with an expanded analytical and sampling program resulting in a more detailed SC.			
5.3.3 Schedule			
Site schedule has been updated to reflect the current status consistent with the NYSDEC project schedule. No variance in projected work occurred.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$36,140. The actual costs in 2020 were \$15,918. The projected cost for 2021 is \$77,700.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.			

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Metropolitan Works MGP Site	NYSDEC Site ID:	224046
Site location:	124-136 Second Avenue, Brooklyn, NY 11215	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>This former MGP site is located in a commercial and residential area along the Gowanus Canal (GC Superfund site) in the Gowanus neighborhood of Brooklyn, NY. The 10 site parcels are non-owned. Two of the 10 parcels were previously remediated and are now occupied by portions of a Lowes store and its associated parking lot. The remaining 8 site parcels are primarily occupied by other retail stores where a former Pathmark shopping center was located. The Pathmark supermarket, which occupied a parcel within the strip mall, has ceased operations and the building for Pathmark now has other tenants. Other parcel uses include parking lots, a used car dealership, and a building housing several flooring supply stores. The property was recently purchased by Two Trees in 2018 and they have not identified any plans or information about potential future site redevelopment in the future.</p> <p>The NYSDEC approved the initial RI report for the site in October 2014. A draft FS was submitted to NYSDEC in June 2015. A Supplemental RI Work Plan was prepared to investigate previously inaccessible areas of the site (around the former Pathmark supermarket) and was approved by the NYSDEC in December 2015, and the SRI was completed in 2017. Supplemental SVI sampling was requested in 2018 by NYSDOH and completed in the former Pathmark building in 2019. The revised Supplemental RI Report was prepared after the SVI sampling was completed.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>In 2016, the Company sought the assistance of NYSDEC to gain access to the former supermarket building to perform the Supplemental RI. The field work was completed in May 2017. The draft Supplemental RI report was submitted to NYSDEC in September 2017. NYSDEC provided comments to the SRI report in April 2018 and after several discussions with NYSDEC about their SRI Report comments and the request to complete additional soil vapor and indoor air sampling, National Grid sent a formal response letter responding to the NYSDEC's comments in September 2018. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018. A work plan was submitted to NYSDEC and approved in September 2018. There were access discussions in 2018 with the new property owner to support the scheduling of the emerging contaminant related groundwater sampling, and the SVI sampling. An access agreement with the property owner was obtained to complete the SVI sampling. The SVI sampling was implemented in March 2019 and the sampling results were submitted to the agencies in May 2019. The revised SRI Report was submitted to NYSDEC in January and April 2020. NYSDEC and National Grid had a conference call in March 2020 to clarify NYSDEC comments on the revised SRI; the final SRI was submitted and approved in May 2020.</p>			
5.3.2 Scope of Work			
There have been no deviations from the remedial investigation plan.			
5.3.3 Schedule			
The planned activities were completed consistent with the project schedule.			
<b>5.4 Project Procurement Exceptions</b>			

**National Grid SIR Program – Legacy BUG Sites**

No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
<b>5.5.1 Project Costs Summary</b>
The anticipated costs for this site were \$300,000. The actual costs in 2020 were \$129,101. The projected cost for 2021 is \$1,400,000.
<b>5.5.2 Changes in Costs</b>
The total SIR costs were lower than the anticipated cost and exceeded the defined variances primarily due to longer time than expected with resolving regulatory issues for the project.
<b>5.5.3 Cost Management and Mitigation Strategies</b>
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site name:	Nassau MGP Site	NYSDEC Site ID:	224019B
Site location:	Brooklyn Navy Yard, Kent Ave, Brooklyn, NY	PRP:	Yes
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The site is a former MGP site located on Kent Avenue, Navy Yard, Brooklyn, New York and borders Wallabout Channel. The property is currently owned by the Brooklyn Navy Yard and is vacant. The adjacent properties are primarily industrial. There are no active utility operations on the property.</p> <p>The RI was completed, and a draft FS was submitted, however NYSDEC required additional investigation prior to approving the FS. National Grid has received information that this site may be subject to redevelopment in the future. The timing and scope are unknown.</p>			
ROD or RDD Requirements:			
The ROD requires a SMP, an Environmental Easement, and NAPL recovery as the Remedial Action.			
Status of Compliance with ROD or RDD:			
The Site is in compliance with the ROD.			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>The Draft Supplemental RI Report, which had been submitted to NYSDEC in October 2015, was approved in June 2016. The revised FS report was submitted to NYSDEC in November 2019. The PRAP was issued in February 2020 and the ROD was issued in September 2020. The FS was approved, and the final FS was submitted to the NYSDEC, in June 2020. The site survey was completed in August 2020. A boundary modification request, draft ISMP, draft PDI work plan, and revised CPP were submitted to NYSDEC in December 2020.</p>			
5.3.2 Scope of Work			
There have been no deviations from the approved scope-of-work.			
5.3.3 Schedule			
The planned activities have been completed in accordance with the project schedule.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$252,449. The actual costs in 2020 were \$158,514. The projected cost for 2021 is \$530,550.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.			

