

January 26, 2017

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4678 - Proposed FY 2018 Gas Infrastructure, Safety, and Reliability Plan Responses to PUC Data Requests – Set 1

Dear Ms. Massaro:

Enclosed please find 10 copies of National Grid's¹ responses to COMM 1-1, COMM 1-3, COMM 1-6, and COMM 1-8.

This transmittal completes National Grid's responses to the first set of data requests issued by the Rhode Island Public Utilities Commission in the above-referenced docket.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7415.

Very truly yours,



Robert J. Humm

Enclosure

cc: Docket 4678 Service List
Leo Wold, Esq.
Steve Scialabba
Don Ledversis

¹ The Narragansett Electric Company d/b/a National Grid.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

Joanne M. Scanlon

January 2*, 2017
Date

Docket No. 4678 - National Grid's FY 2018 Gas Infrastructure, Safety and Reliability (ISR) Plan - Service List 1/11/17

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The Narragansett Electric Company

d/b/a National Grid

RIPUC Docket No. 4678

In Re: Proposed FY 2018 Gas Infrastructure, Safety, and Reliability Plan

Responses to the Commission's First Set of Data Requests

Issued on January 10, 2017

COMM 1-1

Request:

Please update the filing to reflect the actual NOLs generated for 2016 and provide the bill impact that will result from inclusion of the NOLs in the revenue requirement.

Response:

For the actual net operating losses (NOLs) generated for 2016, please refer to the Company's Revised FY 2018 Gas Infrastructure, Safety and Reliability Plan (Plan) filed on January 26, 2017, at Section 3, pages 8-11; and Section 3, Attachment 1S, page 6. The revised Plan also reflects changes to the capital investment plan primarily associated with the decommissioning of the Cumberland LNG tank. In addition, the original revenue requirement on vintage FY 2018 capital investment included estimated NOL deferred taxes because the Company initially projected a taxable net loss in FY 2018. The Company is now projecting taxable income in FY 2018, so the revenue requirement in the revised Plan for vintage FY 2018 no longer includes estimated NOL deferred taxes.

The associated bill impacts are set forth in the revised Plan at Section 4 and Attachments 1S and 2S thereto.

The Narragansett Electric Company

d/b/a National Grid

RIPUC Docket No. 4678

In Re: Proposed FY 2018 Gas Infrastructure, Safety, and Reliability Plan

Responses to the Commission's First Set of Data Requests

Issued on January 10, 2017

COMM 1-3

Request:

In Docket No. 4590, National Grid provided a list of the FY 2016 and FY 2017 public works projects in Record Request Response No. 5. Please provide the status of those projects.

Response:

Please refer to Attachment COMM 1-3 for a listing that has been updated with the current status of the project list provided in response to Record Request No. 5.

