2016 Hurricane Season Preparedness Briefing

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Preparedness Agenda

• Annual Preparations
• Facility Inspections and Inventory
• Maintenance and Reliability
• Wood Pole Inspections
• Storm Hardening Projects
• Critical Infrastructure
• Coordination With Other Utilities, Government and Community Groups
• Storm Recovery Plans and Power Restoration Priorities
• Forensic Data Collection Plans
• Concerns and Questions
Annual Preparations

• Safety Emphasized As First Priority
• Customer Outreach Programs
  – Hurricane/Storm Brochures
  – Website Information
  – Bill Inserts
  – Public Service Announcements
• Update Emergency Procedures and Staff Prior to Storm Season (No Changes for 2016)
• Annual Company Hurricane Drill which includes electric, natural gas and propane operations (No Changes for 2016)
• Continue to discuss and improve the process
Facility Inspections and Inventory

• Transmission Inspections
  – Completed the six year inspection
  – Completed visual and infrared inspections

• Substation Inspections
  – Completed annual and infrared inspections

• Distribution Inspections
  – Completed visual and infrared inspections

• Warehouse Inventory
  – Completed Storm Inventory of Warehouse and Necessary Materials Ordered
Maintenance and Reliability

• Vegetation Management – Focused Efforts
  – Ongoing Three Year Cycle on Main Feeder Circuits
  – Ongoing Six Year Cycle on Lateral Circuits
  – Communications with customers regarding tree placement and safety – tree replacement not included
  – Cooperation with local governments to address tree conditions that could impact safety or reliability

• Vegetation Management – Additional Efforts
  – Danger Tree Removals
  – Annual Transmission Line Inspection for Hot Spots
  – Annual feeder inspection and trimming
Wood Pole Inspections

- Wood Pole Inspections
  - Completed the 8 Year Cycle
  - 26,151 poles on FPU System
  - All Poles Have Been Inspected
  - 7.9 % Failure Rate During program
  - Priority of Replacing “Worst Poles First”
    - Replaced a total of 1,806 since plan inception
    - Replacements represent 6.9% of total poles
    - Replaced 382 Poles in 2015
Storm Hardening Projects

- Converted Three Sections of Chipola College Campus From Overhead to Underground in 2015
- Relocate Facilities to Mt. Tabor Rd For Accessibility and Reliability During 2016
- Storm Harden a Section of Hwy 73 South of Laramore Rd to Solar Rd During 2016
- Began Design in 2015 to Storm Harden 69kV line to Rayonier and ½ mile to WestRock. Scheduled to be in Service mid 2016.
- All projects designed in accord with storm hardening criteria.
Critical Infrastructure

• Critical infrastructure improvements
  – Storm Harden Feeder to the Federal Prison and Marianna High School (Storm Shelter) during 2016
  – Began Design in 2015 to Storm Harden and Relocate a 69kV Substation at Coast Chips and replace a 7.5MVA Transformer. Scheduled to be in service mid 2016.
  – New Protective Devices installed on Select Feeders
Coordination with Other Utilities, Government and Community Groups

• Southeastern Electric Exchange (SEE)
  – Participate in Mutual Assistance Committee as well as other operating committees

• Public Utility Research Center (PURC)

• North American Electric Reliability Corp. (NERC)

• Florida Reliability Coordinating Council (FRCC)

• Southeastern Reliability Corp. (SERC)

• Calhoun, Jackson, Liberty, Nassau County EOC
Storm Recovery Plans

• Proactively Communicate With Staff Prior to Direct Impacting Storm
• Activate Emergency Response Control Room
• Information Provided to Customers Using Timed and Focused Media Messages
• Initiate Logistics Plan – Lodging, Meals, Fuel
• Request Restoration Assistance Through SEE Affiliations and Contractor Alliances
• Company Personnel Assigned to the Local EOC
• Direct Communication With Local Government Agencies
Power Restoration Priorities

- Main Electrical Systems
  - Generation
  - Transmission
  - Substations
  - Distribution Feeders

- Main Customer Facilities
  - Hospitals
  - Police, Fire and EOC
  - Storm Shelters and Elderly Care Facilities
  - Water and Sewer Plants
  - Food Retailers and Restaurants
Forensic Data Collection Plans

• Utilize Contractor Assistance to Collect Forensic Data

• Advance Notice of Storm
  – Alert FPU Forensic Data Collection Team Members
  – Inform Team Of Personnel, Mobilization, Safety Procedures & Reporting Requirements

• After Storm Passes
  – Collect Forensic Data

• Forensic Analysis
  – Due to minimal storm impact, collection of forensic data has not occurred
Concerns

• Small Company With Limited Resources
  – Manpower
  – Inventory
  – Logistics
  – Forensic Contractor Availability

• Direct Impact of Category 4 or 5 Storm

• Multiple Storms Impacting Area During a Season

• Single Storm Impacting Multiple Companies
Questions ?