Orange and Rockland Utilities, Inc.

STRAY VOLTAGE TESTS AND FACILITY INSPECTIONS

Report on the results of stray voltage tests and facility inspections for the annual period ended December 31, 2014

February 17, 2015

Pearl River, New York

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I. Background

The New York State Public Service Commission's ("PSC" or "Commission") Electric Safety Standards issued on January 5, 2005 (Case 04-M-0159, with subsequent revisions issued on July 21, 2005, December 15, 2008 and March 22, 2013 ("Safety Standards")[1], require electric utilities in New York State to annually stray voltage test their publicly accessible underground electric facilities, including but not limited to, manholes, service boxes, and transformer vaults. Stray voltage testing shall be conducted on the exposed surfaces of the facilities. Annual stray voltage testing shall also be conducted on Company and non-Company owned, publically accessible, metallic street light and traffic signal poles located in public thoroughfares in the Company's service territory. The Safety Standards also require the Company to stray voltage test overhead distribution facilities, underground residential distribution facilities, overhead and underground transmission facilities, and substation fences concurrently with the facility five year inspections required by the Safety Standards.

This Stray Voltage Tests and Facility Inspections Report ("Report") describes the stray voltage detection program and equipment inspection program Orange and Rockland Utilities, Inc. ("O&R" or the "Company") conducted in 2014.

II. Company Overview

O&R is an investor-owned utility that provides electric service to approximately 229,300 customers in a service area of approximately 1,000 square miles within Rockland County and parts of Orange and Sullivan Counties, New York. The Company operates an electric transmission and distribution ("T&D") system that includes 198 distribution circuits with approximately 3,041 overhead circuit miles and 1,700 conductor miles of underground cable, nearly 300 transmission circuit miles, 43 distribution substations, 2 distribution switchyards, 7 transmission substations, 4 transmission/distribution substations, 6 transition structures located in 3 transition yards and 6 transmission switchyards. The Company also owns the transmission interconnections to 6 substations[2] for single industrial customers.

III. Stray Voltage Testing Program

- Testing personnel

  O&R conducted separate stray voltage test programs for its transmission system and its distribution system. Non-Company labor (i.e., contractors), selected through

[1] Case 04-M-0159 – *Proceeding on Motion of the Commission to Examine the Safety of Electric Transmission and Distribution Systems*, Order Instituting Safety Standards (issued January 5, 2005), Order on Petitions for Rehearing and Waiver (issued July 21, 2005), Order Adopting Changes to Electric Safety Standards (issued December 15, 2008) and Order Adopting Changes to Electric Safety Standards (issued March 22, 2013) ("March 22, 2013 Order").

[2] O&R previously reported 7 substations for single industrial customers. One substation for single industrial customers is no longer in service.

O&R's bid selection process, was used to perform the test work associated with each program.

- Equipment

To test for stray voltage, the contractor's inspectors used HD Electric Company LV-S-5 Direct Contact Low Voltage Detectors. This HD device is an independently certified low voltage AC test probe.[3] These probes were used to detect AC voltage on publicly accessible, conductive equipment or apparatus.

- Training

O&R trains the contractor personnel on the contact voltage testing and program requirements. The participants include the contractor's planners, field supervisors and administrative staff assigned to O&R's project. Subsequently, the contractor is required to train new personnel. Prior to the start of annual testing, all contractor personnel are required to attend a one day refresher course, conducted by the Company. The initial two day training program and refresher course include a review of:

- The Safety Standards;
- Company policies and procedures;
- Personal protective equipment;
- Scope of the work for stray voltage testing;
- Completing the testing form;
- Data entry process; and
- Hand-held devices and laptop requirements (increases data entry efficiency).

- Stray Voltage Testing

During the annual period ended December 31, 2014, O&R conducted stray voltage testing of its publicly accessible underground electric facilities, including but not limited to, manholes, service boxes, and transformer vaults. Stray voltage testing was conducted on the exposed surfaces of the facilities. Annual stray voltage testing was also conducted on Company and non-Company owned, publically accessible, metallic street light and traffic signal poles located in public thoroughfares in the Company's service territory. In addition, the Company performed stray voltage tests on its overhead distribution facilities and underground residential distribution facilities, concurrently with the facility five year inspections required by the Safety Standards.

In accordance with the Safety Standards, O&R:

a. Immediately safeguarded and /or mitigated the five voltage findings $\geq$ 1.0 volt identified in 2014, including four on the overhead distribution system and one street light. Permanent repairs were made within 45 days; and,

[3] The HD device is certified to detect AC voltage within a range of 5 volts to 600 volts.

b. Tested all publicly accessible structures and sidewalks within a 30 foot radius of the electric facility where there was a stray voltage finding $\geq$ 1. 0 volt.

There are 169,219 [4] structures that comprise O&R's T&D system and 2,039 non-Company owned metallic street light and traffic signal poles. Among the Company-owned structures, there are structures that did not require stray voltage testing for one or more of the following reasons:

- Wood poles that have no attached appurtenances capable of conducting electricity;
- Wood poles with electrically conductive appurtenances that are not accessible to the public (pre-wired wood);
- The facility is enclosed in fiberglass (non-conductive materials);
- The facility is de-energized; and/or
- The facility is deemed inaccessible to the public.

Inaccessible facilities include:

a. Locked Gate/Fence – Poles behind locked gates and fences that are not accessible to the public, i.e., facilities located in fenced areas owned by other utilities, such as, water companies.
b. Dangerous Grades – Poles located on cliffs and other dangerous grades are generally inaccessible to Company personnel and are approached only under urgent circumstances. The performance of stray voltage testing would constitute an unacceptable risk to the employee.
c. Company Property – Poles located on Company property, such as substations, are accessible only to Company personnel and authorized contractors.
d. Vaults - Structures located inside buildings. These structures are accessible only to Company and building maintenance personnel.
e. Limited Access Highway Facilities – Structures located on highways, exit and entrance highway ramps. The performance of stray voltage testing would constitute an unacceptable risk to the employee.

In accordance with the Commission's March 22, 2013 Order, O&R was not required to perform mobile testing during the annual period ended December 31, 2014 because there is no city with a population of at least 50,000 located in the Company's service area and the Company does not have an underground network system where mobile testing is effective.

