

November 26, 2014

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#### -VIA HAND DELIVERY -

Carlotta Stauffer, Director Division of Commission Clerk Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850



Re:

**Docket No. 140000** 

Florida Public Service Commission ("FPSC") Staff's Review of Physical

Security Protection of Utility Substations and Control Centers

Dear Ms. Stauffer:

Enclosed for filing in the above described docket are an original and seven (7) copies of Florida Power & Light Company's ("FPL's") Request for Confidential Classification of FPSC Staff's report "Review of Physical Security Protection of Utility Substations and Control Centers" and Audit PA-14-05-003 Official Workpapers. The original includes Exhibits A, B (two copies), C and D. The seven copies do not include copies of the Exhibits.

Exhibit A consists of the confidential documents, and all information that FPL asserts is entitled to confidential treatment has been highlighted. Exhibit B is an edited version of Exhibit A, in which the information FPL asserts is confidential has been redacted. Exhibit C consists of FPL's justification table supporting its Request for Confidential Classification. Exhibit D contains two affidavits in support of FPL's Request for Confidential Classification. Also included in this filing is a compact disc containing FPL's Request for Confidential Classification and Exhibit C in Microsoft Word format.

Please contact me if there are any questions regarding this filing.

Sincerely

David M. Lee

Fla. Bar No. 103152

Enclosures

cc:

Carl S. Vinson

Sofi Delgado Perusquia

Florida Power & Light Company

David M. Lee, Senior Attorney

#### BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

Review of Physical Security Protection of Utility Substations and Control Centers Docket No. 140000

Filed: November 26, 2014

REQUEST FOR CONFIDENTIAL CLASSIFICATION OF FLORIDA PUBLIC SERVICE COMMISSION STAFF'S REPORT AND OFFICIAL WORK PAPERS RELATED TO STAFF'S REVIEW OF PHYISCAL SECURITY PROTECTION OF UTILITY SUBSTATIONS AND CONTROL CENTERS

Pursuant to Section 366.093, Florida Statutes, and Rule 25-22.006, Florida Administrative Code, Florida Power & Light Company ("FPL") requests confidential classification of certain information included in the "Review of Physical Security Protection of Utility Substations and Control Centers" report (the "Report") and the Audit PA-14-05-003 Official Workpapers (the "Workpapers") prepared by the Florida Public Service Commission Office of Auditing and Performance Analysis. In support of its request, FPL states as follows:

1. Staff conducted an investigation regarding physical security of the transmission and distribution substations and control centers for Florida's investor owned utilities, including FPL. During its investigation, Staff was provided access to numerous pages of Confidential Data Responses, and FPL contemporaneously served notices of intent to seek confidential classification. Pursuant to Rule 25-22.006(3)(a), Florida Administrative Code, FPL was given until December 1, 2014<sup>1</sup>, to file a formal request for confidential classification with respect to the Report and the Workpapers. Accordingly, FPL is filing this Request for Confidential Classification to maintain continued confidential handling of the information contained in the Report and the Workpapers.

<sup>&</sup>lt;sup>1</sup> Commission Staff provided FPL a copy of the draft report on November 6, 2014. In the transmittal letter Staff indicated that due to the 21 day period ending on the Thanksgiving Holiday, FPL may file this request on December 1, 2014.

- 2. The following exhibits are included with and made a part of this request:
  - a. Exhibit A includes a copy the confidential Report and Workpapers, on which all information that is entitled to confidential treatment under Florida law has been highlighted.
  - Exhibit B consists of a copy of the confidential Report and Workpapers,
     on which all information that is entitled to confidential treatment has been redacted.
  - c. Exhibit C is a table containing the specific line, column or page references to the confidential information, and references to the specific statutory bases for the claim of confidentiality and to the affiant who supports of the requested confidential classification.
  - d. Exhibit D includes the affidavits of John Large and Mike C. O'Neil.
- 3. FPL submits that the highlighted information in Exhibit A is proprietary confidential business information within the meaning of Section 366.093(3), Florida Statutes. This information is intended to be and is treated by FPL as private in that the disclosure of the information would cause harm to customers or FPL's business operations, and its confidentiality has been maintained. Pursuant to Section 366.093, such information is entitled to confidential treatment and it is exempt from the disclosure provisions of the public records law. Thus, once the Commission determines that the information in question is proprietary confidential business information, the Commission is not required to engage in any further analysis or review such as weighing the harm of disclosure against the public interest in access to the information.
- 4. As the affidavits included in Exhibit D indicate, some of the information contained in the Report and the Workpapers is proprietary, confidential business information.

The Report and the Workpapers contain security measures, systems, or procedures, the

disclosure of this which would jeopardize the safe operation of FPL's electrical system. Such

information is protected by Section 366.093(3)(c), Florida Statutes.

5. Upon a finding by the Commission that the information highlighted in Exhibit A,

and referenced in Exhibit C, is proprietary confidential business information, the information

should not be declassified for a period of at least eighteen (18) months and should be returned to

FPL as soon as the information is no longer necessary for the Commission to conduct its

business. See § 366.093(4), Fla. Stat.

WHEREFORE, for the above and foregoing reasons, as more fully set forth in the

supporting materials and affidavits included herewith, Florida Power & Light Company

respectfully requests that its Request for Confidential Classification be granted

Respectfully submitted,

David M. Lee

Senior Attorney

Florida Power & Light Company

700 Universe Boulevard

Juno Beach, FL 33408

Telephone: (561) 691-7263

Facsimile: (561) 691-7135

By:

David M. Lee

Fla. Bar No. 103152

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#### CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing\* FPL's Request for Confidential Classification Of Report And Workpapers Related To Staff's Review of Physical Security Protection of Utility Substations and Control Centers was served electronically via email this 26<sup>th</sup> day of November, 2014 to the following:

Carl S. Vinson Sofi Delgado Perusquia Florida Public Service Commission 2540 Shumard Oak Blvd Tallahassee, Florida 32399-0850 cvinson@psc.state.fl.us sdelgado@psc.state.fl.us

3y:

David M. Lee

Fla. Bar No. 103152

\*The exhibits to this Request are not included with the service copies, but copies of Exhibits B, C, and D are available upon request.