FY 2016 Public Works Non Reimbursable

Main WO #	Address	Town	FYTD Spend 12/31/15	Abandoned Footage	Description	Project Status
9960000329	NBC Cont 303.04C India St Mn Aban	Providence	\$ 344	247	Conflict with sewer work	Completed
90000128192	Broadway St Main Relay	Newport	\$ 5,139	424	Conflict with sewer work	Completed
90000130206	Luongo Sq Mn Abandonment	Providence	\$ 12,185	1053	Eliminating Double Mains (LP to99#)	Completed
90000133593	Leah St - CI Mn Relay Reclaiming	North Providence	\$ 18,023	314	Road Reclamation	Completed
90000134886	BROADWAY @ FAREWELL	Newport	\$ 685	385	Drainage conflict & Road Reclamation	Completed
90000135809	Broadway St - Section 2	Newport	\$ 3,705	1725	Drainage conflict & Road Reclamation	Completed
90000135833	Broadway St - section 3 of 3	Newport	\$ 15,033	1610	Road Reclamation	Completed
90000138208	Murray St Main Relay	North Providence	\$ 21,600	329	Road Reclamation	Completed
90000138210	Hanson St Relay	North Providence	\$ 14,979	359	Road Reclamation	Completed
90000138212	Summit St Main Relay	Central Falls	\$ 32,064	439	Conflict/Encroachment with Water Work	Completed
90000138213	New York Ave CIE Relay	Providence	\$ 73	753	Conflict/Encroachment with Water Work	Completed
90000138637	Forest Ave Main Relay	Cumberland	\$ 1,574	634	Road Reclamation	Cancelled
90000138640	Mill St Main Relay	Woonsocket	\$ 32,207	670	Road Reclamation	Completed
90000138646	Mauran Ave Main Relay	East Providence	\$ 24,998	480	Conflict with RIDOT Bridge Reconstruction	Completed
90000138649	Warren Ave Main Relay	East Providence	\$ 1,604	645	Conflict with RIDOT Bridge Reconstruction	Completed
90000140387	Kickemuit Rd Main Relay	Warren	\$ 589,342	1638	Road Reclamation	Completed
90000140388	Greene St Main Relay	Warren	\$ 1,463	370	Road Reclamation	Completed
90000140396	Gibbs Ave Main Relay	Newport	\$ (12,774)	2493	Road Reclamation	Completed
90000140397	Channing St Main Relay	Newport	\$ 46,626	1022	Road Reclamation	Completed
90000140407	Young St Main Relay	Newport	\$ 221,919	496	Road Reclamation	Completed
90000140424	E Bowery St Main Relay	Newport	\$ 135,644	2412	Road Reclamation	Completed
90000141056	Sabin St/Broadway Relay	Providence	\$ 3,651	235	Road Reclamation	Completed
90000141237	101-125 N Broadway Abandonment	East Providence	\$ 5,934	426	Road Reclamation	Completed
90000141273	Ocean Ave Relay	Cranston	\$ 30,691	1341	Roundabout Construction	Completed
90000141638	Freeborn Ave Relay	East Providence	\$ 58,611	2208	Road Reclamation	Completed
90000141676	Lyon Ave Relay	East Providence	\$ 12,997	245	Road Reclamation	Completed
90000141901	Frederick/Thatcher St Relays	East Providence	\$ 91,135	2411	Road Reclamation	Completed
90000143037	Waldo St Relay	Pawtucket	\$ 1,697	554	Shallow 3" CI Main	Completed
90000144231	Pullen Ave Relay	Pawtucket	\$ 22,715	575	Shallow 4" CI Main	Completed

