

FAIRPORT MUNICIPAL COMMISSION



OPERATING THE
CONSUMER OWNED
MUNICIPAL LIGHT AND POWER SYSTEM
31 SOUTH MAIN STREET
FAIRPORT, NEW YORK 14450
585-223-9500

February 12, 2017

Hon, Jaclyn Brillling
Secretary
New York State Public Service Commission Three Empire State plaza
Albany, NY 12223-1350

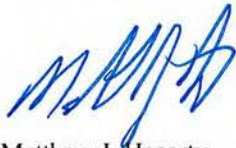
Re: Case 04-M 0159 Proceeding on the motion of the commission to examine the safety of electric transmission and distribution systems.

Dear Secretary Brillling,

Pursuant to the Public Service Commission's order directing utility filings issued January 5, 2005, in the above referenced proceedings, the Village of Fairport submits this comprehensive compliance report. The report describes the Village of Fairport's stray voltage detection and equipment inspection program conducted from January 1, 2016 to December 31, 2016.

If you have any questions concerning this report, please contact the undersigned.

Respectfully submitted,



Matthew J. Hegarty
Distribution Engineer

Cc: NYMPA
MCW

On January 5, 2005 the Public Service Commission (“PSC”) issued an order instituting Electric Safety Standards. The standards require utilities to conduct an annual system wide stray voltage detection program and an equipment inspection program to mitigate stray voltage risks to the public.

This report describes the Village of Fairport’s stray voltage program and equipment inspection program conducted in 2014 and addresses the following.

1. Certification of the Stray Voltage and Equipment Inspection program
2. Results of the Stray voltage testing program
3. Additional stray voltage detection
4. Summary of the Equipment Inspection Program
5. Results of the Equipment Inspection Program
6. Adherence to PSC performance mechanism
7. Analysis of the results
8. Additional stray voltage related initiatives
9. Future improvements

Overview of the Village of Fairport’s Electric System

The Village of Fairport Electric Distribution System consists of no transmission facilities, five substations, and thirty three circuits of combined overhead and underground distribution lines. The electric franchise is approximately twenty six miles with approximately 16,860 customers utilizing 4,641 wooden distribution poles, 2273 UG pad mount transformers, 4,588 UG underground enclosures, 146 metal street light poles, and 5 substations.

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Certification

State of New York

County of Monroe

Matthew J. Hegarty makes oath and says: I am the Distribution Engineer of the Village of Fairport and am familiar with the Testing Program performed annually and the various program procedures and forms assembled to complete this confirmation. I certify the program records are true and correct to the best of my knowledge and belief. As to elements not directly stated upon my knowledge, the source of my information and the grounds for my belief are as follows: the departments various operational reports, repair orders, and work schedule.

Matthew J. Hegarty
Matthew J. Hegarty

Subscribed and sworn to before me on

This 13th day of February, 2017

Susan A Dolan
Signature of Notary

SUSAN A DOLAN
NOTARY PUBLIC STATE OF NEW YORK
QUALIFIED IN MONROE COUNTY
REG #01 DO6232061
MY COMMISSION EXPIRES DEC 6, 2018

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Matthew J. Hegarty makes oath and says: I am the Distribution Engineer of the Village of Fairport and am familiar with the stray voltage testing program performed annually and the various program procedures and forms assembled to complete this confirmation. I certify the program records are true and correct to the best of my knowledge and belief. As to elements not directly stated upon my knowledge, the source of my information and the grounds for my belief are as follows: the departments various operational reports, repair orders, and work schedule.

Matthew J. Hegarty

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SUSAN A DOLAN
NOTARY PUBLIC STATE OF NEW YORK
QUALIFIED IN MONROE COUNTY
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MY COMMISSION EXPIRES DEC 6, 2018

Introduction: The Village of Fairport conducted a separate test program for structures in each of four systems (Overhead, Underground, Street Lighting, and Substation) as required.

1. Testing Program was started April 1, 2016 and completed November 30, 2016
2. Testing was performed by Village of Fairport Electrical Department Employees

Overhead Scope

1. In the Village of Fairport's electric distribution system there are 4,641 wooden distribution poles.
2. All OH structures are publically accessible
3. An electronic list of structures was created from gps coordinates in the GIS mapping system and downloaded to a handheld electronic device. The device logged the date and time of the test and if any stray voltage or other hazard was found in was keyed into the device. The data collected via the electronic handheld device was then transferred to an access data base, backed up daily, and auto created a work order to be used by staff to correct any problems located.

