Orange and Rockland Utilities, Inc.

STRAY VOLTAGE TESTS AND FACILITY INSPECTIONS

Report on the results of stray voltage tests and facility inspections for the year ended December 31, 2022

February 15, 2023

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 (with subsequent revisions issued on July 21, 2005, December 15, 2008, March 22, 2013 and January 13, 2015) ("Safety Standards"),[1] require electric utilities in New York State to stray voltage test their publicly accessible underground electric facilities annually, including but not limited to, manholes, service boxes, and transformer vaults. Stray voltage testing shall be conducted on the exposed surfaces of these facilities. Annual stray voltage testing shall also be conducted on utility and non-utility owned, publicly accessible, metallic streetlight and traffic signal poles located in public thoroughfares in an electric utility's service territory. The Safety Standards require an electric utility 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 2022.

II. Company Overview

O&R is an investor-owned utility that provides electric service to approximately 235,000 customers in a service territory 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 218 distribution circuits with approximately 3,075 overhead circuit miles and 1,663 conductor miles of underground cable, nearly 468 transmission circuit miles, 44 distribution substations, 7 transmission substations, 5 transmission/distribution substations, 8 transition structures located in 6 transition yards and 5 transmission switchyards. The Company also owns the transmission interconnections to 8 substations 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 O&R's bid selection process, was used to perform the test work associated with each program.

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[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),Order Adopting Changes to Electric Safety Standards (issued March 22, 2013), and Order Granting a Petition to Modify Electric Safety Standards (issued January 13, 2015).

➢ 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.[2] The contractor's inspectors used these probes 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. Those trained 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:

- 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.

➢ Stray Voltage Testing

During the annual period ended December 31, 2022, O&R conducted stray voltage testing of its overhead distribution facilities and underground distribution facilities, concurrently with the facility five-year inspections required by the Safety Standards. Annual stray voltage testing was also conducted on Company and non-Company owned, publicly accessible, metallic streetlight and traffic signal poles located in public thoroughfares in the Company's service territory.

In accordance with the Safety Standards, O&R:

a. Immediately safeguarded and /or mitigated 2 voltage findings $\geq$ 1.0 volt[3] identified in 2022. O&R made permanent repairs within 45 days of stray voltage identification: and,

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

[3] Section 1(f) of the Safety Standards defines a "finding" as "[a]ny confirmed voltage reading on an electric facility or street light greater than or equal to 1 volt measured using a voltmeter and 500ohm shunt resistor." Section 1(c) defines "stray voltage" as "voltage 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."

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

There are 180,409 structures that comprise O&R's T&D system and 2,752 metallic streetlight 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, *e.g.*, facilities located in fenced areas owned by other utilities, such as, water companies.
b. Dangerous Grades – Poles located on cliffs and other dangerous grades that are generally inaccessible to Company personnel and the public and are approached only under urgent circumstances. The performance of stray voltage testing would constitute an unacceptable risk to Company personnel and Company-authorized contractors.
c. Company Property – Poles located on Company property, such as substations, are accessible only to Company personnel and Company-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. These structures are generally inaccessible to the public. The performance of stray voltage testing would constitute an unacceptable risk to Company personnel and Company-authorized contractors.

In accordance with the Commission's June 23, 2011, Order,[4] O&R was not required to perform mobile testing during the annual period ended December 31, 2022, because there is no city with a population of at least 50,000 located in the Company's service territory and the Company does not have an underground network system where mobile testing is effective.

[4] Case 10-E-0271, *Proceeding on Motion of the Commission to Examine the Mobile Testing Requirements of the Safety Standards,* Order Requiring Additional Mobile Stray Voltage Testing (issued June 23, 2011)

IV. Facility Visual Inspection Program

Contractors performed all 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. Those trained 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:

- 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.

➢ 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 to date;
- Permanent repair actions taken by year (2018-2022);
- Whether the repair was completed within the required timeframe; and
- The number of deficiencies awaiting repair.

The information is provided on an annual basis by priority level and by equipment groupings.

V. Program Facilities

- Structure Categories – There are 180,409 structures that comprise O&R's T&D system and 2,752 streetlights/traffic signals. The Company facilities are sorted into the following four main categories:

- Distribution Overhead – There are 139,777 distribution pole structures in O&R's service 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 33,773 underground facilities in O&R's service territory. Twenty percent of the facilities are included in both the stray voltage 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.