### **EXHIBIT A**

## CONFIDENTIAL FILED UNDER SEPARATE COVER

## EXHIBIT B REDACTED COPIES

## **EXHIBIT B**

## CONFIDENTIAL

#### 4.0 Florida Power & Light Company

#### 4.1 Security Management 1 4.1.1 Security Organization 3 Florida Power and Light's (FPL) Corporate Security department is responsible for the security management of all non-Nuclear facilities. This includes those security issues related to 5 substation and control centers. These responsibilities include the identification, assessment, and management of security risks, as well as the physical security of all FPL facilities. Corporate Security's physical security approach includes the following steps to prevent and mitigate attack: 9 Deterrence and delay 10 П Detection of attack 11 П Assessment of attack 12 Communication and notification 13 Response to attack Most Corporate Security personnel are former federal, state, and local law enforcement 14 employees. FPL's Corporate Security department includes Area Security Managers responsible 15 for geographical areas throughout FPL's service territory. They oversee the security of the 14 facilities in their assigned areas and interact with local law enforcement. All Area Managers 17 communicate internally and share law enforcement contacts and other pertinent information. 18 19 FPL states it remains vigilant of emerging threats. 20 incorporates the use of contracted guards. Corporate Security determines the location of the 21 guards based on the type and prioritization of the facility. 23 FPL's Corporate Security Department utilizes its Security Operations Center to monitor 24 and manage all security threats. The Center is manned 24 hours every day and acts as a point 15 of contact for police and employees if a security breach occurs. Personnel at the Center manage all security technology such as card readers and video surveillance. The Center also 26 acts as the Disaster Recovery Center. Corporate Security personnel conduct all internal and 27 external investigations dealing with FPL security. 28 29 Corporate Security uses an array of software to monitor physical security. 30 31 32 33 34 35

31 37 38 Corporate Security personnel prepare a *Copper Theft Quarterly Report*, which tracks and trends thefts to see what additional measures may need to be implemented. These reports are reviewed by the Area Security Managers and the appropriate business units. As trends arise at certain substations,

#### 4.1.2 Physical Security Policies and Plans

FPL's Enterprise Physical Security Plan addresses the physical security of critical assets and their associated critical cyber assets as required by CIP-006. These are the assets identified as critical under current CIP Version 3 standards. With the implementation of Version 5 criteria, this set of assets will expand. The Physical Security Plan provides guidelines for the physical security of the FPL critical cyber assets within the substation control house. This plan is reviewed and updated annually.

NextEra's Compliance and Responsibility Organization provides independent oversight of compliance with the NERC standards across all NextEra subsidiaries including FPL. The Compliance and Responsibility Organization works with the operating Business Units such as Corporate Security and Power Delivery to ensure compliance with all NERC standards. Within FPL, each of the operating business unit's compliance teams ensure the execution of compliance activities, including the implementation and adherence to the company policies pertaining to NERC standards.

Additional FPL plans include the *Threat Level Response Plan* and the NextEra Energy *Cyber Security Incident Response Plan*. FPL's *Threat Level Response Plan* is comprised of general guidelines and potential protective measures suggested by the Department of Homeland Security. These guidelines would be implemented in conjunction with Business Unit procedures if the National Terrorism Advisory System Alert Level is raised. The *Cyber Security Incident Response Plan* covers the identification, classification, response, and reporting of incidents dealing with cyber assets. The plan provides general guidelines and team structure for appropriate company response. The Cyber Security Incident Response Team participates in annual tabletop exercises to test the effectiveness of the plan.

FPL suppliers and contractors must adhere to the Supplier Safe and Secure Workplace Policy. This policy outlines all requirements and procedures for working at FPL critical facilities such as enhanced background checks and drug testing.

#### 4.1.3 Interactions with Law Enforcement and Federal Agencies

FPL uses local law enforcement to patrol substations and act as first responders to security related incidents. FPL Area Security Managers act as liaisons with local law enforcement of their assigned areas. FPL participates in the South Florida Regional Terrorism Task Force led by the West Palm Beach Sherriff's Department. Corporate Security is an active member of the Florida State Fusion Centers, which educate law enforcement about the critical assets across the state and share threat information. FPL is also an active member of the Secret Service led Miami Electronic Crime Task Force which focuses on cyber related crimes. It also has designated a central point of contact for federal agencies and local law enforcement. After the PG&E Metcalf attack, FPL began increasing local law enforcement training on substation equipment and incorporating first responders into emergency drills. FPL has also briefed law enforcement on the substations within their particular jurisdiction.

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FPL's Corporate Security maintains open communication channels with EEI's Security Committee and federal agencies such as a monthly ES-ISAC conference call that discusses security trends and best practices. FPL has also implemented its Security Notification and Event Reporting Procedure, which outlines the steps of event reporting to federal agencies in case of a security related incident involving control centers and substation facilities. Under this requirement, FPL has reported events in the years 2010 to 2014, none of which resulted Corporate Security also screens information from media, law in customer outages. enforcement, and federal agencies and disseminates it to upper management. FPL also participates in the following energy sector groups:

- 10 Electricity Sector - Information Sharing and Analysis Center 11
  - Industrial Control Systems- Cyber Emergency Response Team
- 12 П Edison Electric Institute
- 13 Infraguard
- 14 П UNITE

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15 FPL upper management is actively involved in interactions with federal agencies and 14 sector groups. FPL plays a key role in the national EEI Security Committee, the FBI's National Joint Terrorism Task Force, and the Florida State Police Chief's Association.

#### 4.1.4 Physical Security Cost Tracking

Corporate Security's budget encompasses both O&M and Capital components. O&M expenditures include the maintenance of existing physical security systems such as card readers, video surveillance, and intrusion detection. Capital expenditures include both new installations and life cycling of existing equipment. However, not all security costs are contained within the Corporate Security budget. Some physical security costs are shared with appropriate operational business units. For example, the cost of security equipment for new substations is rolled into the cost of the substation. Not all physical security costs are budgeted and tracked in separate line items. Therefore, difficulties exist estimating total costs of FPL's physical security efforts. Currently, FPL is exploring ways to capture future information that separately identifies physical security costs for control centers and substations.

FPL's Corporate Security budget is shown in Exhibit 7 indicating an increase in 29 3P spending for 2014 YTD. The increase in capital expenditures in 2014 is due to the end-of-life replacement of equipment, enhancements to existing sites, and new equipment at new sites.

3	Florida Power & Light Company Corporate Security Budget 2011-2014					
	Year	Capital Expenditures	Operations and Maintenance	Total		
3	2011	I	200	I mera		
	2012	SAN TEL	15/3/19/2-			
,	2013	MN,5920	1.00			
1	2014*	To a marginal	- PUQ.8	with short		

<sup>1</sup> NERC EOP 004-2 standard

\*Through June 2014

Exhibit 6

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Source: Document Request Response 4-2

#### 4.2 Transmission Physical Security Protection

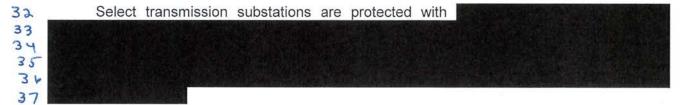
NERC CIP standards focus on the Bulk Electric System, which includes all transmission facilities that operate at 100kV and above. FPL operates 71 transmission substations and 47 combined<sup>2</sup> transmission and distribution substations throughout its service territory ranging from 100kV to 500kV. Security measures for transmission substations are tailored to each location based upon the individual facility needs, the criticality of the facility, and its unique location.

#### 4.2.1 Risk and Vulnerability Assessments

Under CIP Version 3, transmission substations are classified as either critical or noncritical. All critical substations and transmission control centers, including back-up centers, are required to comply with NERC CIP standards. As required by CIP-002, Version 3, FPL 13 developed a risk-based methodology to identify those transmission facilities which are critical to the reliability of the grid. Criticality is based on the potential impact the loss of a facility may have to the reliability of the FPL transmission system. Once a substation is deemed critical, their cyber assets are evaluated and protected based on their criticality to the reliability of the 17 substation.