IV. Facility Visual Inspection Program

O&R conducted the majority of the visual inspections in conjunction with its stray voltage testing program. Separate visual inspections were performed on its fiberglass

[4] In 2013 O&R reported 170,648 structures that comprise O&R's T&D system. The reduction is due to structures identified in 2014 that have been identified as customer owned, buried and/or abandoned.

and de-energized facilities. Contractors performed the majority of the stray voltage tests and visual inspections.

The Safety Standards require O&R to visually inspect approximately 20% of its facilities annually, resulting in 100% inspection of its electric facilities every five years.

O&R visually inspects its distribution system on a five-year cycle, as prescribed by the Safety Standards and inspects its transmission system annually.

- Training

  O&R trains the contractor personnel on the visual inspection program requirements. The participants include the contractor's planners, field supervisors and administrative staff assigned to O&R's project. Subsequently, the contractor is required to train new personnel. Prior to the start of annual testing, all contractor personnel are required to attend a one day refresher course. The initial two day training program and refresher course include a review of:

  - The Safety Standards;
  - Company policies and procedures;
  - Personal protective equipment;
  - Scope of the work for visual inspections;
  - Completing the visual inspection form;
  - Data entry process; and
  - Hand-held devices and laptop requirements (increases data entry efficiency).

- Inspection Findings

  In accordance with the Safety Standards, O&R classifies defects found on inspection by the following severity levels to establish priority for repairs and scheduling:

  - Level I – Repair as soon as possible but not longer than one week. A Level I deficiency is an actual or imminent safety hazard to the public or poses a serious and immediate threat to the delivery of power. Critical safety hazards present at the time of the inspection shall be guarded until the hazard is mitigated.
  - Level II – Repair within one year. A Level II deficiency is likely to fail prior to the next inspection cycle and represents a threat to safety and/or reliability should a failure occur prior to repair.
  - Level III – Repair within three years. A Level III deficiency does not present immediate safety or operational concerns and would likely have minimum impact on the safe and reliable delivery of power if it does fail prior to repair.

- Level IV – Condition found but repairs not needed at this time. Level IV is used to track atypical conditions that do not require repair within a five year timeframe. This level should be used for future monitoring purposes and planning proactive maintenance activities.

Appendix 4, Summary of Deficiencies and Repair Activity Resulting from the Inspection Process, to this Report contains the following information:

- Deficiencies found;
- Permanent repair actions taken by year;
- Whether the repair was completed within the required timeframe; and
- The number of deficiencies awaiting repair.

The information is provided on a yearly basis by priority level and by equipment groupings.

V. Stray Voltage Testing and Inspection Program Facilities

- Structure Categories – There are 169,219 structures that comprise O&R's T&D system and 2,039 non-Company owned street lights and traffic signals. The Company facilities are broken down into the following four main categories:

- Distribution Overhead – There are 134,568 distribution pole structures in O&R's territory. Twenty percent of the distribution overhead facilities are included in both the stray voltage and inspection programs. The stray voltage testing criteria include all publicly accessible utility-owned or joint-use wooden poles with utility electrical facilities located on public thoroughfares or customer property, including backyards or alleys. Stray voltage tests are performed on all wooden poles with metallic attachments such as ground wires, ground rods, anchor guy wires, riser pipes, or any electrical equipment within reach of the general public.

- Underground Facilities – There are 27,517 underground facilities in O&R's system. Twenty percent of the facilities are included in both the stray voltage (with the exception of fiberglass hand hole covers) and inspection programs. The stray voltage testing criteria includes subsurface structures and above ground structures. Included in the above ground structures are pad mount transformers and switchgear enclosures. All subsurface structures include electric utility manhole covers, submersible transformer covers and electric utility metal hand hole covers.

- Street Lights and Traffic Signals – Of the 2,501 metallic street light poles and traffic signals within O&R's service territory, 462 are Company-owned street lights. The remaining street lights and traffic signals are owned by municipalities. All metallic street light and traffic signal poles are included in O&R's annual stray voltage testing program. The Company-owned streetlights are included in the facility inspection program. Privately owned street lighting is not included in the stray voltage testing program, as per the Safety Standards. The stray voltage testing criteria includes all

metallic street light poles, traffic signals, and pedestrian crosswalk signals located on publicly accessible thoroughfares. The large majority of street lights in O&R's service area are mounted on wooden poles, and do not require stray voltage testing because their electrically conductive surfaces are not accessible to the public. All stray voltage testing of street lights is performed at night while the fixtures are energized.

- Substation Fences and Transmission Structures – There are 69 substation fences and approximately 6,603 individual poles and towers that comprise O&R's overhead transmission system. Transmission structures support circuit voltages of 34.5 kilovolts and greater. Transmission poles with distribution under build are included in this transmission category. O&R inspects its transmission system annually. Stray voltage testing was performed on all transmission structures and substation fences in 2012. The stray voltage testing criteria includes all structures, guys, and down leads attached to the structures. As per the Safety Standards, stray voltage testing is required to be performed again in 2017.

VI. Annual Performance Targets

O&R performed the required stray voltage testing and facility inspections in accordance with the requirements and performance mechanism targets set forth in the Safety Standards.

In compliance with the Safety Standards, O&R has met the annual performance target for stray voltage testing for the annual period ended December 31, 2014. The structures tested and testing results are set forth in Appendix 1, Stray Voltage Testing Summary, of this Report.

In addition, in compliance with the Safety Standards, O&R has met the fifth-year performance target for inspection of 100% of its electric facilities for the period ending December 31, 2014.

The results are summarized in the table below.