- Streetlights and Traffic Signals – There are 2,752 metallic street light poles and traffic signals within O&R's service territory. 533 of the 2,752 are Company-owned streetlights. All metallic streetlight 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.[5] 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 streetlights in O&R's service territory 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 streetlights is performed at night while the fixtures are energized.

- Substation Fences and Transmission Structures – There are 69 substation fences and approximately 6,790 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 visually inspects its transmission system annually. The Company performed stray voltage testing on all transmission structures and substation fences in 2022. The stray voltage testing criteria includes all structures, guys, and down leads attached to the structures.

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, 2022. The structures tested and testing results are set forth in Appendix 1, Stray Voltage Testing Summary, of this Report.

The results are summarized in the tables set forth below.

Inspection Performance Summary

180,409 Total O&R Transmission and Distribution Structures

Inspection Year	Number of Transmission and Distribution Structures Inspected in 2022	% of Transmission and Distribution Structures Inspected in 2022	Cumulative % of Transmission and Distribution Structures Inspected During 5-Year Cycle 2020 - 2024
2022	33,566	18.6%	67.8%

[5] Pursuant to the Commission's direction, the Company continues to perform stray voltage testing on those streetlights that it sells to municipalities. [*See*, Case 19-E-0505, *Petition of Orange and Rockland Utilities, Inc. for Authority, Pursuant to Public Service Law Section 70, to Transfer Street Lighting Facilities to the Village of Florida*, Order Authorizing Property Transfer (issued December 13, 2019) (p. 5).]

139,777 Total Overhead Distribution Structures

Inspection Year	Number of Overhead Distribution Structures Inspected in 2022	% of Overhead Distribution Structures Inspected in 2022	Cumulative % of Overhead Distribution Structures Inspected During 5-Year Cycle 2020 - 2024
2022	22,906	16.4%	62%

6,859 Total Overhead Transmission Structures

Inspection Year	Number of Overhead Transmission Structures Inspected in 2022	% of Overhead Transmission Structures Inspected in 2022	% of Transmission Structures Inspected in 2022
2022	6,859	100%	100%

33,773 Total Underground Structures and Pad-Mounted Transformers

Inspection Year	Number of Underground Facilities and Pad-Mounted Transformers Inspected in 2022	% of Underground Facilities and Pad-Mounted Transformers Inspected in 2022	Cumulative % of Underground Facilities and Pad-Mounted Transformers Inspected During 5-Year Cycle 2020 - 2024
2022	3,801	11.3%	45.2%

**533 Total O&R Streetlights*

Inspection Year	Number of Street Lights Inspected in 2022	% of Street Lights Inspected in 2022	Cumulative % of Street Lights inspected during 5-Year Cycle (2020 - 2024)
2022	0	0%	*0%

**Not due for inspection until 2024*

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 its streetlights and traffic signals within the service territory. Publicly 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. Analysis of Causes of Findings and Stray Voltage

- Of the 180,409 electrical structures that comprise O&R's T&D system, 28,605 T&D structures were stray voltage tested, as part of the Company's stray voltage-testing program for 2022. O&R stray voltage tested its transmission system in 2021. Pursuant to the Safety Standards, the Company is required to perform stray voltage testing again on its transmission system in 2026.

The chart below describes all findings ≥ 1.0 volt identified and mitigated.

Structure Type	*Cause of Voltage*	*Voltages Found ≥ 1 Volt*
Pole Guy and Ground Traffic Signal	Bad Transformer Control Box Connection	1 1

The Company identified 2 findings ≥ 1volt. The Company immediately safeguarded and permanently mitigated them the same day.

O&R analyzed the testing results of 2022 and determined that the predominant cause of stray voltage findings was equipment failure and connections. O&R continues 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 O&R identified a stray voltage finding 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 2 stray voltage findings referred to above, the Company identified no nearby structures with stray voltage.