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site name:	Newtown Creek Superfund Site	NYSDEC Site ID:	CERCLA-02-2011-2011
Site location:	Newtown Creek borders Brooklyn and Queens in New York City	PRP:	Y
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
Newtown Creek is a 3.8-mile waterbody located on the border of Brooklyn and Queens in New York City. Two former MGP sites and a former gas holder are located in the vicinity of Newtown Creek. The National Grid is a Potentially Responsible Party for addressing impacted sediments along with various oil companies, Phelps Dodge and NYC.			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>The site is under USEPA Superfund Program and not under NYSDEC Division of Environmental Remediation's Program. The RI/FS for the entire Newtown Creek site (now designated as Operable Unit 1, or OU-1) commenced in 2011 and is scheduled for completion in 2024. The RI/FS will: a) evaluate the nature and extent of any identified contamination, b) identify potential pathways of contaminant migration and possible receptors, c) develop quantitative ecological and human health risk assessments and, d) develop and evaluate remedial alternatives and assess whether they will meet proposed remedial goals and remedial action objectives. In 2017 and 2018 National Grid continued meetings and negotiations in support of responding to EPAs RI report comments and finalizing the RI report. A second draft of the RI report was submitted to EPA in April 2019, with comments received from EPA in September 2019. A third draft of the RI report was submitted to EPA in July 2020, with comments received from EPA in December 2020. FS work plans, field study evaluation reports were prepared and revised. Field work including NAPL delineation refinement and mobility sampling, groundwater seepage rate measurements, geotechnical coring, biota tissue sampling, nearshore sediment sampling, and definitive tests for ebullition-mediated NAPL transport were completed. Initial preliminary remediation goals (PRGs) were presented to EPA in December 2019 and have been discussed and revised throughout 2020. In addition to the OU-1 RI/FS, an interim remedial action was initiated in July 2019 for the lower two miles of Newtown Creek which is now formally designated as operable unit 3 (OU-3) of the site. A focused feasibility study for OU-3 is currently under review by EPA. Also, a treatability study was initiated in 2019 to support the screening and evaluation of various remedial technologies for the FS and ultimately in the selection of a remedy for the Site.</p>			
5.3.2 Scope of Work			
<p>The RI/FS will: a) evaluate the nature and extent of any identified contamination, b) identify potential pathways of contaminant migration and possible receptors, c) develop quantitative ecological and human health risk assessments and, d) develop and evaluate remedial alternatives and assess whether they will meet proposed remedial goals and remedial action objectives. This scope of work for OU-1 is ongoing, with similar work also being conducted as an interim remedial action for the lower two miles of Newtown Creek which is designated as OU-3.</p>			
5.3.3 Schedule			
The planned activities were completed consistent with the project schedule.			
<b>5.4 Project Procurement Exceptions</b>			

**National Grid SIR Program – Legacy BUG Sites**

No project awards deviated from the practices described in Section 2.4.

**5.5 Project Costs****5.5.1 Project Costs Summary**

The anticipated costs for this site were \$10,214,096. The actual costs in 2020 were \$5,187,084. The projected cost for 2021 is \$17,576,965.

**5.5.2 Changes in Costs**

The total SIR costs were lower than the anticipated cost and exceeded the defined variances primarily due to delays associated with regulatory agency review of NCG documents submitted for the OU3 focused feasibility study; the treatability study; predictive models and revised remedial investigation report. In addition, costs were not incurred due to the cancelation of regularly scheduled in-person meetings with the NCG and EPA due to COVID 19.

