

GREEN ISLAND POWER AUTHORITY

BILLING OFFICE

20 Clinton Street
Green Island, New York 12183
(518) 272-4790 (Office)
(518) 271-1924 (Fax)

EXECUTIVE OFFICES

69 Hudson Avenue
Green Island, New York 12183
(518) 271-9397 (Office)
(518) 689-9700 (Fax)

ELECTRICAL FACILITIES CENTER

50 Cohoes Avenue
Green Island, New York 12183
(518) 274-5125 (Office)
(518) 274-9040 (Fax)

January 14, 2014

Hon. Kathleen H. Burgess
Secretary to the Commission
New York State Public Service Commission
Empire State Plaza
Agency Building 3
Albany, New York 12223-1350


Re: Case 04-M-0159- Proceeding on Motion of the Commission to Examine the Safety of
Electric Transmission and Distribution Systems

Dear Secretary Burgess,

Pursuant to the Public Service Commission's Order Directing Utility Filings issued January 5, 2005, and the Order Adopting Changes to Electric Safety Standards issued and effective December 15, 2008 in the above-referenced proceedings, the Green Island Power Authority submits this comprehensive report. The report describes the Green Island Power Authority's stray voltage detection and equipment inspection program conducted in 2013.

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

Respectfully submitted,



Kristin M. Swinton
GIPA Chief Executive Officer

RECEIVED
PUBLIC SERVICE
COMMISSION
EXEC-FILES-ALBANY
2014 JAN 21 AM 10:25

STATE OF NEW YORK)

) SS;

COUNTY OF ALBANY)

Kristin M. Swinton makes oath and says: I am the Chief Executive Officer of the Green Island Power Authority. I 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 department's various operational reports, repair orders, and work schedules.

Kristin M. Swinton

Signature

Subscribe and sworn to before me on

This 14 day of January 2014

Lynn Mc

Signature of Notary

LYNN McGIVERN
Notary Public, State of New York
No. 01MC6006812
Qualified in Albany County
Commission Expires May 11, 2014

APPENDIX

Included in this Appendix are hardcopies of the following spreadsheets;

- Summary of Energized Objects
- Summary of Shock Reports from the Public
- Visual Inspection Program – Distribution
- Visual Inspection Program – Transmission
- Visual Inspection Program – Underground
- Visual Inspection Program – Padmount Transformers
- Visual Inspection Program – Streetlight
- Visual Inspection Program – Level IV Conditions
- Visual Inspection Program – Summary

Green Island Power Authority 2013

Summary of Shock Reports from the Public

I. Total shock calls received:	
Unsubstantiated	0
Normally Energized Equipment	0
Stray Voltage:	
Person	0
Animal	0
II. Injuries Sustained/ Medical Attention Received	
Person	0
Animal	0
III. Voltage Source:	
Utility Responsibility	
Issue with primary, joint, or transformer	0
Secondary Joint (Crab)	0
SL Service Line	0
Abandoned SL service line	0
Defective service line	0
Abandoned service line	0
OH Secondary	0
OH Service	0
OH Service neutral	0
Pole	0
Riser	0
Other	0
Customer Responsibility	
Contractor Damage	0
Customer Equipment/Wiring	0
Other Utility/Gov't Agency Responsibility	
SL Base Connection	0
SL Internal Wiring or Light Fixture	0
Overhead Equipment	0
Other	0
IV. Voltage Range:	
1.0V to 4.16 KV	0
4.16KV to 13.2KV	0
25V and above	0

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Distribution -- GREEN ISLAND POWER AUTH.

Overhead Facilities	2013			2014			2015			2016			2017		
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		10													
Repaired in Time Frame		10													
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Grounding System															
Number of Deficiencies	0														
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Anchors/Guy Wire															
Number of Deficiencies		0													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Cross Arm/Bracing															
Number of Deficiencies		2													
Repaired in Time Frame	2														
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Riser															
Number of Deficiencies		0													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Conductors															
Primary Wire/Broken Ties															
Number of Deficiencies	0														
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Secondary Wire															
Number of Deficiencies		0													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Distribution -- GREEN ISLAND POWER AUTH.

Overhead Facilities	2013			2014			2015			2016			2017		
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
Not Repaired - Overdue															
Neutral															
Number of Deficiencies		0													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Insulators															
Number of Deficiencies		0													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Pole Equipment															
Transformers															
Number of Deficiencies		1													
Repaired in Time Frame		1													
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Cutouts															
Number of Deficiencies		1													
Repaired in Time Frame		1													
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Lightning Arrestors															
Number of Deficiencies		0													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Other Equipment															
Number of Deficiencies															
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Miscellaneous															
Trimming Related															
Number of Deficiencies		29													
Repaired in Time Frame		29													
Repaired - Overdue															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Distribution -- GREEN ISLAND POWER AUTH.

Overhead Facilities	2013			2014			2015			2016			2017		
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
Not Repaired - Not Due															
Not Repaired - Overdue															
Other															
Number of Deficiencies Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Overhead Facilities Total															
Total															
Number of Deficiencies Repaired in Time Frame		43													
Repaired - Overdue		43													
Not Repaired - Not Due															
Not Repaired - Overdue															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Transmission - GREEN ISLAND POWER AUTH.															
Transmission Facilities	2013			2014			2015			2016			2017		
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															
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															

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Transmission - GREEN ISLAND POWER AUTH.															
Transmission Facilities	2013			2014			2015			2016			2017		
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
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 - Transmission - GREEN ISLAND POWER AUTH.															
Transmission Facilities	2013			2014			2015			2016			2017		
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 Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Other - TREE TRIMMING															
Number of Deficiencies Repaired in Time Frame			2												
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue			2												
Transmission Facilities Total															
Total															
Number of Deficiencies Repaired in Time Frame			2												
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue			2												