18 For facilities designated as critical for CIP compliance purposes, both the Physical 19 Security Perimeter and the Electronic Security Perimeter of the cyber asset are highly safeguarded. The Physical Security Perimeter is the six-wall "barrier" (walls, ceiling, and floor) that houses the cyber asset. In most cases, the six-wall barrier is either the control center or the 22 control house building at a substation. under CIP standards to employ security measures above FPL's baseline and may include y additional measures such as and non-critical substations adhere to FPL's baseline security measures, which include a 26 27

Additionally, the FPL business unit may deem a substation as a non-critical priority substation based upon the facility's history of security related incidents and increased theft patterns. Some of these priority substations receive Facility Security Reviews as well as additional security measures that critical CIP stations typically use.



38 FPL has instituted Facility Security Reviews as vulnerability assessments and 39 inspections for some transmission substations. FPL also ensures all transmission and

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<sup>4</sup> o Combined substations are sites that have both transmission and distribution substation in the same facility.

distribution substations meet all National Electrical Safety Code requirements for fencing, signage, and equipment. Procedures are updated every five years as the National Electrical Safety Code is updated.

FPL conducts Personnel Risk Assessments, or enhanced background checks, for employees and contractors to have unescorted access to critical facilities. Personnel Risk Assessments of some Corporate Security contractor employees are audited periodically by Corporate Security. FPL has the discretion to deny any contractor employee access to the critical facility for any reason. Under NERC CIP standards, all enhanced employee background checks must be conducted every seven years.

While FPL does not conduct formal risk or vulnerability assessments of its non-critical transmission substations, the company constantly monitors crime indices as well as incident trends to reassess its security protection. **Exhibit 8** shows the number of security incidents that occurred in its 71 transmission substations over the period 2010 to date.

7	Florida Power & Light Company Transmission Substation Security Incidents 2011-2014									
8	Types of Incidents	2011	2012	2013	2014*	Total				
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		ı			I	H				
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\* Through September 2014

Le Exhibit 7

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Source: Document Request Response 4-2

Exhibit 9 shows the number of security incidents that occurred in its 47 substations that have combined transmission and distribution operations.

Combination substations experienced an increase in the number of incidents in 2011. The number of incidents decreased in the subsequent years.

33 34		ida Power & Li ion Substation 2011–20	Security In			
35	Types of Incidents	2011	2012	2013	2014 *	Total
36	E-2-17-10-10				ı	
37			I	1	1	
38	1000	1	1	1	1	I

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1		I	I		I	
2				I	I	
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4	* Through September 2014 Exhibit 8		•	Source: Docum	ent Request Res	sponse 4-2
6789101123	4.2.2 Physical Security Inspects FPL's physical security inspection performed at both critical substations evaluate  As required by CIP-006-03, regulared by CIP-006-03, re	eviews of criorms them is are cond	Facility Sec critical prior itical facilitie yearly or ucted by the	es must be more often ne Area Se	completed en than the fecurity Mana	every three three year
7567	FPL's facilities management con and non-critical transmission substation the facility management and vegetation addressing doors, locks, fencing, and lig	ns five times n. They als ghting.	s a year. T o incorpora	hese facility	v inspection	s focus on
18	4.3 Distribution Physical Securit	y Protect	ion	A PUBL	是让他	Se there is
19 20 21 23 24	Distribution substations fall under do transmission facilities below 100k substations, falls under the jurisdiction transmission system, reduce the transmission system.	V. The Bun of FERC	Ilk Electric Distribution in the contract of t	System, in ation substant or 23kV, and	ncluding tra ations conne d terminate	ansmission ect to the at a lower
15 27 28 29 30	4.3.1 Risk and Vulnerability Ass FPL monitors security incident to various facilities. While FPL perform centers, it does not perform document substations. FPL ensures all substation such as specified fencing. Procedures Safety Code is updated.	rends and one of the second contract of the s	Security Re vulnerabilit National El	eviews at i y assessme lectric Safet	its distribution ents of its of ty Code requ	on control distribution uirements,
32	All substations have FPL's ba	seline secu	urity measu	ures, which	include	100 TO 100
	An increase in se baseline, ongoing risk assessments.	curity meas	sures for d	istribution s	<b>为国际企业</b>	
	relatively small customer count and ar service interruptions.	e often loo	ped, provid		on substation id rerouting	

Чъ distribution substations.

Exhibit 10 shows the recent numbers of security incidents that occurred in

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are the least common types of incidents. However.

Overall, the number of incidents has

decreased since 2011.

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#### 4.3.2 Physical Security Inspection Process

While FPL performs Facility Security Reviews at its distribution control centers, it does not conduct them for its distribution substations. However, it does conduct facilities inspections that incorporate physical security aspects. Like those for the transmission substations, these facility inspections are conducted by the facilities management contractor and are performed five times a year. These facility inspections address physical security components including

3	Florida Power & Light Company Distribution Substation Security Incidents 2011-2014									
	Types of Incidents	2011	2012	2013	2014 *	Total				
			112							
	Mark Charles									
						I				
				H						

\* Through September 2014

3 Exhibit 9

Source: Document Request Response 4-1

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#### Recovery And Response

FPL has implemented multiple levels of resiliency and redundancy in both its transmission and distribution substations and control centers. The primary transmission control center monitors the transmission grid and, among other roles, acts as the "generation to load" balancing agent for the company. The back-up control centers are geographically dispersed and are kept ready in case the primary control center losses functionality. The primary control center and the back-up centers are equipped with

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The control centers house the

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One of these applications is the Contingency Analysis, which is performed every Ч of five minutes to assess the Bulk Electric System ramifications of losing one piece of FPL equipment (e.g. transmission line). This allows the System Operator to see how FPL's infrastructure would handle an unexpected incident.

3 Since FPL is the FRCC Reliability Coordinator's agent, FPL's transmission control center also houses the FRCC Reliability Coordinator who are FPL shift employees whose responsibility is to monitor the FRCC regional footprint and to take any actions necessary to maintain the reliability of the Bulk Electric System consistent with NERC Reliability Standards. These employees observe the activity of all the utilities in the FRCC region and are required to resolve 7 reliability issues between member utilities. Additionally, FPL participates in the FRCC Generating Capacity Plan adopted by the Commission per Rule 25-6.0183. The Generating Capacity Plan details the coordinated actions among electric utilities and state and local agencies. The FRCC plan enables FPL to cope with a generating capacity shortage on its system and to mitigate the impact of the emergency.

13 To build in resiliency and redundancy into FPL's transmission system, multiple lines may feed each substation, and substations typically house multiple transformers. If one transformer is inoperable, the other transformer(s) within the substation can typically accommodate the transferred power from the inoperable transformer. Spare equipment is also available for endof-life replacement or to replace a damaged transformer. 18

19 Beyond its own spare equipment supply, FPL participates in the EEI Spare Transformer Equipment Program (STEP), which allows utilities to find and share spare equipment in case of an emergency. FPL shares equipment in the 500/230 kV and 230/138 kV classes. Since the transport of these transformers can be an issue due to their size and need for specialized rail 3 cars, this regional sharing arrangement can shortcut recovery time.

If an attack were to occur causing a transmission line to become inoperable, power is as automatically rerouted minimizing the impact to the Bulk Electric System and customers. The System Operator at the transmission control center would monitor the Bulk Electric System to identify and respond to resulting adverse reliability conditions. 28 29 If that is also lost, alternate arrangements 30 are implemented until communication is restored. Also, during the period when communication 30 is unavailable, the substation and protection system equipment will still automatically respond and remedy fault conditions (e.g. tree coming in contact with a wire).

