

March 13, 2019

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4915 - Proposed FY 2020 Electric Infrastructure, Safety, and Reliability Plan Responses to Record Requests

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed ten (10) copies of the Company's responses to the Record Requests issued at Rhode Island Public Utilities Commission's evidentiary hearing on March 5, 2019 in the above-referenced docket.

Thank you for your attention to this transmittal. If you have any questions, please contact me at 401-784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4915 Service List
John Bell, Division
Greg Booth, Division
Leo Wold, Esq.
Christy Hetherington, Esq.
Al Contente, Division

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

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 13, 2019
Date

Docket No. 4915 - National Grid's Electric ISR Plan FY 2020
Docket No. 4857 - Performance Incentives Pursuant to R.I.G.L. §39-1
27.7.1(e)(3)

Service List as of 1/4/2019

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File an original & ten copies w/: Luly E. Massaro, Commission Clerk John Harrington, Commission Counsel Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov ; John.harrington@puc.ri.gov ; Cynthia.WilsonFrias@puc.ri.gov ; Alan.nault@puc.ri.gov ;	401-780-2107

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4915
In Re: Electric Infrastructure, Safety, and Reliability Plan FY2020
Responses to Responses to Record Requests
Issued at the Commission's Evidentiary Hearing
On March 5, 2019

Record Request No. 1

Request:

Referring to Tables 5 & 6 on Bates page 132, please provide the formula used to calculate each row and column. Please use row and column numbers or letters to simplify your response.

Response:

	A	B	C	D	E	F	G	H
			Post-Project Year 1		Post-Project Year 2		Post-Project Year 3	
	Project Year	EHTM Cost	Δ CI	$\$/\Delta$ CI	Average Δ CI	$\$/\Delta$ CI	Average Δ CI	$\$/\Delta$ CI
1	2008	\$ 579,857	9,614	\$ 60	12,132	\$ 48	12,393	\$ 47
2	2009	\$ 497,187	25,544	\$ 19	24,311	\$ 20	21,581	\$ 23
3	2010	\$ 486,681	43,387	\$ 11	40,264	\$ 12	39,476	\$ 12
4	2011	\$ 69,256	947	\$ 73	828	\$ 84	931	\$ 74
5	2012	\$ 560,213	5,630	\$ 98	6,854	\$ 82	6,817	\$ 82
6	2013	\$ 752,577	11,293	\$ 67	11,185	\$ 67	10,568	\$ 71
7	2014	\$ 474,608	12,420	\$ 38	7,840	\$ 61	8,640	\$ 55
8	2015	\$ 763,559	(1,896)	\$ (403)	(3,370)	\$ (227)	(2,224)	(343)
9	2016	\$ 646,253	3,286	\$ 197	3,535	\$ 183	-	-
10	2017	\$ 614,706	5,668	\$ 108	-	-	-	-
11	Totals	\$ 5,444,897	115,893	\$ 47	103,579	\$ 47	98,182	\$ 43

In preparing this response, the Company noticed an error in the calculation of $\$/\Delta$ CI in row 11 for Post-Project Year 2 and Post-Project Year 3. The calculation for Post-Project Year 2 did not include the data for FY 2016 (row 9), and the calculation for Post-Project Year 3 did not include the data for FY 2015 (row 8). The corrections have been made in the chart above.

Column C (Δ CI) is the total change in customers interrupted for all circuits in the EHTM program compared to the three-year average prior to EHTM. Column E (Average Δ CI) is the average Δ CI for Post-Project Years 1 and 2. Column G (Average Δ CI) is the average Δ CI for Post-Project Years 1, 2, and 3. Columns D, F, and H ($\$/\Delta$ CI) are calculated by dividing the EHTM Cost (column B) by Δ CI or Average Δ CI (columns D, F, and H).

The Totals for $\$/\Delta$ CI (row 11) for Post-Project Year 2 are calculated by dividing the EHTM Cost (column B) from FY 2008 – FY 2016 (rows 1-9) by the Totals for Average Δ CI (row 11).

The Totals for $\$/\Delta$ CI (row 11) for Post-Project Year 3 are calculated by dividing the EHTM Cost (column B) from FY 2008 – FY 2015 (rows 1-8) by the Totals for Average Δ CI (row 11).

Record Request No. 2

Request:

Referencing PUC 2-10 and 2-11, please provide the circuit selection criteria for the selection of circuits for EHTM. Include any other information that is used to rank, score, or select circuits for EHTM and explain whether the Company selects circuits that either 1.) meet some minimum score and/or 2.) select only the highest ranked or scoring circuits for EHTM. Please provide the circuit selection score and rank of all circuits screened for EHTM for the FY 2020 ISR, and indicate if the circuit was selected for inclusion in FY 2020.

Response:

There is no minimum score for a circuit to be included in the Enhanced Hazard Tree Mitigation (EHTM) program, and the Company does not select only the highest ranked circuits for EHTM.

The circuit rankings referenced in the Company's response to PUC 2-11 are used as a guide for circuit selection for the EHTM program. Once the circuits are ranked, the Company uses local field knowledge of the highest ranked circuits to determine which circuits are the best candidates for EHTM. For example, if a circuit is high in the EHTM rankings, but was just pruned the previous year, many of the tree issues may have already been addressed and the circuit might not be selected for EHTM.

The EHTM rankings for Fiscal Year 2020 have been included as Attachment RR-2. The Company has not yet selected any circuits for the EHTM program in Fiscal Year 2020. The need to address tree mortality related to the Gypsy Moth infestation has taken priority over the standard EHTM program.

Table with columns for Events, CI, CI/Event, Minutes, CAIDI, SAIDI, SAIFI, Customers, FY Last Prune, FY Next Prune, FY_Last_BHTM, Circuit Use, ROW #s, Substation, State, District, Feeder #, Voltage, Construction, Total Circuit Length - Miles, Total OH Length - Miles, Total 3 Phase OH Length - Miles, Miles Open Wire 3-phase, Total Miles 3-Phase, Stocking Density Rank, Events Rank, CI Rank, CI/Event Rank, EHTM Rank, Customers Rank, Bare OH Rank, 3 Phase OH Rank, EHTM Rank.

The Narragansett Electric Company
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Record Request No. 3

Request:

RR#3 – Please provide the spending totals for the removal of trees from private, municipal, and state-owned property (breakout each separately) for 2019 and anticipated 2020.

Response:

The breakdown of tree removals for fiscal year (FY) 2019 and the estimated breakdown of tree removals for FY 2020, together with spending totals, are detailed in the chart below.

Fiscal Year 2019				
	Private	State	Municipal	Total
# of Removals	460	1,216	26	1,702
Removal Costs	\$ 243,222.85	\$ 642,954.31	\$ 13,747.38	\$ 899,924.54
Fiscal Year 2020				
	Private	State	Municipal	Total
Estimated # of Removals	1,915	638	1,702	4,255
Removal Costs	\$ 1,012,500.00	\$ 337,500.00	\$ 900,000.00	\$ 2,250,000.00

Using the average cost of removal from fiscal year 2019 (\$528.75 per tree), the Company expects to be able to remove approximately 4,255 trees in fiscal year 2020, within the proposed budget of \$2.25M. After removing a large number of trees on state-owned property in fiscal year 2019, the Company will shift its focus to private and municipal property for fiscal year 2020.