

May 26, 2016

BY HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4237 - Commission Investigation relating to Stray and Contact Voltage
Occurring in The Narragansett Electric Company Territories
National Grid 2016 Contact Voltage Annual Report
Revised Exhibit 4 – Page 10**

Dear Ms. Massaro:

I have enclosed for filing in the above-referenced docket, clean and redlined versions of National Grid's¹ revision to page 10 of Exhibit 4 of the 2016 Contact Voltage Annual Report, which the Company filed with the PUC on April 6, 2016. On page 10 of Exhibit 4, National Grid has deleted the reference to "Narda 8950/10 Stray Voltage System" and replaced it with "Electric Field Solutions Voltage Detection System." National Grid made this revision because the mobile voltage equipment used for stray voltage testing was the Electric Field Solutions Detection System and not the Narda 8950/10 Stray Voltage System.

Thank you for your attention to this transmittal. If you have any questions, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

Enclosure

cc: Docket 4237 Service List
Steve Scialabba
Leo Wold, Esq.

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

AUG 6, 2016
Date

**Docket No. 4237 – Commission’s Proceeding Relating to Stray
and Contact Voltage Pursuant to Enacted Legislation
Service List updated 04/02/15**

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	Equipment Elevated Voltage Testing	Version 2.0 – 09/30/13

- 4.4 Mobile Voltage Detection Equipment:
Electric Field Solutions Voltage Detection System
SVD2000 Stray Voltage Mobile Detector

5.0 TEST PROCEDURE

5.1 Job Briefing

- 5.1.1 At minimum, the following information shall be communicated to all personnel at the beginning of each shift for equipment elevated voltage testing:
- Structures are never to be touched with a bare hand while performing the tests, only the voltage detector or meter probe is to be used to make contact with the facilities.
 - Appropriate PPE shall be worn.
 - Each individual needs to be aware of his/her surroundings at all times.
 - Make sure to observe all traffic before entering a street, either at intersections or any other point.
 - Traffic safety vest (DOT Compliant Class II) is to be worn at all times when exposed to traffic. Be aware that when bending down, the visibility benefits of the traffic safety vest are diminished.
 - Obey all traffic control devices.
 - When working in the street, face oncoming traffic whenever possible.

5.2 Measurements for voltages will be performed in accordance with the following:

- 5.2.1 Initial measurements for the presence of voltage shall be made using a certified proximity detection unit as noted in the testing equipment certified equipment list in Section 4.0, 4.3.
- To verify the proper operation of the proximity detector, follow operating instructions for the particular certified unit being utilized, this is to be done daily.
 - After verification that the detection unit is working, approach the area/equipment to be tested. The proximity detector will illuminate prior to touching the area/equipment being tested if voltage is present. If the proximity detector does not illuminate in close proximity to the area/equipment touch the area/equipment to be tested with the probe of the unit.
- 5.2.2 If this test detects voltage, repeat the test with the portable AC voltmeter (The 500 ohm resistor is NOT used in this initial test):
- Measurements with a portable AC voltmeter shall be taken on clean bare metallic surface (structure, ground wire, etc.)
 - When using a portable AC voltmeter, connection shall be made to suitable neutral or ground source with the common (black) lead.

PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR THE LATEST AUTHORIZED VERSION PLEASE REFER TO THE APPROPRIATE DEPARTMENT WEBSITE OR DOCUMENTUM.		
File: NG-EOP G016 Equipment Elevated Voltage Testing MGA	Originating Department: Standards, Policies & Codes	Sponsor: Susan Fleck

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