Facility Inspection Program Results

Category	Safety Standards Requirement 2010 – 2014 Inspection Cycle	Actual Cumulative Structures Visited 2014	Inaccessible Structures
Overhead Distribution	100%	101%	0.39%
Overhead Transmission	100%	500 %	0.00%
Underground Structures & Pad-mounted Transformers	100%	102 %	0.73%
Street lights and Traffic Signals	100%	100 %	0.00%

5-Year Inspection Performance Summary

134,568 Total Overhead Distribution Facilities

Inspection Year	Number of Overhead Distribution Structures Inspected	% of Overall System Inspected (Cumulative)
2010	31,140	23%
2011	32,196	47%
2012	27,189	67%
2013	27,063	87%
2014	17,796	101%
Total	135,384	101%*

**Note: Of the poles 135,384 poles inspected during 2010 - 2014, 134,568 were unique inspections.*

6,672 Total Overhead Transmission Facilities and Substation Fences

Inspection Year	Number of Overhead Transmission Facilities and Substation Fences Inspected	% of Overall System Inspected (Cumulative)*
2010	6,668	100%
2011	6,671	200%
2012	6,672	300%
2013	6,672	400%
2014	6,672	500%
Total	33,355	500%*

**Note: O&R visually inspects its transmission system annually.*

27,517 Total Underground Facilities and Pad-mounted Transformers

Inspection Year	Number of Underground Facilities Inspected	Number of Pad-mounted Transformers Inspected	Total Number Of facilities Inspected	% of Overall System Inspected (Cumulative)
2010	646	5,243	5,889	5%
2011	686	5,303	5,989	43%
2012	1,273	4,591	5,864	64%
2013	9,459	289	9,748	100%
2014	312	301	613	102%
Total	12,376	15,727	28,103	102%*

**Note: Of the 28,103 underground and pad-mounted transformer structures inspected 27,517 were unique inspections.*

462 Total O&R Street Lights

Inspection Year	Number of Street Lights Inspected	% of Overall System Inspected (Cumulative)
2010	0	0%
2011	121	26%
2012	2	27%
2013	363	101%
2014	0	101%
Total	486	101%*

**Note: Of the 2,501 street lights and traffic signals, 2,039 are non-Company owned structures and do not require inspection. Of the 486 street lights inspected, 462 are unique inspections.*

VII. Certifications

Pursuant to Section 7 of the Safety Standards, the president or officer of each utility with direct responsibility for overseeing stray voltage testing and facility inspections shall provide an annual certification to the Commission that the utility has, to the best of his or her knowledge, exercised due diligence in carrying out a plan, including quality assurance, that is designed to meet the stray voltage testing and inspection requirements, and that the utility has:

- Tested all of its street lights and traffic signals within the service territory. Publically accessible overhead distribution facilities, underground residential facilities were tested concurrently with the facility inspection required in Section 4 of the Electric Safety Standards, as referred to in the body of this Report; and
- Inspected the requisite number of electric facilities.

The certifications are attached as Exhibit 1of this Report.

VIII. Results of Stray Voltage Tests and Causes of Findings of Stray Voltage

- Of the 169,219 electrical structures that comprise O&R's T&D system and 2,039 non-Company owned equipment, 25,846 distribution structures were visited and/or stray voltage tested as part of its stray voltage-testing program for 2014. O&R stray voltage tested its transmission system in 2012. Pursuant to the Safety Standards, stray voltage testing is required to be performed again in 2017.

The chart below describes all Findings ≥ 1.0 volt identified and mitigated. [5]

Structure Type	*Cause of Voltage*	*Voltages Found ≥ 1 Volt*
Distribution Poles	Damaged Riser	1
	Broken ground wire	1
	Additional grounding required	1
	Abandoned meter pan required disconnection	1
Street Light	Faulty daylight sensor	1

Four voltage findings = /> 1 volt were identified on the overhead distribution system and one on a street light. All voltage findings were immediately safeguarded and permanently mitigated the same day.

O&R analyzed the testing results of 2010 through 2014 and determined that the predominant causes of stray voltage findings were insufficient bonding on ground and guy wires, defective wiring and/or equipment and induced voltage. As a result, O&R has enhanced its quality assurance and control measures by conducting field audits to verify that the system is built to engineering standards.

In accordance with the Safety Standards, when a finding was discovered on the electric facility during stray voltage testing, the Company stray voltage tested all publicly accessible structures and sidewalks within a minimum 30 foot radius of the electric facility. Regarding the five stray voltage finding referred to above, the Company identified no near-by structures with voltage.

[5] Section 1(f) of the Safety Standards defines a Finding as "[a]ny confirmed voltage reading on an electric facility or streetlight greater than or equal to 1 volt measured using a volt meter and 500 ohm shunt resistor." Section 1(c) defines Stray Voltage as "[v]oltage conditions on electric facilities that should not ordinarily exist. These conditions may be due to one or more factors, including, but not limited to, damaged cables, deteriorated, frayed, or missing insulation, improper maintenance, or improper installation."

IX. Inspections Results and Analysis

Of the 169,219 electrical structures that comprise O&R's T&D system, 25,081 structures were inspected during 2014. The charts below summarize the results of these inspections.

Overhead Distribution Structures

Table of Locations with Deficiencies

Locations Inspected	Locations w/ Deficiencies	% Locations w/ Deficiencies
17,796	2,376	14%

Breakdown of Deficiencies

Level Rating	Number of Deficiencies	% Deficiencies Found
1	14	1%
2	283	12%
3	2,097	87%
Total	2,394	100%

Overhead Transmission Structures

Table of Locations with Deficiencies

Locations Inspected	Locations w/ Deficiencies	% Locations w/ Deficiencies
6,672	146	3%

Breakdown of Deficiencies

Level Rating	Number of Deficiencies	% Deficiencies Found
Level 1	0	0%
Level 2	1	0.6%
Level 3	177	99.4%
Total	178	100%

Underground Facilities and Pad-mounted Transformers

Table of Locations with Deficiencies

Locations Inspected	Locations w/ Deficiencies	% Locations w/ Deficiencies
613	43	7%

Breakdown of Deficiencies

Level Rating	Number of Deficiencies	% Deficiencies Found
Level 1	40	80%
Level 2	5	10%
Level 3	5	10%
Total	50	100%

Streetlights*

Table of Locations with Deficiencies

Locations Inspected	Locations w/ Deficiencies	% Locations w/ Deficiencies
0	0	0%

Breakdown of Deficiencies

Level Rating	Number of Deficiencies	% Deficiencies Found
Level 1	0	0%
Level 2	0	0%
Level 3	0	0%
Total	0	0%

**Note: due to the street lights being inspected in previous years there were no inspections required in 2014.*

- Level I Conditions

  In 2014 O&R visually inspected 25,081 structures and identified 54 Level 1 conditions. The Level 1 conditions identified on the overhead distribution system were leaking transformers, blown lightening arrestors, floating primary wires, braced broken poles and cracked insulators. The Level 1 conditions identified on the underground distribution system were primarily hand holes with damaged covers, pad mount transformers off their base, leaking pad mount transformers and structures with corroded exteriors. No Level 1 conditions were identified on the Company's transmission system.