Test Procedure

1. The HD electric LV-S-5 Direct contact Low Voltage Detector (LV-S-5) was used to test publicly accessible structures.
2. Village of Fairport electrical department employees performed the testing.
3. Once a structure was located via the gps device, the facility was tested by touching it with the LV-S-5
4. Prior to testing a structure, the LV-S-5 was proof tested with a companion HD electric PT-LV-5 proof tester. This process ensured that the tester was in good working order.

Results:

1. Due to the change by PSC order and poles now match the schedule of system inspection poles are to be tested within a five year cycle. All existing poles have been tested for stray voltage within a five year cycle and will continue on this schedule. 100% of overhead poles have been tested and on zero occasions' stray voltage was detected and no repairs were needed.

Underground

Scope

1. In the Village of Fairport's electric distribution system there are 2,134 UG transformers, 3,615 UG enclosures.
2. All UG structures are publically accessible
3. An electronic list of structures was created from gps coordinates in the GIS mapping system and downloaded to a handheld electronic device. The device logged the date and time of the test and if any stray voltage or other hazard was found in was keyed into the device, data collected via the electronic handheld device was then transferred to an access data base, backed up daily, and auto created a work order to be used by staff to correct any problems located.

Test Procedure

1. The HD electric LV-S-5 Direct contact Low Voltage Detector (LV-S-5) was used to test publicly accessible structures.
2. Village of Fairport electrical department employees performed the testing.
3. Once a structure was located via the gps device, the facility was tested by touching it with the LV-S-5
4. Prior to testing a structure, the LV-S-5 was proof tested with a companion HD electric PT-LV-5 proof tester. This process ensured that the tester was in good working order.

Results:

2. Due to the change by PSC order and poles now match the schedule of system inspection UG transformers and enclosures are to be tested within a five year cycle. All existing transformers have been tested for stray voltage within a five year cycle and will continue on this schedule. 100% of underground transformers have been tested and on zero occasions' stray voltage was detected and no repairs were needed. All underground enclosures are on schedule to be tested for stray voltage within a five year cycle and will be completed within this schedule. Of the underground enclosures that have been tested on zero occasions' stray voltage were detected and no repairs were needed.

Street Lighting

Scope

1. In the Village of Fairport's electric distribution system there are 158 metal street lights utilizing a metal pole.
2. All street light structures are publically accessible
3. An electronic list of structures was created from gps coordinates in the GIS mapping system and downloaded to a handheld electronic device. The device logged the date and time of the test and if any stray voltage or other hazard was found in was keyed into the device, data collected via the electronic handheld device was then transferred to an access data base, backed up daily, and auto created a work order to be used by staff to correct any problems located.

Test Procedure

1. The HD electric LV-S-5 Direct contact Low Voltage Detector (LV-S-5) was used to test publicly accessible structures.
2. Village of Fairport electrical department employees performed the testing.
3. Street Lights were tested after dark while the street lights were on.
4. Once a structure was located via the gps device, the facility was tested by touching it with the LV-S-5
5. Prior to testing a structure, the LV-S-5 was proof tested with a companion HD electric PT-LV-5 proof tester. This process ensured that the tester was in good working order.

Results:

1. 100% of the street light poles were tested and on zero occasions' stray voltage was detected and no repairs were needed.

Substations

Scope

1. In the Village of Fairport's electric distribution system there are five substations.
2. The only publically accessible structure at the five substations is the chain link fence surrounding these substations.
3. An electronic list of structures was created from gps coordinates in the GIS mapping system and downloaded to a handheld electronic device. The device logged the date and time of the test and if any stray voltage or other hazard was found in was keyed into the device, data collected via the electronic handheld device was then transferred to an access data base, backed up daily, and auto created a work order to be used by staff to correct any problems located.

Test Procedure

1. The HD electric LV-S-5 Direct contact Low Voltage Detector (LV-S-5) was used to test publicly accessible structures.
2. Village of Fairport electrical department employees performed the testing.
3. Only the publically accessible fence structure was tested.
4. Once a structure was located via the gps device, the facility was tested by touching it with the LV-S-5
5. Prior to testing a structure, the LV-S-5 was proof tested with a companion HD electric PT-LV-5 proof tester. This process ensured that the tester was in good working order.

Results:

1. 100% of the substation fence structures were tested and on zero occasions' stray voltage was detected and no repairs were needed.

