FPL Power Delivery (Transmission and Distribution)

- 3,000 employees
- 79,000 miles of power lines
- 1.3 million poles and structures
- 645 substations

Serving more than half of Florida.

Vast majority of customers live within 20 miles of coast.
Topics for Discussion

► Storm Preparation and Restoration Processes
► Customer/Stakeholder Outreach and Communication
► Vegetation Management
► Pole Inspections
► Lessons Learned
► Restoration Process Changes Resulting from Pandemic
Topics for Discussion

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Storm Preparation and Restoration Processes

► Annual Drills
  ► Corporate-wide dry-run – week of June 22 – 26
  ► Incorporate pandemic-related lessons and industry guidelines into storm processes
  ► Implementing technology improvements to enhance storm damage forecasting/restoration processes
  ► Conducted incident management training workshops

► Mutual Aid Organizations/Agreements
  ► 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
Storm Preparation and Restoration Processes

- Actions taken to address potential roadway congestion, motor fuel availability and lodging for restoration personnel
  - Continue coordination with FDOT and FHP
  - Increase fuel inventories prior to storm season
  - Utilize all forms of lodging including hotels, mobile sleepers and tents

- Availability and inventory of equipment needed for restoration
  - Increase materials inventories/pre-stage materials prior to storm season
Topics for Discussion

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Customer/Stakeholder Outreach and Communication

- Use multiple channels/methods for customer communications – before, during and after storm
  - News releases and daily press conferences
  - Targeted ads and customer emails
  - Media interviews and opportunities in hardest hit areas

- Use digital/face-to-face communications
  - Social media for prep and safety messages, as well as restoration updates
  - FPL App available from the App Store or Google Play
  - Community response kiosks in hardest hit areas

- Provide daily e-mails/hourly updates to Gov’t. Portal Website – includes localized outage/restoration info
Customer/Stakeholder Outreach and Communication

- Have conducted annual storm preparedness meetings with all EOCs

- Continuing customer outreach meetings/presentations
  - 900-1,000 presentations annually
  - Presentations cover various topics (e.g., storm readiness, reliability, RTRP)

- Meet with third-party attachers, joint use partners, and local governments

- FPL provides information on how to safely operate private generation systems (generators and private solar systems) after a power outage
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Vegetation Management

► **Distribution**
  ► Feeders: 3-year avg. cycle (+ mid-cycle trimming)
  ► Laterals: 6-year avg. cycle
  ► Miles trimmed (2019)
    ► Feeders: 11,454 (4,256 cycle; 7,198 mid-cycle)
    ► Laterals: 3,822 miles
  ► Before peak of storm season – inspect/trim CIFs

► **Transmission**
  ► Inspect and Protect Program
    ► Inspect right-of-way at least 2 times per year
    ► Maintain clearances annually - 7,100 miles
    ► Meet mandatory NERC-established requirements
  ► Before peak of storm season – perform aerial patrols
Topics for Discussion

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► Lessons Learned
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Pole/Structure Inspections

► Annually inspect/test for strength and loading

► 1.2 million distribution poles
  ► 8-year cycle (wood and concrete)
  ► In 2019 - 149,783 inspected; 129,163 (W); 20,620 (C)

► 67,819 transmission poles/structures
  ► Visually inspect 100% annually
  ► Strength/load test cycles: wood: 6-year / concrete: 10-year
  ► In 2019 - 432 (W); 8,138 (C/S)
Topics for Discussion

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Lessons Learned – 2019 Storm Season

► Hurricane Dorian threatened FPL’s territory, but did not make direct landfall
  ► Flexibility of pre-deployed resources
  ► Storm rider plan
  ► Staging site challenges with an uncertain forecast

► Mutual assistance provided in 2019:
  ► Fires (California)
  ► Hurricane Barry (LA)
  ► Tornadoes (TX)
  ► Experiences reinforce FPL’s processes/initiatives
    ► Need well developed plan
    ► Pre-staging resources/materials
    ► Hardening beneficial
Topics for Discussion

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Restoration Process Changes Resulting from Pandemic

► Every process requires review and revision
  ► Critical roles will require multiple teams at separate locations
  ► Maximize the use of working remote for some roles
  ► Less mutual aid/outside support may be available
  ► Reducing staging site personnel and increasing the number of micro sites to minimize crew movement
  ► Increases in logistical support will be necessary (e.g., one person per hotel room)
  ► Incorporate COVID testing at Command Centers and temperature testing at staging sites (have pandemic PPE available)
  ► The Company is actively seeking ways to mitigate certain impacts to restoration that will necessarily occur as a result of a pandemic