IX. Inspections Results and Analysis

Of the 180,409 electrical structures due for inspection, O&R inspected 33,566 structures during 2022. 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
22,906	1,932	8.4%

Breakdown of Deficiencies

Level Rating	Number of Deficiencies	% Deficiencies Found
1	8	0.4%
2	1,146	59.3%
3	778	40.3%
Total	**1,932**	**100%**

Overhead Transmission Structures

Table of Locations with Deficiencies

Locations Inspected	*Locations w/ Deficiencies	% Locations w/ Deficiencies
6,859	36	0.5%

Breakdown of Deficiencies

Level Rating	Number of Deficiencies	% Deficiencies Found
Level 1	0	0%
Level 2	0	0%
Level 3	36	100%
Total	**36**	**100%**

Underground Facilities and Pad-mounted Transformers

Table of Locations with Deficiencies

Locations Inspected	*Locations w/ Deficiencies	% Locations w/ Deficiencies
3,801	120	3.2%

Breakdown of Deficiencies

Level Rating	Number of Deficiencies	% Deficiencies Found
Level 1	34	28.3%
Level 2	33	27.5%
Level 3	53	44.2%
Total	**120**	**100%**

Street Lights

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%**

- Level 1 Conditions

  In 2022, O&R visually inspected 33,566 structures and identified 42 Level 1 conditions on the Company's distribution system. The Level 1 conditions O&R identified on the overhead distribution system were primarily floating primary wires and tree limbs on the primary wire. The Level 1 conditions O&R identified on the underground distribution system were primarily damaged and/or leaking pad mount transformers, off base >3", and hand holes with damaged covers. O&R identified no Level 1 conditions on the Company's transmission system.

- Level 2 Conditions

  In 2022, O&R identified 1,179 Level 2 conditions on the T&D system. The majority of the Level 2 conditions on the overhead distribution system are broken cross arms, broken grounds, neutrals/secondary off pin, and vines. The majority of Level 2 conditions on the underground distribution are system hardware corrosion or damage.

- Level 3 Conditions

  In 2022, O&R identified 867 Level 3 conditions on the T&D system. Most Level 3 conditions on the transmission system are wood pole deficiencies, cross arms, and grounding system conditions. Of the Level 3 conditions identified on the overhead distribution system, the majority are anchors and guy wire conditions, tie wires, grounding conditions and conductor conditions. Most Level 3 conditions on the underground distribution system are unsecured hand hole covers.

  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 T&D system repair program (completing repairs on conditions identified during the inspection cycles)

have resulted in an approximate 36.3% reduction in Level 2 and 3 conditions identified during the 2015 -2022 inspection cycle from the number of Level 2 and 3 conditions identified during 2010 through 2014. The analysis will be updated in 2025 at the completion of the next five-year cycle.

X. Quality Assurance and 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 use 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 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 2022. 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 to verify testing and inspection of equipment and the accuracy of data and records.

2022 Quality Assurance and Quality Control Results

The Company's Electric QA Program selectively sampled and retested 785 distribution structures. This statistically significant sample size exceeds the 500 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 35,001 - 150,000. The sample selection was distributed across the various structure types, as noted in the table below.

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

785 Structures Sampled

Category	Number of Structures Sampled	Percentage of Sample Size
Overhead Distribution	291	37.1%
Underground Distribution	412	52.5%
Streetlights/Traffic Signals	82	10.4%
Total	**785**	**100%**

Of the 785 structures selected, QA identified no stray voltage conditions during retesting and the re-inspections verified the visual inspection results reported by the contractor.

XI. Other Pertinent Information

- Reports from the Public

As set forth in Appendix 3 to this Report, during 2022, O&R received twelve 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 twelve incidents that were reported to O&R, eleven were unsubstantiated and one substantiated. The one substantiated case was determined to be caused by a grounding issue at a riser pipe. O&R installed a new riser and reconnected the grounding.

- 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 12/31/22	2022 Total System Units	2022 System Units Tested	Percent Completed	Units with Voltage Found (>/= 1.0v)	Percent of Units Tested with Voltage (>/= 1.0v)	*Units Classified as Inaccessible /Not In Field
***Overhead Distribution Facilities	134,251	22,041	16.4%	1	0.01%	566
Underground Distribution Facilities	33,773	3,874	11.5%	0	0%	108
Streetlights / Traffic Signals	2,752	2,690	100%	1	0%	62
**Substation Fences	0	0	0%	0	0%	0
**Transmission Facilities	0	0	0%	0	0%	0
TOTAL	170,776	28,605	16.8%	2	0.06%	736

** Structures classified as inaccessible/Not in Field are defined on page 4 of this Report. Facilities that are inaccessible are not considered in determining whether the target has been achieved.*

