2012 Hurricane Season Preparation Briefing

Florida Public Service Commission
May 9, 2012

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Today’s Presentation

- System Overview
- Experience
- Preparation
- Emergency Operations
- Emergency Response
- Other Features
System Overview

- Customers: 113,000
- Service Area: 221 sq. mi.
- Transmission & Distribution Resources
  - Transmission (115/230 kv): 188 miles
  - Distribution: 2,800 miles (1,700 U/G)
  - 24 substations (12/115/230 kv)
System Overview (Continued)

• 3 Power Plants in 2 Counties
  – Purdom – 290 MW
    • St. Marks Florida (5.5 miles from coast)
    • Black Start Capable
  – Hopkins Plant – 503 MW
    • Black Start Capable
  – Corn Hydroelectric – 11 MW
    • Flood Control on Ochlockonee River
Storm Experience
Direct and Mutual Aid (MA)

• Experienced Workforce
  – 9 Direct
  – 5 Mutual Aid (MA), assisting others

• Storms
  – Kate – 1985 (Direct with > 300 MA Support)
  – Andrew – 1992 (MA > 2 months to Homestead)
  – Opal – 1995 (Direct)
  – Winter Storm – 2000 (MA to GPC)
Storm Experience (Continued)

- Helene – 2000 (Direct)
- Allison – 2001 (Direct)
- Winter Storm – 2003 (Direct)
- Jeanne – 2004 (Direct and MA to Lakeland, GRU, OUC)
- Frances – 2004 (Direct)
- Ivan – 2004 (Direct)
- Dennis – 2005 (Direct)
- Rita – 2005 (MA to Lafayette and SLEMCO)
- Wilma – 2005 (MA to Homestead & FPL)
Preparation

• Construction Standards
  – NESC
  – Extreme Wind Loading Standards
  – Front lot line
  – 95% of new distribution construction underground
  – All new transmission poles, or scheduled replacements, are steel or concrete
Preparation (Continued)

• Vegetation Management Program
  – Distribution –
    • 18 month trim cycle
    • Tree Growth Regulator
  – Transmission –
    • 3 year minimum trim cycle
    • Right of Way mowed at least annually
Preparation (Continued)

- Pole Inspection Program
  - 3 year process conducted every 8 years
- Transmission Inspection Program
  - Physical climbing inspection at least every 5 years
- Transmission Infrared/Flying Inspections
  - Biannually or as required
- Increased Material Inventory
Emergency Operations

• Integration into City of Tallahassee Incident Management Plan
  – National Incident Management System (NIMS)
  – Incident Command System (ICS)
  – Utilize Area Command Concept for Operations
  – Electric Utility liaisons at City Area Operations Center (AOC)
  – Restoration managed through Electric Utility Control Center
Emergency Operations (Continued)

- Equipment and crew preparation ongoing as storm approaches
- Storm assignments and location depend on anticipated severity
- Integration of Outage Management System (OMS) and GIS
- Established restoration priorities
Emergency Response

- Pre-staged road clearing task forces
  - Police, Fire, Electric and Public Works
- Assessment Teams
  - Engineering staff and support
- Continual communication between City Area Operations Center and Electric Utility Control Center
Emergency Response (Continued)

• Mutual Aid Agreements
  – Florida Municipal Electric Association
    • Florida Municipal Utilities
  – American Public Power Association
    • National Municipal Utilities
  – Florida Electric Coordinating Group
    • Florida Municipal, IOU and Cooperative Utilities
Emergency Response (Continued)

• Back-up Control Center
• Back-up Call Center location
• Sheriff helicopter access
• Key Electric Utility Staff Trained to ICS 100, 200, 700 and 800.
• Outage Management System displays at City Area Operations Center
Other Features

• Logistics support through City Area Operations Center
• Public Information – Standard media, Internet, University Paging and City TV
• Radio communications capability with Public Safety
• Continuity of Operation Plan