

Power Delivery Diagnostic Center

Florida Power & Light Company is building a stronger and smarter grid to provide electricity you can count on in good weather and bad. We are using advanced technology to monitor and manage the electric system, detect and prevent issues before they happen, and get life back to normal faster when outages do occur.



FPL leverages smart grid technology and predictive analytics to deliver real-time data to engineers in the diagnostic center. FPL engineers analyze the data to measure and improve the health and performance of the grid and deliver better, more efficient electric service to customers.

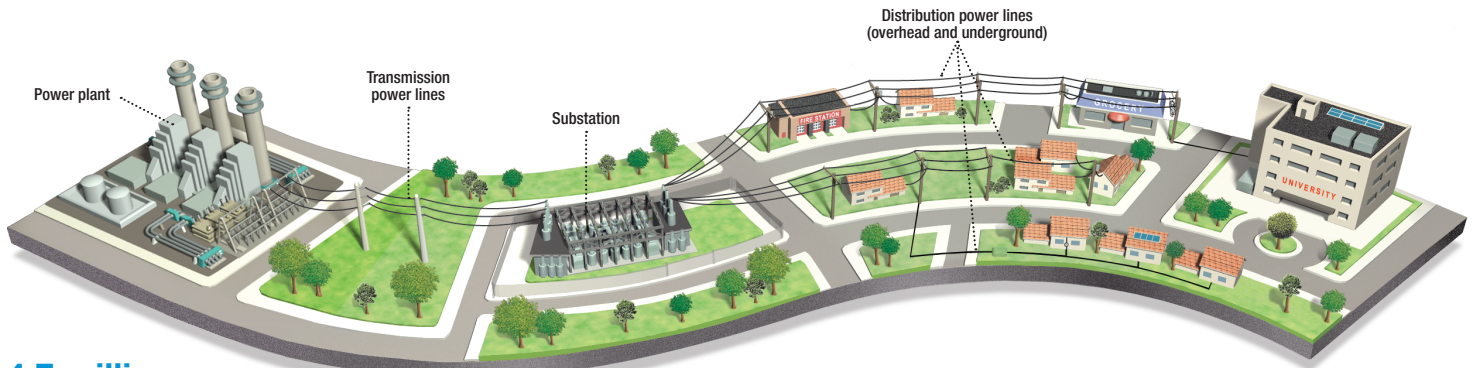
Customer benefits from technology enhancements

- » Improved overall service reliability
- » Reduction in the number and length of outages
- » Enhanced detection and prevention of outages
- » Faster repairs and more accurate time estimates for restoration
- » Reduced operating costs and increased efficiencies - helping keep bills low
- » Fast response during high-profile events (i.e. business, political, sport, entertainment)

Operational details

- » Operates 365/24/7
- » Delivers automated restoration alerts
- » Receives data from more than 500,000 monitored telemetry points
- » Leverages more than 11,000 connected devices helping enable the self-healing capabilities of the electric system
- » Interacts with electrical equipment across 27 states to help maintain the overall health of the nation's electric grid

Power Delivery Infrastructure Facts



4.7 million
customers

27,000
square miles
of service territory

590
transmission
and distribution
substations

74,000 miles
of overhead and
underground power lines

1.2 million
poles

885,000
transformers

