

September 25, 2015

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4568 – The Narragansett Electric Company d/b/a National Grid
Review of Electric Distribution Rate Design Pursuant to R.I. Gen. Laws § 39-26.6-24
Responses to WMT Data Requests – Set 1**

Dear Ms. Massaro:

On behalf of National Grid¹, I enclose ten (10) copies of the Company's responses to the first set of data requests issued by Wal-Mart Stores East, LP and Sam's East, Inc. (collectively WMT) on September 9, 2015 in the above-referenced docket.

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

Very truly yours,



Celia B. O'Brien

Enclosures

cc: Docket 4568 Service List
Leo Wold, Esq.
Karen Lyons, Esq.
Steve Scialabba

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.

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

September 25, 2015

Date

**Docket No. 4568 National Grid's Rate Design Pursuant to R.I. Gen. Laws Sec 39-26.6-24
Service List updated 9/21/15**

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The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4568
In Re: Review of Electric Distribution Rate Design
Pursuant to R.I. Gen. Laws § 39-26.6-24
Responses to Wal-Mart Stores East, LP and Sam's East, Inc.'s First Set of Data Requests
Issued on September 9, 2015

WMT 1-1

Request:

Please see Schedule NG-12. Please calculate customer, energy, and demand charges for G-32 as a standalone, non-consolidated rate using the proposed percentage of revenue requirement.

Response:

Attachment WMT 1-1, page 1, is a summary of the total combined class revenue based on the proposed rates for the combined rate class applied to each individual class's billing units. The detail of the revenue calculation is shown on page 2 of Attachment WMT 1-1. Page 1, lines 1 through 11, prices out each rate class's billing determinants at the rates proposed in the Company's filing. Page 1, line 13 is the design revenue for each rate class from the Company's last rate case (i.e., the revenue requirement that forms the basis of each rate class's current rates). As shown on line 15, Rate G-32 customers benefit slightly from the consolidation of the two classes by approximately \$165,000. If the rate classes were not consolidated and each rate class's rates were designed to recover the design revenue shown on Line 13, the Rate G-32 per-kWh charge would need to increase by \$0.00007 per kWh, as calculated on Line 19.

The Narragansett Electric Company
Rate Design for Large Demand - Rate G-32 (includes Rate G-62 and Back-up Rates B-32 & B-62)

Line		G-32 (a)	G-62 (b)	Total (c)
1	Customer Related Revenue Requirement	\$2,720,825	\$36,120	\$2,756,945
2				
3	Demand Related Revenue Requirement	\$28,178,295	\$5,244,075	\$33,422,370
4				
5	kWh Charge Revenue Requirement	\$5,108,828	\$1,207,943	\$6,316,771
6				
7	Discounts	(\$872,616)	(\$567,856)	(\$1,440,472)
8				
9	Second Feeder Service	\$930,950	\$0	\$930,950
10				
11	Total	\$36,066,282	\$5,920,281	\$41,986,564
12				
13	Total Design Revenue Requirement	\$36,231,646	\$5,740,035	\$41,971,681
14				
15	Difference	(\$165,364)	\$180,247	\$14,883
16				
17	G-32 kWh Deliveries	2,221,229,723		
18				
19	Increase in G-32 Charge - No consolidation	\$0.00007		

Line/Column Notes:

L1/C(a)	Page 2, col (f): Line (19) + Line (20)	L11/C(a)	sum of col (a): Lines (1, 3, 5, 7, 9)
L1/C(b)	Page 2, col (f): Line (21) + Line (22)	L11/C(b)	sum of col (b): Lines (1, 3, 5, 7, 9)
L1/C(c)	col (a) + col (b)	L11/C(c)	sum of col (c): Lines (1, 3, 5, 7, 9)
L3/C(a)	Page 2, col (f): Line (35) + Line (36) + Line (37)	L13/C(a)	Schedule NG-10, Page 1 of 1, col (e)
L3/C(b)	Page 2, col (f): Line (38) + Line (39) + Line (40)	L13/C(b)	Schedule NG-10, Page 1 of 1, col (f)
L3/C(c)	col (a) + col (b)	L13/C(c)	col (a) + col (b)
L5/C(a)	Page 2, col (f): Line (27) + Line (28)	L15/C(a)	col (a): Line (11) - Line (13)
L5/C(b)	Page 2, col (f): Line (29) + Line (30)	L15/C(b)	col (b): Line (11) - Line (13)
L5/C(c)	col (a) + col (b)	L15/C(c)	col (c): Line (11) - Line (13)
L7/C(a)	Page 2, col (f): Line (44) + Line (45) + Line (50)	L17/C(a)	Page 2, col (a), Line (27) + Line (28)
L7/C(b)	Page 2, col (f): Line (46) + Line (47) + Line (51)	L19/C(a)	Line 15 ÷ Line 17, truncated to five decimal places
L7/C(c)	col (a) + col (b)		
L9/C(a)	Page 2, col (f): Line (54)		
L9/C(b)	n/a		