*** Substation fences and transmission structures were stray voltage tested in 2021. Stray voltage testing is required to be performed again in 2026.*

****5,526 Fiberglass and pre-wired wood facilities are deducted because the Company is not required to test them.*

Appendix 2

Summary of Energized Objects

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

Appendix 3

Summary of Shock Reports from the Public

	Quarterly Update	Yearly Total
I. Total Shock Calls Received:	**0**	**12**
Unsubstantiated	0	11
Normally Energized Equipment	0	1
Stray Voltage:		
Person	0	1
Animal	0	0
II. Injuries Sustained/Medical Attention Received:	**0**	**0**
Person	0	0
Animal	0	0
III. Stray Voltage Source:	**0**	**1**
Utility Responsibility (Total)	**0**	**1**
Overhead Distribution System	0	0
Underground Distribution System	0	1
Transmission System	0	0
Other Utility/Gov't Agency (Total)	**0**	**0**
Streetlight	0	0
Other (Total)	0	0
Customer Responsibility (Total)	**0**	**0**
IV. Stray Voltage Range:	**0**	**1**
1.0V to 4.4V	0	0
4.5V to 24.9V	0	1
25V and above	0	0
Unknown	0	0

Appendix 4

Distribution

Orange & Rockland Utilities Inc.

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

Overhead Facilities

	2018			2019			2020			2021			2022		
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	0	9	0	0	197	0	0	113	0	0	120	0	0	532	0
Repaired in Time Frame	0	9	0	0	197	0	0	113	0	0	120	0	0	117	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	415	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grounding System															
Number of Deficiencies	0	0	172	0	0	189	0	0	293	0	0	404	0	0	179
Repaired in Time Frame	0	0	172	0	0	189	0	0	27	0	0	2	0	0	1
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	266	0	0	402	0	0	178
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anchors/Guy Wire															
Number of Deficiencies	0	0	41	1	0	103	0	0	184	2	1	156	0	4	169
Repaired in Time Frame	0	0	41	1	0	103	0	0	7	2	1	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	177	0	0	156	0	4	169
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cross Arm/Bracing															
Number of Deficiencies	0	28	0	1	70	1	1	237	8	1	228	18	0	519	0
Repaired in Time Frame	0	28	0	1	70	1	1	237	1	1	228	0	0	15	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	7	0	0	18	0	504	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Riser															
Number of Deficiencies	0	0	1	0	0	3	0	0	115	0	0	74	0	0	53
Repaired in Time Frame	0	0	1	0	0	3	0	0	1	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	114	0	0	74	0	0	53
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Orange & Rockland Utilities Inc.

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

Overhead Facilities

	2018			2019			2020			2021			2022		
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	3	0	69	19	0	334	10	0	239	8	0	195	1	0	78
Repaired in Time Frame	3	0	69	19	0	334	10	0	15	8	0	6	1	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	224	0	0	189	0	0	78
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Secondary Wire															
Number of Deficiencies	0	0	3	0	10	1	0	12	384	0	22	204	0	9	45
Repaired in Time Frame	0	0	3	0	10	1	0	12	3	0	22	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	381	0	0	204	0	9	45
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neutral															
Number of Deficiencies	0	11	0	0	21	0	0	17	0	0	17	0	0	3	0
Repaired in Time Frame	0	11	0	0	21	0	0	17	0	0	17	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insulators															
Number of Deficiencies	2	0	0	3	15	1	8	0	0	3	0	0	0	1	0
Repaired in Time Frame	2	0	0	3	15	1	8	0	0	3	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Orange & Rockland Utilities Inc.

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

Overhead Facilities

	2018			2019			2020			2021			2022		
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															
Transformers															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cutouts															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lightning Arrestors															
Number of Deficiencies	8	0	0	18	0	0	15	0	0	34	0	0	0	0	0
Repaired in Time Frame	8	0	0	18	0	0	15	0	0	34	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Equipment															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous															
Trimming Related															
Number of Deficiencies	2	9	151	3	71	693	6	120	783	3	69	464	3	78	254
Repaired in Time Frame	2	9	151	3	71	693	6	120	12	3	69	2	3	5	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	771	0	0	462	0	73	254
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** Other**															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Overhead Facilities Total															
Total															
Number of Deficiencies	15	57	437	43	384	1325	40	499	2006	52	457	1515	8	1146	778
Repaired in Time Frame	15	57	437	43	384	1325	40	499	62	52	457	10	8	137	1
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	1944	0	0	1505	0	1009	777
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Transmission

Orange & Rockland Utilities Inc.

