

Tampa Electric Company

2011 Hurricane Season Preparation

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Hurricane Preparedness Briefing

- System Infrastructure
- Restoration & Coordination
- Areas of Concern
- Improvements to Overall System



System Infrastructure

- Transmission
 - Inspections conducted on one, six and eight year cycles
 - Standard is non-wood construction
 - Extreme wind for all transmission circuits
 - Stronger wind standard for all 230 kV circuits
 - 133 mph design

System Infrastructure

- Distribution
 - NESC Grade B construction
 - Underground: Stainless steel
 - Comprehensive joint use pole attachment strategy
 - Loading analysis
 - Make-ready

System Infrastructure

- Substation
 - Modifications to control cabinets (elevation)
 - Identifying alternate sources within flood prone areas
 - Upgrade from mechanical control equipment to digital control equipment
 - Install new fences to limit debris impact

System Infrastructure

- Vegetation Management
 - Three-Year Plan
 - 2011: One-third of system – feeders and laterals
 - Reactive trimming
 - Over 225 tree trimmers
 - Work with local governments to maintain clearance standards

System Infrastructure

■ Storm Hardening Plans

2010- 2012 Plan Item	Status
Twelve Interstate Crossings Converted to UG	Complete
Conversion of 4 kV System	Complete
St. Joseph Hospital Source Hardening	Complete
Port of Tampa Phase I Hardening	Complete
Port of Tampa Phase II Hardening	Complete
Port of Tampa Phase III Hardening	Complete
Breakaway Service Connector Test Installation	Complete
Tampa International Airport	Complete

System Infrastructure

■ Storm Hardening Plans

2010-2012 Plan Item	Status
Grade B Construction Standard	Continue
Extreme Wind for Transmission	Continue
Extreme Wind + for 230 kV	Continue
Non-Wood Construction for Transmission	Continue
Inspection and Maintenance	Continue
Vegetation Management	Continue
Attachment Standards/Procedures	Continue

Restoration & Coordination

- Company Storm Restoration Plan reviewed
- Representatives for each city and county Emergency Operations Centers
- Personal preparation for all team members communicated
- Team member storm assignment reviewed and communicated
- Mock storm scheduled for May 17

Restoration & Coordination

- Forensics team/contract in place
- Incident bases reviewed and secured
- Material inventory and initial storm material list reviewed
- Southeastern Electric Exchange contact in place for mutual assistance
- Communication to public is prepared and ready

Areas of Concern

- Multiple storms within a season
- Resource availability
- Catastrophic storm

Improvements to Overall System

- Stronger transmission and distribution system
- Substation improvements in flood prone areas
- Hardened sources to critical facilities
- Vegetation management practices - system trimmed

In Summary

- Tampa Electric is ready for the 2011 storm season
 - Our system is ready
 - Our people are ready
 - All external relationships and contracts have been established and are ready

Questions?

