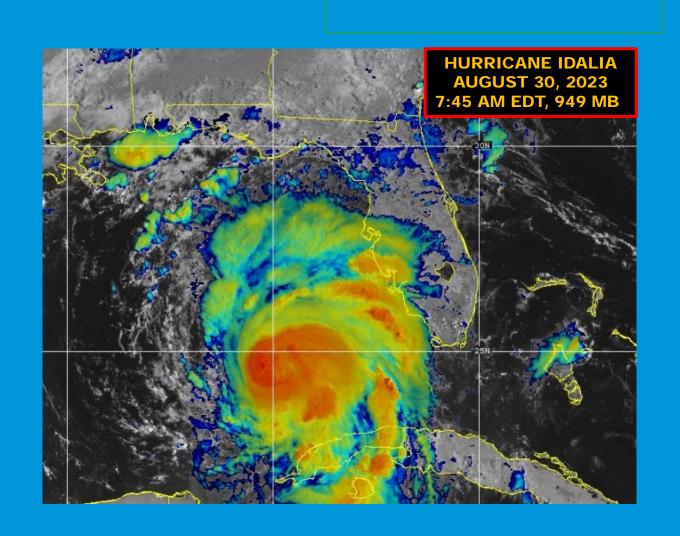


FPSC Hurricane Preparedness Workshop

Armando Pimentel President and CEO May 21, 2024



FPL serves more than half of Florida's population

5.9 million customers

43 counties served

35,550 square miles

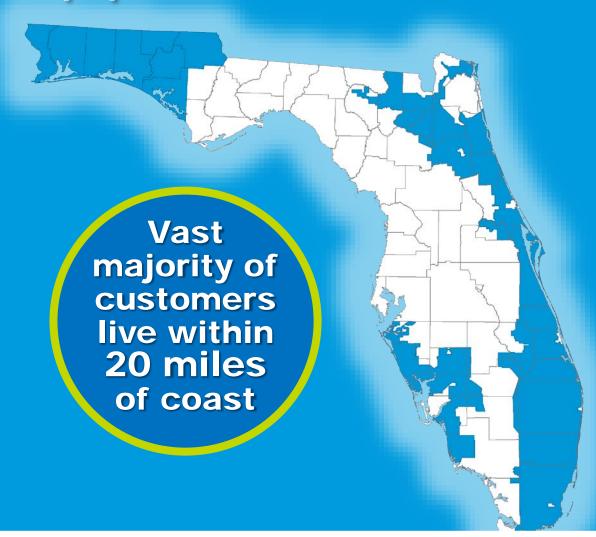
80,422 miles of distribution lines

9,487 miles of transmission lines

1.4 million poles

1.1 million transformers

883 substations





Topics for Discussion

- Storm Preparation and Restoration Processes
- Customer/Stakeholder Outreach and Communication
- Vegetation Management
- Pole / Structure Inspections
- 2023 Storm Season and Mutual Aid



Storm Preparation and Restoration Processes

- > FPL prepares year-round for storm season
 - Corporate-wide storm dry-run: week of May 6-10
 - Engage key partners at both the local and national level
 - Pressure test technology improvements and evaluate storm damage forecasting/planning/restoration processes
 - Incorporate lessons learned from previous storms
 - Conduct incident management training workshops for all critical storm response roles
- We work with our fellow utilities in Florida and across the country
 - Southeastern Electric Exchange (SEE)
 - Edison Electric Institute (EEI)
 - Florida Electric Power Coordinating Group, Inc. (FCG)
 - Association of Edison Illuminating Companies (AEIC)
 - Pre-negotiate contracts with restoration vendors





Customer/Stakeholder Outreach and Communication

Use traditional and digital channels/methods to communicate key messages to customers and stakeholders – before, during, and after a storm

- News releases and news conferences
- Media interviews in hardest-hit areas
- Social media and targeted advertisements
- Regular updates on the website and FPL app
- Customer emails, phone calls and text messages
- Storm-specific Customer Care Center messaging
- Send Community Action Teams to the hardest-hit areas

Key messages may include:

- Restoration progress and Estimated Times of Restoration (ETR)
- Relevant safety messages
- How customers can stay informed



Customer/Stakeholder Outreach and Communication

- Provide daily emails/updates to Government Portal website (where applicable) includes localized outage/restoration info
- Conducting annual storm preparedness meetings with county EOCs
 - Establishing 2024 plans for support at county EOCs, including staffing of embedded FPL employees at EOCs during events
 - Updating the Critical Infrastructure Facility and priority list
- Continuing customer outreach meetings/presentations
 - More than 1,000 presentations annually
 - Presentations cover various topics (e.g., storm readiness and Right Tree Right Place)
- FPL provides information on how to safely operate private generation systems (generators and private solar systems) after a power outage



FPL's Storm Protection Plan (SPP) improves resiliency across our entire transmission and distribution grid