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

Transmission Facilities

	2018			2019			2020			2021			2022		
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	0	0	2	0	0	3	0	0	0	0	0	2	0	0	2
Repaired in Time Frame	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Not Repaired - Overdue	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0
Poles															
Number of Deficiencies	0	0	38	0	0	37	0	3	18	0	0	24	0	0	8
Repaired in Time Frame	0	0	21	0	0	13	0	0	4	0	0	1	0	0	1
Repaired - Overdue	0	0	3	0	0	2	0	2	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	14	0	0	23	0	0	7
Not Repaired - Overdue	0	0	14	0	0	22	0	1	0	0	0	0	0	0	0
Anchors/Guy Wire															
Number of Deficiencies	0	0	3	0	0	3	0	0	2	0	0	2	0	0	2
Repaired in Time Frame	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2
Not Repaired - Overdue	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Crossarm/Brace															
Number of Deficiencies	0	0	23	0	0	23	0	0	7	0	0	4	0	0	9
Repaired in Time Frame	0	0	8	0	0	13	0	0	2	0	0	0	0	0	1
Repaired - Overdue	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	5	0	0	4	0	0	8
Not Repaired - Overdue	0	0	13	0	0	10	0	0	0	0	0	0	0	0	0
Grounding System															
Number of Deficiencies	0	0	23	0	0	4	0	0	7	0	1	3	0	0	6
Repaired in Time Frame	0	0	21	0	0	2	0	0	7	0	1	0	0	0	0
Repaired - Overdue	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	3	0	0	6
Not Repaired - Overdue	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Conductors															
Cable															
Number of Deficiencies	0	0	2	0	0	0	0	0	1	0	1	0	0	0	1
Repaired in Time Frame	0	0	2	0	0	0	0	0	1	0	1	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Static/Neutral															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insulators															
Number of Deficiencies	0	0	6	0	0	4	0	0	2	0	0	0	0	0	0
Repaired in Time Frame	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Not Repaired - Overdue	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0

Orange & Rockland Utilities Inc.

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

Transmission Facilities

	2018			2019			2020			2021			2022		
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															
Right of Way Condition															
Number of Deficiencies	0	0	9	0	0	16	0	0	11	0	0	10	0	0	8
Repaired in Time Frame	0	0	8	0	0	10	0	0	2	0	0	3	0	0	0
Repaired - Overdue	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	9	0	0	7	0	0	8
Not Repaired - Overdue	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
*** Other**															
Number of Deficiencies	0	0	3	0	0	4	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Facilities Total															
Total															
Number of Deficiencies	0	0	109	0	0	94	0	3	48	0	2	45	0	0	36
Repaired in Time Frame	0	0	69	0	0	46	0	0	16	0	2	4	0	0	2
Repaired - Overdue	0	0	7	0	0	3	0	2	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	32	0	0	41	0	0	34
Not Repaired - Overdue	0	0	33	0	0	45	0	1	0	0	0	0	0	0	0

*** Other deficiencies include: 2018 - 2 items catagorized as danger tree,1 as structure repl**

*** Other deficiencies include: 2019 - 1 items catagorized as danger tree,3 as vines present**

Underground Facilities

Orange & Rockland Utilities Inc.

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

Underground Facilities

	2018			2019			2020			2021			2022		
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	1	2	40	16	0	27	11	90	5	0	37	3	24	50
Repaired in Time Frame	5	1	2	40	16	0	27	11	0	5	0	0	3	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	90	0	0	37	0	24	50
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged Structure															
Number of Deficiencies	1	0	0	4	0	0	0	0	0	0	0	0	4	1	0
Repaired in Time Frame	1	0	0	4	0	0	0	0	0	0	0	0	4	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Congested Structure															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged Equipment															
Number of Deficiencies	1	0	0	2	0	0	6	0	0	1	0	0	1	0	0
Repaired in Time Frame	1	0	0	2	0	0	6	0	0	1	0	0	1	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conductors															
Primary Cable															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Secondary Cable															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neutral Cable															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Racking Needed															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Orange & Rockland Utilities Inc.