Main WO #	Address	Town	FYTD Spend 12/31/15	Abandoned Footage	Description	Project Status
90000144862	Pomfret Rd Relay	Narragansett	\$ 1,750	280	Road Reconstruction	Completed
90000145111	High St - section 1 Relay	South Kingstown	\$ 6,711	501	Road Reclamation	Completed
90000145118	High St @ Austin St Relay	South Kingstown	\$ 2,742	450	Road Reclamation	Completed
90000145819	Bernon St Relay	Woonsocket	\$ 1,678	511	Road Reclamation	FY 17-18
90000146504	Locust Ave/Brownlee Bl Relay	Warwick	\$ 2,963	599	Road Reconstruction	Completed
90000152073	Warwick Sewer Phase 1	Warwick	\$ 195,878	1879	Conflict with Sewer Work	Completed
90000152089	Roland St Mn Relay	Woonsocket	\$ 1,278	690	Road Reclamation	Cancelled
90000152098	Notre Dame St - Mn Abandon	Central Falls	\$ 93,700	593	Eliminating Double Mains (LP to99#)	Completed
90000152099	Stimson Av	Providence	\$ 242,279	1645	Conflict/Encroachment with Water Work	Completed
90000152102	Hood St DI Mn Abandon	Central Falls	\$ 106	97	Eliminating CI main	FY 17-18
90000152125	Blake & Fountain St CI MN Abandon	Pawtucket	\$ 86,402	739	Eliminating Double Mains (LP to99#)	Completed
90000152145	Carter Ave CI/DI Main Abandon	Pawtucket	\$ 63,736	1325	Eliminating Double Mains(LP to18#)	Completed
90000152191	Dean & Farrell St CI MN Abandon	Pawtucket	\$ 38,912	699	Eliminating Double Mains (LP to18#)	Completed
90000152213	Hill St -- BS Main Abandon	Pawtucket	\$ 1	125	Eliminating CI main	FY 17-18
90000152225	Halliday St - CI Main Abandonment	Pawtucket	\$ 36,504	425	Eliminating Double Mains (LP to18#)	Completed
90000152251	Lansdowne Rd Relay - Phase2	Warwick	\$ 301,938	2725	Conflict with Sewer Work	Completed
90000152374	Shippen Ave Relay	Warwick	\$ 247,068	3294	Conflict with Sewer Work	Completed
90000152479	Namquid Dr Relay	Warwick	\$ 210,550	2303	Conflict with Sewer Work	Completed
90000152480	Orchard Ave	Providence	\$ 374,135	3477	Conflict/Encroachment with Water Work	Completed
90000153171	Kneeland St	Cranston	\$ 201,468	996	Conflict/Encroachment with Water Work	Completed
90000153172	Tucker Av	Cranston	\$ 221,792	931	Conflict/Encroachment with Water Work	Completed
90000153173	Parkway Av	Cranston	\$ 269,546	1320	Conflict/Encroachment with Water Work	Completed
90000153174	George St	Cranston	\$ 74,437	3100	Conflict/Encroachment with Water Work	Completed
90000153399	Ascension & Church Mn Relay	Lincoln	\$ 77,659	508	Road Reclamation	Completed
90000153649	Cowden St CI Mn Relay	Central Falls	\$ 121,091	560	Shallow 4" CI Main	Completed
90000153672	3-31 Alhambra Ct	Cranston	\$ 513	351	Conflict/Encroachment with Water Work	Completed
90000153673	3-29 Doylston St	Cranston	\$ 1,026	342	Conflict/Encroachment with Water Work	Completed
90000153674	41-100 Alhambra Ct	Cranston	\$ 965	778	Conflict/Encroachment with Water Work	Completed
90000154406	131-133 Rogers Av	Barrington	\$ 25,018	242	Road Reclamation	Completed
90000154407	2-11 Anthony Rd	Barrington	\$ 72,439	416	Road Reclamation	Completed
90000154408	42 Anthony Rd Area	Barrington	\$ 52,836	408	Road Reclamation	Completed

Main WO #	Address	Town	FYTD Spend 12/31/15	Abandoned Footage	Description	Project Status
90000155043	15-96 Moorland Av	Cranston	\$ 191,976	1029	Conflict/Encroachment with Water Work	Completed
90000155395	Call Back WO#90000138649	East Providence	\$ 2,951	0	Same as 90000138649	Completed
90000156253	460 Mineral Spring Ave Mn Relay	Pawtucket	\$ 21,494	24	RIDOT Conflict w Catch Basin	Completed
90000157329	RIAC Green Expansion Main Abandonme	Warwick	\$ 4,669	7186	Eliminate BS main not needed	Completed
90000157370	11-36 Edgar Ct	Newport	\$ 203,925	1241	Road Reconstruction	Completed
90000157671	71-130 Touro St	Newport	\$ 1,122	1048	Road Construcion	Cancelled
90000157748	River Lane	Newport	\$ 2,299	489	Road Reconstruction	FY 17-18
90000157767	4-117 Sherman St	East Providence	\$ 195,216	2442	Road Reclamation	Completed
90000157788	Red Cross Terr	Newport	\$ 1,529	450	Road Reconstruction	FY 17-18
90000158271	111-136 Tidewater Dr	Warwick	\$ 116,375	345	Road Reclamation	Completed
90000158427	303 - 400 Brown St	East Providence	\$ 14,154	1040	Road Reclamation	Completed
90000158439	6-19 Lake View Rd	Cranston	\$ 4,583	441	Road work at 1.5-in CI Main	FY 17-18
90000158685	503-524 Pawtucket Ave	Pawtucket	\$ 1,930	674	Conflict/Encroachment with Water Work	Cancelled
90000158868	Kent County Water Work	Warwick	\$ 4,849	2595	Conflict with water work - WO cancelled	Cancelled
90000158976	Newman St	Middletown	\$ 5,277	2225	Road Reclamation	Completed
90000159105	Division St Area Ph 1	Lincoln	\$ 550,479	3255	Road Reclamation	Completed
90000159965	Central St Mn Rly Summer-Old Main	Lincoln	\$ 821	696	Road Reclamation	Completed
90000160005	Central St and Division St	Lincoln	\$ 316	947	Road Reclamation	Completed
90000160007	63-100 Prospect St	Lincoln	\$ 316	618	Road Reclamation	Completed
90000160008	4-23 Prospect St	Lincoln	\$ 253	468	Road Reclamation	Cancelled
90000160426	15-46 Prospect Hill St	Tiverton	\$ 1,721	368	Road Reclamation	Completed
90000161167	Diamond Hill Road & Mendon Rd	Woonsocket	\$ 2,587	1094	Road Reconstruction	In Progress
90000161192	Mendon Rd BS 60# Main Relay	Woonsocket	\$ 2,252	423	Road Reconstruction	In Progress
90000161327	Arnold Rd	Coventry	\$ 313	112	Road Reconstruction	Completed
90000161815	Wellington Av	Newport	\$ 1,498	680	Conflict/Encroachment with Sewer Work	Completed under 90000172607
90000162972	Pleasant St Abandonment	Pawtucket	\$ 256	325	Eliminating Double Mains (LP to99#)	In Progress
90000131377	Lewis St -- CI MN Relay	Central Falls	\$ 46,265	561	Conflict/Encroachment with Water Work	Completed
90000131587	Clyde St - CI Mn Aban PEncroach	Pawtucket	\$ 1	4566	Conflict/Encroachment with Water Work	Completed
90000140411	Power St Main Relay	Providence	\$ 23,550	576	Conflict/Encroachment with Water Work	Completed
90000140422	Circuit Dr Main Relay	Cranston	\$ 15,807	725	Conflict/Encroachment with Water Work	Completed
90000141489	Britton St/Tweed St Relay	Cranston	\$ 17,193	624	Conflict/Encroachment with Sewer Work	Completed

