GREEN ISLAND POWER AUTHORITY

BILLING OFFICE

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PUBLIC SERVICE
COMMISSION
EXEC-FILES-ALBANY
EXEC-FILES-ALBANY

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.

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Respectfully submitted,

Kristin M. Swinton

GIPA Chief Executive Officer

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.

Signature

Subscribe and sworn to before me on

This 14 day of January 2014

Kristin M. Swinton

Signature of Notary

LYNN McGIVERN
Notary Public, State of New York
No. 01MC6006812
Qualified in Albany County
Commission Expires May 11,001

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 Normally Energized Equipment Stray Voltage:	0
Person Animal	0
II. Injuries Sustained/ Medical Attention Received Person	0
Animal	0 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 OH Service	0
OH Service OH Service neutral	0
Pole	0
Riser	0
Other	0
Customer Responsibility	
Contractor Damage	o
Customer Equipment/Wiring	0
Other Utility/Gov't Agency Responsibility	_
SL Base Connection	o
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

Summary of De	ficienci	es and R	epair Ac	tivity Re		rom the li			ss - Distri	ibution -	- GREE	N ISLAND	POWER	AUTH.	
Overhead Facilities		2013		T	2014		<u> </u>	2015		T	2016		T	2017	
Priority Level	I	II		1	11	III	i i	II	111	1		111	1	II	
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Summary of De	ficiencie	es and R	epair Act	tivity Res	sulting fr	rom the li	nspectio	n Proces	s - Distri	bution -	- GREEN	ISLAND	POWER	AUTH.	
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Summary of Defic	iencies	and Repa	air Activ	ity Resul	ting fron	the Ins	ection P	rocess ·	- Underg	round - (GREEN I	SLAND F	OWER	AUTHOR	HTY
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Summary of Deficiencies and Repair Activity Resulting from the Inspection Process - Pad Mount Transformers - GREEN ISLAND POWER AUTH.

Pad Mount Transformers		2013			2014			2015			2016			2017	
Priority Level	1	II	111	1	il i	III		II	111	ı	li I	III	ı	11	III
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Damaged Structure										T					****
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Overhead Facilities		2013			2014			2015			2016			2017	
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Service/Internal Wiring			.,												,
Number of Deficiencies	1	•		1			İ	100	-						
Repaired in Time Frame	1	•	•	1			l	•			*	-	1	•	
Repaired - Overdue	· · · · · · · · · · · · · · · · · · ·			1			1	•					İ	•	
Not Repaired - Not Due				†	•	•	l	•			*	•	l	*	
Not Repaired - Overdue		•	•				†			1	•	•	l		
Access Cover		·		1			†								
Number of Deficiencies		. 5		1	•	4	l	x				•			
Repaired in Time Frame		<u> </u>	owner or a	1		*	1	*		t		•	İ	•	=
Repaired - Overdue			•	Ì	•		†			-	*	1	l		,
Not Repaired - Not Due		,					1			İ			-	*	•
Not Repaired - Overdue		· · · · · · · · · · · · · · · · · · ·		1				•				•	l		
, tot topalled Orollado					,	Miscel	llaneous						<u>. </u>		
ther				T	,	***************************************	I			T			T		;
Number of Deficiencies			*				+			1			-		
Repaired in Time Frame			•	1	,		l					-	1		
Repaired - Overdue		• -		ł			†				*	*****	+		1
Not Repaired - Not Due		-		·								-	l		7
Not Repaired - Not Due				1								***************************************			1
Not Repaired - Overdue				<u> </u>	1	Strootli	ight Total	··		1			L		<u> </u>
4-1				T		Sueeu	igiit i otai	,		T		1	T		1
Number of Definionnies	3	_			·		I								+
Number of Deficiencies	2	5	L	+	1	i.	1		4	-	,		 -		
Repaired in Time Frame	2	5		!	į		ļ	-4-	+					. 4	
Repaired - Overdue		ļ		1			ł			-		 			+
Not Repaired - Not Due				 	ļ		_		1		-		and the second second		
Not Repaired - Overdue				I			1	1		1			I		1

