

March 28, 2012

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4307 - Electric Infrastructure, Safety, and Reliability Plan FY 2013  
Responses to Record Requests**

Dear Ms. Massaro:

Enclosed are ten (10) copies of National Grid's responses to Record Requests that were issued at the Commission's Technical Session on March 23, 2012, in the above-captioned proceeding.

Thank you for your attention to this transmittal. If you have any questions, please feel free to contact me at (401) 784-7667.

Very truly yours,



Thomas R. Teehan

Enclosure

cc: Docket 4307 Service List  
Steve Scialabba  
Leo Wold, Esq.

Record Request #1

Request:

Please provide tree-related outages by circuit, excluding and including major storms.

Response:

Please refer to the Attachment COMM RR#1.

Prepared by or under the supervision of: Craig Allen

<b>Calender Year 2011</b>		
<b>FEEDER # (circuit)</b>	<b>Tree - Customers Interrupted w/Storm</b>	<b>Tree - Customers Interrupted without Storm</b>
07-1J9	2193	0
07-91W40	0	0
53-102W42	44	0
53-102W44	51	0
53-102W51	725	8
53-102W54	3075	1
53-104J7	1142	0
53-107W43	69	0
53-107W50	1	0
53-107W61	50	0
53-107W62	0	0
53-107W63	3567	0
53-107W65	10	10
53-107W66	1	0
53-107W83	17	0
53-107W85	1	0
53-108W51	6	0
53-108W53	835	303
53-108W55	3394	845
53-108W61	91	0
53-108W62	4496	1
53-108W63	321	22
53-108W65	3496	0
53-109J3	14	14
53-109J5	3049	1506
53-111J1	2	0
53-111J3	1	0
53-112W41	5720	800
53-112W42	6079	2881
53-112W43	3314	960
53-112W44	5373	924
53-1137	1	0
53-113J1	1	0
53-113J2	0	0
53-126W40	183	34
53-126W41	7942	3121
53-126W42	1002	16
53-126W50	3603	346
53-126W51	4744	132
53-126W54	1512	0
53-127W40	7831	589
53-127W41	1939	142
53-127W42	1760	0
53-127W43	7	0
53-12J1	38	0
53-12J2	144	0

Calender Year 2011		
FEEDER # (circuit)	Tree - Customers Interrupted w/Storm	Tree - Customers Interrupted without Storm
53-12J4	54	0
53-12J5	1	0
53-12J6	0	0
53-13F2	360	318
53-13F3	290	23
53-13F4	4442	559
53-13F5	97	0
53-13F9	1130	6
53-148J3	40	40
53-148J7	5	0
53-15F1	5446	2613
53-15F2	1551	505
53-17W42	770	0
53-17W43	316	0
53-18F1	811	49
53-18F2	3	0
53-18F3	3409	114
53-18F5	160	0
53-18F6	1853	268
53-18F7	9	1
53-18F8	86	31
53-18F9	32	0
53-20F2	1464	1
53-21F1	2474	169
53-21F2	1707	64
53-21F4	548	289
53-23F1	282	250
53-23F2	759	407
53-23F3	1195	325
53-23F4	110	0
53-23F6	1564	121
53-26W1	1124	82
53-26W3	2358	7
53-26W5	1496	29
53-26W7	168	167
53-27F1	6446	13
53-27F2	1	0
53-27F3	1	0
53-27F4	69	0
53-27F5	470	119
53-27F6	93	1
53-28J1	99	86
53-28J2	69	0
53-2J1	83	31
53-2J3	2	0
53-2J7	0	0

<b>Calender Year 2011</b>		
<b>FEEDER # (circuit)</b>	<b>Tree - Customers Interrupted w/Storm</b>	<b>Tree - Customers Interrupted without Storm</b>
53-30J1	883	883
53-34F1	9812	4889
53-34F2	8013	4103
53-34F3	2098	1128
53-36J1	663	0
53-36J2	2	2
53-36J4	529	0
53-37J2	0	0
53-37J3	0	0
53-37J4	0	0
53-37J5	2	1
53-38F1	2629	464
53-38F1	129	464
53-38F2	170	21
53-38F3	2236	229
53-38F4	1941	34
53-38F5	3145	328
53-38F6	382	369
53-45F2	903	421
53-47J2	19	2
53-47J3	757	0
53-47J4	1234	0
53-48F1	160	2
53-48F2	219	0
53-48F3	3009	2697
53-48F4	537	206
53-48F4	537	206
53-48F5	1629	71
53-48F6	22	20
53-4F1	752	158
53-4F2	3817	97
53-50F2	1568	0
53-50J1	427	0
53-50J2	5	0
53-50J3	602	0
53-51F1	2085	4
53-51F2	453	441
53-51F3	2114	0
53-5F1	600	554
53-5F2	2775	268
53-5F3	516	398
53-5F4	6147	3294
53-60J5	400	0
53-66J1	79	0
53-66J3	1	1
53-66J4	1	1