Section 3: Additional Stray Voltage Detection:

At this time the Village of Fairport does not test for stray voltage as part of routine work. This is based on lack of occurrence of problems involving stray voltage in the past which is validated via our annual testing along with the expense of the equipment and the time constraints associated

Reports from the public:

1. Total number of calls received from customers: Zero for 2016
2. Responsibility of substantiated claims: No substantiated claims
Zero substantiated claims, zero unsubstantiated claims.

Section 4: Summary of the Equipment Inspection Program:

The Village of Fairport has continued the inspection of overhead and underground distribution equipment which started in 2005. Electric line department personnel conduct inspections as part of routine work along with occasions specifically just the task of inspections as schedules dictate. The Village of Fairport completed 100% of the inspections in 2009 and continues to inspect over 20% annually of its distribution system encompassing the overhead and underground portion along with 100% annually of its substations as part of routine work. This allows facilities to be inspected within a 4-5 year inspection cycle typically. Facilities are verified via electronic database that they are inspected at least once within a five year cycle.

Village of Fairport		2015	2016	2017	2018	2019	2015 - 2019	2015 - 2019
2015- 2019 Inspection Summary	Total System Units	Units Completed	Units Completed	Units Completed	Units Completed	Units Completed	Units Completed	Percent Completed
	Distribution Poles	4641	2,196	1,462	0	0	0	3658
Underground Facilities	6861	197	844	0	0	0	1041	15%
Street Light / Traffic Signals	146	0	57	0	0	0	57	39%
Substation Fences	5	5	5	0	0	5	5	100%
Transmission	0	0	0	0	0	0	0	0%
Total	11653	2,398	2,368	0	0	5	4771	41%

Section 5: Results of the Equipment Inspection Program:

Please see attached.

Section 6: Adherence to PSC performance mechanism:

All publicly accessible electric facilities in the Village of Fairport's electric service territory have been inspected for stray voltage. Inspection was conducted typically during summer months during both wet and dry weather. Of the 10,542 facilities there were no occurrences of stray voltage detected using the contact type tester.

All publicly accessible electric facilities in the Village of Fairport's electric service territory will be inspected within the given five year period starting in 2015. Inspections are performed by trained and experienced Village of Fairport Electric Department personal and they and their work were supervised by me and other engineering staff.

Section 7: Analysis of the results:

During the 2016 testing program the Village of Fairport tested for stray voltage on all of their structures that were required and inspected at least 20% of the publicly accessible structures. These include poles, guy wires, ground wires, risers, transformers, metal enclosures, hand holes, metal street light poles, and substation fences. As no occurrences were found on items, electric distribution system trends or common causes cannot be found.

Section 8: Additional stray voltage related initiatives:

The Village of Fairport has followed the Public Service requirements and is satisfied with the results and we will continue to look for efficiencies in performing the testing and inspections as we continue to implement the program.

Section 9: Future improvements:

The Village of Fairport is satisfied with the way the program was carried out this year and will continue to use the same procedures to complete the program in future years.

ATTACHMENT 1

Summary of Voltage Findings

	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	0				0		
Ground	0						
Guy	0						
Riser	0				0		
Other	0						
Underground Facilities							
Service Box	0						
Manhole	0						
Padmount Switchgear	0						
Padmount Transformer	0						
Vault — Cover/Door	0						
Pedestal	0						
Other	0						
Street Lights / Traffic Signals							
Metal Street Light Pole	0						
Traffic Signal Pole	0						
Control Box	0						
Pedestrian Crossing Pole	0						
Other	0						
Substation Fences							
Fence	0						
Other	0						
Transmission (Total)							
Lattice Tower	0						
Pole	0						
Ground	0						
Guy	0						
Other	0						
Miscellaneous Facilities							
Sidewalk	0						
Gate/Fence/Awning	0						
Traffic Sign	0						
Scaffolding	0						
Bus Shelter	0						
Fire Hydrant	0						
Phone Booth	0						
Traffic Control Box	0						
Water Pipe	0						
Riser	0						
Other	0						

Village Of Fairport		2005	2006	2007	2008	2009		
2005- 2009 Inspection Summary	Total	Units	Units	Units	Units	Units	2005-2009	2005-2009
	System Units	Completed	Completed	Completed	Completed	Completed	Units Completed	Percent Completed
Distribution Poles	4789	837	924	1,331	2,335	3441	8,868	100%
Underground Facilities	6853	453	1,237	1,737	1,513	4929	9,869	100%
Street Light / Traffic Signals	864	234	274	197	215	265	1,185	100%
Substation Fences	5	5	5	5	5	5	25	100%
Transmission	0	0	0	0	0	0	0	0%
Total	12511	1,529	2,440	3,270	4,068	8640	19,947	100%

