



# POWER DELIVERY

## 2013 STORM PREPAREDNESS

*P*ersonal  
*R*esponsibility  
*I*nitiative  
*D*esign  
*E*xcellence

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# Preparedness Activities

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*

- 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 1<sup>st</sup>
  - 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 1<sup>st</sup>
  - Scheduled Annual Lateral Trimming (SALT)
    - Lateral maintenance of  $\frac{1}{4}$  of the lateral miles (4 year cycle)
    - 1,294 miles will be completed by year end

# Distribution Inspections – Subsequent Maintenance/Repairs

*PRIDE IN THE SYSTEM*

- Pole Inspections
  - Completed 6<sup>th</sup> 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

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*

- Third Party Attacher Meetings
  - Conducted March 6<sup>th</sup> in Panama City and March 8<sup>th</sup> 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

*PRIDE IN THE SYSTEM*

- Vegetation Management
  - 230kV R/W Vegetation and Correction
    - Ground inspection patrols and correction of any vegetation hazards identified will be completed by June 1<sup>st</sup> (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

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*

- Annual storm drill scheduled for May 3<sup>rd</sup>
  - 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

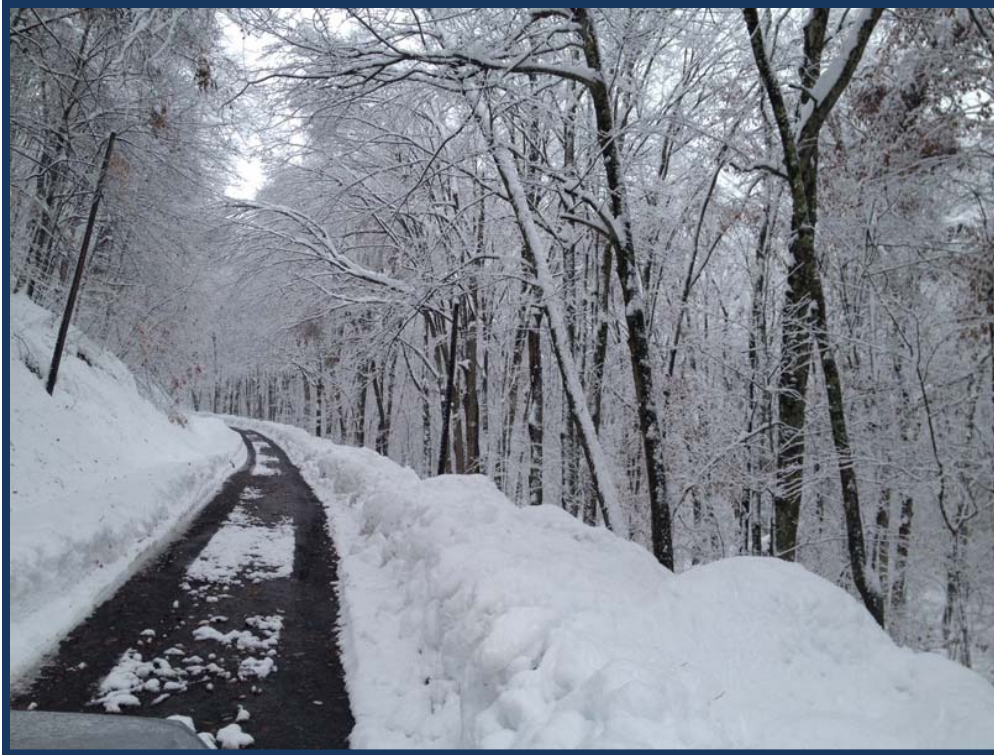
# Gulf Power Response to Hurricane Sandy

*PRIDE IN THE SYSTEM*

- 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

*PRIDE IN THE SYSTEM*



Evaluator Patrols in West Virginia



Line Crews in Pennsylvania

# Areas of Concern

*PRIDE IN THE SYSTEM*

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



# Summary

*PRIDE IN THE SYSTEM*

- 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