2013 Hurricane Season Preparedness Briefing

April 3, 2013
Preparedness Agenda

• FPU Information
• Wood Pole & Facility Inspections
• Maintenance and Reliability
• Storm Hardening Projects
• Critical Infrastructure
• Coordination With Other Utilities, Government and Community Groups
• Annual Preparations & Storm Recovery Plans
• Forensic Data Collection Plans
• Concerns
• Questions
Florida Public Utilities Company
Information

• Subsidiary of Chesapeake Utilities Corporation with headquarters in Dover, Delaware

• Investor Owned Natural Gas, Electric and Propane Gas Utility

• Electric Operations in Nassau, Jackson, Calhoun and Liberty Counties

• Customer Base
  – Approximately 29,000 Electric Customers
  – Approximately 122,000 Natural Gas Customers
  – Approximately 49,000 Propane Customers
FLORIDA ENERGY PRESENCE

- Holmes County
- Jackson County
- Gadsden County
- Suwannee County
- Union County
- Nassau County
- Amelia Island
- Duval County
- Clay County
- St. Johns County
- Flagler County
- Volusia County
- Lake County
- Seminole County
- Orange County
- Osceola County
- Brevard County
- Indian River County
- St. Lucie County
- Martin County
- Palm Beach County
- Broward County

- Natural Gas
- Propane
- Electric
- Natural Gas and Electric
- Natural Gas and Propane
- Propane and Electric
Wood Pole Inspections

• Wood Pole Inspections
  – Completed the 5th Year of an 8 Year Cycle
  – 26,151 poles on FPU System
  – 66.3% of All Poles Have Been Inspected
  – 7.3% Failure Rate During program
  – Priority of Replacing “Worst Poles First”
    • Replaced a total of 753 since plan inception
    • Replacements represent 2.9% of total poles
    • Replaced 215 Poles in 2011
    • Replaced 242 Poles in 2012
Facility Inspections

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

• Substation Inspections
  – Completed annual and infrared inspections
  – Addressed major deficiencies at AIP substation

• Distribution Inspections
  – Completed visual and infrared inspections
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
Maintenance and Reliability

• Additional Projects
  – Six Year Transmission Climbing Inspection – identified 31 - 69 KV transmission wood poles to be replaced with concrete
  – Completed Rebuild of AIP Substation Metal Clad Switchgear identified in inspection
  – Continue UG Cable Replacement on Amelia Island
  – Re-insulation of Feeder Along Coastal Roadway
  – Completed Replacement Porcelain Terminators
Storm Hardening Projects

✔ Completed Storm Hardening and Relocation of Highway 90 West Feeder in Marianna. Feeder Relocated to the Highway from Nolen Street to St. Clair Street.

✔ Completed Storm Hardening and Relocation of 14th Street Feeder in Fernandina Beach. Feeder Relocated due to DOT project along 14th Street from Hickory Street to Atlantic Ave.

✔ Completed Engineering and Purchase Materials for Replacement of 31 wood transmission poles with concrete poles.

* All projects designed in accord with storm hardening criteria.
Critical Infrastructure

- Critical infrastructure improvements
  - Began Storm Hardening of feeders to Baptist Hospital Nassau
  - Began Construction of Additional UG Distribution Feeder to South End of Amelia Island
  - Replacement of 69 KV transmission wood poles with concrete poles
  - Construction of FPU Operations Center
  - Increase Generation Capabilities on Amelia Island
Coordination with Other Utilities, Government and Community Groups

- **Southeastern Electric Exchange (SEE)**
  - Participate in Mutual Assistance Committee as well as other operating committees
  - FPU Crews Provided Restoration Assistance to Five (5) Utilities during 2012

- **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**
Annual Preparations

• Safety Emphasized As First Priority

• Customer Outreach Programs
  – Hurricane/Storm Brochures
  – Website Information
  – Bill Inserts
  – Radio Spot Broadcast

• Update Emergency Procedures and Staff Prior to Storm Season

• Annual Company Hurricane Drill which includes electric, natural gas and propane operations

• Continue to discuss and improve the process
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
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

• Direct Impact of Category 4 or 5 Storm

• Multiple Storms Impacting Area During a Season

• Single Storm Impacting Multiple Companies
Comments and Questions ?