Calender Year 2011		
FEEDER # (circuit)	Tree - Customers Interrupted w/Storm	Tree - Customers Interrupted without Storm
53-67J1	790	4
53-69F1	3544	37
53-69F3	5393	44
53-6J1	0	0
53-6J2	3	0
53-6J5	208	0
53-6J6	320	0
53-6J7	1	0
53-71J1	688	0
53-71J2	198	0
53-71J3	518	0
53-71J4	612	32
53-71J5	1278	0
53-73J5	558	0
53-76F1	24	22
53-76F2	63	2
53-76F4	2961	75
53-76F5	162	1
53-76F6	51	0
53-76F7	88	22
53-76F8	3	0
53-77J2	26	0
53-77J3	1	0
53-78F3	0	0
53-78F4	63	49
53-79F2	87	0
53-7F1	17	0
53-7F2	3093	1
53-7F4	89	0
53-9J1	895	0
53-9J2	55	55
56-122J2	5	0
56-122J4	23	6
56-131J2	25	0
56-131J4	16	1
56-131J6	2	1
56-146J14	1	0
56-146J2	5	3
56-14F1	4371	2378
56-14F2	5	1
56-14F3	2388	1186
56-14F4	20	11
56-154J18	6	0
56-154J4	109	84
56-154J8	110	110
56-16F1	781	673

<b>Calender Year 2011</b>		
<b>FEEDER # (circuit)</b>	<b>Tree - Customers Interrupted w/Storm</b>	<b>Tree - Customers Interrupted without Storm</b>
56-16F2	585	103
56-16F3	18	0
56-16F4	29	1
56-17F1	107	17
56-17F2	5046	3011
56-17F3	351	2
56-19J14	158	150
56-19J2	22	21
56-21J2	0	0
56-21J4	8	0
56-21J6	1	0
56-22F1	590	49
56-22F2	2756	32
56-22F3	2025	4
56-22F4	1974	25
56-23J12	0	0
56-23J14	0	0
56-23J2	0	0
56-23J4	2	2
56-23J6	0	0
56-29F1	3180	10
56-29F2	1	0
56-30F1	3358	845
56-30F2	2362	207
56-31J1	97	0
56-31J2	882	0
56-32J12	8	0
56-32J14	3	0
56-32J2	6	0
56-3307	0	0
56-3309	1	0
56-3312	2	0
56-33F1	2693	46
56-33F2	5084	2564
56-33F3	8003	3895
56-33F4	2224	348
56-36W41	178	31
56-36W42	95	9
56-36W43	133	27
56-36W44	60	2
56-37J4	75	0
56-37W41	2744	2029
56-37W42	205	96
56-37W43	4167	99
56-3F1	1734	77
56-3F2	2871	1

<b>Calender Year 2011</b>		
<b>FEEDER # (circuit)</b>	<b>Tree - Customers Interrupted w/Storm</b>	<b>Tree - Customers Interrupted without Storm</b>
56-40F1	1060	12
56-41F1	1374	326
56-42F1	5713	1
56-43F1	4225	1727
56-45J2	733	46
56-45J4	1395	4
56-45J6	469	4
56-46F1	2887	94
56-46F2	2124	334
56-46F3	666	99
56-46F4	2100	307
56-49J1	3	0
56-49J2	42	0
56-49J3	34	20
56-49J4	7	0
56-51J12	1	0
56-51J14	0	0
56-51J16	0	0
56-51J2	0	0
56-52F1	1598	1
56-52F2	1388	1
56-52F3	1330	197
56-54F1	8094	2207
56-57J1	15	0
56-57J2	616	1
56-57J3	5	0
56-57J4	1	1
56-57J5	25	2
56-59F1	1858	705
56-59F2	2693	303
56-59F3	4085	1301
56-59F4	256	2
56-61F1	546	5
56-61F2	1568	24
56-61F3	2153	326
56-63F2	997	305
56-63F3	6835	3425
56-63F4	1476	0
56-63F5	721	5
56-63F6	6770	3587
56-64F1	819	3
56-64F2	11	1
56-65J12	589	3
56-65J2	1018	13
56-68F1	2677	1203
56-68F2	2631	96



