

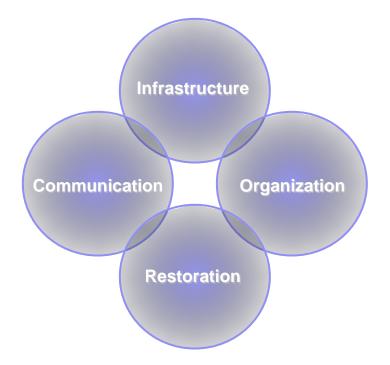
Informal Meeting with FPSC Staff 2016 Hurricane Season Preparation

March 30, 2016

Preparations

FPL's Hurricane Preparedness Plan

- Continue to strengthen the infrastructure
- Prepare the storm organization
- Refine the restoration plan
- Communicate Communicate





Distribution Hardening



- Complete CIF/Community Projects
- Initiate "Wind Zone" and "Geographic" hardening
- Initiate lateral hardening





Transmission Hardening

- CPOC replacement and storm surge/flood initiatives complete
- Continue to replace all wood structures





nfrastructure

ommunicatio

Organization

Distribution Pole Inspections

- 1.2 million FPL poles
- Inspect 150,000 poles annually
- Complete follow-up work





Infrastructure

Restoration

communication

Organization



Transmission Pole Inspections

Communication Organization Restoration

- 65,000 structures
- Visually inspect 100% annually; complete climbing/bucket truck cycle inspections and follow-up work
- Inspect key facilities (500kV/CIF) before storm season





Distribution Vegetation Management

- Trim 15,000 miles annually
 - Feeders (3-year average cycle)
 - > Laterals (6-year average cycle)
 - Mid-cycle trimming
- Trim CIF before storm season
- Encourage "Right Tree Right Place"

7







Transmission Vegetation Management

• Inspect / clear 100% of ROW annually

8







Prepare the Storm Organization

Annual Preparations

Identify/staff storm roles

• Train

- > 4 regional staging site exercises
- Annual company-wide "dry run" event
- Forensic teams ready



9







Infrastructure

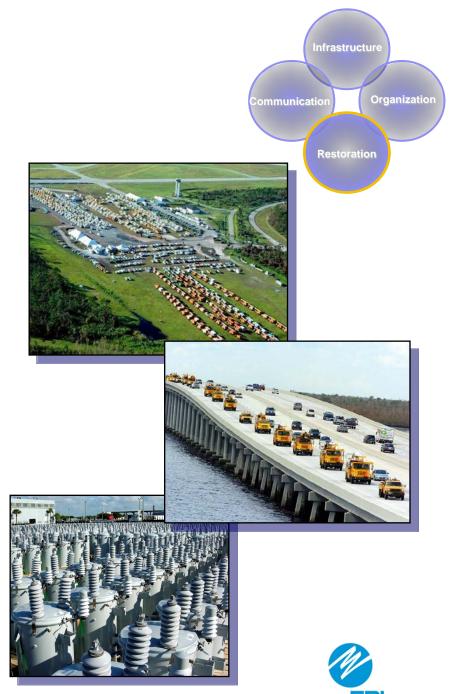
Restoration

communication

Organization

Refine the Restoration Plan

- Safely restore in shortest time
 - How we restore and prioritize restoration



How We Restore Power

Guiding principle – Safely restore power to the largest number of customers as quickly as possible.

- First Repair damaged power plants, transmission lines and substations;
- Simultaneously, restore power to CIF (e.g., hospitals, police/fire stations);
- Also, restore service to the largest number of customers in the shortest amount of time, including key community needs (e.g., grocery stores, pharmacies, gas stations); and
- Once larger/key repairs have been made, restore service to smaller groups /neighborhoods, converging on the hardest hit area(s), until all customers are restored.

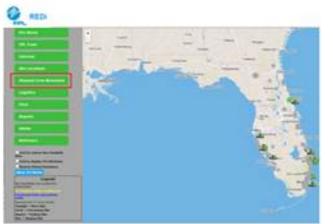


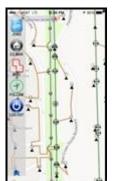
Refine the Restoration Plan



- Resource plans in place
 - Logistics
 - Mutual assistance/contract crews
 - Increased inventory levels
 - Increased use of new technologies for mobile damage assessment and situational awareness.