33 These distribution control centers control and monitor all of 35 FPL's distribution substation feeders. 36 even though

37 they are not required to do so to comply with NERC CIP standards.

38 The distribution system is different from the transmission system in that it is a radial Feeders can connect to feeders from adjacent substations. 40 transmission substations, distribution substations can continue to function when one of the transformers is inoperable. For distribution substations with one transformer, feeders from the 42 affected substation are typically reconnected to feeders from adjacent substations. Spare 43 equipment is also available for end-of-life replacement or to replace a damaged transformer. 44

FPL also has the ability to deploy mobile transformers as needed when a distribution

substation transformer becomes inoperable. As another measure of redundancy protection, distribution substations are typically fed from multiple transmission line sections.

FPL's 590 transmission, combination, and distribution substations do not often experience complete substation outages. Exhibit 11 shows the number of complete substation outages excluding planned outages and outages caused by named storms. These outages were caused by weather, equipment failure, and animals. None of the outages were caused by a malicious attack or physical security breach.

Transmission an Unpla	ver & Light Company d Distribution Substation nned Outages* 2011–2014
Year	Number of Outages
2011	121
2012	93
2013	99
2014**	82
Total	395

\* Excluding outages caused by named storms
\*\* Through August 2014

Exhibit 10

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Source: Document Request Response 3-8

#### 4.5 CIP-014 Preparations

22 As a result of the PG&E Metcalf attack, FPL began conducting a series of selfassessments to gauge and improve its security measures. FERC developed a list of "electrically significant stations" that are vital to the reliability of the grid and a guideline of security measures which could be evaluated. FPL reviewed the list of FERC security measures and information from an EEI electric industry physical security survey in order to perform a "gap analysis" against FPL's current practice. FPL was able to identify potential enhancements at its high priority facilities. An EEI working group was able to use these results to benchmark current practices within the electric sector. Corporate Security also utilized the Department of 3 9 Homeland Security's Computer Based Assessment Tool, a vulnerability assessment of critical assets to create a video guide of five facilities. Corporate Security utilized this video-guide to 3 increase situational awareness of select substations for the Security Operations Center 3 3 personnel.

From the gap analysis conducted, multiple potential security enhancements for 3 < transmission substations were identified. Some of these enhancements include:





Some of these enhancements have been implemented while others have been delayed for comparison to the eventual final CIP-014 requirements.

FPL actively participated in the drafting and development of CIP-014. A member of the NextEra Compliance and Responsibility Organization served as the Chairman of the NERC Standards Committee, which oversees and manages the development of the CIP-014 standard. An FPL Power Delivery employee was a member of the drafting team which developed and wrote the CIP-014 standard. Although the final version of CIP-014 has not been approved by FERC, FPL has begun to identify the substations that will be applicable under CIP-014. The new standard will encompass a smaller subset of substations derived from the medium impact category under CIP Version 5. FPL will be required to assess medium impact substations to determine their effect on the reliability of the grid. FPL states that no major planning or cost projections can be prudently developed until FERC approves the CIP-014 standard.

#### 4.6 Self-Assessments And Exercises

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FPL participated in the GridEx II exercise in 2013, in a monitor and respond role. Key NextEra Energy business units participated in the exercise. After the completion of the exercise, NextEra Energy identified certain needed areas of improvement. NextEra Energy and FPL plan to participate as active participants in the GridEx III exercise in November 2015.

The Enterprise Physical Security Plan required by CIP-006-03 is tested yearly via tabletop exercises which simulate the recovery of critical systems (CIP-009) and incident response procedures (CIP-002). FPL personnel act as both the participants and facilitators in the exercise. Third party contractors have facilitated the exercises in the past. NextEra Energy also conducts annual, cross-departmental cyber threat exercises that sometimes include physical security scenarios. The cyber drills are conducted and facilitated by the cyber team and Corporate Security and have been monitored by federal agencies such as the FBI.

#### 4.7 Company Comments

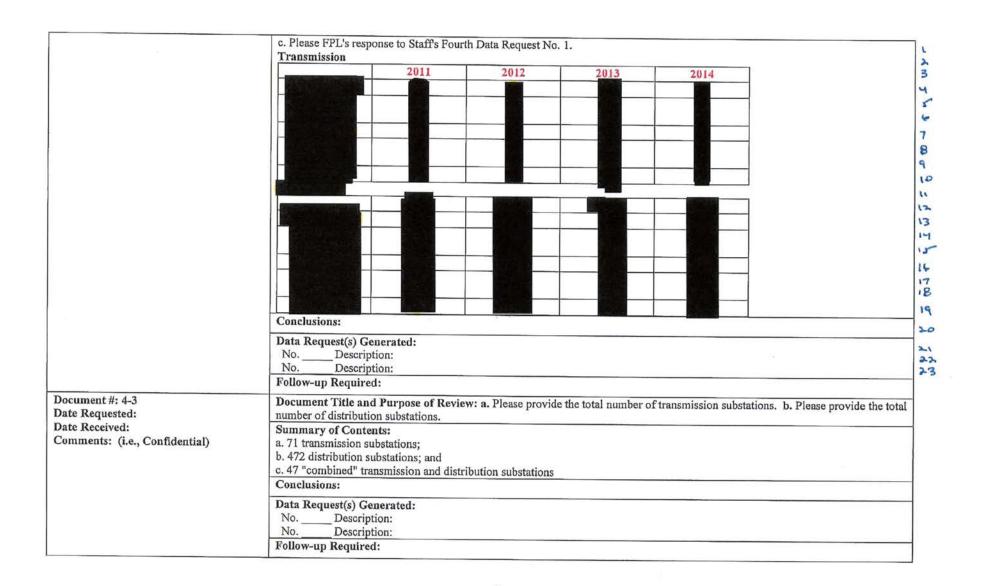
	Office of Aradition and D. C.
	Office of Auditing and Performance Analysis
Company: Florida Power & Light	Document Summary and Control Log
Area: Florida Power & Light Physical Security of St Auditor(s): Delgado Perusquia/C	ubstations File Name 1/DEPERDMAN CE ANALYSIS CONTROLLS
Document #: 1-1 Date Requested: Date Received: Comments: (i.e., Confidential)	Document Title and Purpose of Review: a. Does your company have a physical security policy, strategy or governing document? b. Describe how this physical security policy is reviewed or audited. c. If so, how often reviews and audits are performed? d. Is the review or audit conducted internally or by an outside party? e. What qualifications does the company consider relevant to this type of review?
CONFIDENTIAL	They also adhere to the National Electric Safety Code, Section 11.  b. CIP-006-3 and EOP-004-2 are reviewed by FPL personnel. Audits are also performed by FRCC. c. CIP-006-3 and EOP-004-2 reviews are done annually, and the FRCC audits are conducted every 3 years. d. Both (Internally and by a 3 <sup>rd</sup> party) e.  Conclusions:
	Data Request(s) Generated:  No Description:  No Description:  Follow-up Required:  1. Please refer to FPL's response to document request, question 1-1(b), which FPL personnel review CIP-006-3 and EOP-004-2? Please describe their job responsibilities.  2. Who id the 3 <sup>rd</sup> party that performs the reviews?  3. Please describe how the reviews are recorded.  4. Please provide the Enterprise Physical Security Plan and the Security Notification and Event-Reporting Procedure.  5. Please provide any documentation of the most recent review of CIP-006-3 and EOP-004-2 performed by FPL personnel.  6. Please provide the most recent audit report performed by FRCC.
Document #: 1-2 Date Requested: Date Received: Comments: (i.e., Confidential)	Document Title and Purpose of Review: a. Has your organization conducted a physical risk or vulnerability assessment of its transmission substations, distribution substations, and system control room facilities? b. How were these assessments conducted? c. Who conducted these assessments? d. How often are these assessments revisited or redone?  Summary of Contents: a. Yes, for those substations and control centers identified as critical by the company.  b. Via on-site reviews of physical security such as lighting, fencing, access control devices, locking mechanisms, video surveillance, signage and with frequent law enforcement liaisons.  c. FPL Area Security Managers.  d. The assessments are performed annually or every six months based on criticality of the substation or control center facilities.  Conclusions:
	Data Request(s) Generated:  No Description:  No Description:  Follow-up Required:

Document #: 1-3	<ol> <li>Please refer to FPL's response to document request, question 1-2(b), how do the FPL Area Security Managers conduct a physical risk or vulnerability assessment of its transmission substations, distribution substations, and system control room facilities? What processes and criteria do they use to conduct these assessments?</li> <li>Please provide any documentation of the most recent review.</li> <li>Please provide all of the dates for the on-site reviews conducted of the transmission substations, distribution substations, and system control room facilities for 2012, 2013, and year-to-date 2014.</li> <li>Please describe the job responsibilities of the FPL Area Security Managers.</li> <li>Please refer to FPL's response to document request, question 1-2(c), how does FPL assign criticality of substations or control center facilities? Please provide any standards or documentation related to assigning criticality.</li> </ol> Document Title and Purpose of Review: a. Has your physical security plan been reviewed in the last year and updated as needed?
Date Requested:	b. How often is it reviewed and updated?
Date Received: Comments: (i.e., Confidential)  3(a) CONFIDENTIAL	Summary of Contents: a. CIP-006-3 — EOP-004-2 — NESC (every 5 years by Institute of Electrical and Electronic Engineering) reviewed by FPL to determine if changes to policies sand procedures are required. Last review in 2012. b. Please see FPL's response to Staff's First Data Request No. 1.  Conclusions:
(a) COMPLETITE	
	Data Request(s) Generated:  No Description:  No Description:
	Follow-up Required:
Document #: 1-4 Date Requested: Date Received: Comments: (i.e., Confidential)	Document Title and Purpose of Review: a. Is your physical security plan tested regularly? b. Is it tested internally or by or with a third party? c. How often is it tested?  Summary of Contents: a. CIP-006-3 is tested annually. b. Both (Internally and by a 3 <sup>rd</sup> party) c. See FPL's response to subpart (a) above.
4(a) CONFIDENTIAL	Conclusions:
	Data Request(s) Generated:  No Description:  No Description:
S4 (4)	Follow-up Required:  1. Please refer to FPL's responses to document request, question 1-4(b), what part of your organization tests your physical security plan? Please describe their job responsibilities.  2. Please refer to FPL's responses to document request, question 1-4(a), describe how your organization tests Enterprise Physical Security Plan (CIP-006-3)? What roles do FPL's personnel and the third party contractors play in the testing?  3. Who is the 3 <sup>rd</sup> party?
Document #: 1-5	Document Title and Purpose of Review: How does your physical security plan identify critical assets?
Date Requested: 11/22/10 Date Received: 12/7/10 Comments: (i.e., Confidential)	Summary of Contents: The Enterprise Physical Security Plan for NERC Standard CIP-006-3 does not specifically identify critical assets. However, FPL does identify critical substation and control center assets through application of a formal risk based methodology developed by FPL as required in the current NERC CIP-002 standard.
	Conclusions:
	Data Request(s) Generated:  No Description:  No Description:

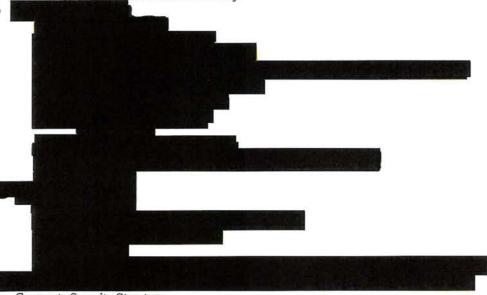
Date Requested: 11/22/10 Date Received: 12/7/10	(such as ES-ISAC, industry associations, etc.) to improve its physical security protections and readiness.
Comments: (i.e., Confidential)	Summary of Contents: We are members of organizations such as the Edison Electric Institute (EEI), EEI Security Committee, ES-ISAC, North American Transmission Forum (NATF) Physical Security Group, American Society for Industrial Security (ASIS) and the FBI Domestic Security Advisory Committee. A member of the Corporate Security department is the current Chairman of the national EEI Security Committee. The EEI Security committee has taken a lead role in the industry in the sharing of best physical security practices. FPL is investing in new physical security technology and is bench-marking with our peers to help ensure we are utilizing the best available physical security measures.  Conclusions:
	Data Request(s) Generated:  No Description:  No Description:
	Follow-up Required:  1. What new technology are you investing in?  2. How is bench-marking performed?
Document #: 1-18 Date Requested: 11/22/10 Date Received: 12/7/10 Comments: (i.e., Confidential)	Document Title and Purpose of Review: a. Can your company identify any other mandatory physical security standards that apply to its systems? b. What is your company's plan for certifying its compliance or identifying that it has a timetable for compliance?  Summary of Contents: a. No. While CIP-006 includes mandatory physical security requirements, these are limited to critical cyber assets/systems.  b. As mentioned in FPL's response to Staff's First Data Request No. 16, FPL is working to be compliant with version 5 of CIP-002 through CIP-009 by the effective date of April 1, 2016 for High and Medium impact assets, and April 1, 2017 for Low impact assets. FPL's Compliance and Responsibility Organization will oversee these compliance activities to ensure compliance with version 5 by the required dates.  Conclusions:
	Data Request(s) Generated:  No Description:  No Description:  Follow-up Required:
Document #: 1-19 Date Requested: 11/22/10	Document Title and Purpose of Review: Please describe any other pro-active physical security initiatives by your company that go beyond regulatory or standard compliance activities.
Date Received: 12/7/10 Comments: (i.e., Confidential) CONFIDENTIAL	Summary of Contents: FPL conducts FSRs more frequently than required (CIP-006-3). FPL networks on a frequent basis w/ Florida State Fusion Center and local/federal law enforcement on trends and threats affecting our sector.  Conclusions:
	Data Request(s) Generated:  No Description:  No Description:  Follow-up Required:  1. What is "frequent basis"?  2. Are there any specific sector groups just for physical security?
Document #: 1-20	<ol> <li>Please refer to FPL's response to document request, question 1-19, what is the role of the commercial intelligence vendor?</li> <li>Document Title and Purpose of Review: How do you determine which systems, components, and functions get priority in regard</li> </ol>
Date Requested: 11/22/10	to implementation of new physical security measures?