Main WO #	Address	Town	FYTD Spend 12/31/15	Abandoned Footage	Description	Project Status
90000142876	ENC - Waterman St at Gano St, PVD	Providence	\$ 12,841	70	Conflict/Encroachment with Water Work	Completed
90000143135	ENC - 623 Laurel Hill at Lookout	Cranston	\$ (12)	20	Conflict/Encroachment with Water Work	Completed
90000144447	Reservoir Ave Relay	Cranston	\$ 371,173	3742	Conflict/Encroachment with Water Work	Completed
90000144834	Touro St Relay	Newport	\$ 1,098	85	Conflict/Encroachment with Water Work	Completed
90000146316	Avenue C - CIE parallel	Woonsocket	\$ 102,273	485	Conflict/Encroachment with Sewer Work	Completed
90000146647	Robinson Dr Relay	Providence	\$ 1,547	392	Conflict/Encroachment with Sewer Work	Completed
90000147079	Diamond Hill Rd Relay	Woonsocket	\$ 170,827	0	RIDOT Reconstruct (NonReimbursable)	Completed
90000160905	GMEP_Hunt @ Liberty-CF	Central Falls	\$ 12,022	50	Conflict/Encroachment with Water Work	Completed
90000163805	ENCR-87-89 Ruth Av-EP	East Providence	\$ 240	20	Conflict/Encroachment with Water Work	Completed
90000163911	ENCR-Arlington @ Angell-PVD	Providence	\$ 5,346	120	Conflict/Encroachment with Water Work	Completed
90000164146	ENCR-Governor @ Angell-PVD	Providence	\$ 10,285	17	Conflict/Encroachment with Water Work	Completed
90000136731	ENC - Ocean Av at Commercial, Cran	Cranston	\$ 293	22	Conflict/Encroachment with Water Work	Completed
90000142168	ENC - 155 Pleasant St., PVD	Providence	\$ (66)	110	Conflict/Encroachment with Sewer Work	Completed
90000143248	Euclid Ave/Brook St CIE - Prov., RI	Providence	\$ 855	675	Conflict/Encroachment with Sewer Work	Completed
90000144942	ENC - 547 Clinton St., Woon	Woonsocket	\$ 2,984	500	Conflict/Encroachment with Sewer Work	Completed
90000145869	ENC - Reservoir Av at Ausdale Rd	Cranston	\$ 17,779	297	Conflict/Encroachment with Sewer Work	Completed
90000146070	ENC - 12 Beacon St., CF	Central Falls	\$ 10,748	20	Conflict/Encroachment with Sewer Work	Completed
90000146338	ENC - Pershing St at Park Av, Cran	Cranston	\$ 9,173	35	Conflict/Encroachment with Water Work	Completed
90000157612	2015178 - 181 Valley St-CF	Central Falls	\$ 105	13	Conflict/Encroachment with Sewer Work	Completed
90000158426	ENCR-Blackstone St.-CFL	Central Falls	\$ 31,365	25	Conflict/Encroachment with Sewer Work - cancelled	Cancelled
90000159765	ENCR_771 Reservoir-CRAN	Cranston	\$ 20,741	34	Conflict/Encroachment with Water Work	Completed
90000160064	ENCR_Brightridge @ Fairview-EP	East Providence	\$ 130	14	Conflict/Encroachment with Water Work	Completed

