



2020 Energy Grid Improvements in Palm Beach County

Florida Power & Light Company (FPL) is committed to building a stronger and smarter energy grid to deliver power you can count on in good weather and bad. Since 2006, FPL has invested over \$5 billion to improve and modernize the grid in all the communities we serve. This resulted in record-setting service reliability for customers in 2019. And it's not stopping there: FPL has more improvements planned for Palm Beach County that will make the energy grid smarter, stronger and more storm resilient in severe weather and during day-to-day operations.

2006-2020 Improvements Summary in Palm Beach County

When the planned 2020 work is finished, FPL will have completed the following improvements in Palm Beach County since 2006:



Installed 8,635 smart grid devices, including 7,616 automated switches on main and neighborhood power lines to help detect and prevent power issues and get life back to normal faster if outages occur. In 2020, we will install a total of 389 smart grid devices.



Upgraded and strengthened 189 main power lines. We have strengthened the power lines serving critical community services, including hospitals, police and fire stations. In 2020, 50 main power lines will be strengthened.



Inspected and trimmed tree limbs and vegetation along 22,260 miles of power lines, an average of 1,590 miles per year. Trees and other vegetation growing near power lines are a major cause of outages and flickers. In 2020, vegetation will be maintained on 1,945 miles of power lines.



Inspected 213,231 power poles for strength. After inspecting poles, we upgrade or replace them, as needed, to ensure they meet our standards for strength. In 2020, 5,903 poles will be inspected in the second year of our eight-year pole inspection cycle.



Inspected 1,036 main power lines using advanced infrared cameras that help us detect and address potential problems with our equipment – *before* they cause outages. In 2020, we will inspect 45 main power lines.

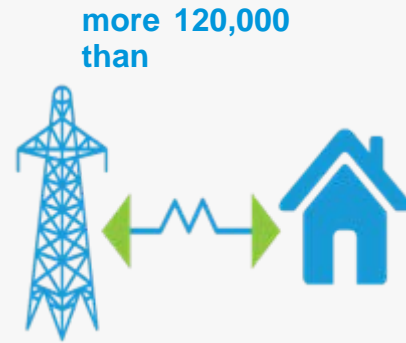


Planned 31 underground power line projects this year across the county. In 2018, FPL started the Storm Secure Underground Program, a three-year pilot that focuses on new technologies and cost-effective ways to replace overhead power lines with more reliable underground lines in select neighborhoods, especially in vegetation-heavy areas.

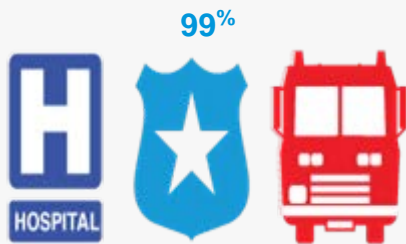


1.2 million

power poles continuously inspected – repairing or replacing those that do not meet our criteria for strength



more 120,000 than
intelligent devices installed that help reduce and prevent power outages



99%

of main power lines strengthened or undergrounded, including those serving critical and community services



15,000

miles of vegetation inspected and trimmed from power lines each year – the main cause of outages

Continuing to Improve Your Service in Good Weather and Bad

FPL's investments in the energy grid continue to benefit the company's more than 5 million customer accounts more than 5 million customer accounts or an estimated 10 million+ people across the state of Florida by:

- providing the best-ever service reliability in 2019
- reducing the average outage time a customer experienced
- achieving best-ever performance for the average number of momentaries or flickers experienced by a customer

For its efforts to improve service reliability, FPL won the 2019 ReliabilityOne™ National Reliability Excellence Award presented by PA Consulting. This is the fourth time in five years that the company has received this national award for providing superior service reliability to our customers.

We are also making progress with our Storm Secure Underground Program, a three-year pilot that focuses on using new technologies and processes to find cost-effective ways to replace overhead power lines with more reliable underground lines in select neighborhoods to enhance customers' service reliability and the energy grid's resiliency. The pilot is focusing on areas that experienced an outage during Hurricanes Matthew and/or Irma, and have a history of outages caused primarily by vegetation.

More Information

Visit [FPL.com/maps](https://www.fpl.com/maps) for specific projects planned in your neighborhood.