

March 28, 2013

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4382 - National Grid's Proposed FY 2014 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 Record Requests that were issued at the Commission's evidentiary hearing on March 22, 2013 concerning the above-referenced proceeding.

This transmittal contains the Company's response to Record Request #5 and #6. The Company will respond to the remaining record requests shortly.

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

Enclosures

cc: Docket 4382 Service List
Leo Wold, Esq.
Steve Scialabba, Division

¹ The Narragansett Electric Company d/b/a National Grid (hereinafter referred to as "National Grid" or the "Company").

Record Request #5

Request:

Please provide a pole age profile with the number of poles in various age groups in five-year increments. Please also confirm the depreciable life of distribution poles.

Response:

The table below provides a pole age profile with the number of poles in various age groups in five-year increments.

Pole Years	Percent
< 5	3%
5 - 9	5%
10 - 14	6%
15 - 19	10%
20 - 24	11%
25 - 29	10%
30 - 34	6%
35 - 39	7%
40 - 44	6%
45 - 49	7%
50 - 54	6%
55 - 59	6%
60 - 64	5%
65 - 69	3%
70 - 74	3%
75 - 79	4%
80 - 84	2%
85 - 89	0%
>= 90	0%
Total	100%

Please note that of the 281,128 distribution poles in Rhode Island, the Company does not have age data for 19,610 poles. The table above represents only those poles for which the Company has age data.

As discussed at the March 22, 2013 hearing, the Company replaces poles based on condition, not based on age.

The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. 4382
In Re: Proposed FY 2014 Electric Infrastructure,
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Record Request #5, page 2

The current approved depreciation rate on Account 364-Poles, Towers & Fixtures is 3.58% which translates to a depreciable life of 27.93 years.

Prepared by or under the supervision of: Jennifer L. Grimsley and William R. Richer

The Narragansett Electric Company
d/b/a National Grid
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In Re: Proposed FY 2014 Electric Infrastructure,
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Record Request #6

Request:

Please provide a version of the Chart in Commission Exhibit 9 (attached to COMM 1-11 from Docket No. 4307) by year for the last five years rather than the average.

Response:

Attached please find as Attachment RR #6, the Events, Customers Interrupted (CI) and Customer Minutes interrupted (CMI) by year for each of the last five years showing interruptions by cause, both excluding Major Event Days and including Major Event Days, that correspond to the averages shown in Charts 2 and 3 in COMM 2-2. Please note that there were several incorrect labels on Charts 2 and 3 in COMM 2-2, and these have been corrected in this response.

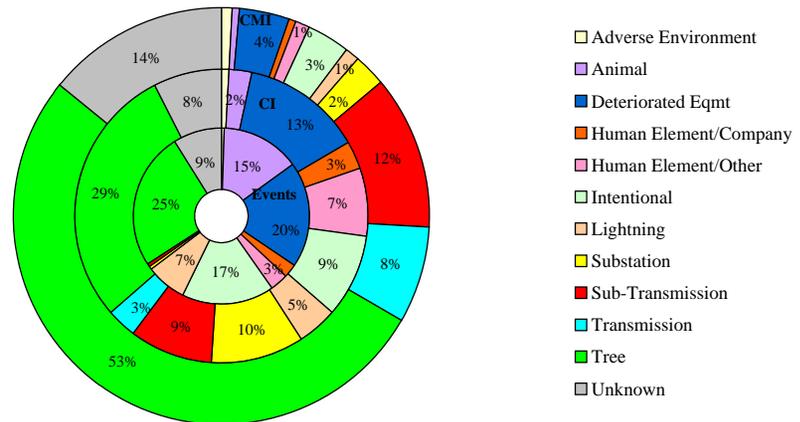
Prepared by or under the supervision of: Jennifer L. Grimsley