- Level 2 Conditions

  In 2014, 289 Level 2 conditions were identified on the T&D system. There was 1 Level 2 condition identified on the transmission system and 288 on the distribution system. The Level 2 condition on the transmission system was a broken cross arm. The majority of the Level 2 conditions on the overhead distribution system are rungs on poles located below 8'-0" and vines engulfing the transformers. The majority of the Level 2 conditions on the underground distribution system are damaged and unsecured hand hole covers.

- Level 3 Conditions

  In 2014, 2,279 Level 3 conditions were identified on the T&D system. There were 177 Level 3 conditions identified on the transmission system and 2,102 conditions identified on the distribution system. The majority of the Level 3 conditions on the transmission system are woodpecker and insect damage. The remaining conditions are grounding conditions, anchors/guy wire conditions and cross arm conditions. Of the 2,102 Level 3 conditions identified on the overhead distribution system the majority are anchors and guy wire conditions, grounding conditions, conductor conditions, and tree trimming issues. The majority of the Level 3 conditions on the underground distribution system are unsecured hand hole covers.

  In an effort to reduce the Level 2 and Level 3 conditions, O&R continues to improve its quality assurance and control so that new construction is built to specification and the National Electrical Safety Code compliance. O&R's distribution line upgrades, capital improvements, defective pole replacement program and transmission and distribution system repair program (completing repairs on conditions identified during the inspection cycles) have resulted in an approximate 31% reduction in Level 2 and 3 conditions identified during the 2010 -2014 inspection cycle from the number of Level 2 and 3 conditions identified during 2005 through 2009.

X. Quality Assurance and Quality Control

O&R's Quality Assurance and Compliance Department is responsible for the implementation of the Company's Electric Quality Assurance Program ("Electric QA Program"). In addition to verifying compliance with the requirements of the Safety Standards, the Company's Electric QA Program is designed to promote the health and safety of the public, the reliable and economical operation of the Company's electric system, compliance with applicable electric codes and regulations, and utilization of Company resources in an efficient manner.

The O&R Electric QA Program also includes a Corrective Action Documentation and Trending procedure.[6] The purpose of this procedure is to define the process by which

[6] Details on the O&R Electric QA Program and the Corrective Action Documentation were included with the Company's February 18, 2005 filing with the Commission in Case 04-M-0159.

Quality Assurance and Compliance maintains a corrective action database and trends discrepancies identified by the Electric QA Program. O&R personnel implementing the Electric QA Program are independent from the Electric Operations and Electric Engineering Groups and the Company personnel responsible for the implementation of the Stray Voltage Testing and Visual Inspection Programs.

Quality Assurance ("QA") personnel conducted a review of the Stray Voltage Testing and Visual Inspection programs during 2014. QA performed stray voltage testing and visual inspection on a selective sample of previously tested and inspected Company and municipal streetlights, overhead and underground distribution facilities and transmission structures to verify testing and inspection of equipment and the accuracy of data and records. QA conducted announced and unannounced field observations of field personnel to verify that tests were performed on all required structures. QA found the testing and inspections effectively performed and producing results consistent with the Electric QA Programs' objectives.

2014 Quality Assurance and Quality Control Results

The Company's Electric QA Program selectively sampled and retested 575 distribution structures[7]. This statistically significant sample size exceeds the 315 units required by the latest version of ANSI Z1.4 (MIL-STD-105D) for the determination of a normal sample size for a unit population of 10,001 - 35,000. The sample selection was distributed across the various structure types.

575 Structures Sampled

Category	Number of Structures Sampled	Percentage of Sample Size
Overhead Distribution	279	49%
Underground Distribution	58	10%
Street Lights/Traffic Signals	238	41%
Total	575	100%

Of the 575 structures selected, QA identified no stray voltage conditions during retesting and the re-inspections verified the visual inspection results reported by the contractor.

[7] As per the Safety Standards, transmission system stray voltage testing was performed in 2012 and is required to be tested again in 2017.

XI. Other Pertinent Information

- Reports from the Public

As set forth in Appendix 3 to this Report, during 2014, O&R received 15 reports from customers regarding a stray voltage or shock hazard. In compliance with the Safety Standards, O&R responded, investigated and mitigated positive findings of shock incidents reported by the public.

Of the 15 incidents that were reported to O&R, 5 cases were substantiated and 10 incidents proved to be unsubstantiated. Of the 5 substantiated cases, 2 were attributable to O&R system equipment and 3 were due to non-Company equipment.

The 2 cases attributable to O&R were on the overhead system. One defect pertained to a bare service connection, and the second pertained to a faulty service neutral wire. The 3 cases attributable to other parties were a result of faulty customer–owned equipment/wiring.

- Stray Voltage Initiatives

O&R has worked and communicated with the Department of Public Service Commission Staff on issues attendant with the implementation of the Safety Standards. O&R continues to participate in joint meetings with the other New York utilities and Department of Public Service Commission Staff to seek best practices, employ lessons learned, and promote a high degree of consistency in the implementation of the Safety Standards requirements.

- Temporary Repairs

In accordance with the Safety Standards, when a temporary repair is located during inspection or performed by the Company, the Company exercised its best efforts to make a permanent repair of the facility within 90 days. Identified temporary repairs that remain on the system for more than 90 days are generally due to extraordinary circumstances, e.g., storms that require extensive repair activity, equipment outage not available, or customer work required.