**5.5.3 Cost Management and Mitigation Strategies**

In addition to the cost management or mitigation strategies mentioned in Section 2.3, the Company has engaged the other PRPs in discussions to manage work scope changes required by both other PRPs and the USEPA in an effort to limit cost increases while not compromising the integrity of the RI.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	People's Works MGP Site	NYSDEC Site ID:	224053
Site location:	470-490 Kent Avenue Brooklyn, NY 11211	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The 2-acre site was a MGP located along the Wallabout Channel in the Williamsburg neighborhood of Brooklyn, NY. The site footprint is situated on portions of two non-owned properties that are operated as a building supply store with lumber yard. Surrounding property uses are residential and commercial. National Grid has received information that portions of the property may be subject to redevelopment in the future. The timing and scope are currently unknown.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>NYSDEC had previously requested a supplemental SC be performed at the site. Implementation of the supplemental SC work plan continued into 2016. Collection of additional groundwater samples was performed in June of 2016. A draft SC report was submitted to NYSDEC in September 2017 and was subsequently approved in December 2017. The draft Interim SMP was submitted to NYSDEC in October 2017. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in September 2018. The emerging contaminant groundwater sampling results summary report was submitted to the NYSDEC in February 2019. A No Further Action Response to the report was received in 2020. In November 2019 the NYSDEC requested an investigation of the adjacent parcels (Schafer Landing) to the north of the former MGP site. A meeting with NYSDEC was held in January 2020 to discuss off-site investigation scope of work. A termination letter for People's Works MGP Site was submitted in September 2020. The site was terminated from the order so that it could be entered into the Brownfield Cleanup Program by a developer. A draft Schafer Landing SC work plan was submitted in September 2020, after the site had been terminated from its order.</p>			
5.3.2 Scope of Work			
There have been no deviations from the approved scope-of-work.			
5.3.3 Schedule			
Ownership of site changed. Pending new order on consent with NYSDEC.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$104,797. The actual costs in 2020 were \$45,552. The projected cost for 2021 is \$128,838.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company signed an agreement with the developer in which they agreed to enter the Site into the BCP and			

## National Grid SIR Program – Legacy BUG Sites

remediate the Site in the BCP.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Plymouth Street Holder Station	NYSDEC Site ID:	224065
Site location:	49 Gold Street, Brooklyn, NY 11201	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The 1+ acre site was a holder station and is currently located in a low-density residential area in the Vinegar Hill neighborhood of Brooklyn, NY. The former site footprint occupies a portion of a parcel zoned for light manufacturing and commercial use and which is owned by Con Edison. Con Edison operates the site as a substation. Several adjacent properties are residential. Other adjacent uses are listed as industrial or transportation/utilities.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
National Grid has prepared a SC plan, and it has been approved by the NYSDEC. The SC will be conducted once the site is no longer "on hold" with the NYSDEC and access to the site is obtained.			
5.3.2 Scope of Work			
Work has not commenced due to the site's "on hold" status with NYSDEC. Once a decision is made to commence site activities, the effort to secure site access will begin.			
5.3.3 Schedule			
Activities will commence once the site's status changes with the NYSDEC and access is obtained.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$100. The actual costs in 2020 were \$0. The projected cost for 2021 is \$0.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.			

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Scholes Street Holder	NYSDEC Site ID:	224067
Site location:	338 Scholes Street, Brooklyn, NY	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The approximately 1-acre site was a holder station and is zoned for light manufacturing and commercial uses. The site covers three non-owned properties that have been developed with concrete and brick buildings. The site is located approximately 0.17 miles west of the English Kills, part of Newtown Creek (Superfund Site).</p> <p>The final SC report was approved in 2014. National Grid has received information that this site may be subject to redevelopment in the future. The timing and scope are unknown.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>The draft interim SMP was submitted to NYSDEC in July 2017. A Site Boundary Modification Request was submitted to NYSDEC in October 2018 and was not approved by NYSDEC in September 2020.</p>			
5.3.2 Scope of Work			
<p>There have been no deviations from the approved scope-of-work.</p>			
5.3.3 Schedule			
<p>The planned activities have been completed in accordance with the project schedule.</p>			
<b>5.4 Project Procurement Exceptions</b>			
<p>No project awards deviated from those practices described in Section 2.4.</p>			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
<p>The anticipated costs for this site were \$66,389. The actual costs in 2020 were \$16,976. The projected cost for 2021 is \$24,512.</p>			
5.5.2 Changes in Costs			
<p>The total SIR costs were within the defined variance criteria.</p>			
5.5.3 Cost Management and Mitigation Strategies			
<p>The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.</p>			