<b>Calender Year 2011</b>		
<b>FEEDER # (circuit)</b>	<b>Tree - Customers Interrupted w/Storm</b>	<b>Tree - Customers Interrupted without Storm</b>
56-68F3	10834	6319
56-68F4	359	41
56-68F5	1	1
56-72F1	109	1
56-72F2	1417	333
56-72F3	3258	3
56-72F4	2917	264
56-72F5	3148	231
56-72F6	167	17
56-83F2	159	88
56-83F3	21	0
56-86F1	2422	54
56-87F1	0	0
56-87F2	31	0
56-87F3	121	27
56-87F4	1	0
56-88F1	836	44
56-88F3	3694	3061
56-88F5	6832	4107
<b>Total</b>	<b>378,722</b>	<b>90,882</b>

Record Request #2

Request:

Please provide the number of substations without EMS technology and how many substations the Company could add this technology to using the additional \$900,00 in the System Capacity & Performance spending category for EMS?

Response:

The following substation locations in RI have no remote monitoring or control via the Company's Energy Management System (EMS). The two substation in bold in the table below will have work scheduled in FY13 for EMS additions.

AUBURN 73
BONNET 42
CENTRAL FALLS SUB
CENTRE ST
COTTAGE STREET SUB
CROSSMAN STREET SUB
DAGGETT SUB
DRUMROCK 14
FRONT ST. SUB
HARRISON 32
HOPE VALLEY 41
<b>HOSPITAL SUB 146</b>
HUNTINGTON PARK 67
HYDE SUB
KNIGHTSVILLE 66
LAKEWOOD 57
LANGWORTHY CORNER 86
LEE STREET SUB
MERTON 51
<b>NATICK 29</b>
NORTH AQUIDNECK 21
OLNEYVILLE 6
PAWTUXET 31
ROCHAMBEAU AVENUE 37
SOUTH AQUIDNECK 122
SOUTHEAST SUB
SPRAGUE STREET 36
WARWICK MALL 28

Record Request #2 (continued)

The following substation locations in RI currently have a Remote Terminal Unit (RTU) for communication to the Company's EMS. However, additional monitoring and control points can still be added to some of these stations. The five substations shown in bold in the table below have work scheduled in FY13 for EMS additions.

Admiral Street 9  
Anthony 64  
Apponaug 3  
Arctic 49  
Ashaway 43  
Bailey Brook 19  
Barrington 4  
Bristol 51  
Centredale 50  
Chopmist 34  
Clarke Street 65  
Clarkson Street 13  
Coventry 54  
Davisville 84  
Dexter 36  
**Division Street 61**  
Dyer Street 2  
East George St 77  
Eldred 45  
**Elmwood 7 - Outdoor**  
Farnum Pike 23  
Farnum Sub 105  
Franklin Square  
Gate II 38  
Geneva 71  
Harris Avenue 12  
Hope 15  
Hopkins Hill 63  
Hunt River 40  
Jepson 37  
Johnston 18  
Kent County 22  
Kents Corner 47  
Kenyon 68  
Kilvert Street 87  
Kingston 131  
Lafayette 30

**Lincoln Avenue 72**

Lippitt Hill 79

Manton 69

Nasonville 127

Navy 1

**Old Baptist Road 46**

Pawtucket 1 107 Sub

Pawtucket 2 Station 148

**Peacedale 59**

Phillipsdale 20

Point Street 76

Pontiac 27

Putnam Pike 38

Quonset 83

Riverside

Sockanosset 24

Staples 112

Tiverton 2 33

Tower Hill 88

Valley Sub 102

Vernon 23

Wakefield 17

Wampanoag 48

Warren 5

Warwick 52

Washington Sub 126

Waterman Ave 78

West Cranston 21

West Farnum 17

West Greenville 45

West Howard 154

West Kingston 62

Westerly 16

Wolf Hill 19

Wood River 85

At the following substations we plan to complete installation of additional EMS monitoring and control in FY13 utilizing the additional \$900,000 in the System Capacity & Performance spending category for EMS

Record Request #2 (continued)

**Substation**

Peacedale 59, Funding No. CD0526  
Division Street 61, Funding No. CD0531  
Old Baptist 46, Funding No. CD0534

At the following substations we plan to begin, but not necessary complete, the installation of EMS monitoring and control in FY13 also utilizing the additional \$900,000 in the System Capacity & Performance spending category for EMS.

**Substation**

Lincoln Ave 72, Funding No. CD0533  
Elmwood 7 – Outdoor, Funding No. CD0530  
Natick 29, Funding No. CD0528  
Hospital 146, Funding No. CD0529

Prepared by or under the supervision of: Robert Sheridan