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

Underground Facilities

	2018			2019			2020			2021			2022		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Underground Facilities Total															
Underground Facilities Total															
Number of Deficiencies	7	1	2	46	16	0	33	11	90	6	0	37	8	25	50
Repaired in Time Frame	7	1	2	46	16	0	33	11	0	6	0	0	8	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	90	0	0	37	0	25	50
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Pad Mount Transformers

Orange & Rockland Utilities Inc.

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

Pad Mount Transformers

	2018			2019			2020			2021			2022		
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	0	0	0	0	0	2	4	0	1	0	0	0	0	7	1
Repaired in Time Frame	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	1	0	0	0	0	7	1
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged Equipment															
Number of Deficiencies	2	0	0	32	0	0	45	0	0	11	0	0	21	0	0
Repaired in Time Frame	2	0	0	32	0	0	45	0	0	11	0	0	21	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cable Condition															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil Leak															
Number of Deficiencies	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Pad															
Number of Deficiencies	6	0	0	64	0	0	23	0	0	8	0	0	5	0	0
Repaired in Time Frame	6	0	0	64	0	0	23	0	0	8	0	0	5	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lock/Latch/Penta															
Number of Deficiencies	0	0	0	2	0	1	0	0	1	0	0	1	0	1	2
Repaired in Time Frame	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous															
*** Other**															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pad Mount Total															
Total															
Number of Deficiencies	8	0	0	98	0	3	73	0	2	19	0	1	26	8	3
Repaired in Time Frame	8	0	0	98	0	3	73	0	1	19	0	0	26	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	1	0	0	1	0	8	3
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Streetlights

Orange & Rockland Utilities Inc.

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

Streetlight Facilities

	2018			2019			2020			2021			2022		
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
Streetlight															
Base/Standard/Light															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Handhole/Service Box															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Service/Internal Wiring															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Access Cover															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous															
*** Other**															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streetlight Total															
Total															
Number of Deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Not Due	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Repaired - Overdue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Level IV

Orange & Rockland Utilities Inc.

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

Level IV Facilities

	2018		2019		2020		2021		2022	
	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										
Poles										
Pole Condition	1775	50	17893	96	19821	96	11280	11	2529	0
Grounding System	3793	152	9723	126	9255	109	9412	71	5133	50
Anchors/Guy Wire	3107	108	2897	11	5180	22	6272	4	4261	0
Cross Arm/Bracing	0	0	0	0	0	0	0	0	0	0
Riser	0	0	0	0	0	0	0	0	0	0
Conductors										
Primary Wire/Broken Ties	0	0	0	0	0	0	0	0	0	0
Secondary Wire	0	0	0	0	0	0	0	0	0	0
Neutral	0	0	0	0	0	0	0	0	0	0
Insulators	0	0	0	0	0	0	0	0	0	0
Conductors										
Transformers	0	0	0	0	0	0	0	0	0	0
Cutouts	0	0	0	0	0	0	0	0	0	0
Lightning Arrestors	0	0	0	0	0	0	0	0	0	0
Other Equipment	0	0	0	0	0	0	0	0	0	0
Miscellaneous										
Trimming Related	0	0	0	0	0	0	0	0	0	0
* Other	0	0	0	0	0	0	0	0	0	0
Overhead Facilities Total	8675	310	30513	233	34256	227	26964	86	11923	50

Transmission Facilities										
Towers/Poles										
Grounding System	5	0	6	1	0	0	6	0	8	1
Steel Towers	504	1	229	0	65	0	11	0	15	0
Poles	673	23	447	10	255	4	311	0	178	0
Anchors/Guy Wire	52	1	26	2	28	0	23	0	13	0
Crossarm/Brace	305	11	155	7	43	3	60	0	55	0
Conductors										
Cable	2	0	2	0	2	0	0	0	0	0
Static/Neutral	0	0	0	0	0	0	0	0	0	0
Insulators	2	0	4	2	0	0	1	0	2	0
Miscellaneous										
Right of Way Condition	51	8	31	2	29	5	37	0	116	0
* Other	0	0	66	5	0	0	0	0	1	0
Transmission Facilities Total	1594	44	966	29	422	12	449	0	388	1

Orange & Rockland Utilities Inc.