Total = \$ 6,638,707 102,815

FY 2016 Public Works Reimbursable

Work Order #	Address	Town	FYTD Spend 12/31/15	Abandoned Footage	Description	Project Status
90000127866	RIDOT School St Mn Relay (PE)	North Smithfield	\$ 1,117	NA	Engineering Fee (RIDOT)	On Hold
90000128231	RIDOT: Harbor Junction Bridge - PE	Providence	\$ (732)	NA	Engineering Fee (RIDOT)	In Progress
90000135039	Meadow St (Apponaug Circulator)	Warwick	\$ 531	20	Conflict w Catch Basin (RIDOT)	Completed
90000135203	Gilbane St (Apponaug Circulator)	Warwick	\$ 15,723	20	Conflict w Catch Basin (RIDOT)	Completed
90000136502	RIDOT Broad St Brdg - CONST	Providence	\$ 7,249	240	Abandon Main NIU (RIDOT)	Cancelled
90000136747	Post @ West Shore (Apponaug Circulator)	Warwick	\$ 1,478	1665	Conflict w Catch Basin (RIDOT)	Completed
90000137978	RIDOT Slatersville Bridge - PE	North Smithfield	\$ 2,306	NA	Engineering Fee (RIDOT)	In Progress
90000140491	Centerville Rd Culvert (Apponaug Circulator)	Warwick	\$ 36,209	115	Culvert Rebuild (RIDOT)	Completed
90000140571	Atwells Ave Bridge (PE)	Providence	\$ 332	NA	Engineering Fee (RIDOT)	Completed
90000140572	Atwells Ave Bridge	Providence	\$ 43,066	120	Bridge Rebuild (RIDOT)	Completed
90000144046	Relocation of Winslow Park	Warwick	\$ 3,896	4165	Street Abandonments (RIAC)	Completed
90000144504	RIAC Lake Shore Dr Culvert (MN)	Warwick	\$ 91,645	60	Culvert Rebuild (RIAC)	Completed
90000145115	Mill Creek Bridge Mn Relay	Warwick	\$ 41,442	293	Bridge Rebuild (CITY)	Completed
90000145410	RIDOT Harbor Junc Brdg - CONST	Providence	\$ 1,277	729	Bridge Rebuild (RIDOT)	In Progress
90000145538	RIDOT: Plainfield Pike	North Smithfield	\$ 3,285	NA	Grade Change Vault Doors (RIDOT)	Completed
90000149714	Byfiled at Ocean Reimbursible	Providence	\$ 6,629	60	Conflict with City Sewer Work	Completed
90000152481	RIDOT Promenade St - CONST	Providence	\$ 192,815	559	Bridge & St Rebuild (RIDOT)	Completed
90000152482	RIDOT Promenade St - PE	Providence	\$ 2	NA	Engineering Fee (RIDOT)	Completed
90000152946	RIDOT Brdg 471 Pawtucket Ave PE	East Providence	\$ 3,950	NA	Engineering Fee (RIDOT)	Completed
90000153054	Main St Bridge & Broadway Intersect	Pawtucket	\$ 33,941	206	Bridge Repairs (City) Safety	Completed
90000154621	Main Ave Mn Relay TF Green Airport	Warwick	\$ 67,898	5201	Street Relocation (RIAC)	Completed
90000155005	RIDOT Woonasquatucket Ave - PE	North Providence	\$ 70	NA	Engineering Fee (RIDOT)	Completed
90000155625	Duplicate 99600000346 for billing	Providence	\$ 63,669	0	Rte 195 Contract 14 (RIDOT) - Call Back WO	Completed
90000159275	RIDOT Mussey Brook Bridge - PE	Lincoln	\$ 1,560	NA	Engineering Fee (RIDOT)	In Progress
90000162227	Groveland Av Abandonment	Warwick	\$ 12,875	749	Street Relocation Conflict (RIAC)	Completed
90000163490	RIDOT Woonasquatucket Ave Mn Relays	North Providence	\$ 5,072	415	Conflict w Drainage (RIDOT)	Completed
90000164145	Greymore Ave Main Cutoff	Warwick	\$ 5,678	361	Street Relocation Conflict (RIAC)	Completed
90000166005	RIDOT HSIP Metacom Ave - PE	Bristol	\$ 1,231	NA	Engineering Fee (RIDOT)	Completed
99600000287	Omega Pond Dam Fish Passage E. Prov	East Providence	\$ 597	33	Conflict w Fish Ladder (RIDEM)	Completed
99600000317	RIDOT Conant St Bridge Main	Pawtucket	\$ 841	262	Bridge Rebuild (RIDOT)	Completed
99600000325	RIDOT Central Bridge - CONST	Barrington	\$ 93,954	570	Bridge Rebuild (RIDOT)	Completed
99600000326	RIDOT Central Bridge - PE	Barrington	\$ 1,528	NA	Engineering Fee (RIDOT)	Completed
99600000336	RIDOT Natick Brdg - CONST	Warwick	\$ 443	525	Bridge Rebuild (RIDOT)	Completed
99600000351	NBC Manton @ San Souci; PVD	Providence	\$ 9	278	Conflict w Structures (NBC)	Completed
99600000356	RIDOT I-195 Cont15 (Const)	Providence	\$ 5,761	874	Street Change Conflicts (RIDOT)	Completed
99600000358	NBC Cont 303.03C - Valley@Gennaro	Providence	\$ 72	122	Conflict w Structures (NBC)	Completed

