

2012 Hurricane Season Preparation Briefing

Florida Public Service Commission

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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