Enhance Communications

Communication Organization

Restoration

Infrastructure

 Annual FPL / County EOC meetings

Governmental & community communications

FPL.	My Home My Business Env	vironment Community About		
Welcome	Government Update			
Statewide Information News Releases Customer Outages Estimated Times of		Creating a powerful connection between o business and the community		
Restoration (ETR) Restoration (ETR) Transformer Outage Map(s) More Information Government Update Home	information on F periodically upd	This site provides government officials with the latest information on FPL event-related activities. We will periodically update this site with the latest information regarding current tropical conditions.		
Quick Links	County Information	your county V Go		
Power Outage Report Hazardous Conditions Contact Us	Select your county from the dropdown list above to receive the latest information pertaining to your county			
	O News Releases	Isst update:		
	Latest emergency activities information that FPL is communicating to the media			
	2 Customer Outages	> last update:		
	Summary of customer outage information by area.			
	D Estimated Times Of Restoration (ETR)	Iast update:		
	Estimated service restoration dates by area.			
	O Resources	Iast update:		
	Information regarding FPL resources and positioning.			
	C Transformer Outage Map(s)	> last update;		
	Map(s) reflecting FPL transformer outages.			
		Iast update:		





Assistance Provided to Other Utilities

• None in 2015



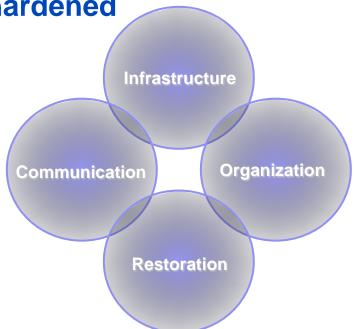
Potential Issues with a 2016 Storm

• Facilities impacted not yet storm-hardened

• Multiple storms

Catastrophic storms

• Resources unavailable

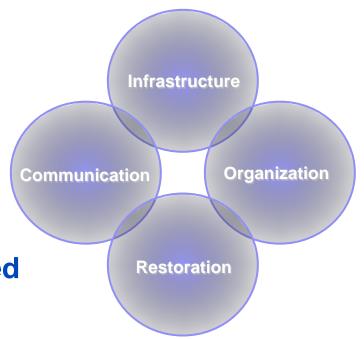




Hurricane Preparedness Plan

Summary

- Infrastructure strengthened
 - Hardening; Pole inspections; Vegetation management
- Organization prepared
 > Trained / ready
- Restoration plan tested & refined
 - Lessons learned; Technology; Forensics
- Communications improved/ready





Hardening and Storm Preparedness Progress / Plans

2015 163,099 133,243 18,436 151,679 9,116	SS/PLANS 2014-2015 ⁽¹⁾ 1,160,848 ⁽²⁾ 266,815 31,189 298,004 18,788	2016 Plan 1,168,532 133,363 11,887 145,250
163,099 133,243 18,436 151,679 9,116	1,160,848 ⁽²⁾ 266,815 31,189 298,004	1,168,532 133,363 11,887
163,099 133,243 18,436 151,679 9,116	1,160,848 ⁽²⁾ 266,815 31,189 298,004	1,168,532 133,363 11,887
133,243 18,436 151,679 9,116	31,189 298,004	11,887
151,679 9,116	298,004	
9,116		145,250
	18,788	
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1,888	16,665	TBI
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100%		100%
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		inpleted in 2018
2015		2016 Plar
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4,209	13,095	4,42
		7,10
7,218	21.562	
7,218	21,562 22,722	
22,722	22,722	22,72
22,722 3,817	22,722 11,626	22,72 3,80
22,722	22,722	22,722 3,800 15,32 TBI
	2015 11,550 1,888 0 0 0 2015 13,554 ⁽⁷⁾	100% 100% 2,294 10,294 1,888 16,665 53,005 49,667 100% ⁽³⁾ 2nd 6-year cy 2015 2006-2015 43 421 16 126 5 5 16 270 6 12 0 2015 2006-2015 11,550 26,147 1,888 16,665 0 5,621 0 222 ⁽⁶⁾ Con Current 2015 <u>Cycle</u> 13,554 ⁽⁷⁾ 13,554 ⁽⁷⁾