Total = \$ 747,420 17,642

FY 2017 Public Works Program

A. Work package completed

Main WO #	Address	Town	Estimated Cost	Abandonment Footage Estimate	Description	Status
90000153649	Cowden St / Dexter to Fuller	Central Falls	\$125,320	761	Road Cold Planning Shallow Main	Completed
90000161327	Arnold Rd	Coventry	\$44,197	86	Road Reclamation	Completed
90000153174	George St	Cranston	\$61,200	360	Conflict/Encroachment with Water Work	Completed
90000153672	3-31 Alhambra Ci	Cranston	\$61,200	335	Conflict/Encroachment with Water Work	Completed
90000153673	3-29 Doylston Dr	Cranston	\$58,800	315	Conflict/Encroachment with Water Work	Completed
90000153674	41-100 Alhambra Ci	Cranston	\$136,280	780	Conflict/Encroachment with Water Work	Completed
90000158439	6-19 lake View Rd	Cranston	\$47,300	441	Road Work at 1.5-in Cast Iron Gas Main	FY 17-18
90000157767	4-117 Sherman St	East Providence	\$424,040	2542	Road Reclamation	Completed
90000158427	303-400 Brown St	East Providence	\$148,000	1040	Road Reclamation	Completed
90000162947	Roger Williams Ave @ Ruth Ave	East Providence	\$10,000	50	Conflict/Encroachment with Water Work	Completed
90000016005	Division St.@ Central St.	Lincoln	\$147,760	948	Road Reclamation	Completed
90000159965	Central St -Summer to Old main	Lincoln	\$149,995	696	Road Reclamation	Completed
90000160007	Prospect St @ Mowry St	Lincoln	\$78,440	618	Road Reclamation	Completed
90000160008	Prospect St From cross to Summer	Lincoln	\$102,640	622	Road Reclamation	Cancelled
90000161815	Wellington Ave	Newport	\$181,634	680	Conflict/Encroachment with Sewer Work	Completed under 90000172607
90000157671	71-130 Touro St	Newport	\$365,526	1059	Road Construction	Cancelled
90000157748	River Lane	Newport	\$183,771	498	Road Reconstruction	FY 17-18
90000157788	Red Cross Terrace	Newport	\$59,460	450	Road Reconstruction	FY 17-18
90000163490	Woonasquatucket Ave	North Providence	\$141,091	415	RIDOT Reconstruct (Reimbursable)	Completed
90000158685	516-550 Pawtucket Ave	Pawtucket	\$157,060	674	Conflict/Encroachment with Water Work	Cancelled
90000152213	Hill St	Pawtucket	\$3,000	124	Main Abandonments	FY 17-18
90000162972	Pleasant St	Pawtucket	\$36,088	325	Eliminating Double Mains (LP to99#)	In Progress
90000145111	High St Section -1	South Kingstown	\$97,800	531	RIDOT Reconstruct (NonReimbursable)	Completed
90000145118	High St Section -2	South Kingstown	\$71,540	413	RIDOT Reconstruct (NonReimbursable)	Completed
90000160426	15-46 Prospect Hill St	Tiverton	\$50,990	368	Road Reconstruction	Completed
90000157329	RIAirport Corp	Warwick	\$68,000	7186	Main Abandonments	Completed

