

February 3, 2012

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Clerk
Rhode Island Division of Public Utilities & Carriers
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Division Docket No. D-11-94
National Grid Hurricane Irene Response Assessment
Responses to Division Data Requests (Set 2)
Section VI. Follow-up to DR #1**

Dear Ms. Massaro:

Enclosed are one original and five (5) copies of National Grid's¹ responses to the Division's Second Set of Data Requests issued in Section VI. Follow-up to DR #1.

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

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Steve Scialabba, Division
Leo Wold, Esq.

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

VI. Follow-up from Data Request #1
Division 2-1

Request:

The response DIV 1-5 part g (page 4 of 9) references three documents “Attachment 1(2,3) DIV 1-5(g)”. These referenced attachments were never received. Please provide the referenced attachments.

Response:

Attachment DIV 1-5 (g) was inadvertently excluded from the Division’s first set of data requests. Please find this document attached as Attachment DIV 2-1-1, Attachment DIV 2-1-2, Attachment DIV 2-1-3: VI. Follow-up from Data Request #1.

Please note: Attachment DIV 2-1-1 consists of 439 pages and Attachment DIV 2-1-2 consists of 368 pages and Attachment DIV 2-1-3 consists of 924 pages. Due to the voluminous nature of these attachments, the Company is providing copies of these attachments on CD-Rom.

Prepared by or under the supervision of: Kathy Lyford and Jennifer Grimsley

VI. Follow-up from Data Request #1
Division 2-2

Request:

The response DIV 1-5 part f (page 3 of 9) contains a table showing “Customers Restored” by date. Provide the corresponding total customers interrupted (cumulative outages) and customers remaining out of service (active outages) that corresponds to the table referenced.

Response:

DATE	CUMULATIVE CUSTOMER INTERRUPTIONS	CUMULATIVE RESTORATIONS	CUSTOMERS RESTORED	CUSTOMERS OUT OF SERVICE
08/28/2011	321,600	86,491	86,491	235,109
08/29/2011	331,500	194,337	107,846	137,163
08/30/2011	341,523	244,855	50,518	96,668
08/31/2011	348,309	297,177	52,322	51,132
09/01/2011	352,770	324,743	27,566	28,027
09/02/2011	355,441	344,571	19,828	10,870
09/03/2011	356,868	355,778	11,207	1,090
09/04/2011	358,921	358,917	3,139	4
09/05/2011	359,569	359,569	652	0

Prepared by or under the supervision of: Jennifer Grimsley

VI. Follow-up from Data Request #1
Division 2-3

Request:

Response DIV 1-5 part j, k, and l provide the number of line sections outages. How many miles of line were out of service? Of this total quantity of mile is there an estimate of how many miles were in alleys, rear lots, or other areas which presented a significant difficulty in reaching with conventional line trucks and digger derricks?

Response:

The response to DIV 1-5 parts j, k and l provides the total number of events that were on three phase primary, single phase primary and secondary lines, respectively. The Company cannot provide the mileage for the line segments out of service or how many miles were in alleys, rear lots, or other areas which presented a significant difficulty in reaching with conventional line trucks and digger derricks. However, the total three phase overhead distribution mileage in Rhode Island is 2,330 miles, and the total single/two phase overhead distribution mileage is 2,955 miles. Considering the total mileage for every feeder affected in Tropical Storm Irene, 2,042 miles of total three phase overhead distribution were on these feeders, and 2,930 miles single/two phase overhead distribution were on these feeders.

Prepared by or under the supervision of: Jennifer Grimsley

VI. Follow-up from Data Request #1
Division 2-4

Request:

Based upon the transmission and sub-transmission events given in Response DIV 1-5 part I, what was the duration of each transmission line outage? Upon restoration of each transmission line, how many customers were restored? Provide the line designation and voltage for each event.

Response:

For the Transmission Line outage data, please refer to Attachment DIV 2-4-1: VI. Follow-up from Data Request #1.

For the Sub-Transmission Line outage data, please refer to Attachment DIV 2-4-2: VI. Follow-up from Data Request #1.