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

Level IV Facilities

	2018		2019		2020		2021		2022	
	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 Facilities										
Underground Structures										
Damaged Cover	0	0	0	0	0	0	0	0	0	0
Damaged Structure	0	0	24	0	11	0	5	0	6	0
Congested Structure	0	0	0	0	0	0	0	0	0	0
Damaged Equipment	0	0	0	0	0	0	0	0	0	0
Conductors										
Primary Cable	0	0	0	0	0	0	0	0	0	0
Racking Needed	0	0	0	0	0	0	0	0	0	0
Secondary Cable	0	0	0	0	0	0	0	0	0	0
Neutral Cable	0	0	0	0	0	0	0	0	0	0
Miscellaneous										
* Other	0	0	0	0	0	0	0	0	0	0
Underground Facilities Total	0	0	24	0	11	0	5	0	6	0
Pad Mount Transformers										
Pad Mount Transformers										
Damaged Structure	6	1	309	0	284	0	131	0	102	0
Damaged Equipment	0	0	0	0	0	0	0	0	0	0
Cable Condition	0	0	0	0	0	0	0	0	0	0
Oil Leak	0	0	0	0	0	0	0	0	0	0
Off Pad	0	0	0	0	0	0	0	0	0	0
Lock/Latch/Penta	0	0	0	0	0	0	1	0	0	0
Miscellaneous										
* Other	0	0	0	0	0	0	0	0	0	0
Pad Mount Transformer Total	6	1	309	0	284	0	132	0	102	0
Streetlights										
Streetlight										
Base/Standard/Light	0	0	0	0	0	0	0	0	0	0
Handhole/Service Box	0	0	0	0	0	0	0	0	0	0
Service/Internal Wiring	0	0	0	0	0	0	0	0	0	0
Access Cover	0	0	0	0	0	0	0	0	0	0
Miscellaneous										
* Other	0	0	0	0	0	0	0	0	0	0
Streetlight Total	0	0	0	0	0	0	0	0	0	0
Total Level IV Conditions										
Total Overall Total	8681	310	30846	229	34551	210	27101	86	12031	50

Summary

Orange & Rockland Utilities Inc.

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process

Year	Priority Level / Repair Expected		Deficiencies Found (Total)	Repaired- in Time Frame	Repaired - Overdue	Not Repaired - Not Due	Not Repaired - Overdue
2018	I	Within 1 week	30	30	0	0	0
	I I	Within 1 year	58	58	0	0	0
	I I I	Within 3 years	548	508	7	0	33
	I V	N/A	10275	0	0	0	0
2019	I	Within 1 week	187	187	0	0	0
	I I	Within 1 year	401	401	0	0	0
	I I I	Within 3 years	1445	1397	3	0	45
	I V	N/A	31812	0	0	0	0
2020	I	Within 1 week	146	146	0	0	0
	I I	Within 1 year	513	510	2	0	1
	I I I	Within 3 years	2147	79	0	2068	0
	I V	N/A	34973	0	0	0	0
2021	I	Within 1 week	77	77	0	0	0
	I I	Within 1 year	459	459	0	0	0
	I I I	Within 3 years	1598	14	0	1584	0
	I V	N/A	27550	0	0	0	0
2022	I	Within 1 week	42	42	0	0	0
	I I	Within 1 year	1179	137	0	1042	0
	I I I	Within 3 years	867	3	0	864	0
	I V	N/A	12419	0	0	0	0

CERTIFICATION
FACILITY INSPECTIONS

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

Orville Cocking, on this 14th day of February 2023, 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 ended December 31, 2022 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, March 22, 2013 and January 13, 2015 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 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 for the annual period. 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 annual period.

Orville O. Cocking, P.E.

Sworn to before me this 14th day of February, 2023

Notary Public: Audrey J. Horgan-Bottari

AUDREY J. HORGAN-BOTTARI
NOTARY PUBLIC-STATE OF NEW YORK
No. 01HO6085504
Qualified in Rockland County
My Commission Expires 03-18-2023

Exhibit 1

CERTIFICATION
STRAY VOLTAGE TESTING

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

Orville Cocking, on this 14th day of February 2023, 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 ended December 31, 2022 ("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, March 22, 2013 and January 8, 2015 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.

Orville O. Cocking, P.E.

Sworn to before me this 14th day of February, 2023

Notary Public: Audrey J. Horgan-Bottari

AUDREY J. HORGAN-BOTTARI
NOTARY PUBLIC-STATE OF NEW YORK
No. 01HO6085504
Qualified in Rockland County
My Commission Expires 03-18-2023