Appendix 1

Stray Voltage Testing Summary

Orange & Rockland Utilities, Inc. Data as of 12/31/14	Total System Units Tested	Units Completed	Percent Completed	Units with Voltage Found (>/= 1.0v)	Percent of Units Tested with Voltage (>/= 1.0v)	*Units Classified as Inaccessible
*Overhead Distribution Facilities	17,796	17,796	100.00%	4	0.02%	522
*Underground Distribution Facilities	613	613	100.00%	0	0.00%	201
Street Lights / Traffic Signals	2,501	2,501	100.00%	1	0.04%	0
**Substation Fences	0	0	0.00%	0	0.00%	0
**Transmission Facilities	0	0	0.00%	0	0.00%	0
TOTAL	20,910	20,910	100.00%	5	0.02%	723

** Structures classified as inaccessible are defined on page 4, of this Report.*

*** Substation fences and transmission structures were stray voltage tested in 2012. As per the Safety Standards, stray voltage testing is required to be performed again in 2017.*

Appendix 2

Summary of Energized Objects

	Initial Readings			Readings after Mitigation			
	1-4.4V	4.5-24.9V	>25V	Totals	<1V	1V-4.4V	>4.5V
Distribution Facilities							
Pole							
Ground	1			1	1		
Guy							
Riser		1	1	2	2		
Other	1			1	1		
Underground Facilities							
Service Box							
Manhole							
Padmount Switchgear							
Padmount Transformer							
Vault-Cover/Door							
Pedestal							
Other							
Street Lights / Traffic Signal							
Metal Street Light Pole			1	1	1		
Traffic Signal Pole							
Control Box							
Pedestrian Crossing Pole							
Other							
Substation Fences							
Fence							
Other							
Transmission (Total)							
Lattice Tower							
Pole							
Ground							
Guy							
Other							
Miscellaneous Facilities							
Sidewalk							
Gate/Fence/Awning							
Traffic Sign							
Scaffolding							
Bus Shelter							
Fire Hydrant							
Phone Booth							
Traffic Control Box							
Water Pipe							
Riser							
Other							

Appendix 3

Summary of Shock Reports from the Public

Orange and Rockland Utilities, Inc. January 1, 2014 – December 31, 2014	Quarterly Update	Yearly Total
I. Total Shock calls received:	**7**	**15**
Unsubstantiated	3	10
Normally Energized Equipment	4	5
Stray Voltage:	**4**	**5**
Utility Responsibility (Total)	**2**	**2**
Person	2	2
Animal	0	0
Customer Responsibility (Total)	**2**	**3**
Person	2	3
Animal	0	0
Other Utility/Gov't Agency (Total)	**0**	**0**
Person	0	0
Animal	0	0
II. Injuries Sustained/Medical Attention Received	**0**	**0**
Person	0	0
Animal	0	0
III. Voltage Source: Stray Voltage Total	**4**	**5**
Utility Responsibility (Total)	**2**	**2**
Issue with primary, joint, or transformer	0	0
Secondary joint (Crab)	0	0
SL service Line	0	0
Abandoned SL service line	0	0
Defective service line	0	0
Abandoned service line	0	0
OH Secondary	0	0
OH Service	1	1
OH Service neutral	1	1
Pole	0	0
Riser	0	0
Other	0	0
Customer Responsibility (Total)	**2**	**3**
Contractor damage	0	0
Customer equipment/wiring	2	3
Other Utility/Gov't Agency (Total)	**0**	**0**
SL Base Connection	0	0
SL Internal wiring or light fixture	0	0
Overhead equipment	0	0
IV. Voltage Range	**5**	**5**
1.0V to 4.4V	**0**	**0**
4.5V to 24.9V	**0**	0
25V and above	1	1
No Reading	**4**	4

Appendix 4

Distribution

Orange and Rockland Utilities, Inc.															
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution															
As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Poles															
Pole Condition															
Number of Deficiencies	-	**527**	-	-	**155**	-	-	**853**	-	-	**253**	-	-	**277**	-
Repaired in Time Frame		510			155			773			234			123	
Repaired - Overdue		17						80			19				
Not Repaired - Not Due														154	
Not Repaired - Overdue															
Grounding System															
Number of Deficiencies	-	-	**133**	-	-	**243**	-	-	**77**	-	-	**145**	-	-	**136**
Repaired in Time Frame			133			238			64			108			70
Repaired - Overdue															
Not Repaired - Not Due									13			37			66
Not Repaired - Overdue						5									

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution

As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Poles															
Anchors/Guy Wires															
Number of Deficiencies	-	-	**1,664**	-	-	**98**	-	-	**175**	-	-	**1,239**	-	-	**1,855**
Repaired in Time Frame			1,383			98			167			375			
Repaired - Overdue			281												
Not Repaired-Not Due									8			864			1,855
Not Repaired-Overdue															
Cross Arm/Bracing															
Number of Deficiencies	**1**	**20**	**21**	-	**2**	**6**	-	**2**	**1**	-	**2**	-	**2**	-	-
Repaired in Time Frame	1	20	10		2	6		2	1		2		2		
Repaired - Overdue			11												
Not Repaired - Not Due															
Not Repaired - Overdue															
Riser															
Number of Deficiencies	-	-	**3**	-	-	-	-	-	-	-	-	-	-	-	**32**
Repaired in Time Frame			3												1
Repaired - Overdue															
Not Repaired-Not Due															31
Not Repaired-Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution

As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Conductors															
Primary Wire/Broken Ties															
Number of Deficiencies	**10**	**21**	**96**	**-**	**-**	**24**	-	-	**36**	5	**-**	**75**	**1**	**-**	**14**
Repaired in Time Frame	4	21	47			24			36	3		74	1		1
Repaired - Overdue	6		49							2					
Not Repaired - Not Due												1			13
Not Repaired - Overdue															
Secondary Wire															
Number of Deficiencies	**-**	**-**	**7**	**-**	**-**	**-**	**-**	**1**	**1**	**-**	**1**	**4**	**-**	**-**	**39**
Repaired in Time Frame			5					1			1	3			1
Repaired - Overdue			2												
Not Repaired - Not Due									1			1			38
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution

As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Conductors															
Neutral															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Repaired in Time Frame											1				
Repaired - Overdue															
Not Repaired - Not Due												1			
Not Repaired - Overdue															
Insulators															
Number of Deficiencies	-	1	4	-	-	4	-	-	-	2	-	-	1	-	-
Repaired in Time Frame		1	1			4				2			1		
Repaired - Overdue			3												
Not Repaired - Not Due															
Not Repaired - Overdue															
Pole Equipment															
Transformers															
Number of Deficiencies	1	-	-	3	-	-	5	-	-	-	-	-	4	-	-
Repaired in Time Frame	1			3			5						4		
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution

As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Pole Equipment															
Cutouts															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	**1**	-	-	-	-	-
Repaired in Timeframe										1					
Repaired – Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Lightning Arrestors															
Number of Deficiencies	-	-	**18**	-	-	**2**	-	-	-	**4**	-	-	**5**	-	-
Repaired in Time Frame			9			2				3			5		
Repaired - Overdue			9							1					
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution

As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Pole Equipment															
Other Equipment															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution

As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Miscellaneous															
Trimming Related															
Number of Deficiencies	-	**100**	**11**	-	**18**	**16**	-	**6**	**4**	**1**	**14**	**5**	**1**	**6**	**21**
Repaired in Time Frame		99	11		18	11		6	4	1	11	5	1		
Repaired - Overdue		1				5					3				
Not Repaired - Not Due														6	21
Not Repaired - Overdue															
Other															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.															
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Distribution															
As of 12/31/14															
Overhead Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Overhead Facilities Total															
Total															
Number of Deficiencies	**12**	**669**	**1,957**	**3**	**175**	**393**	**5**	**862**	**294**	**13**	**271**	**1,469**	**14**	**283**	**2,097**
Repaired in Time Frame	6	651	1,602	3	175	383	5	782	272	10	249	565	14	123	73
Repaired - Overdue	6	18	355			5		80		3	22				
Not Repaired - Not Due									22			904		160	2,024
[8]Not Repaired - Overdue						5									

[8] All 2011 defects have been completed in January, 2015.

Transmission

Orange and Rockland Utilities, Inc.															
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Transmission															
As of 12/31/14															
Transmission Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Towers / Poles															
Steel Towers															
Number of Deficiencies	-	-	**33**	-	-	**3**	-	-	-	-	-	**1**	-	-	**14**
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due												1			14
Not Repaired - Overdue			33			3									
Poles															
Number of Deficiencies	-	**22**	**670**	-	**2**	**147**	-	-	**45**	-	**5**	**138**	-	-	**61**
Repaired in Time Frame		18	283		2	63			13		4	62			3
Repaired - Overdue		2	36			3									
Not Repaired - Not Due									32			76			58
Not Repaired - Overdue		2	351			81					1				

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Transmission

As of 12/31/14															
Transmission Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Towers / Poles															
Anchors/Guy Wire															
Number of Deficiencies	-	-	**5**	-	-	**10**	-	-	**2**	-	-	**2**	-	-	**6**
Repaired in Time Frame			5			7			1						
Repaired - Overdue															
Not Repaired - Not Due									1			2			6
Not Repaired - Overdue						3									
Cross Arm/Brace															
Number of Deficiencies	-	**1**	**37**	-	**1**	**14**	-	-	**4**	-	**1**	**7**	-	**1**	**13**
Repaired in Time Frame		1	23		1	5			1					1	2
Repaired - Overdue			2								1				
Not Repaired - Not Due									3			7			11
Not Repaired - Overdue			12			9									
Grounding System															
Number of Deficiencies	-	**2**	**27**	-	-	**23**	-	-	**18**	-	-	**15**	-	-	**41**
Repaired in Time Frame		2	16			14			9			7			9
Repaired - Overdue			1												
Not Repaired - Not Due									9			8			32
Not Repaired - Overdue			10			9									

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Transmission

As of 12/31/14															
Transmission Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Conductors															
Cable															
Number of Deficiencies	-	-	**2**	-	-	-	-	-	-	-	-	-	-	-	**4**
Repaired in Time Frame			2												
Repaired - Overdue															
Not Repaired - Not Due															4
Not Repaired - Overdue															
Static/Neutral															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Transmission

As of 12/31/14															
Transmission Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Conductors															
Insulators															
Number of Deficiencies	-	-	**10**	-	-	**1**	-	-	**3**	-	-	**2**	-	-	**8**
Repaired in Time Frame			1			1			2						
Repaired - Overdue															
Not Repaired - Not Due									1			2			8
Not Repaired - Overdue			9												
Miscellaneous															
Right of Way Condition															
Number of Deficiencies	-	-	**117**	-	-	**37**	-	-	**4**	-	-	**16**	-	-	**30**
Repaired in Time Frame			106			7						4			2
Repaired - Overdue						1									
Not Repaired - Not Due									4			12			28
Not Repaired - Overdue			11			29									
Other															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.															
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Transmission															
As of 12/31/14															
Transmission Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Transmission Facilities Total															
Total															
Number of Deficiencies	-	**25**	**901**	-	**3**	**235**	-	-	**76**	-	**6**	**181**	-	**1**	**177**
Repaired in Time Frame		21	436		3	97			26		4	73		1	16
Repaired - Overdue		2	39			4					1				
Not Repaired - Not Due									50			108			161
[9]Not Repaired - Overdue		2	426			134					1				

[9] O&R has a PSC approved plan to address the overdue repairs in conjunction with capital projects and scheduled facility outages by year end 2016.

Underground

Orange and Rockland Utilities, Inc.															
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Underground															
As of 12/31/14															
Underground Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Underground Structures															
Damaged Cover															
Number of Deficiencies	-	-	-	-	-	**5**	**3**	**3**	**4**	**66**	**30**	**109**	**17**	**5**	**5**
Repaired in Time Frame						5	3	3	4	65	30	80	17	5	5
Repaired - Overdue										1					
Not Repaired - Not Due												29			
Not Repaired - Overdue															
Damaged Structure															
Number of Deficiencies	-	-	-	-	-	-	**4**	-	-	**116**	-	-	**16**	-	-
Repaired in Time Frame							4			116			16		
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Underground

As of 12/31/14															
Underground Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Underground Structures															
Congested Structure															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Damaged Equipment															
Number of Deficiencies	-	-	-	**23**	-	-	**3**	-	-	-	-	-	-	-	-
Repaired in Time Frame				23			3								
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Underground

As of 12/31/14															
Underground Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Conductors															
Primary Cable															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Secondary Cable															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Neutral Cable															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Underground

As of 12/31/14															
Underground Facilities		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Conductors															
Racking Needed															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Miscellaneous															
Other															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Underground Facilities Total															
Total															
Number of Deficiencies	-	-	-	**23**	-	**5**	**10**	**3**	**4**	**182**	**30**	**109**	**33**	**5**	**5**
Repaired in Time Frame				23		5	10	3	4	181	30	80	33	5	5
Repaired - Overdue										1					
Not Repaired - Not Due												29			
Not Repaired - Overdue															