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>				
<b>5.1 General Site Information</b>				
Site Name:	Skillman Street Holder	NYSDEC Site ID:	224068	
Site location:	OU 1: 7 Skillman Street and 744 Bedford Avenue, Brooklyn, NY OU 2: 39 Skillman Street, Brooklyn, NY	PRP:	NA	
<b>5.2 Site Background</b>				
Scope of SIR Work for the Site:				
<p>The 1-acre site was a holder station and is located in a commercial and residential area in Brooklyn, NY. The site is comprised of two non-contiguous and non-owned parcels. Post-holder station, OU 2 was an industrial clothes cleaning business. OU 1 has been occupied by two catering halls. A SC was completed in 2012. A no further action letter and a Release and Covenant Not to Sue were obtained for OU 2, and subsequently the OU was acquired by a developer who remediated and redeveloped the property under the BCP. OU 2 has been released from the February 2, 2007 Order on Consent and Administrative Settlement, Index # A2-0552-0606. A SC was completed for OU 1 in 2014. A PRAP was issued in February 2015 and a ROD was issued in March 2015. Prior to issuance of the PRAP, the OU 1 designation was dropped by NYSDEC.</p> <p>In 2015, the catering hall at 744 Bedford Avenue was demolished, in preparation for redevelopment. Surrounding area is mixed residential/commercial. In March 2015, NYSDEC required additional investigation for the 744 Bedford Avenue property. The PDI Work Plan was submitted to, and approved by, NYSDEC in April 2015. Redevelopment at 7 Skillman Street is anticipated, but the timing is unknown.</p>				
ROD or RDD Requirements:				
A ROD was issued in March 2015. The ROD requires an Interim SMP, Environmental Easement, and annual groundwater monitoring.				
Status of Compliance with ROD or RDD:				
The Site is in compliance with the ROD.				
<b>5.3 Status of Site Investigation and Remediation:</b>				
<b>5.3.1 Status of NYSDEC Remediation Program</b>				
<p>The PDI for the 744 Bedford Avenue property was implemented in 2016. A Draft PDI Data Summary Report was submitted to NYSDEC in May 2016. Redevelopment of the 744 Bedford Avenue property commenced in 2017 and included excavation within the portion of the site occupying that property.</p> <p>The Final PDI Data Summary Report for 744 Bedford Avenue portion of OU 1 and the Final Interim SMP were submitted to NYSDEC in March 2017. The draft Revised Interim SMP was submitted to the NYSDEC in March 2018 and approved in October 2018. The Interim SMP, Revisions 2 and 3 were submitted to NYSDEC in June 2019 and July 2020, respectively, to revise the HASP.</p> <p>Environmental Easements are required by the ROD. The Environmental Easement packages for 7 Skillman Street and 744 Bedford Avenue were submitted to NYSDEC in December 2016, without certificate of incorporation and articles of organization, respectively. Certificate of incorporation and articles of organization were subsequently obtained for the owners of 7 Skillman Street and 744 Bedford Avenue, respectively. The easements were sent to attorneys representing the owners of 7 Skillman Street and 744 Bedford Avenue in October 2017. In January 2019, the easement packages were resubmitted to NYSDEC with revised language of "Interim Site Management Plan or any future Site Management Plan." The easements and NYC-RPTs need to be signed for each property; the owners' attorney has been contacted for assistance in having these documents signed. In spring/summer of 2019, Owner stated that there would be no easements until redevelopment of the site was completed. NYSDEC support will be required for execution of easements.</p> <p>In July 2019, per the ROD and in anticipation of upcoming redevelopment, a draft Further Investigation Work Plan for 7 Skillman Street was submitted to NYSDEC. On July 26, 2019, National Grid received comments from</p>				

## National Grid SIR Program – Legacy BUG Sites

Owner's consultant, via Owner, on the Draft Further Investigation Work Plan; the comments recommended not proceeding with the Further Investigation at this time, until discussions can be held with National Grid. The Owner has since been unresponsive to National Grid. In 2020 the property owner, through their council, approached National Grid about moving the site into the Brownfield Cleanup Program.

