2013 STORM PREPAREDNESS

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Preparedness Activities

• Distribution and Transmission
  – Facility Inspections
  – Maintenance and Repairs
  – Coordination Efforts
  – Storm Hardening Measures
  – Post Storm Recovery Plans
  – Forensic Data Collection
  – Drills, Exercises, and Trainings
  – Hurricane Sandy Response
  – Concerns and Off System Assistance
Distribution Inspections – Subsequent Maintenance/Repairs

• Vegetation Management
  – Mainline Annual Trim Schedule (MATS)
    • Feeder maintenance – on 1/3 of the mainlines (3 year cycle)
    • On schedule to complete all planned 240 miles by June 1st
  – Mainline Inspection and Correction Schedule (MICS)
    • Inspect and correct vegetation hazards on the other 2/3 of the mainlines annually
    • On schedule to complete all planned 479 miles by June 1st
  – Scheduled Annual Lateral Trimming (SALT)
    • Lateral maintenance of ¼ of the lateral miles (4 year cycle)
    • 1,294 miles will be completed by year end
Distribution Inspections – Subsequent Maintenance/Repairs

• Pole Inspections
  – Completed 6th year of the 8 year inspection cycle in 2012
    • 685 poles identified as rejects scheduled for replacement in 2013
    • 466 poles have already been worked
  – Gulf has 208,171 poles
  – 4,049 poles have been replaced since 2007

• Infrared Inspections
  – Critical pieces of equipment are evaluated
  – Inspections were completed on March 15, 2013
  – Items were identified and prioritized for repairs
    • 100% projected to be completed by June 1st
Distribution
Storm Hardening Measures

• Vegetation Management
• Pole Inspections
• Extreme Wind Loading Projects
  – Focus continues on critical multi-feeder poles and facilities near commercial hubs
  – 2012: Long Beach and Hathaway Substations in Panama City
  – Future: Double circuit line in Destin and major overpass in Gulf Breeze

• Grade B Construction
  – Normal construction design for both new installations and upgrade/maintenance initiatives
Distribution
Forensic Data Collection

• Contracted data collection to Osmose
  – Data collected in predetermined areas and for all EWL projects
  – Uses hand held computers loaded with Gulf’s infrastructure data base to collect data on damaged facilities
    – Will not slow down the restoration efforts
• Data will be supplied to KEMA for analysis
• On-going refresher training
• Debby and Isaac did not warrant data collection
Coordination Efforts

- **Communications with local EOCs**
  - 13 Gulf Power employees are assigned to EOCs throughout Florida
  - Company news releases delivered to the EOCs at least twice daily during a storm event
  - Participation in county and state drills

- **Outreach programs**
  - Web page
  - Customer newsletters
  - BRACE
  - Civic presentations
Coordination Efforts

• Third Party Attacher Meetings
  – Conducted March 6th in Panama City and March 8th in Pensacola
    • Operational Issues
    • Work Notifications
    • Maintenance Programs
    • Exchange contact information and update work areas
  – Forestry Services
    • Communications with members of the community and government officials concerning vegetation management projects, right of way maintenance, new construction projects, and company construction projects
    • Seven certified arborists on staff
Transmission Inspections – Subsequent Maintenance/Repairs

• Vegetation Management
  – 230kV R/W Vegetation and Correction
    • Ground inspection patrols and correction of any vegetation hazards identified will be completed by June 1st (464 miles)
  – 115kV R/W Vegetation and Correction
    • Ground inspection patrols in progress (1013 miles)
    • Vegetation hazards identified will be corrected by year end
  – 46kV R/W Vegetation and Correction
    • Ground inspection patrols in progress (101 miles)
    • Vegetation hazards identified will be corrected by year end
Transmission Inspections – Subsequent Maintenance/Repairs

• Pole Inspections
  – Wood and Concrete Poles/Structures
    • Ground line – 12 year cycle
    • Comprehensive walking/climbing – 12 year cycle
      – Poles are visited every 6 years as programs run simultaneously
  – Metal Structures
    • Ground line – 18 year cycle
    • Ground line inspection cycle 18 year
    • Comprehensive walking/climbing or helicopter – 18 year cycle
      – Poles are visited every 6 years as programs run simultaneously
  – Aerial Patrols
    • Four patrols conducted annually
Transmission
Storm Hardening Measures

• Installation of guys on H-frame structures
  – Completed the program last year

• Replacement of wooden cross arms with steel arms
  – Cross arm replacements are on schedule to be completed by year end
  – Year 6 of the 10 year program
Post Storm Recovery Plans

- 2013 Storm Procedures are being updated
- Plans apply to any natural disaster
- Contracts and arrangements are in place for food, accommodations, staging sites, and transportation needs
- Material and fuel inventory levels are increased during storm season
- Mutual Assistance
  - Southeastern Electric Exchange (Logistics subcommittee)
  - Southern Company affiliate
Drills – Training - Modifications

• Annual storm drill scheduled for May 3rd
  – Tornado drill last year
  – Customer and EOC perspective this year

• Ongoing refresher training

• Every employee has a storm assignment

• New Employee Orientation

• Modifications to our check in site process
Gulf Power Response to Hurricane Sandy

- **First Energy (West Virginia)**
  - 14 Evaluators for 12 days
- **PECO (Pennsylvania) and PSE&G (New Jersey)**
  - 70 line and support personnel for 17 days
- **Gulf Contractors**
  - 52 distribution (PECO – First Energy – ConEd – PEPCO)
  - 35 transmission (First Energy – PEPCO – ConEd – CL&P)

- **Lessons Learned**
  - Help with declarations and tolls
Gulf Power Response to Hurricane Sandy

Evaluator Patrols in West Virginia

Line Crews in Pennsylvania
Areas of Concern

- Multiple events
  - People
  - Materials
- Decline in available resources
- Social Media Awareness
Summary

• Gulf Power Company is fully prepared
  – Transmission and Distribution storm hardening initiatives
  – Communications within the communities we serve with government officials, third party attachers, and our customers
  – Past experiences both on and off system

Questions