Village of Fairport			2010	2011	2012	2013	2014			
2010- 2014 Summary	Inspection	Total System Units	Units	Units	Units	Units	Units		2010 - 2014	2010 - 2014
			Completed	Completed	Completed	Completed	Completed		Units Completed	Percent Completed
	Distribution Poles	4637	1,035	3,520	98	17	45	4,715	4637	100%
	Underground Facilities	5807	1,203	254	2,102	2,150	398	6,107	5807	100%
	Street Light / Traffic Signals	162	34	28	1	162	56	281	162	100%
	Substation Fences	5	5	5	5	5	5	25	5	100%
	Transmission	0	0	0	0	0	0	0	0	0%
	Total	10611	2,277	3,807	2,206	2,334	504	11,128	10611	100%

Village of Fairport			2015	2016	2017	2018	2019		
2015- 2019 Inspection Summary		Total System Units	Units Completed	Units Completed	Units Completed	Units Completed	Units Completed	2015 - 2019 Units Completed	2015 - 2019 Percent Completed
Distribution Poles	4641	2,196	1,462	0	0	0		3658	79%
Underground Facilities	6861	197	844	0	0	0		1041	15%
Street Light / Traffic Signals	146	0	57	0	0	0		57	39%
Substation Fences	5	5	5	0	0	5		5	100%
Transmission	0	0	0	0	0	0		0	0%
Total	11653	2,398	2,368	0	0	5		4771	41%

Visual Inspection Program

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

Overhead Facilities	2015			2016			2017			2018			2019		
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	13	26		2	13									
Repaired in Time Frame		13	26		2	13									
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Grounding System															
Number of Deficiencies	0	0	0	0	0	0									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Anchors/Guy Wire															
Number of Deficiencies	0	3	0	1											
Repaired in Time Frame		3		1											
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Cross Arm/Bracing															
Number of Deficiencies	0	5	0		6										
Repaired in Time Frame		5			6										
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Riser															
Number of Deficiencies	0	0		0	0	0									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

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

Overhead Facilities	2015			2016			2017			2018			2019		
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	0	12	0	2	0	0									
Repaired in Time Frame	12			2											
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Secondary Wire															
Number of Deficiencies	0	0	0	0	0	0									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Neutral															
Number of Deficiencies	0	0	0	0	0	0									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Insulators															
Number of Deficiencies	0	0	0	0	0	0									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

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

Overhead Facilities	2015			2016			2017			2018			2019		
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									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Cutouts															
Number of Deficiencies	0	0	0	4	0										
Repaired in Time Frame				4	0										
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Lightning Arrestors															
Number of Deficiencies	0	0	5	6											
Repaired in Time Frame			5	6											
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Other Equipment															
Number of Deficiencies	0	0	0		6										
Repaired in Time Frame					6										
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

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

Overhead Facilities	2015			2016			2017			2018			2019		
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	1	5	12	2											
Repaired in Time Frame	1	5	12	2											
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Other															
Number of Deficiencies	0	0	0												
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Overhead Facilities Total															
Total															
Number of Deficiencies	1	38	43	15	14	13	0	0	0	0	0	0	0	0	0
Repaired in Time Frame	1	38	43	15	14	13	0	0	0	0	0	0	0	0	0
Repaired - Overdue													0		0
Not Repaired - Not Due													0		0
Not Repaired - Overdue															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Transmission															
Transmission Facilities	2015			2016			2017			2018			2019		
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															
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Poles															
Number of Deficiencies				-	-	-									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Anchors/Guy Wire															
Number of Deficiencies															
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Crossarm/Brace															
Number of Deficiencies															
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Grounding System															
Number of Deficiencies				-	-	-									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Transmission															
Transmission Facilities	2015			2016			2017			2018			2019		
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					-	-									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Static/Neutral															
Number of Deficiencies				-	-	-									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Insulators															
Number of Deficiencies				-	-	-									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