	detection system for the facility, and also reviewing the lighting, fence perimeter, video and other related security measures. In addition, all transmission and distribution employees while at a transmission or distribution substation for normal work activities will inspect these facilities for unlocked gates, damaged fencing, and other security/safety related issues. These same employees are provided training on reporting security related events through training courses related to Security Notifications and Event Reporting (EOP-004-2) b. Please see Attachment Nos. 2 & 3 for the FSRs for a system control center and transmission substation respectively. At this time, we have not conducted any on-site reviews of Distribution Substations.  Conclusions:
	Data Request(s) Generated:
	No. Description:
100	No. Description:
	Follow-up Required:
	Is there any review of physical security for distribution substations?
	2. Why do some substations have more than one completed in a year?
	3. Done at all control centers?
	4. If there is an issue or finding found, how is it addressed? Re-audit?
	5. Whose responsibility is it?
	6. Is this a critical substation?
	7. Go over recommendations.
	8. Has this been corrected?
Document #: 2-6	Document Title and Purpose of Review: Please describe how FPL tests the Enterprise Physical Security Plan as referred to in
Date Requested: 11/22/10	response to question 1-4(a). What roles do FPL's personnel and the third party contractors play in the testing?
Date Received: 12/7/10	Summary of Contents: The Enterprise Physical Security Plan for NERC Standard CIP-006-3 is tested by the utilization of tabletop
Comments: (i.e., Confidential)	exercises which simulate the recovery of critical systems and incident response procedures. FPL personnel act as both participants in the exercise and have facilitated the exercise. Third party contractors have also facilitated these exercises in the past.
	Conclusions:
	Data Request(s) Generated:
	No Description:
	No. Description:
	Follow-up Required:
	1. Who are these third party contractors?
Document #: 2-7	Document Title and Purpose of Review: a. Please describe how the Facility Security Reviews referred to in response to question
Date Requested: 11/22/10	1-6(b) are documented. b. Please provide the most recent Facility Security Reviews.
Date Received: 12/7/10	1 s(e) are documented. 0.1 lease provide the most recent 1 acmety security Review.
Comments: (i.e., Confidential)	Summary of Contents: a. The Facility Security Reviews (FSR) are documented in an
3	b. Please see FPL's response to Staff's Second Data Request No. 5(b).
CONFIDENTIAL	Conclusions:
	Data Request(s) Generated:
	No Description:
	No. Description:
	Follow-up Required:
	1. Describe the Investigative Database.
	2. Who has access to it?

#### Office of Auditing and Performance Analysis Document Summary and Control Log Workload Control #: PA-14-05-003 Company: Florida Power & Light Area: **Physical Security of Substations** File Name: I:\PERFORMANCE ANALYSIS SECTION\00 PERFORMANCE Delgado Perusquia/Coston ANALYSIS AUDITS\Physical Security\FPL\3.0 Work Papers\3.3 Document Auditor(s): Summaries\3.3.4 Document Summary 4.doc Document #: 4-1 Document Title and Purpose of Review: a. For distribution substations and control centers, please provide a count of incidents Date Requested: involving attempted intrusion of the fenced perimeter or buildings, theft, destruction of equipment/property, or vandalism. b. If Date Received: presently readily available, provide a brief description of each event. (E.g. "2 suspects attempted to cut perimeter chain link fence Comments: (i.e., Confidential) but did not enter facilities" or "Theft of copper from company vehicle within substation fence.") c. Please provide this information separately by year for 2011, 2012, 2013 and YTD as available for 2014, noting cutoff date. Summary of Contents: CONFIDENTIAL a. Attachment Nos. 1 - 4 contain the list of all such incidents for the years 2011 through September 18, 2014, including distribution and transmission facilities. b. Please see Attachment Nos. 1 - 4. The "Summary" of the Incident and "Case Type" provided in the attachment are preliminary 10 information utilized by the Security Operations Center to classify and/or summarize the initial report of the incident. The subsequent investigation and/or follow-up may vary from these classifications based upon the facts/information that is discovered. 11 12 FPL could not provide further detail in the limited time provided to respond to this data request. 13 c. Please see Attachment Nos. 1 - 4. 14 15 14 17 18 19 2P 21 Conclusions: Data Request(s) Generated: No. Description: No. Description: Follow-up Required: Document #: 4-2 Document Title and Purpose of Review: a. For transmission substations and control centers, please provide a count of incidents Date Requested: involving attempted intrusion of the fenced perimeter or buildings, theft, destruction of equipment/property, or vandalism. b. If Date Received: presently readily available, provide a brief description of each event, (e.g. "2 suspects attempted to cut perimeter chain link fence but did not enter facilities" or "Theft of copper from company vehicle within substation fence.") c. Please provide this information Comments: (i.e., Confidential) separately by year for 2011, 2012, 2013 and YTD as available for 2014, noting cutoff date. Summary of Contents: CONFIDENTIAL a. Please see FPL's response to Staff's Fourth Data Request No. 1. b. Please FPL's response to Staff's Fourth Data Request No. 1.



- o Jim is on the Board of Directors
- Several people in Corporate Security have secret clearance
  - o Needed for DOE briefings
    - Discuss trends and best practices
    - · Other utilities share info
- Sr. Manager know sheriffs in FPL territory



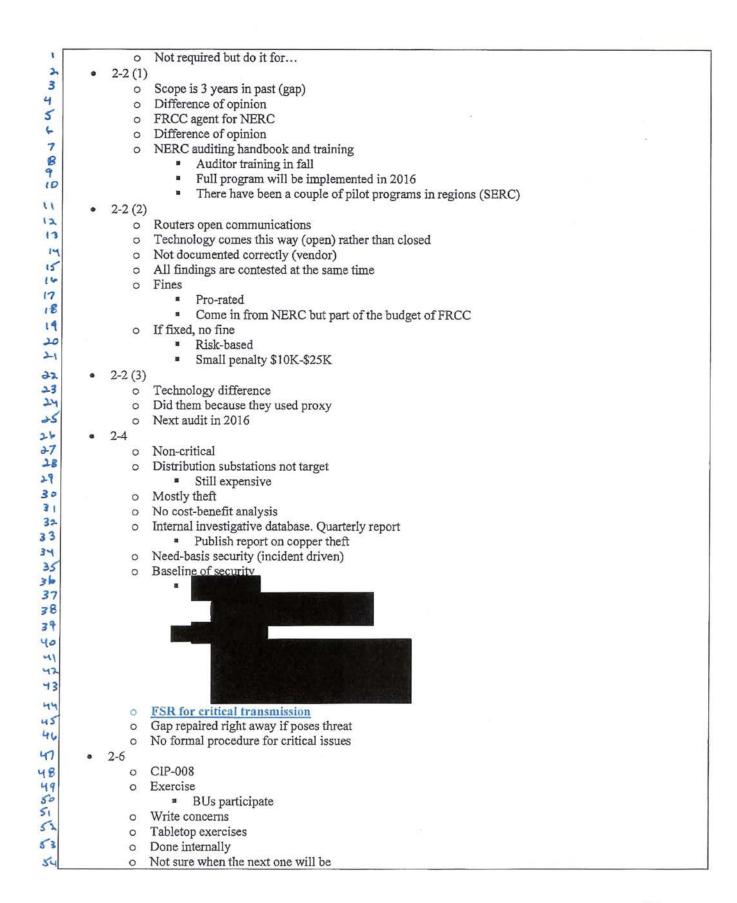
- Corporate Security Structure
  - o 5 Security Managers are divided by geographical locations
    - Responsible for maintaining contact with law enforcement
    - Law enforcement calls Security Center first
  - o Use a SharePoint site that contains contacts
  - o If an attack happens, they call the security center
- Substation and Control Center Infrastructure
  - o TCC and Transmission
    - 500-69 KV
    - Within the region, monitor transmission grid
    - Facilities
      - · Redundancy when building power supply
      - Interim provision control center
      - Geographically diverse
    - Computer system
      - EMS fail to backup
    - Voice Communication
      - · Fully redundant voice recording
      - Hoot & Holler system connected both internally and externally
      - · Corporate phone system
      - Satellite phones
    - Real-time Data links to external entities
    - Reliability tools
      - · Contingency analysis performed every 5 minutes
        - o Looking at grid
        - o Let operator know if there is a problem
        - Analysis of blackouts
        - o Done regionally (FRCC)
    - Regional footprint

