

STATE OF ENERGY IN SW FLORIDA

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LCEC'S SERVICE TERRITORY

- SW Florida Counties
 - Broward
 - Charlotte
 - Collier
 - Hendry
 - Lee



FOUR KEY AREAS OF POWER DELIVERY

1. Generation

- LCEC purchases our wholesale power from FPL

2. Transmission

- LCEC owns and operates 184 miles of 138kV
- Six delivery points with FPL
- Projecting to add 11 miles of line over the next 3 - 5 years
- Projecting to add 59 miles beyond 5 years

FOUR KEY AREAS OF POWER DELIVERY

3. Substation

- We have 27 distribution substations
- Currently there are four substations under various degrees of construction or expansion
- An additional 10 substations are in the planning / design stage

4. Distribution / Services

- We have 156 circuits that consist of :
 - 1,087 miles of overhead three-phase
 - 2,828 miles of overhead single-phase
 - 279 miles of three-phase underground
 - 556 miles of single-phase underground
 - 4,000 miles of secondary / services

GROWTH AND CAPACITY



- From 2021 – 2025 LCEC has added between 700 & 1,000 members per month
- 2026 projections estimate 800 new members each month
- Supporting project needs are mapped across a 10-year plan
- Acquisition of land
- Expansion of the Service Centers

SYSTEM RELIABILITY

- System Average Interruption Duration Index (SAIDI)
 - 2025 performance 57.57 minutes on a target of 79
- Sustained Vegetation Management and Maintenance Plans
- Ongoing Capital Investments
- Smart Grid Technology
 - Supervisory Control and Data Acquisition (SCADA)
 - Distribution Automated Switches (DA Switches)
 - Advance Metering Infrastructure (AMI)

$$\text{SAIDI} = \frac{\text{sum of all customer interruption durations}}{\text{total number of customers served}}$$



RESTORATION: BEFORE THE STORM

Planning, Testing and Pulling the Trigger

- LCEC has a robust Emergency Response Plan for tropical events based on:
 - Industry Best Practices
 - Past Storms
 - Lessons Learned
- Tabletop Exercises
 - Annual in-house testing and drills
 - Annual statewide drills with FECA
- The Go Decision
 - Predetermined resource needs based on storm category
 - Based on the NHC projections
 - Pulling the trigger is a multi-million-dollar decision



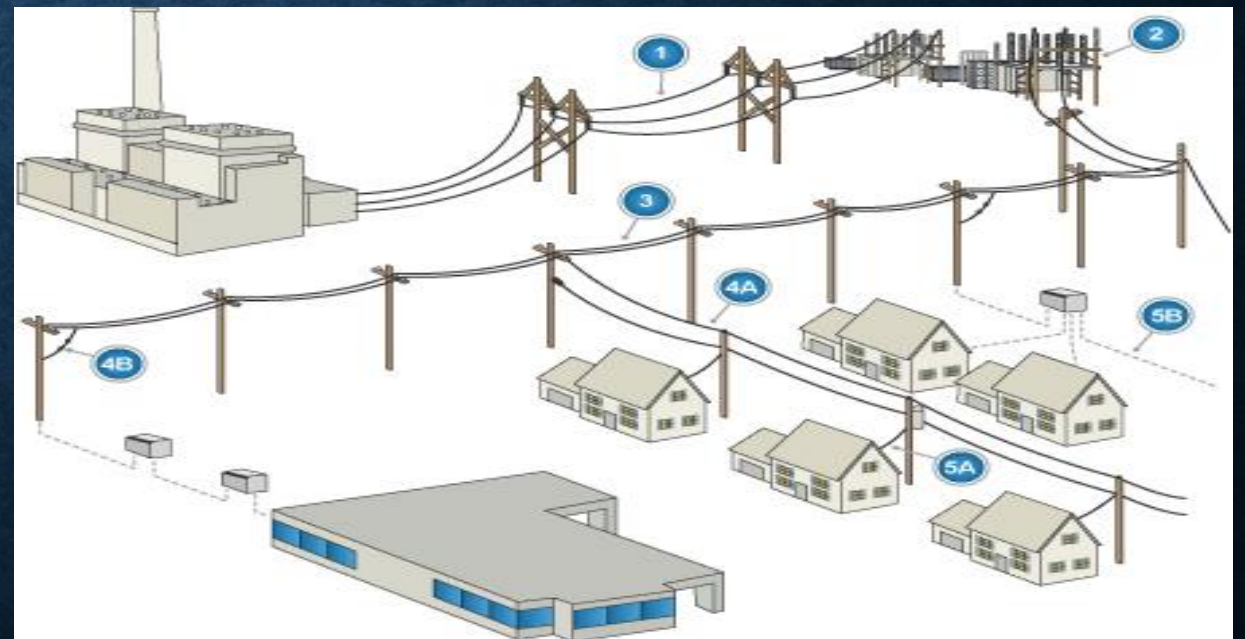


RESTORATION: DURING THE STORM

- Hunker Down, Monitor the System and Ride it Out
- Essential Employees
 - Have a direct role in restoration
 - Do not evacuate
- Chain-of-Custody
 - Monitor the system through SCADA
 - Reassigning the line sections to the restoration teams
- Shelter-in-Place
 - Essential employees shelter at home or at LCEC
 - The core leadership team is at the corporate headquarters building

RESTORATION: AFTER THE STORM

- Evaluating Damage and Restoring Service
 - Damage Assessments
 - Performed in parallel with restoration efforts
 - Restoration Priorities
 - Source Power
 - LCEC Transmission
 - Substations
 - Main Feeders
 - Key Accounts
 - Large Member Counts
 - Small Member Counts
 - Individual Members



WOOD POLE DAMAGE



CONCRETE POLE DAMAGE



UNDERGROUND DAMAGE



THE POWER OF A STORM SURGE



CORROSION ON SECONDARY EQUIPMENT



QUESTIONS?