



ELECTRIC : *energy for life*

# 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





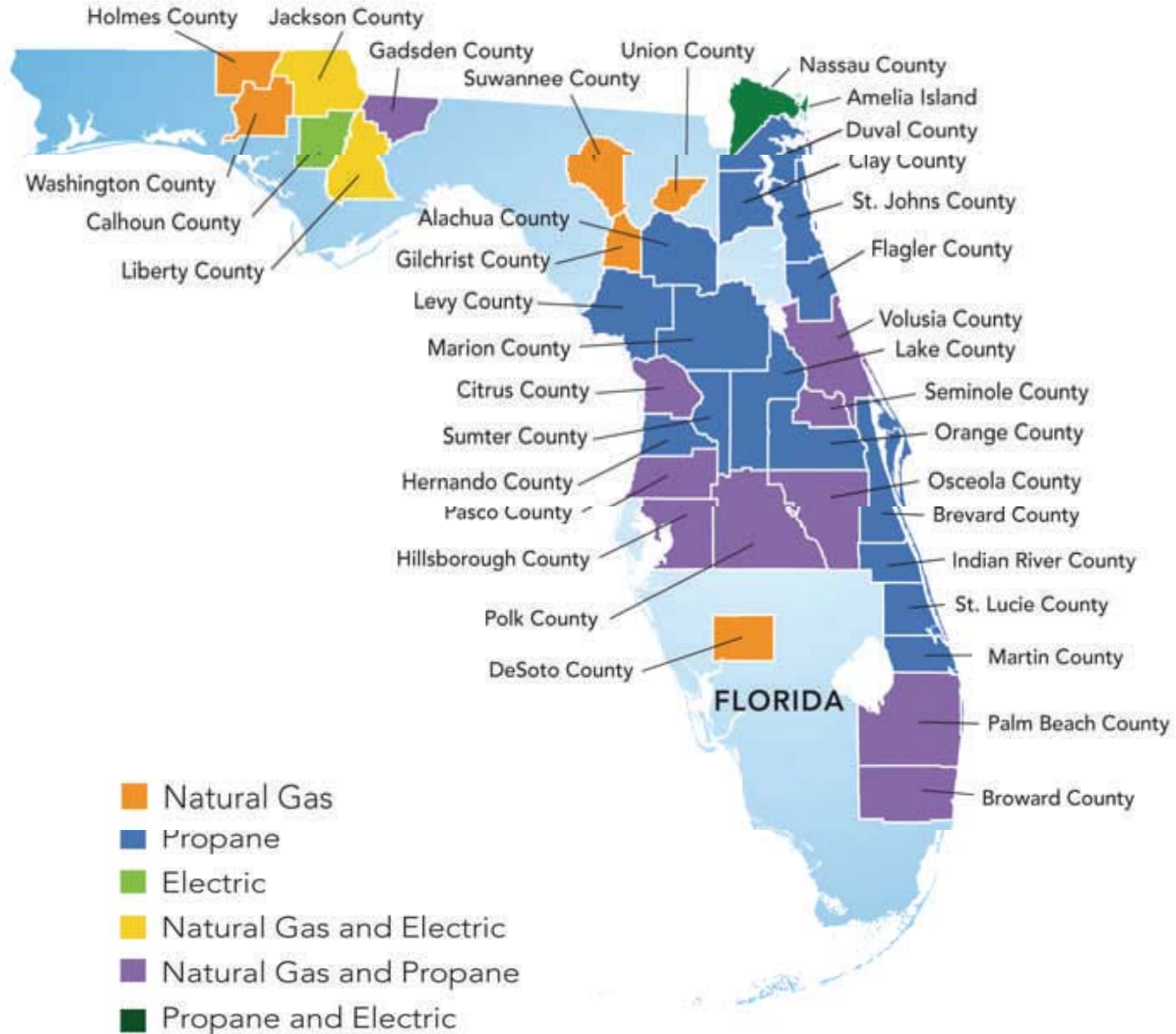
# Florida Public Utilities Company Information

- 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





# 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 14<sup>th</sup> Street Feeder in Fernandina Beach. Feeder Relocated due to DOT project along 14<sup>th</sup> 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 ?