Pad Mount Transformers

Orange and Rockland Utilities, Inc.															
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Pad Mount Transformers															
As of 12/31/14															
Pad Mount Transformers		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Pad Mount Transformers															
Damaged Structure															
Number of Deficiencies	**20**	-	-	**2**	**1**	-	**14**	-	-	**1**	-	-	-	-	-
Repaired in Time Frame	20			2	1		14			1					
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Damaged Equipment															
Number of Deficiencies	**3**	1	-	-	-	-	**12**	-	-	**1**	-	-	**6**	-	-
Repaired in Time Frame	3	1					12			1			6		
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Pad Mount Transformers

As of 12/31/14															
Pad Mount Transformers		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Pad Mount Transformers															
Cable Condition															
Number of Deficiencies	-	-	-	**3**	-	-	**5**	-	-	-	-	-	-	-	-
Repaired in Time Frame				3			5								
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Oil Leak															
Number of Deficiencies	-	-	-	**26**	-	-	**71**	-	-	-	-	-	-	-	-
Repaired in Time Frame				26			71								
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Pad Mount Transformers

As of 12/31/14															
Pad Mount Transformers		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	With in 3 years	Within 1 week	Within 1 year	Within 3 years
Pad Mount Transformers															
Off Pad															
Number of Deficiencies	**23**	-	-	**11**	-	-	**42**	-	-	-	-	-	**1**	-	-
Repaired in Time Frame	23			11			42						1		
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Lock/Latch/Pen															
Number of Deficiencies	**3**	-	**2**	**3**	**3**	-	**44**	-	**1**	-	-	-	-	-	-
Repaired in Time Frame	3		2	3	3		44		1						
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Pad Mount Transformers

As of 12/31/14															
Pad Mount Transformers		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Miscellaneous															
Other															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Pad Mount Transformer Total															
Total															
Number of Deficiencies	**49**	**1**	**2**	**45**	**4**	**-**	**188**	**-**	**1**	**2**	**-**	**-**	**7**	**-**	**-**
Repaired in Time Frame	49	1	2	45	4		188		1	2			7		
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Street Lights

Orange and Rockland Utilities, Inc.															
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Streetlights															
As of 12/31/14															
Streetlights		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Street Light															
Base/Light															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Handhole/Box															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Service Internal Wiring															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Streetlights

As of 12/31/14															
Streetlights		**2010**			**2011**			**2012**			**2013**			**2014**	
Priority Level	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Repair Expected	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years	Within 1 week	Within 1 year	Within 3 years
Street Light															
Access Cover															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Miscellaneous															
Other															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Street Light Total															
Total															
Number of Deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Level IV Conditions

Orange and Rockland Utilities, Inc.										
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Level IV Conditions										
As of 12/31/14										
Level IV Conditions	2010	2010	2011	2011	2012	2012	2013	2013	2014	2014
	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired
Overhead Facilities										
Pole Condition	**13,481**	**994**	**3,194**	**601**	**7,078**	**377**	**5,896**	**195**	**9,546**	**113**
Pole Condition	2,842	133	362	21	1,166	33	992	10	2,147	19
Grounding System	3,621	330	1,693	449	2,118	128	2,724	99	5,267	74
Anchors/Guy Wire	7,017	531	1,139	131	3,794	216	2,180	86	2,132	20
Cross Arm/Bracing	1									
Riser										
Conductors	**1**	-	-	-	-	-	-	-	-	-
Primary Wire/Broken Ties										
Secondary Wire										
Neutral	1									
Insulators										
Pole Equip	-	-	-	-	-	-	-	-	-	-
Transformers										
Cutouts										
Lightning Arrestors										
Other Equipment										
Miscellaneous	-	-	-	-	-	-	-	-	-	-
Trimming Related										
Other										
Overhead Facilities Total	**13,482**	**994**	**3,194**	**601**	**7,078**	**377**	**5,896**	**195**	**9,546**	**113**

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process – Level IV Conditions

As of 12/31/14										
Level IV Conditions	**2010**	**2010**	**2011**	**2011**	**2012**	**2012**	**2013**	**2013**	**2014**	**2014**
	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired
Transmission Facilities										
Towers/Poles	**2,123**	**49**	**3,716**	**209**	**4,195**	**243**	**2,899**	**262**	**5,197**	**181**
Steel Towers	563		757		637		479		907	
Poles	1,444	42	2,565	169	3,092	203	2,067	242	3,743	180
Grounding System	2		6	2	13	2	134	4	20	
Anchors/Guy Wire	18	3	18	1	30	1	23	1	28	
Crossarm/Brace	96	4	370	37	423	37	196	15	499	1
Conductors	**2**	**-**	**-**	**-**	**2**	**-**	**2**	**-**	**3**	**-**
Cable							2		2	
Static/Neutral										
Insulators	2				2				1	
Miscellaneous	**80**	**36**	**220**	**12**	**268**	**15**	**533**	**4**	**580**	**-**
Right of Way Condition	80	36	220	12	268	15	533	4	580	
Other										
Transmission Facilities Total	**2,205**	**85**	**3,936**	**221**	**4,465**	**258**	**3,434**	**266**	**5,780**	**181**

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Level IV Conditions

As of 12/31/14										
Level IV Conditions	**2010**	**2010**	**2011**	**2011**	**2012**	**2012**	**2013**	**2013**	**2014**	**2014**
	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired
Underground Structures										
Underground Structures	**2**	-	-	-	-	-	**1**	-	-	-
Damaged Cover										
Damaged Structure	2						1			
Congested Structure										
Damaged Equipment										
Conductors	-	-	-	-	-	-	-	-	-	-
Primary Cables										
Secondary Cable										
Neutral Cable										
Racking Needed										
Miscellaneous	-	-	-	-	**1**	-	**5**	-	**1**	-
Other					1		5		1	
Underground Structures Total	**2**	-	-	-	**1**	-	**6**	-	**1**	-
Pad Mount Transformers										
Pad Mount Transformers	**42**	-	**12**	-	**29**	-	**3**	-	-	-
Damaged Structure	42		12		29		3			
Damaged Equipment										
Cable Condition										
Oil Leak										
Off Pad										
Lock/Latch/Penta										
Miscellaneous	-	-	-	-	-	-	-	-	-	-
Other										
Pad Mount Transformer Total	**42**	-	**12**		**29**	-	**3**	-	-	-