**Rhode Island Customer Interruptions by Cause (Including PUC Major Event Days)
2008 to 2012**

Cause Group	2008			2009			2010			2011			2012		
	EVENTS	CI	CMI	EVENTS	CI	CMI									
Adverse Environment	15	5,926	313,049	6	3,926	166,024	16	5,303	4,964,528	30	5,569	4,785,484	20	5,416	2,524,315
Animal	515	16,977	965,114	445	11,769	679,877	791	18,031	1,161,785	542	15,952	1,420,730	328	9,912	622,760
Deteriorated Eqmt	869	71,485	6,355,845	690	85,047	5,928,281	765	88,643	7,366,054	672	97,210	30,174,471	522	48,891	7,160,478
Human Element/Company	102	28,298	1,827,073	42	8,450	471,586	118	26,067	2,055,519	81	20,423	1,240,778	65	7,335	951,401
Human Element/Other	109	27,616	1,820,204	133	54,275	3,201,451	112	36,999	2,640,113	121	50,780	5,063,439	126	47,404	4,083,858
Intentional	883	51,720	2,142,451	668	58,356	1,781,343	554	54,349	13,774,324	410	51,741	13,415,004	580	49,950	12,294,958
Lightning	372	34,386	4,950,246	265	27,874	2,649,273	271	36,859	3,515,375	166	15,111	3,074,591	265	21,002	4,031,181
Substation	23	65,718	2,707,423	11	10,713	315,045	20	86,482	14,315,966	13	64,889	8,060,874	16	74,256	8,095,859
Sub-Transmission	18	51,279	2,575,171	14	28,046	1,604,472	15	46,082	3,766,768	27	63,381	128,287,713	23	74,296	30,190,593
Transmission	3	8,721	292,113	1	25	1,175	3	18,438	995,674	4	52,795	102,596,702	3	19,112	425,063
Tree	879	132,780	14,507,491	528	74,116	6,105,570	763	107,610	10,828,815	1,471	314,416	465,451,022	931	217,931	232,804,676
Unknown	221	41,843	2,218,735	150	13,545	1,088,212	238	28,101	2,607,207	614	93,160	170,554,956	365	45,626	20,275,179
Grand Total	4,009	536,749	40,674,915	2,953	376,142	23,992,309	3,666	552,964	67,992,128	4,151	845,427	934,125,764	3,244	621,131	323,460,321

Cause Group	TOTAL	TOTAL	TOTAL	%Events	%CI	%CMI
	EVENTS	CI	CMI			
Adverse Environment	87	26,140	12,753,400	0.48%	0.89%	0.92%
Animal	2,621	72,641	4,850,266	14.54%	2.48%	0.35%
Deteriorated Eqmt	3,518	391,276	56,985,129	19.52%	13.34%	4.10%
Human Element/Company	408	90,573	6,546,357	2.26%	3.09%	0.47%
Human Element/Other	601	217,074	16,809,065	3.33%	7.40%	1.21%
Intentional	3,095	266,116	43,408,080	17.17%	9.07%	3.12%
Lightning	1,339	135,232	18,220,666	7.43%	4.61%	1.31%
Substation	83	302,058	33,495,167	0.46%	10.30%	2.41%
Sub-Transmission	97	263,084	166,424,717	0.54%	8.97%	11.97%
Transmission	14	99,091	104,310,727	0.08%	3.38%	7.50%
Tree	4,572	846,853	729,697,574	25.37%	28.88%	52.49%
Unknown	1,588	222,275	196,744,289	8.81%	7.58%	14.15%
Grand Total	18,023	2,932,413	1,390,245,437	100.00%	100.00%	100.00%