- > FPL has been hardening its system for two decades
- ► The SPP Statute was approved in 2019, and requires utilities to develop and implement hardening plans to reduce restoration costs and outage times
- > FPL's FPSC-approved SPP includes the following eight programs:
 - Distribution Inspection Program
 - Transmission Inspection Program
 - Distribution Feeder Hardening Program
 - Distribution Lateral Hardening Program
 - Transmission Hardening Program
 - Distribution Vegetation Management Program
 - Transmission Vegetation Management Program
 - Substation Storm Surge/Flood Mitigation Program



Vegetation Management

Distribution

- Feeders: 3-year avg. cycle (+ mid-cycle maintenance)
- Laterals: 6-year avg. cycles
- Miles maintained (2023)
 - Feeders: 13,095 miles (4,452 cycle; 8,643 mid-cycle)
 - ▶ Laterals: 3,944 miles
- Before peak of storm season inspect/maintain
 Critical Infrastructure Facilities (CIFs)

Transmission

- Inspect and Protect Program
 - Inspect right-of-way at least two times per year
 - Maintain clearances (2023): 9,370 miles
 - Meet mandatory NERC-established requirements
- ▶ Before peak of storm season perform aerial patrols







Pole/Structure Inspections

▶ 1.4 million distribution poles

- 8-year inspection cycle
- ► In 2023 180,261 total poles inspected
 - Wood: 157,028 poles
 - ► Concrete: 23,233 poles

83,295 transmission structures

- 100% annual visual inspection
- Detailed inspection cycles:
 - Wood: 6-year cycle
 - Concrete/steel: 10-year cycle
- ~96% of FPL"s transmission structures have been hardened







2023 Storm Season and Mutual Aid

- One hurricane affected FPL in 2023
 - ► Hurricane Idalia Aug. 30, 2023
- Mutual assistance provided in 2023
 - March Severe Weather
 - West Virginia AEP
 - Kentucky LGE-KU
 - Texas Oncor
 - July & August Severe Weather
 - Georgia
 - Georgia Power
 - Sawnee Electric Membership Corp
 - September Hurricane Idalia
 - Suwannee Valley Electric Co-op
 - Tri-County Electric Co-op







Hurricane Idalia by the Numbers

- Category 3 storm
- Aug. 30 landfall in Big Bend Region
- ~200K customers impacted
- Restoration workforce: 12,000 men and women
 - From Florida and 16 states
- All customers essentially restored within 2 days
 - Nearly 70,000 outages avoided through smart grid technology













Pre-securing Vault Doors

Drone Deployment
Further refined deployment process

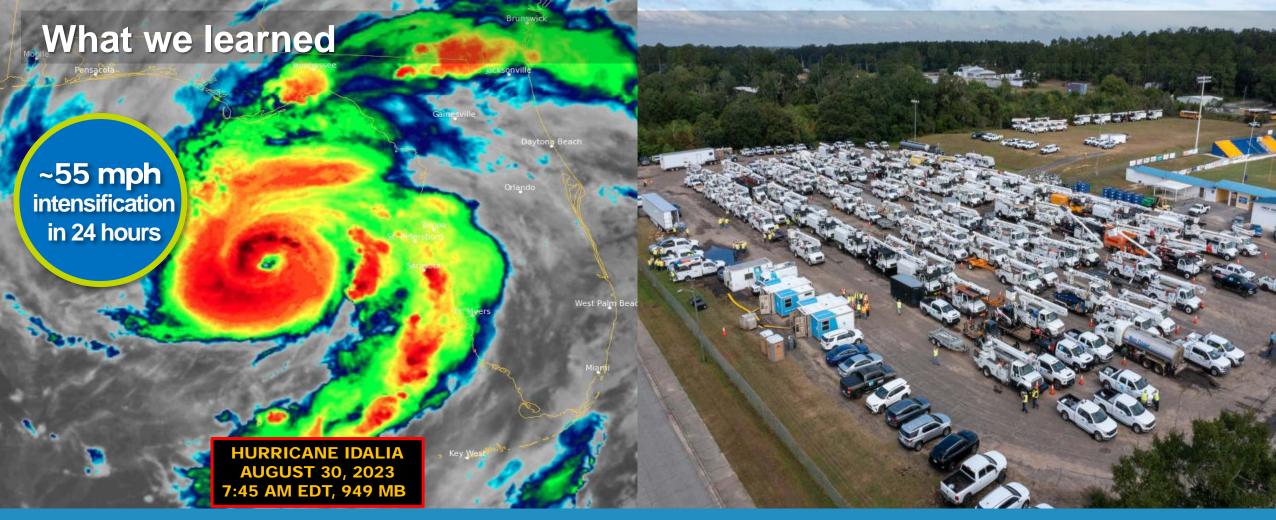


Resource Mutual Aid IOU/ Muni & Co-op collaboration

Night Work
Overnight execution efficiency

Mobile Sleepers
Primary lodging for crews





Rapid Intensification
Very difficult to accurately predict

External Crew Processing Efficiency
Internal process review to help eliminate bottlenecks