Orange and Rockland Utilities, Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Level IV Conditions

As of 12/31/14										
Level IV Conditions	**2010**	**2010**	**2011**	**2011**	**2012**	**2012**	**2013**	**2013**	**2014**	**2014**
	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired	Number of Conditions Found	Number of Conditions Repaired
Streetlights										
Street Light	-	-	-	-	-	-	-	-	-	-
Base/Standard/Light										
Handhole/Service Box										
Service/Internal Wiring										
Access Cover										
Miscellaneous	-	-	-	-	-	-	-	-	-	-
Other										
Street Light Total	-	-	-	-	-	-	-	-	-	-
Total Level IV Conditions										
Overall Total	**15,731**	**1,079**	**7,142**	**822**	**11,573**	**635**	**9,339**	**461**	**15,327**	**294**

Summary

Orange and Rockland Utilities, Inc.							
Summary of Deficiencies and Repair Activity Resulting from the Inspection Process							
As of 12/31/14							
Year	Priority Level /Repair Expected		Deficiencies Found (Total)	Repaired In Time Frame	Repaired - Overdue	Not Repaired - Not Due	*Not Repaired – Overdue
2010	I	Within 1 week	61	55	6	-	-
	II	Within 1 year	695	673	20	-	2
	III	Within 3 years	2,860	2,040	394	-	426
	IV	N/A	15,731	-	-	-	-
2011	I	Within 1 week	71	71	-	-	-
	II	Within 1 year	182	182	-	-	-
	III	Within 3 years	633	485	9	-	139
	IV	N/A	7,142	-	-	-	-
2012	I	Within 1 week	203	203	-	-	-
	II	Within 1 year	865	785	80	-	-
	III	Within 3 years	375	303	-	72	-
	IV	N/A	11,573	-	-	-	-
2013	I	Within 1 week	197	193	4	-	-
	II	Within 1 year	307	283	23	-	1
	III	Within 3 years	1,759	718	-	1,041	-
	IV	N/A	9,339	-	-	-	-
2014	I	Within 1 week	54	54	-	-	-
	II	Within 1 year	289	129	-	160	-
	III	Within 3 years	2,279	94	-	2,185	-
	IV	N/A	15,327	294	-	-	-

**Note: O&R has a PSC approved plan to address the overdue repairs in conjunction with capital projects and scheduled facility outages by year end 2016.*

Exhibit 1

CERTIFICATION
STRAY VOLTAGE TESTING

STATE OF NEW YORK)
) ss.:
COUNTY OF ROCKLAND)

Francis W. Peverly, on this 17th day of February 2015, certifies as follows:

1. I am the Vice President, Operations of Orange and Rockland Utilities, Inc. ("the Company"), and in that capacity, I make this Certification for the annual period ending December 31, 2014 ("annual period") based on my knowledge of the testing program adopted by the Company in accordance with the Public Service Commission's Orders issued and effective January 5, 2005, July 21, 2005, December 15, 2008 and March 22, 2013 in Case 04-M-0159 (collectively the "Orders"), including the Quality Assurance Program filed by the Company with the Commission.

2. In accordance with the requirements of the Orders, the Company developed a program designed to test (i) all publicly accessible metallic street light and traffic signal poles located in public thoroughfares in the Company's service territory ("Street Lights"), and (ii) publicly accessible electric facilities owned by the Company ("Facilities") in conjunction with the facility five year inspections, as identified through a good faith effort by the Company, for stray voltage ("Stray Voltage Testing Program").

3. I hereby certify that, to the best of my knowledge, information and belief, the Company has implemented and completed its Stray Voltage Testing Program for the annual period. Except for untested structures that are identified as inaccessible in the Company's Annual Report, submitted herewith, the Company is unaware of any Facilities or Street Lights that were not tested during the annual period.

4. I make this certification subject to the condition and acknowledgment that it is reasonably possible that, notwithstanding the Company's good faith implementation and completion of the Stray Voltage Testing Program, there may be Facilities and Street Lights that, inadvertently, may not have been tested or were not discovered or known after reasonable review of Company records and reasonable visual inspection of the areas of the service territory where Facilities and Street Lights were known to exist or reasonably expected to be found.

F W Peverly

Francis W. Peverly

Sworn to before me this 17th day of February, 2015

Notary Public: JoAnn E Dagele

JOANN E. DAGELE
Notary Public, State of New York
No. 01DA6005650
Qualified in Orange County
Commission Expires 4/20/ 2018

CERTIFICATION
FACILITY INSPECTIONS

STATE OF NEW YORK)
) ss.:
COUNTY OF ROCKLAND)

Francis W. Peverly, on this 17th day of February 2015, certifies as follows:

1. I am the Vice President, Operations of Orange and Rockland Utilities, Inc. ("the Company"), and in that capacity I make this Certification for the annual period ending December 31, 2014 based on my knowledge of the inspection program adopted by the Company in accordance the Public Service Commission's Orders issued and effective January 5, 2005, July 21, 2005, December 15, 2008, and March 22, 2013 in Case 04-M-0159 (collectively the "Orders"), including the Quality Assurance Program filed by the Company with the Commission.
2. The Company has an inspection program that is designed to inspect on a five-year inspection cycle all of its electric facilities ("Facilities"), as identified through a good faith effort by the Company, in accordance with the requirements of the Orders (the "Facility Inspection Program").
3. I hereby certify that, to the best of my knowledge, information and belief, the Company has implemented and completed its Facility Inspection Program to inspect all remaining Company owned facilities during calendar year 2014 that were not inspected during the period 2010 – 2013, in order to comply with the five-year inspection cycle required under the Orders. Except for structures that are identified as inaccessible in the Company's Annual Report, submitted herewith, the Company is unaware of any Facilities or Street Lights that were not inspected during the five-year period ending December 31, 2014.

F.W. Peverly
Francis W. Peverly

Sworn to before me this 17th day of February, 2015

Notary Public:

JoAnn E. Dagele

JOANN E. DAGELE
Notary Public, State of New York
No. 01D46005650
Qualified in Orange County
Commission Expires 4/20/ 2018