Annual ISMP activities, including site inspections and annual groundwater monitoring, commenced in 2017 and are ongoing. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in October 2018. The emerging contaminant groundwater analytical results summary report was submitted to the NYSDEC in February 2019. A No Further Action Response to the report was received in 2020.

### 5.3.2 Scope of Work

There have been no deviations from the approved scope-of-work.

### 5.3.3 Schedule

The planned activities have been completed in accordance with the project schedule.

## 5.4 Project Procurement Exceptions

No project awards deviated from those practices described in Section 2.4.

## 5.5 Project Costs

### 5.5.1 Project Costs Summary

The anticipated costs for this site were \$177,025. The actual costs in 2020 were \$ \$29,782. The projected cost for 2021 is \$ \$97,680.

### 5.5.2 Changes in Costs

The total SIR costs were lower than the anticipated cost and exceeded the defined variances due to a Further Investigation and meetings with the property owner, which did not come to pass.

### 5.5.3 Cost Management and Mitigation Strategies

The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Union Station (Citizens Branch) Holder Station	NYSDEC Site ID:	224054
Site location:	2940 Atlantic Avenue, Brooklyn, NY 11207	PRP:	NA
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The approximately 1.2-acre site was briefly (for approximately 1 year) a MGP before being converted to a holder station. The non-owned site parcel is located in a commercial area of Brooklyn, NY and operated by Con Edison as a service center. Adjacent property uses include residential, commercial, and manufacturing. National Grid prepared a Revised SC Work Plan that was submitted to and approved by NYSDEC in October 2015.</p>			
ROD or RDD Requirements:			
N/A			
Status of Compliance with ROD or RDD:			
N/A			
<b>5.3 Status of Site Investigation and Remediation:</b>			
5.3.1 Status of NYSDEC Remediation Program			
<p>SC field activities commenced in November 2015 and were completed in March 2016. A Draft SC Report was submitted to NYSDEC in December 2016. NYSDEC provided comments to the Draft SC Report and National Grid responded in May 2018. The SC Report was submitted to NYSDEC in February 2019 and approved by NYSDEC in March 2019. In December 2019 the NYSDEC requested that an Interim SMP be prepared for to govern future on-site activities. The draft Interim SMP was submitted to NYSDEC in July 2020. Comments were provided in response to NYSDEC's November 2020 comment letter in December 2020.</p> <p>Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018. A work plan was submitted to NYSDEC and approved in September 2018. Groundwater sampling for emerging contaminants was completed in May and June 2019 and the report was submitted to NYSDEC in June 2020.</p>			
5.3.2 Scope of Work			
There have been no deviations from the approved SC work plan.			
5.3.3 Schedule			
The planned activities were completed consistent with the project schedule.			
<b>5.4 Project Procurement Exceptions</b>			
No project awards deviated from those practices described in Section 2.4.			
<b>5.5 Project Costs</b>			
5.5.1 Project Costs Summary			
The anticipated costs for this site were \$23,275. The actual costs in 2020 were \$24,050. The projected cost for 2021 is \$43,000.			
5.5.2 Changes in Costs			
The total SIR costs were within the defined variance criteria.			
5.5.3 Cost Management and Mitigation Strategies			
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.			