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

Underground Facilities	2015			2016			2017			2018			2019		
	I Within 1 week	II Within 1 year	III Within 3 years	I Within 1 week	II Within 1 year	III Within 3 years	I Within 1 week	II Within 1 year	III Within 3 years	I Within 1 week	II Within 1 year	III Within 3 years	I Within 1 week	II Within 1 year	III Within 3 years
Underground Structures															
Damaged Cover															
Number of Deficiencies	-	-	-	9	2	13									
Repaired in Time Frame				9	2	13									
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Damaged Structure															
Number of Deficiencies	-	-	-	1	-	-									
Repaired in Time Frame				1											
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Congested Structure															
Number of Deficiencies	-	-	-	1											
Repaired in Time Frame				1											
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Damaged Equipment															
Number of Deficiencies	-	-	-	2	6										
Repaired in Time Frame				2	6										
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Underground															
Underground Facilities	2015			2016			2017			2018			2019		
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	-	-	-	2	-	-									
Repaired in Time Frame				2											
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															
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	-	-	-	15	8	-	-	-	-	-	-	-	-	-	-
Repaired in Time Frame	-	-	-	15	8	-	-	-	-	-	-	-	-	-	-
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Streetlights															
Overhead Facilities	2015			2016			2017			2018			2019		
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	-	-	-		2	13									
Repaired in Time Frame					2	13									
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Handhole/Service Box															
Number of Deficiencies	-	-	-	-	-	-									
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Service/Internal Wiring															
Number of Deficiencies	-	-	-	1											
Repaired in Time Frame				1											
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Access Cover															
Number of Deficiencies	-	-	-		6										
Repaired in Time Frame					6										
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															
Streetlight Total															
Total															
Number of Deficiencies	-	-	-	1	8	-	-	-							
Repaired in Time Frame				1	8		-	-							
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

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

Overhead Facilities	2015		2016		2017		2018		2019	
	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										
Pole Condition	30	30	0	0						
Grounding System	0	0	0	0						
Anchors/Guy Wire	0	0	0	0						
Cross Arm/Bracing	0	0	0	0						
Riser	0	0	0	0						
Conductors										
Primary Wire/Broken Ties	0	0	0	0						
Secondary Wire	0	0	0	0						
Neutral	0	0	0	0						
Insulators	0	0	0	0						
Pole Equipment										
Transformers	0	0	0	0						
Cutouts	0	0	0	0						
Lightning Arrestors	0	0	0	0						
Other Equipment	0	0	0	0						
Miscellaneous										
Trimming Related	0	0	0	0						
Other	0	0	0	0						
Overhead Facilities Total										
Transmission Facilities										
Towers/Poles										
Steel Towers	0	0	0	0						
Poles	0	0	0	0						
Anchors/Guy Wire	0	0	0	0						
Crossarm/Brace	0	0	0	0						
Grounding System	0	0	0	0						
Conductors										
Cable	0	0	0	0						
Static/Neutral	0	0	0	0						
Insulators	0	0	0	0						
Miscellaneous										
Right of Way Condition	0	0	0	0						
Other	0	0	0	0						
Transmission Facilities Total				0						

Underground Facilities						
Underground Structures						
Damaged Cover	0	0	0	0		
Damaged Structure	0	0	0	0		
Congested Structure	0	0	0	0		
Damaged Equipment	0	0	0	0		
Conductors						
Primary Cable	0	0	0	0		
Secondary Cable	0	0	0	0		
Neutral Cable	0	0	0	0		
Racking Needed	0	0	0	0		
Miscellaneous						
Other	0	0	0	0		
Underground Facilities Total						
Pad Mount Transformers						
Underground Structures						
Damaged Structure	0	0	0	0		
Damaged Equipment	0	0	0	0		
Damaged Cable	0	0	0	0		
Oil Leak	0	0	0	0		
Off Pad	0	0	0	0		
Lock/Latch/Penta	0	0	0	0		
Miscellaneous						
Other	0	0	0	0		
Pad Mount Transformer Total						
Streetlights						
Streetlight						
Base/Standard/Light	0	0	0	0		
Handhole/Service Box	0	0	0	0		
Service/Internal Wiring	0	0	0	0		
Access Cover	0	0	0	0		
Miscellaneous						
Other	0	0	0	0		
Streetlight Total						
Total Level IV Conditions						
Overall Total	30	30	0	0		

Visual Inspection Program

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
2015	I	Within 1 week	1	1		
	II	Within 1 year	38	38		
	III	Within 3 years	43	43		
	IV	N/A				
2016		13				
	I	Within 1 week	42	42		
	II	Within 1 year	43	43		
	III	Within 3 years	13	13		
2017	IV	N/A				
				0		
	I	Within 1 week	0	0		
	II	Within 1 year	0	0		
2018	III	Within 3 years	0	0		
	IV	N/A				
	I	Within 1 week	0	0		
	II	Within 1 year	0	0		
2019	III	Within 3 years	0	0		
	IV	N/A				
	I	Within 1 week	0	0		
	II	Within 1 year	0	0		