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

Overhead Facilities	201	3	20)14	20	15	20	16	20	17
	Number of	Number of	Number of	Number of	Number of	Number of	Number of	Number of	Number of	Number of
	Conditions	Conditions	Conditions	Conditions	Conditions	Conditions	Conditions	Conditions	Conditions	Conditions
	Found	Repaired	Found	Repaired	Found	Repaired	Found	Repaired	Found	Repaired
Overhead Facilities										
Pole Condition					1		1			
Pole Condition	10	10								
Grounding System										
Anchors/Guy Wire										
Cross Arm/Bracing	2	2								
Riser										
Conductors										
Primary Wire/Broken Ties								:		
Secondary Wire							l			
Neutral										
Insulators									1	
Pole Equipment										
Transformers	1	1							l	
Cutouts	1	1								
Lightning Arrestors										
Other Equipment										
Miscellaneous										
Trimming Related	29	29								
Other										
Overhead Facilities Total	43	43								
				Transmissio	n Facilities					
Towers/Poles										
Steel Towers									j	
Poles										
Anchors/Guy Wire										
Crossarm/Brace										
Grounding System										
Conductors										
Cable										
Static/Neutral										
Insulators										
Miscellaneous					1					
Right of Way Condition										
Trimming related	2	0								
Transmission Facilities Total	2	0								
				Undergroun	d Facilities					
Underground Structures										
Damaged Cover										
Damaged Structure					1					
Congested Structure					l		1			

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

Summar	y of D	eficiencies and		y Resulting from			
Year	Prority Level / Repair Expected		Deficiencies Found (Total)	Repaired In Time Frame	Repaired - Overdue	Not Repaired - Not Due	Not Repaired - Overdue
2013							
10 / AN VI	ı	Within 1 week	2	2	A WAY ON THE WAY.		
17	11	Within 1 year	50	52			
	ΪII	Within 3 years	2			2	
	IV	N/A	·		THE RESERVE OF THE PERSON OF THE PERSON OF		and the second s
2014							
	1 1	Within 1 week	y 264				
NT 100 7 1	اا	Within 1 year					
enter parameter trans.	101	Within 3 years	AND AND A 1881	-		· · · · · · · · · · · · · · · · · · ·	
	IV	N/A	<u></u>		AND A COUNTY OF STREET STREET AND ASSOCIATION OF STREET		
2015							
** *** **** ** *	1	Within 1 week					
	l II	Within 1 year		/ PM-1	7	- E S 1	* ************************************
**** *** ***	III	Within 3 years			After their sub-female con-		•
	IV	N/A	Auditor and the second				
2016							
WAR A VAR VOOD A	1	Within 1 week					
to the total manufacture of the party of the	II	Within 1 year	18 108				
THE PARTY OF THE P	111	Within 3 years	P WE ARE MINIS CHIMANA I MINIS VIII			*	the state of the same of the s
	IV	N/A		Andreadon Natividades de la c			***************************************
2017							
	1	Within 1 week		Paraman, M. And And A	THE PERSON NAME OF A		
	l II	Within 1 year		T T T MODELS WHAT I MAKE I MAKE I WAS	THE THE STATE OF T		
	111	Within 3 years	A Vac Advantage	~ ~ ~			
	IV	N/A		AL II AM COLUMN COMMISSION ON MARKET	PRES # MINAGES ALL ALL 12	. · · · · · · · · · · · · · · · · · · ·	

Green Island Power Authority		2013	2014	2015	2016	2017		
2010- 2014	Total	Units	Units	Units	Units	Units	2013-2017	2013-2017
Inspection Summary	System Units	Completed	Completed	Completed	Completed	Completed	Units Completed	Percent Completed
Distribution Poles	455	455						100.00%
Underground Facilities	54	54						100.00%
URD	9	9						100.00%
Street Light / Traffic Signals	205	205						100.00%
Substation Fences	1	1						100.00%
Transmission	o	0						100.00%
Total	724	724						100.00%

CASE 04-M-0159 APPENDIX A

GREEN ISLAND POWER AUTHORITY

Summary of Shock Reports from the Public

YEAR 2013

1.	Total shock calls received:	
	Unsubstantiated	0
	Normally Energized Equipment	0
	Stray Voltage:	0
	Person	0
	Animal	0
11.	Injuries Sustained/ Medical Attention Received	
	Person	0
	Animal	0
Ш.	Voltage Source:	
	Utility Responsibility	
	Issue with primary, joint, or transformer	
	Secondary Joint (Crab)	
	SL Service Line	
	Abandoned SL service line	
	Defective service line	
	Abandoned service line	
	OH Secondary	
	OH Service	
	OH Service neutral	
	Pole	
	Riser	
	Other	
	Customer Responsibility	
	Contractor Damage	
	Customer EquipmentNViring	
	Other Utility/Gov't Agency Responsibility	
	SL Base Connection	
	SL Internal Wiring or Light Fixture	
	Overhead Equipment	
IV.	Voltage Range:	
	1.0V to 4.4V	
	4.5V to 24.9V	
	25V and above	

CASE 04-M-0159 APPENDIX A

GREEN ISLAND POWER AUTHORIY

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	i .						
1	NA						
Traffic Sign	i						
Scaffolding							
Bus Shelter	1						
Fire Hydrant	i						
Phone Booth							
Traffic Control Box							
Water Pipe	ł.						
Riser	0						
Other							