- Most of FL except panhandle
- FRCC
- Ratings
- · Convert the power system into a big connected info structure
- Geographically diverse back up centers
- Primary CC
- Don't have to get everyone up to back-up
  - Not mapped
  - Have people there just in case not manned 24/7
- Interim Control Centers
- Substation Infrastructure
  - Auto transformers
  - Transmission: receive 230 KV -> 138KV
  - Distribution: 138KV -> 13.8KV
- DCC and Distribution
  - 23-13.8 KV
  - Monitors distribution substation feeders
  - Distribution
    - Manned all the time
- NERC History
  - o 2003 blackout triggered 2005 Energy Policy Act
  - o 100 KV or larger is considered BES
  - o does not treat Transmission 69KV any differently
- Challenges
  - o Human error
  - o Op threat
  - o Emergencies
  - o Lack of preventative maintenance
- Protective devices
  - o Like a circuit breaker
  - o Protecting from fault that causes fire
  - o Relays
    - Small electronics
    - Taking info that's there
- Training Personnel
  - o Communication
- Prevent cyber intrusion
- FRCC
  - o Reliability Coordinator
    - Monitoring regional footprint
    - Transmission coordinator
    - Overrides the utilities if needed
    - Inter-regional
    - Individual utilities control the equipment
    - Oversees the operation of the interconnection
- · CIP
  - o 2008 Control Centers
  - o 2010 Critical infrastructure and control centers
  - o Version 3
    - Cyber assets determined by a risk-based methodology
    - Rule-based method for cyber assets
  - o Physical Security Perimeter
    - Cube
  - Electronic Security Perimeter

Fire walls 4 Defense in depth 3 Internet | Information management (#1) | | (#2) | (#3) | EMS (#4) Control Centers do not have email available on computers 5 No trust between levels CIP Version 5 7 2016 and 2017 implementation 8 Bright line Criteria- more defined 9 High (CC) 10 Medium (priority transmission and plant sites) 11 12 Low (balance of transmission subs) 13 No prioritization within CIP or in terms of physical and cyber security Methodology was looking in-house. 15 New plan must look at entire grid 16 CIP -014 17 Director participated in team 18 Risk-assessment on critical assets 19 3rd party verifier (agencies, utilities, consultants) 20 Threat and vulnerability assessment 21 Medium priority from v. 5 would be included 3<sup>rd</sup> party review of evaluation and security plan 23 Current Physical Security Practices 24 25 24 27 28 29 30 Metcalf 31 Attack on Bank of transformers 32 The grid remained intact 33 No customer impact 34 Industry responded quickly to self-assessment 35 NERC assembled team of members to assess consistence of standards 36 Pre-Metcalf 37 Piloting outside-in system 38 39 40 41 42 43 44 Critical may be different from "electrically significant" substations 45 Substation Resiliency Spare substation equipment is available; replacement or End Of Life 47 Mobile substation equipment is used (transformers, circuit breakers) STEP Connect Participates in 500/230 KV and 230/138 KV classes Enhancements Cover generator step up (GSU's) and long-lead ancillary equipment Continue to work with industry effects (EEI) on improved transportation Transportation is currently a challenge Chairman of NERC Standards Committee

#### GridEX II

- o NERC
- o 215 organizations (utilities, DHS, DOE, FBI, EEI, etc.)
- o Identify improvements in physical and cyber security attacks
- o Information from DC to groups
- o "monitor/respond" role
- Helped NERC put exercise together
- o 2015 active participants
- 70 people involved at control center
- o Key NEE deps were present
- o 1.5 days
- o Phishing
- o Shooting, explosions (war-like)
- o Realized FPL would need outside help if all this happened
- o Tested the plan
- Lesson Learned on presentation
- Network segregation
- Participation in future Physical/Cyber Exercises
  - o Cyber drills with in
  - o At least annually
  - o FBI cyber person present at drill
  - Secret service
- "Air Gapping" control system networks
  - o Levels with firewalls and physically separate
  - o Communication one-way (dial)
- Beyond industry standard
- C2M2
  - o Will have a reassessment this year
  - o In fall other assessment 3rd party
  - Self-assessment or have DOE do it
  - o Benchmarking b/w different utilities
  - o Review with management
  - DOE Risk Management Process
- Threat Scenario Project EEI Resiliency Self-Assessment
- Threat- Cyber Threat Intelligence (CTI)
- Situation
  - o Oradar
  - o Create Common Operational Picture
- Sharing
  - o CTI
- NIST Framework
  - o More smaller and midsize organizations
- · No maturity model for physical
- ES-ISAC
  - o NER run
  - o cyber
- No CICC (?) #13
- Timeline for some
- UNITE
  - o Benchmarking organization for electric