90000154621	Main Ave	Warwick	\$416,274	5662	RIAC Reconstruct (Reimbursable)	Completed
90000136895	Appanoag Circulator - Centerville Rd	Warwick	\$10,000	60	RIDOT Reconstruct (Reimbursable)	Completed
90000140491	Centerville Rd Culvert, Warwick, RI	Warwick	\$80,060	150	RIDOT Reconstruct (Reimbursable)	Completed
90000135210	Post @ Prospect St	Warwick	\$20,758	15	RIDOT Reconstruct (Reimbursable)	Completed
90000135454	Post @ Shippee Ave	Warwick	\$23,049	30	RIDOT Reconstruct (Reimbursable)	Completed
90000135496	Post @ Colonial Ave	Warwick	\$81,081	500	RIDOT Reconstruct (Reimbursable)	Completed
90000152089	Roland St	Woonsocket	\$115,570	695	Road Reclamation	Cancelled
90000161192	Mendon Rd	Woonsocket	\$99,673	423	RIDOT Reconstruct (NonReimbursable)	In Progress
90000161167	Diamond & Mendon Rd	Woonsocket	\$185,059	1094	RIDOT Reconstruct (NonReimbursable)	In Progress
90000145819	Bernon St @ main St	Woonsocket	\$82,250	471	RIDOT Reconstruct (Reimbursable)	FY 17-18
Totals			\$4,124,906	31,417		

B. Work to be designed

Main WO#	Address	Town	Estimated Cost	Abandonment Footage Estimate	Description	Status
90000163028	Area 2	Providence	TBD	8448	Conflict/Encroachment with Water Work	In Progress
Cranston Drainage	Lodge St	Cranston	TBD	0	Conflict/Encroachment with Drainage Work	Completed
90000158976	Newman Av	Middletown	TBD	2225	Road Reclamation	Completed
90000169070	Earl St Area	Lincoln	TBD	2705	Road Reclamation	In Progress
90000168745	Wood & Beaugard	Lincoln	TBD	1178	Road Reclamation	Completed
No WO Yet	Main St & Prov Pike	North Smithfield	TBD	1513	RIDOT Reconstruct (Reimbursable)	FY 17-18
90000168608	Metacom @ Michael	Bristol	TBD	1009	RIDOT Reconstruct (Reimbursable)	Completed
90000169525	Metacom @ Chestnut	Bristol	TBD	997	RIDOT Reconstruct (Reimbursable)	FY 17-18
90000169538	Metacom @ Bayview	Bristol	TBD	601	RIDOT Reconstruct (Reimbursable)	FY 17-18
90000165475	Bridge 471	E Providence	TBD	644	RIDOT Reconstruct (Reimbursable)	In Progress
No WO Yet	Mussey Brook Bridge	Lincoln	TBD	68	RIDOT Reconstruct (Reimbursable)	FY 17-18
90000145406	Harbor Junction Bridge	Providence	TBD	723	RIDOT Reconstruct (Reimbursable)	Completed
90000155679	Division St Bridge	Pawtucket	TBD	0	RIDOT Reconstruct (NonReimbursable)	FY 17-18

90000135983	Hamlet Ave Bridge	Woonsocket	TBD	0	RIDOT Reconstruct (Reimbursable)	Completed
90000168588	W Main @ Maple	Middletown	TBD	20	RIDOT Reconstruct (Reimbursable)	Completed
90000168589	W Main @ Rockwood	Middletown	TBD	536	RIDOT Reconstruct (Reimbursable)	Completed
90000168590	Coddington	Middletown	TBD	333	RIDOT Reconstruct (Reimbursable)	Completed
90000168605	W Main Services	Middletown	TBD	0	RIDOT Reconstruct (Reimbursable)	Completed
Totals				21,000		

COMM 1-6

Request:

What is the anticipated cost of Phase 3 of the Cumberland LNG project?

Response:

The current FY 2018 Cumberland LNG Tank demolition cost estimate is \$3.589 million. Underlying assumptions include the following:

- A preliminary quote with disposal costs was obtained from a demolition contractor.
- Contaminant levels in the debris (PCBs, heavy metals and asbestos) have not been quantified, but worst case (>50 parts per billion) has been for estimation purposes.
- Duration of construction time is expected to be three months.
- Environmental controls and permitting have been incorporated into the estimate.
- The established National Grid estimation process was applied, which incorporates the appropriate levels of National Grid contingency, construction oversight and overhead allocations.
- The estimate is considered a Level II estimate, which has a projected accuracy of +/- 25%.
- A competitive bidding process will be initiated in March 2017, with demolition work scheduled to commence in June 2017.
- Site restoration, including storm water management, is planned for FY 2019, so is not part of the estimate.
- A forensic analysis of the tank condition that resulted in the decommissioning decision shall be undertaken to ascertain the cause(s).

COMM 1-8

Request:

Please describe in more detail each of the new programs in the Gas System Reliability Projects, i.e., the Heater Program, Gas Control, Take Station Refurbishments and Instrumentation and Regulation Reactive Program.

Response:

Heater Replacement Program:

The Heater Replacement Program encompasses the installation and replacement of gas heaters at Meter and Regulator Stations. Such heaters are operated to ensure proper conditioning and control of gas temperatures. Heaters are replaced when they reach the end of their useful life. National Grid has instituted a program that provides for condition-based assessments of all pipeline heaters. Heater projects are prioritized through the assessments, which include age, capacity, redundancy, system impact, and compliance with accepted industry standards. Engineering and design is typically performed one year in advance of the physical work in order to allow time to procure long lead items.

Gas System Control:

The Gas Control Reliability Budget was set up to cover the expense of updating the SCADA system to incorporate new capital additions to the gas system. These costs are actually covered in the project work and this budget, therefore, has not been utilized, so this category is now being taken out of the FY 2018 Gas ISR Plan as part of the revised ISR submission.

Take Station Refurbishment Program:

The Take Station Refurbishment program addresses required modifications to National Grid's custody transfer stations. National Grid has instituted a program that provides for condition-based assessments for all take stations. These assessments include, in part, overpressure protection, security, system impact, safety devices, corrosion, odorant systems, structure integrity, and weather related impacts. Take station projects will address the replacement or installation of overpressure protection devices, odorant systems, and other facility-related deficiencies.

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Instrumentation and Regulation (I&R) Program:

This program is an annual capital improvement/replacement program. During the course of the year, several projects are highlighted by I&R field staff due to equipment damage and/or unsatisfactory operating issues. Projects primarily include valve replacements, regulator replacements, station rebuilds, odorizer replacements, heater replacements, emergency generator installations and other similar work. The work plan consists of projects that are identified by Company management over the course of the year. During annual maintenance inspections crews come across various maintenance issues, such as broken doors or broken valves, among other issues, that need to be replaced as soon as possible. Lightning storms, vehicles hitting traffic boxes, and other similar issues also lead to instrumentation being damaged which, as a result, requires immediate replacement.