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>				
<b>5.1 General Site Information</b>				
Site Name:	Williamsburg Works MGP Site	NYSDEC Site ID:	224055	
Site location:	2 North 11 <sup>th</sup> Street, 20 North 12 <sup>th</sup> Street, 35 Kent Avenue, 50 Kent Avenue, Brooklyn, NY	PRP:	Yes	
<b>5.2 Site Background</b>				
Scope of SIR Work for the Site:				
<p>The approximately 5.7-acre site was a MGP and is located along the East River in a commercial area of the Williamsburg neighborhood, Brooklyn, NY. The site is located on 4 non-owned properties with uses as follows: Parcel 1 - Warehouse/studio; Parcel 2 - open space/park; Parcels 3 and 4 used for warehouses until January 31, 2015, when the warehouses burned down. Surrounding property uses are commercial and residential. Three of the site properties are within the footprint of the planned NYC Bushwick Inlet Park. In 2013, Counsel for the owner of the fourth site property (35 Kent Avenue/Parcel 1) indicated that it likely will be re-developed, in 5 to 10 years, as a hotel.</p> <p>The RI Report was submitted to NYSDEC in January 2015. A recovery well component of the IRM for the 50 Kent Avenue property was completed in 2014, and NAPL recovery is on-going. The 100% Design for the soil component of the 50 Kent Avenue Property IRM was approved in August 2015, and the IRM was commenced in December 2015.</p>				
ROD or RDD Requirements:				
N/A				
Status of Compliance with ROD or RDD:				
N/A				
<b>5.3 Status of Site Investigation and Remediation:</b>				
<b>5.3.1 Status of NYSDEC Remediation Program</b>				
<p>The soil component of the IRM for 50 Kent Avenue was completed in June 2017. The IRM Construction Completion Report was issued to and approved by NYSDEC in 2018. NAPL gauging and recovery on the 50 Kent Avenue property is ongoing. Well rehabilitation work to restore sump capacity was conducted in 2019; two damaged recovery wells were abandoned and replaced, as approved by the NYSDEC. The 2019 NAPL Recovery Well Rehabilitation and Reinstallation report was submitted to NYSDEC in September 2019. A draft Interim SMP was submitted to NYSDEC in April 2020 and revised in October 2020. A draft RI Work Plan Addendum for Parcels 3 and 4 was provided to NYSDEC in June 2020 and revised in December 2020.</p> <p>Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018. A work plan was submitted to NYSDEC and approved in September 2018. Groundwater sampling for emerging contaminants was completed in March 2019 and the report was submitted to NYSDEC in June 2020.</p> <p>On November 7, 2016, National Grid sent a letter to NYSDEC expressing the intent to withdraw the Williamsburg Works MGP site from the Multi-site Order on Consent in an effort to secure a separate order for the site, which would provide greater flexibility to pursue additional responsible parties due to the complex industrial history of the site and surrounding properties. In January 2017, a CERCLA complaint in pursuit of cost recovery was filed by National Grid against 15 defendants. The complaint was amended in April 2017. In May 2019, a second amended complaint was filed and in September 2020, a third amended complaint was filed.</p> <p>In December 2017, a RCRA complaint was filed against ExxonMobil for the investigation of an adjacent property on which an oil refinery and MOSF were located historically. ExxonMobil and the City of New York jointly submitted a work plan for the investigation of the adjacent property, and the work plan, dated November 2018, was approved by NYSDEC. In December 2018, ExxonMobil and the City of New York entered with NYSDEC into an order to investigate the adjacent property. In 2019, ExxonMobil and the City of New York commenced the investigation of the property, and the RCRA suit went into discovery. ExxonMobil and the City of New York</p>				

## National Grid SIR Program – Legacy BUG Sites

submitted a draft SC report to the NYSDEC in September 2020. Discovery continued through 2020.
<b>5.3.2 Scope of Work</b>
There were no deviations from the previously approved remedial investigation or IRM work plans. At present the site is no longer under order with NYSDEC.
<b>5.3.3 Schedule</b>
The planned activities have been completed in accordance with the project schedule. RI fieldwork will commence for Parcels 3 and 4 once the Site is under order.
<b>5.4 Project Procurement Exceptions</b>
No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
<b>5.5.1 Project Costs Summary</b>
The anticipated costs for this site were \$1,704,818. The actual costs in 2020 were \$409,337. The projected cost for 2021 is \$1,335,598.
<b>5.5.2 Changes in Costs</b>
The total SIR costs were lower than the anticipated cost and exceeded the defined variances primarily due to slippage of the anticipated schedule with consequent reduction in the work performed.
<b>5.5.3 Cost Management and Mitigation Strategies</b>
The Company did not identify cost management or mitigation strategies for this site beyond those mentioned in Section 2.3.