Prepared by or under the supervision of: Will Houston and Michael Gallagher

Transmission Outages - Rhode Island

Substation	Line/Feeder	Customers	Voltage	Transmission swiching to pick up customers	Time Off	Time On	Full/Partial Restore
West Farnum to Nasonville	B23	5100	115		08/28/2011 7:40	08/29//2011 1830	Full
Brayton Point to Mink Street to Read Street to Warren to Bristol	F184	15,000 customers Attleboro, Seekonk, Rehoboth with both F184 and V148 OOS	115	sectionalized Merriman Jct to Brayton Pt back in service 08/28/11 16:09	08/28/2011 8:07	08/29/2011 12:12	Full
Bellrock (NSTAR) to Tiverton to EMI Tiverton to Bates to Canonicus to Dexter	L14	40,000 customers both M13 and L14 locked out	115	08/28/2011 12:27 restored line to Tiverton, EMI Tiverton and Bates from Bellrock	08/28/2011 0930	08/29/2011 13:56	Full
Robinson Avenue to Staples	Q10	9800 Customers picked up on J16 line	115	08/28/2011@ 8:57:00 AM	08/28/2011 7:50	08/29/2011 18:04	Full
Riverside to Farnum and West Farnum	H17	No Customers	115		08/28/2011 9:52	08/28/2011 10:42	Full
Pawtucket to Somerset	T7	No Customers	115		08/28/2011 9:55	08/29/2011 18:50	Full
Somerset to Tiverton to EMI Tiverton to Bates to Canonicus to Dexter	M13	40,000 customers both M13 and L14 locked out	115	Restored line to Dexter 08/29/11 09:24	08/28/2011 9:55	08/29/2011 10:01	Full
Hartford Ave to W. Farnum to Woonsocket	S-171N	No Customers	115		9/1/11 @ 20:09	9/2/11 @ 07:53	Full

Lock Outs								
Subtransmission								
Substation	Line/Feeder	Voltage	Device	Date Off	Time Off	Day On	Time On	Customers Interrupted (Restored within 1 hour of line restoration)
Admiral St	22	23	Station CB	08/28/2011	8:32	08/29/2011	15:17	1
Davisville	84T1	34	Station CB	08/28/2011	8:51	08/28/2011	18:34	3
Davisville	84T2	34	Station CB	08/28/2011	12:56	08/28/2011	17:07	0
Davisville	84T3	34	PTR - P.230 Post Road	08/28/2011	7:25	08/31/2011	0:14	0
Drumrock	2230	23		08/28/2011	9:18	08/28/2011	9:48	1,090
Drumrock to Hope	2232	23	Station CB	08/28/2011	10:29	08/31/2011	10:00	0
Farnum	105K1	23	Station CB	08/28/2011	9:03	08/31/2011	21:35	8
Franklin Sq.	2260	23	Station CB	08/28/2011	11:07	08/30/2011	1:04	0
Gate	38K23	23	PTR @ P3 Fort Wetherhill	08/28/2011	4:11	08/28/2011	5:29	3,276
Gate	38K23	23	PTR 382307 @ P3 Fort Wetherhill	08/28/2011	6:44	08/30/2011	0:54	0
Gate 2	38K21	23	69kV Supply	08/28/2011	9:55	08/29/2011	11:23	953
Gate 2	38K21	23	PTR 382115	08/28/2011	9:55	08/29/2011	15:40	0
Gate 2	38K23	23	69kV Supply	08/28/2011	9:55	08/29/2011	11:27	45
Jepson	37K21	23	69kV Supply	08/28/2011	9:55	08/29/2011	11:52	0
Jepson	37K22	23	69kV Supply	08/28/2011	9:55	08/29/2011	11:52	61

Lock Outs								
Subtransmission								
Jepson	37K33	23	69kV Supply	08/28/2011	9:55	08/29/2011	11:26	0
Johnston	2211	23	Station CB	08/28/2011	9:00	08/28/2011	20:09	3,512
Johnston	2227	23	PTR - P. 5 W.Greenville Rd	08/28/2011	9:00	08/30/2011	21:54	2
Johnston to Hope	2228	23	Station CB	08/28/2011	8:54	08/31/2011	12:50	3
Kent County	3311	34	Station CB	08/28/2011	11:53	08/28/2011	15:39	2,517
Kent County	3312	34	Station CB	08/28/2011	2:17	08/28/2011	3:17	1
Kent County	3312	34	Station CB	08/28/2011	6:35	08/29/2011	13:20	1
Valley	102K22	23	Station CB	08/28/2011	8:16	08/31/2011	21:36	1
Warren	2291	23	Station CB	08/28/2011	10:07	08/28/2011	18:20	1,649
West Kingston	3308	34	Station CB	08/28/2011	8:37	08/30/2011	22:30	0
Wolf Hill	2219	23	Station CB	08/28/2011	8:49			28
Wolf Hill	2221	23	Station CB	08/28/2011	8:49	08/31/2011	2:28	0
Wood River	85T1	34	PTR 632008	08/28/2011	10:41	08/28/2011	13:10	0
Wood River	85T3	34	PTR 635006	08/28/2011	10:40	08/28/2011	13:10	2,617