The Narragansett Electric Company
Rate Design for Large Demand - Rate G-32 (includes Rate G-62 and Back-up Rates B-32 & B-62)

Line		Unit Cost	Billing Units	Current Rates	Revenue	Billing Units	Proposed Rates	Revenue
			(a)	(b)	(c)	(d)	(e)	(f)
1	Section 1: Allocated Cost of Service/Revenue Allocation							
2								
3	Revenue Allocation				<u>\$41,971,681</u>			<u>\$41,971,681</u>
4								
5	Unit Cost Data:							
6								
7	Customer Related Revenue Requirement	G32	\$166.64					
8	Customer Related Revenue Requirement	G62	\$3,465.43					
9	Percent of Total Revenue Requirement		6.4%					
10								
11	Demand Related Revenue Requirement (kW/mo)	G32	\$6.38					
12	Demand Related Revenue Requirement (kW/mo)	G62	\$6.34					
13	Percent of Total Revenue Requirement		93.6%					
14								
15	Total Revenue Requirement							
16								
17	Section 2: Proposed Rate Design							
18	<u>Customer Charge:</u>							
19	Monthly Bills	B-32	60	\$825.00	\$49,500		\$215.00	\$12,900
20		G-32	12,595	\$825.00	\$10,390,875		\$215.00	\$2,707,925
21		B-62	24	\$17,000.00	\$408,000		\$215.00	\$5,160
22		G-62	144	\$17,000.00	\$2,448,000	12,823	\$215.00	\$30,960
23	Customer Charge Revenue		<u>12,823</u>		<u>\$13,296,375</u>	<u>12,823</u>		<u>\$275,945</u>
24	Percent of Total Revenue Requirement				31.7%			6.6%
25								
26	<u>Energy-based Charge:</u>							
27	kWh Sales	B-32 Supplemental	6,104,280	\$0.00551	\$33,635		\$0.00230	\$14,040
28	kWh Sales	G-32	2,215,125,443	\$0.00551	\$12,205,341		\$0.00230	\$5,094,789
29	kWh Sales	B-62 Supplemental	75,685,416	\$0.00000	\$0		\$0.00230	\$174,076
30	kWh Sales	G-62	449,506,993	\$0.00000	\$0	2,746,422,132	\$0.00230	\$1,033,866
31			<u>2,746,422,132</u>		<u>\$12,238,976</u>	<u>2,746,422,132</u>		<u>\$6,316,771</u>
32	Percent of Total Revenue Requirement				29.2%			15.1%
33								
34	<u>Demand Charge (All)</u>							
35	Demand Billing Units (200 kW Demand)	B-32 Back-up	1,084	\$0.42	\$455	1,084	\$0.53	\$572
36	Demand Billing Units (200 kW Demand)	B-32 Supplemental	18,711	\$3.70	\$69,231	18,711	\$4.50	\$84,200
37	Demand Billing Units (200 kW Demand)	G-32	3,724,034	\$3.70	\$13,778,926	6,243,005	\$4.50	\$28,093,523
38	Demand Billing Units (3000 kW Demand)	B-62 Back-up	85,819	(\$0.02)	-\$1,716	85,819	\$0.53	\$45,313
39	Demand Billing Units (3000 kW Demand)	B-62 Supplemental	146,085	\$2.99	\$436,795	146,085	\$4.50	\$657,384
40	Demand Billing Units (3000 kW Demand)	G-62	1,009,195	\$2.99	\$3,017,494	1,009,195	\$4.50	\$4,541,379
41			<u>4,984,929</u>		<u>\$17,301,184</u>	<u>7,503,900</u>		<u>\$33,422,370</u>
42	Percent of Total Revenue Requirement				41.2%			79.6%
43								
44	HVD Billing Credit Units	B-32	6,665	(\$0.42)	(\$2,799)	6,665	(\$0.42)	(\$2,799)
45		G-32	1,625,054	(\$0.42)	(\$682,523)	1,625,054	(\$0.42)	(\$682,523)
46		B-62	58,127	(\$0.42)	(\$24,413)	58,127	(\$0.42)	(\$24,413)
47		G-62	948,442	(\$0.42)	(\$398,346)	948,442	(\$0.42)	(\$398,346)
48			<u>2,638,288</u>		<u>(\$1,108,081)</u>	<u>2,638,288</u>		<u>(\$1,108,081)</u>
49								
50	HVM Discount	G-32	\$37,458,796	-0.5%	(\$176,056)	\$37,458,796	-0.5%	(\$187,294)
51		G-62	\$6,308,573	-2.3%	(\$142,574)	\$6,308,573	-2.3%	(\$145,097)
52					<u>(\$318,630)</u>			<u>(\$332,391)</u>
53								
54	Second Feeder Service	G-32	293,675	\$3.17	\$930,950	293,675	\$3.17	\$930,950
55								
56	Total Revenue				<u>\$42,340,774</u>			<u>\$41,986,564</u>
57								
58	Difference				\$369,093			\$14,883
59								
60	<u>Design of Back-up Demand Charge</u>							
61								
62	Revenue Requirement (Demand and Energy Based Charges)							\$39,693,256
63								
64	Demand billing Units (Supplemental and G-32/62 Demands)							7,503,900
65								
66	Back-up Demand Charge before 90% Discount							\$5.28
67								
68	Line Notes:							
69	Line (1): Schedule NG-11 Line (45) Column (e) x 1000 + Column (f) x 1000							
70	Line (19), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (4)							
71	Line (20), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (5)							
72	Line (21), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (4)							
73	Line (22), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (5)							
74	Line (23): Sum of Lines 19 through 22							
75	Line (24): Line (23) ÷ Line (56)							
76	Line (27), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (9)							
77	Line (28), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (10)							
78	Line (29), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (9)							
79	Line (30), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (10)							
80	Line (31): Sum of lines 27 through 30							
81	Line (32): Line (31) ÷ Line (56)							
82	Line (35), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (13)							
83	Line (36), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (14)							
84	Line (37), Column (a): per Docket 4323 original filing, Workpaper JAL-2, page 8, line (8)							
85	Line (38), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (13)							
86	Line (39), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (14)							
	Line (40), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (15)							
	Line (41): Sum of lines 35 through 40							
	Line (42): Line (41) ÷ Line (56)							
	Line (44), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (18)							
	Line (45), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line (19)							
	Line (46), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (18)							
	Line (47), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line (19)							
	Line (48): Sum of lines 44 through 47							
	Line (50), Column (a): per Docket 4323 compliance schedule JAL-4, page 5, line 22							
	Line (51), Column (a): per Docket 4323 compliance schedule JAL-4, page 6, line 22							
	Line (52): Line (50) + Line (51)							
	Line (54): per Docket 4323 compliance schedule JAL-4, page 5, line 2							
	Line (56): Line (8) + Line (16) + Line (25) + Line (32) + Line (36) + Line (38)							
	Line (58): Line (56) - Line (3)							
	Line (62), column (f): Line (31), Column (f) + Line (36), column (f) + Line (37), column (f) + Line (39), column (f) + Line (40), column (f)							
	Line (64), column (f): Line (41), column (d)							
	Line (66), column (f): Line (62), column f ÷ Line (64), column (f)							

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4568
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Responses to Wal-Mart Stores East, LP and Sam's East, Inc.'s First Set of Data Requests
Issued on September 9, 2015

WMT 1-2

Request:

Please see Schedule NG-10. Please provide results for the Company's ACOSS that reflect G-32 and G-62 as a single consolidated customer class.

Response:

The Company is unable to perform an allocated cost of service study (ACOSS) based upon G-32 and G-62 as a consolidated class. Consolidation of two rate classes for purposes of determining a combined revenue requirement would require re-calculation of each of the individual allocation factors previously developed in the Docket No. 4323 ACOSS, a process which cannot be completed within the timeframe necessary to produce a timely response to this request. In addition, the Company's ACOSS approved in Docket No. 4323 was performed by an outside consulting firm and the Company is unable to manipulate the results of the ACOSS without the assistance of the consultant who performed the original study.