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Underground - GREEN ISLAND POWER AUTHORITY															
Underground Facilities	2013			2014			2015			2016			2017		
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		none													
Number of Deficiencies		none													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Damaged Structure		none													
Number of Deficiencies		none													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Congested Structure		none													
Number of Deficiencies		none													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Damaged Equipment		none													
Number of Deficiencies		none													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Conductors															
Primary Cable		none													
Number of Deficiencies		none													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Secondary Cable		1													
Number of Deficiencies		1													
Repaired in Time Frame		1													
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Neutral Cable		1													
Number of Deficiencies		1													

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Underground - GREEN ISLAND POWER AUTHORITY															
Underground Facilities	2013			2014			2015			2016			2017		
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
Repaired in Time Frame		1													
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Racking Needed															
Number of Deficiencies		none													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Miscellaneous															
Other															
Number of Deficiencies		none													
Repaired in Time Frame															
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															
Underground Facilities Total															
Total															
Number of Deficiencies		2													
Repaired in Time Frame		2													
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Repaired in Time Frame Repaired - Overdue Not Repaired - Not Due Not Repaired - Overdue					
Pad Mount Total					
Total Number of Deficiencies Repaired in Time Frame Repaired - Overdue Not Repaired - Not Due Not Repaired - Overdue	none				

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Streetlights - GREEN ISLAND POWER AUTH.															
Overhead Facilities	2013			2014			2015			2016			2017		
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	1														
Repaired in Time Frame	1														
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		5													
Repaired in Time Frame		5													
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	2	5													
Repaired in Time Frame	2	5													
Repaired - Overdue															
Not Repaired - Not Due															
Not Repaired - Overdue															

Damaged Equipment					
Conductors					
Primary Cable					
Secondary Cable					
Neutral Cable					
Racking Needed					
Miscellaneous					
Other					
Underground Facilities Total					
Pad Mount Transformers					
Underground Structures					
Damaged Structure					
Damaged Equipment					
Damaged Cable	2	2			
Oil Leak					
Off Pad					
Lock/Latch/Penta					
Miscellaneous					
Other					
Pad Mount Transformer Total	2	2			
Streetlights					
Streetlight					
Base/Standard/Light	1	1			
Handhole/Service Box					
Service/Internal Wiring	1	1			
Access Cover	5	5			
Miscellaneous					
Other					
Streetlight Total	7	7			
Total Level IV Conditions					
Overall Total	54	52			

Visual Inspection Program

Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - GREEN ISLAND						
Year	Priority Level / Repair Expected	Deficiencies Found (Total)	Repaired In Time Frame	Repaired - Overdue	Not Repaired - Not Due	Not Repaired - Overdue
2013	I	Within 1 week	2	2		
	II	Within 1 year	50	52		
	III	Within 3 years	2		2	
	IV	N/A				
2014	I	Within 1 week				
	II	Within 1 year				
	III	Within 3 years				
	IV	N/A				
2015	I	Within 1 week				
	II	Within 1 year				
	III	Within 3 years				
	IV	N/A				
2016	I	Within 1 week				
	II	Within 1 year				
	III	Within 3 years				
	IV	N/A				
2017	I	Within 1 week				
	II	Within 1 year				
	III	Within 3 years				
	IV	N/A				

GREEN ISLAND POWER AUTHORITY

Summary of Shock Reports from the Public

YEAR 2013

<p>I. Total shock calls received:</p> <p style="padding-left: 20px;">Unsubstantiated</p> <p style="padding-left: 20px;">Normally Energized Equipment</p> <p style="padding-left: 20px;">Stray Voltage:</p> <p style="padding-left: 40px;">Person</p> <p style="padding-left: 40px;">Animal</p>	<p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>
<p>II. Injuries Sustained/ Medical Attention Received</p> <p style="padding-left: 20px;">Person</p> <p style="padding-left: 20px;">Animal</p>	<p>0</p> <p>0</p>
<p>III. Voltage Source:</p> <p style="padding-left: 20px;">Utility Responsibility</p> <p style="padding-left: 40px;">Issue with primary, joint, or transformer</p> <p style="padding-left: 40px;">Secondary Joint (Crab)</p> <p style="padding-left: 40px;">SL Service Line</p> <p style="padding-left: 40px;">Abandoned SL service line</p> <p style="padding-left: 40px;">Defective service line</p> <p style="padding-left: 40px;">Abandoned service line</p> <p style="padding-left: 40px;">OH Secondary</p> <p style="padding-left: 40px;">OH Service</p> <p style="padding-left: 40px;">OH Service neutral</p> <p style="padding-left: 40px;">Pole</p> <p style="padding-left: 40px;">Riser</p> <p style="padding-left: 40px;">Other</p> <p style="padding-left: 20px;">Customer Responsibility</p> <p style="padding-left: 40px;">Contractor Damage</p> <p style="padding-left: 40px;">Customer Equipment/Wiring</p> <p style="padding-left: 20px;">Other Utility/Gov't Agency Responsibility</p> <p style="padding-left: 40px;">SL Base Connection</p> <p style="padding-left: 40px;">SL Internal Wiring or Light Fixture</p> <p style="padding-left: 40px;">Overhead Equipment</p>	
<p>IV. Voltage Range:</p> <p style="padding-left: 20px;">1.0V to 4.4V</p> <p style="padding-left: 20px;">4.5V to 24.9V</p> <p style="padding-left: 20px;">25V and above</p>	

GREEN ISLAND POWER AUTHORITY

Summary Of Voltage Findings 2013

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