		11111111111		
1	• 2	2-7		
		0	Investigative Database	*
		0	Internal	
		0	Track incidents and investigations	
		0	Burglaries, thefts	
		0	Secure server	
		0	Redundant server	
		0	Security managers and other personnel have access by levels	
	• 2	2-8		
		0	Moving to corporate procedures	
	• 2	2-9		
		0	One non-critical	
		0	Access road to lines	
		0	FSR	
			Limited resources for physical security	
	• 2	2-12		
		0		
		0	Training for SOC personnel about critical equipment	
			<ul> <li>Situational awareness</li> </ul>	
		0	CBAT as a response for personnel	
		0		
		0	No additional security	
		0	1999 F 1 2017 F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		0	[18] 18의 프로스트 (M. 18] 전 (M. 18) 전 (M. 18) 18 - (M. 18) 1	
			How decide who pays	
	044		Sr. management within BU	
•	2	-13	V 0	
		0	Internal guide for BU guidance	
		0	Guidelines	
			Generally accepted guidelines created by DHS	
			Pg. 11 created by DHS	8
		0	Is threat is increased, push out to Bus	
	_	0	Bus may or may not have procedures for increased threat level	
. 0	2	-14	December 1-t-11: A1 1-1 1-D:	
		0	Reports to Intelligence Analyst, John, and Director	
0.0			Only M-F	
•	2	-15	NT	
		0	No audits of random testing	
		0	Contractors who have badges, PRA and are frequent Escorts at NERC CIP sites	
		0	ESCORS at NERC CIP sites	
(3) (	Con	clusio	ns.	
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(4) I	Date	Rem	uest(s) Generated:	
7.	To.			
1,	NO			
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				9
1				<ul> <li>Transfer</li> </ul>
2				Can run on -1
3	1			<ul> <li>Stations serve by 2 different transmission lines</li> </ul>
				<ul> <li>Many have auto switches that could tie feeders together. Not everywhere</li> </ul>
5			0	Resiliency
6			120000000	Spare equipment
7	1	•	Distribu	ation inspections
B			0	In addition to visits
9			0	Facilities management group do go out and assess
10			0	More than once a year
le			0	Fences, locks, perimeter, ground, building
12			0	For distribution and transmission
13			0	Electronic inspection
14			0	Done by contractor
15	1		0	
16			0	Work order
17			0	Tracked until completed
18				and equipment by vendor
19			0	Non-functional camera alert
20			0	Checked weekly
7-1		•	Cyber d	
73			0	Jeff's team
53		•	CIP v.5	
24			0	Approved
22			0	April 2016
70			0	Teams interpreting standards
27			0	Policy and procedure link-up
18	90		0	Medium – similar to now CIP substations
29			0	Low – much larger figure
30				CIP not clear what the enhancements will be
31			CIP-01	
31			0	Stations that have large impact on grid
33			0	Looking at medium substations
34	Į.			Assessment of loss of substation on grid
35			0	Severe impact
36			0	This CIP will impact very few # of substations
20		•		
37				
38				
39				
40				
41				
380	(2)	0	1	
42	(3)	Con	clusions:	
502	(4)	Dat	- D	Val Communication
43	(4)	Date	Reques	t(s) Generated:
44		No.		
45				
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, put	(5)	Foll	ow-up Re	equired:
47				

# EXHIBIT C JUSTIFICATION TABLE

#### **EXHIBIT C**

COMPANY: Florida Power & Light Company

**TITLE: List of Confidential Documents** 

**AUDIT REVIEW TITLE: Review of Physical Security Protection of Utility Substations** 

and Control Centers

DATE: November 26, 2014

Description	Page Number	Conf. Y/N	Line/Column	366.093(3) F.S.	Affiant
Audit Report Section 4.0	1 1 2 3 3 3 4 4 4 5 5 6 6 6 6 7 7 7 8	Y	Lines 19-20 Lines 29-38 Lines 4-5 Line 6 Lines 38-41, Col. B-D Lines 22, 24, 25-27 Lines 32-37 Lines 13-14, 19-24, 28-29 Lines 31, 36-38 Lines 1-3 Lines 9-10, 32-35 Lines 37-38, 40, 42 Lines 1-3 Line 11 Lines 16-21, 30-39 Lines 17-18, 27-29, 33-36, 44-45 Lines 36-39 Lines 1-6	(c)	John Large Mike O'Neil John Large Mike O'Neil John Large Mike O'Neil
Staff's Official Workpaper (FPL)	146 147 148 153 162 172 173 185 186 187 187 188	Y	Lines 5-6 Line 12 Lines 13-16 Lines 31-32 Line 34 Lines 14-21 Lines 4-19 Lines 7-25 Line 18 Lines 11 Lines 24-29, 38-43 Lines 26, 31-34, 44-47, 54 Lines 1-4	(c)	John Large John Large Mike O'Neil John Large John Large Mike O'Neil Mike O'Neil John Large John Large John Large Mike O'Neil John Large Mike O'Neil John Large John Large

Description	Page Number	Conf. Y/N	Line/Column	366.093(3) F.S.	Affiant
Staff's Official	192		Lines 24, 26		John Large
Workpapers	194		Lines 36-43		John Large
(FPL)	195		Line 17	(c)	John Large
cont.	199		Lines 37-41	205	Mike O'Neil

### **EXHIBIT D**

## **AFFIDAVIT**

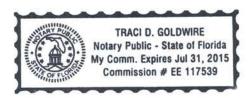
#### EXHIBIT D BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

Review of Physical Security Protection of Utility Substations and Control Centers
STATE OF FLORIDA )
COUNTY OF PALM BEACH  )  AFFIDAVIT OF MICHAEL C. O'NEIL )
<b>BEFORE ME,</b> the undersigned authority, personally appeared Michael C. O'Neil who, being first duly sworn, deposes and says:
1. My name is Michael C. O'Neil. I am currently employed by Florida Power & Light Company as Director, Power Delivery Compliance and Regulatory. My business address is 15430 Endeavor Dr. , Jupiter, Florida, 33478. I have personal knowledge of the matters stated in this affidavit.
2. I have reviewed Exhibit C and the documents that are included in Florida Power & Light Company's ("FPL") Request for Confidential Classification concerning information provided in response to the Review of Physical Security Protection of Utility Substations and Control Centers for which I am identified on Exhibit C as the affiant. The documents and materials that I have reviewed contain proprietary confidential business information, including information relating to security measures, systems, or procedures. The disclosure of this proprietary confidential business information would jeopardize the safe operation of FPL's electrical system. To the best of my knowledge, FPL has maintained the confidentiality of these documents and materials.
3. Consistent with the provisions of the Florida Administrative Code, such materials should remain confidential for a period of not less than eighteen (18) months. In addition, they should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business so that FPL can continue to maintain the confidentiality of these documents.  4. Affiant says nothing further  Michael C. O'Neil
SWORN TO AND SUBSCRIBED before me this 24th day of November 2014, by Michael C. O'Neil who is personally known to me or who has produced personally known (type of identification) as identification and who did take an oath.
My Commission Expires:  Saci D. Ilduvil  Notary Public, State of Florida



## EXHIBIT D BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

Review of Physical Security Protection of Utility Substations and Control Centers
STATE OF FLORIDA )  AFFIDAVIT OF JOHN LARGE
COUNTY OF PALM BEACH )
<b>BEFORE ME,</b> the undersigned authority, personally appeared John Large who, being first duly sworn, deposes and says:
1. My name is John Large. I am currently employed by Florida Power & Light Company as Sr. Manager of Corporate Security. My business address is 700 Universe Blvd., Juno Beach, Florida, 33408. I have personal knowledge of the matters stated in this affidavit.
2. I have reviewed Exhibit C and the documents that are included in Florida Power & Light Company's ("FPL") Request for Confidential Classification concerning information provided in response to the Review of Physical Security Protection of Utility Substations and Control Centers for which I am identified on Exhibit C as the affiant. The documents and materials that I have reviewed contain proprietary confidential business information, including information relating to security measures, systems, or procedures. The disclosure of this proprietary confidential business information would jeopardize the safe operation of FPL's electrical system. To the best of my knowledge, FPL has maintained the confidentiality of these documents and materials.
3. Consistent with the provisions of the Florida Administrative Code, such materials should remain confidential for a period of not less than eighteen (18) months. In addition, they should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business so that FPL can continue to maintain the confidentiality of these documents.
4. Affiant says nothing further.  John Large
SWORN TO AND SUBSCRIBED before me this day of November 2014, by John
Large who is personally known to me or who has produced pusonally known (type of
identification) as identification and who did take an oath.



My Commission Expires: