

March 15, 2019

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4916 - National Grid's Proposed FY 2020 Gas Infrastructure, Safety, and Reliability Plan
Supplemental Response to PUC 3-3

Dear Ms. Massaro:

Enclosed please find 10 copies of National Grid's¹ Supplemental Response to PUC 3-3 in the above-referenced matter.

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

Enclosures

cc: Docket 4916 Service List
Christy Hetherington, Esq.
Al Mancini, Division
John Bell, Division
Rod Walker, Division

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

PUC 3-3 – Supplemental

Request:

In FY 2019 Gas ISR Plan, the Company stated that there were 1186 miles of leak prone pipes out of a total of 3193 miles of pipes. In FY 2020 Gas ISR Plan, the Company stated that there were 1190 miles of leak prone pipes out of a total of 3205 miles of pipes.

- a) Why has the total number of miles of leak-prone pipe increased?
- b) These figures appear to indicate that 12 new miles of pipes were installed for one year to the next. If so, where?

Response:

- a) Prior to the filing of the Fiscal Year (FY) 2020 Gas Infrastructure, Safety, and Reliability (ISR) Plan with the Public Utilities Commission, the Company had limited the reporting of leak-prone pipe inventory in the ISR Plan to cast iron and bare steel. In FY 2020, the Company added 50 miles of Aldyl-A plastic pipe to its ISR leak-prone pipe classification. Aldyl-A consists of pre-1985 vintage plastic that is susceptible to slow-crack growth failure. Slow-crack growth failures begin when a microscopic defect in the pipe behaves as a stress concentrator when a force is exerted against the defect and enables the defect to grow in response to the stress.
- b) The Company is in the process of reviewing the reported inventory increase to identify the locations of any new main. In general, the Company would expect total inventory to increase year to year as a result of new growth main, new pipelines, or other system reliability projects. At this time, the Company anticipates this information will be available by March 14, 2019.

Supplemental Response:

Please refer to Attachment PUC 3-3-Supplemental for the Company's percentage distribution of new main, by town, for calendar year 2017.

Towns	Percent Growth
Barrington	3.1%
Bristol	3.7%
Burrillville	4.0%
Coventry	7.5%
Cranston	6.3%
Cumberland	0.7%
East Greenwich	3.2%
East Providence	8.8%
Johnston	16.6%
Lincoln	3.3%
Middletown	0.3%
Narragansett	1.9%
Newport	5.6%
North Kingstown	2.2%
North Providence	0.5%
Providence	13.4%
Smithfield	5.6%
South Kingstown	0.3%
South Kingstown	0.6%
Tiverton	2.9%
W Warwick	0.4%
Warwick	2.9%
West Warwick	2.0%
Westerly	2.2%
Woonsocket	2.1%
Total	100.0%

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

March 15, 2019
Date

Docket No. 4916 - National Grid's FY 2020 Gas Infrastructure, Safety and Reliability (ISR) Plan - Service List 2/5/2019

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