## National Grid SIR Program – Legacy BUG Sites

<b>Section 5. SITE SPECIFIC REPORTS</b>			
<b>5.1 General Site Information</b>			
Site Name:	Wythe Ave (Berry Street) Holder Station	NYSDEC Site ID:	224069
Site location:	OU 1: 94 N. 13 <sup>th</sup> Street, and 121 N. 12 <sup>th</sup> Street (now consolidated through redevelopment as 55 Wythe Avenue), Brooklyn, NY OU 2: 120 and 132 N. 13 <sup>th</sup> Street; 20, 24, 28, and 32 Berry Street; and 125 and 129 N. 12 <sup>th</sup> Street, Brooklyn, NY	PRP:	Yes
<b>5.2 Site Background</b>			
Scope of SIR Work for the Site:			
<p>The approximately 2-acre site was a holder station occupying an entire block within a commercial area in the Williamsburg neighborhood of Brooklyn, NY. In 2007, the ten site properties were divided between three non-National Grid owners and were used for manufacturing, storage, and warehousing. A SC has been completed and the report was approved in 2013. In 2014, two of the three owners sold their properties to a developer, who commenced redevelopment of the properties as a hotel and commercial space. An Interim SMP was approved by NYSDEC in June 2014. An IRM for the 55 Wythe Avenue properties was performed as part of its redevelopment in 2014. These properties have since become identified as Operable Unit (OU) 1, with the remainder of the site being identified as OU 2. Circa 2015, the owner of the OU 2 properties indicated that over the next 1.5 to two years he would rezone his eight parcels and then either redevelop or sell them. However, in 2020 the property owner has indicated that rezoning and redevelopment were on hold due to the pandemic. Surrounding property uses are commercial, parkland, and residential.</p>			
ROD or RDD Requirements:			
<p>The OU 1 ROD described no further action as the selected remedy and required an Environmental Easement and a SMP.</p> <p>The OU 2 ROD requires an Interim SMP, Environmental Easement, and annual groundwater monitoring.</p>			
Status of Compliance with ROD or RDD:			
Site activities are compliant with the RODs.			
<b>5.3 Status of Site Investigation and Remediation:</b>			
<b>5.3.1 Status of NYSDEC Remediation Program</b>			
<p>An off-site groundwater investigation under OU 2, commenced in 2015, was completed in 2017. The OU 1 ROD was issued in March 2017. Revision 1 of the ISMP was issued to NYSDEC in September 2017 to address the OU 1 ROD. Revisions 2, 3, and 4 of the ISMP were issued to NYSDEC in July 2018, March 2019, and July 2020, respectively, to revise the HASP. The PRAP for OU 2 was issued by NYSDEC in November 2018 and the Public Meeting was held in December 2018. Groundwater sampling for emerging contaminants was requested by NYSDEC in May 2018 and completed in October 2018. The emerging contaminant groundwater analytical results summary report was submitted to NYSDEC in February 2019. A No Further Action Response to the report was received in 2020. The ROD for OU 2 was released in February 2019. Annual ISMP activities, including site inspections and groundwater monitoring, are on-going.</p> <p>Environmental Easements are required by the RODs. OU 1 and OU 2 Environmental Easement packages were submitted to NYSDEC, without corporate documents, on September 5, 2017 and August 9, 2017, respectively. OU 2 corporate documents were submitted to NYSDEC in January 2018. Corporate documents are still needed for OU 1. The OU 1 and OU 2 easements, including the NYSDEC's suggested updated language, were sent to the owners in January 2019. The owner's signature is still needed to complete and file the OU 1 environmental easement. NYSDEC support will be required for execution of the OU 1 easement. A copy of the OU 2 easement, signed by the owner, was sent to NYSDEC in March 2019 for final approval. The OU 2 Environmental Easement was recorded in March 2020.</p>			
<b>5.3.2 Scope of Work</b>			
There have been no deviations from the approved project plans.			

**National Grid SIR Program – Legacy BUG Sites**

5.3.3 Schedule
Site schedule has been updated to reflect the current status consistent with the NYSDEC project schedule. No variance in projected work occurred.
<b>5.4 Project Procurement Exceptions</b>
No project awards deviated from those practices described in Section 2.4.
<b>5.5 Project Costs</b>
5.5.1 Project Costs Summary
The anticipated costs for this site were \$77,061. The actual costs in 2020 were \$45,773. The projected cost for 2021 is \$39,801.
5.5.2 Changes in Costs
The total SIR costs were within the defined variance criteria.
5.5.3 Cost Management and Mitigation Strategies
The Company has identified the need to work closely with both the property owner/developer and the NYSDEC to coordinate the management of environmental obligations in unison with redevelopment activities, to maximize synergies while minimizing potential future construction impacts.