**Rhode Island
Customer Interruptions by Cause
Including PUC Major Event Days
2008 to 2012**

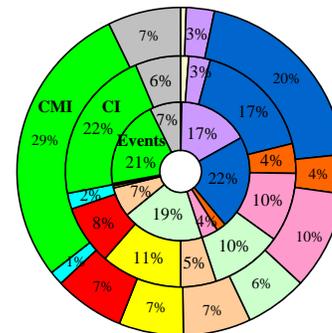


**Rhode Island Customer Interruptions by Cause (Excluding PUC Major Event Days)
2008 to 2012**

Cause Group	2008			2009			2010			2011			2012		
	EVENTS	CI	CMI												
Adverse Environment	13	5,910	310,603	6	3,926	166,024	13	3,800	194,593	15	4,444	224,137	11	4,778	190,081
Animal	515	16,977	965,114	445	11,769	679,877	790	18,021	1,160,335	527	15,547	986,386	328	9,912	622,760
Deteriorated Eqmt	859	67,114	6,033,432	690	85,047	5,928,281	743	87,768	7,042,963	627	89,743	7,328,375	506	47,301	5,084,872
Human Element/Company	102	28,298	1,827,073	42	8,450	471,586	117	26,047	2,054,319	79	18,455	1,155,091	49	7,043	777,890
Human Element/Other	108	27,607	1,819,493	133	54,275	3,201,451	112	36,999	2,640,113	112	48,650	3,823,496	126	47,404	4,083,858
Intentional	875	44,887	2,105,353	668	58,356	1,781,343	535	37,743	1,725,471	391	44,526	2,153,445	558	40,927	1,833,470
Lightning	255	25,987	2,549,067	265	27,874	2,649,273	271	36,859	3,515,375	120	11,044	824,776	173	9,362	1,030,527
Substation	21	65,704	2,702,750	11	10,713	315,045	19	77,189	3,685,165	10	37,086	1,196,063	13	63,397	2,465,614
Sub-Transmission	14	40,845	2,051,323	14	28,046	1,604,472	13	40,034	2,804,380	9	22,524	1,860,173	15	51,972	2,711,611
Transmission	3	8,721	292,113	1	25	1,175	3	18,438	995,674	1	2,973	110,003	1	19,099	423,723
Tree	755	109,214	10,486,486	528	74,116	6,105,570	705	97,807	8,740,324	657	97,485	10,218,736	597	100,459	9,679,344
Unknown	212	37,501	2,031,337	150	13,545	1,088,212	228	23,962	1,906,638	292	36,065	3,411,110	256	32,176	2,967,082
Grand Total	3,732	478,765	33,174,144	2,953	376,142	23,992,309	3,549	504,667	36,465,350	2,840	428,542	33,291,791	2,633	433,830	31,870,832

Cause Group	TOTAL EVENTS	TOTAL CI	TOTAL CMI	%Events	%CI	%CMI
Adverse Environment	58	22,858	1,085,438	0.37%	1.03%	0.68%
Animal	2,605	72,226	4,414,472	16.58%	3.25%	2.78%
Deteriorated Eqmt	3,425	376,973	31,417,923	21.81%	16.97%	19.79%
Human Element/Company	389	88,293	6,285,959	2.48%	3.97%	3.96%
Human Element/Other	591	214,935	15,568,411	3.76%	9.67%	9.80%
Intentional	3,027	226,439	9,599,082	19.27%	10.19%	6.04%
Lightning	1,084	111,126	10,569,018	6.90%	5.00%	6.66%
Substation	74	254,089	10,364,637	0.47%	11.44%	6.53%
Sub-Transmission	65	183,421	11,031,959	0.41%	8.25%	6.95%
Transmission	9	49,256	1,822,688	0.06%	2.22%	1.15%
Tree	3,242	479,081	45,230,460	20.64%	21.56%	28.48%
Unknown	1,138	143,249	11,404,379	7.25%	6.45%	7.18%
Grand Total	15,707	2,221,946	158,794,426	100.00%	100.00%	100.00%

**Rhode Island
Customer Interruptions by Cause
Excluding PUC Major Event Days
2008 to 2012**



- Adverse Environment
- Animal
- Deteriorated Eqmt
- Human Element/Company
- Human Element/Other
- Intentional
- Lightning
- Substation
- Sub-Transmission
- Transmission
- Tree
- Unknown