

EIA-930 Hurricane Irma Impact Tracking Report

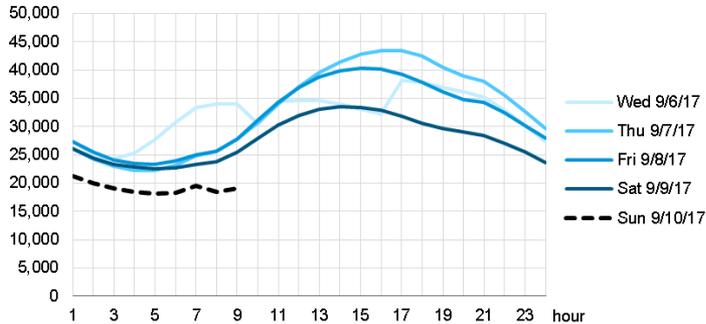
Sunday September 10, 2017 10:00 hours



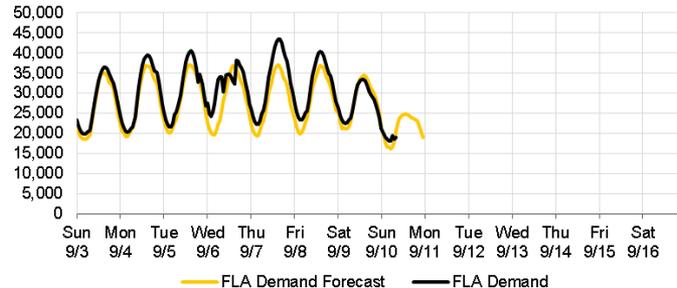
For additional information contact:
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Florida Region

Florida region (FLA) past 5 days demand
megawatts



Current demand vs. day-ahead forecast
megawatts



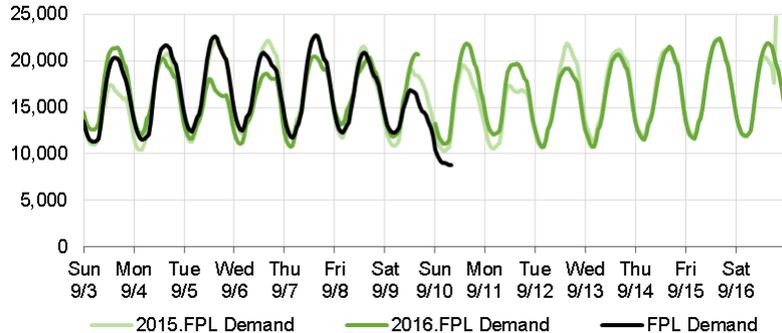
- We are starting to see an impact on electricity demand for the aggregate of all balancing authorities in Florida. Electricity demand today (dashed line) is trending well below the last four days (see top chart).
- The aggregate forecast demand for Florida is down significantly from the previous Sunday (see bottom chart).
- Much of this dip in demand and the demand forecast appears to be due to Florida Power and Light – the largest utility in Florida.

Source: EIA, Hourly and Daily Balancing Authority Operations Report (EIA-930) https://www.eia.gov/beta/realtime_grid

Florida Power and Light Balancing Authority (FPL)

Current demand vs. 2015 and 2016

megawatts (previous years aligned by week number & day of week to 2017 data)

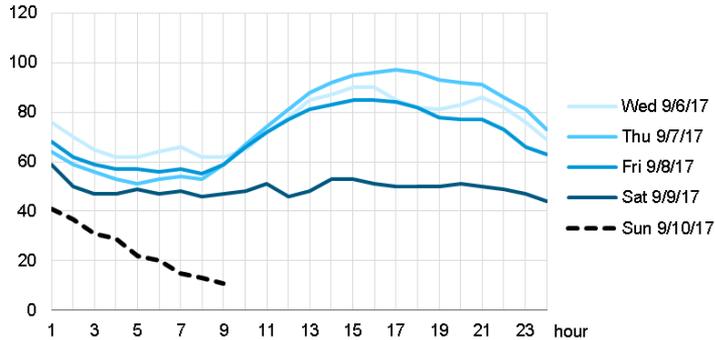


- FPL is Florida's largest utility serving most of southern Florida and along its east coast (see map on last slide).
- The chart compares actual demand now to the same Sunday for the last two years. The actual demand today (black line) is trending below the actual demand on the same day in 2015 (light green) and in 2016 (dark green).

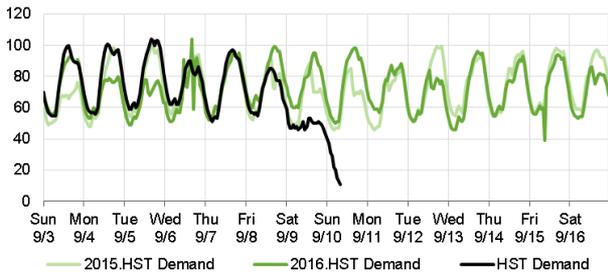
Source: EIA, Hourly and Daily Balancing Authority Operations Report (EIA-930) https://www.eia.gov/beta/realtime_grid

City of Homestead Balancing Authority (HST)

City of Homestead (HST) past 5 days demand
megawatts



Current demand vs. 2015 and 2016
megawatts (previous years aligned by week number & day of week to 2017 data)



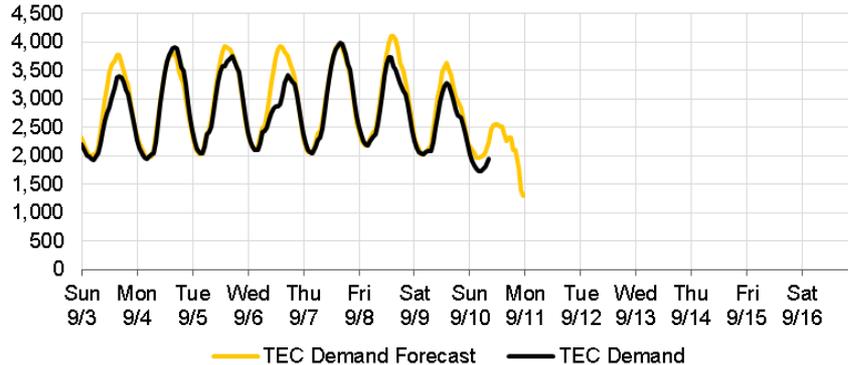
- The City of Homestead is located on the southeast coast of Florida (see map on last slide) and is one of the first U.S. cities and balancing authorities to experience hurricane Irma.
- The decline in actual demand (dashed line) overnight is dramatic (see top chart).
- The bottom chart compares actual demand now to the same Sunday for the last two years. The actual demand today (black line) is well below the actual demand on the same day in 2015 (light green) and in 2016 (dark green).

Source: EIA, Hourly and Daily Balancing Authority Operations Report (EIA-930) https://www.eia.gov/beta/realtime_grid

Tampa Electric Balancing Authority (TEC)

Current demand vs. day-ahead forecast

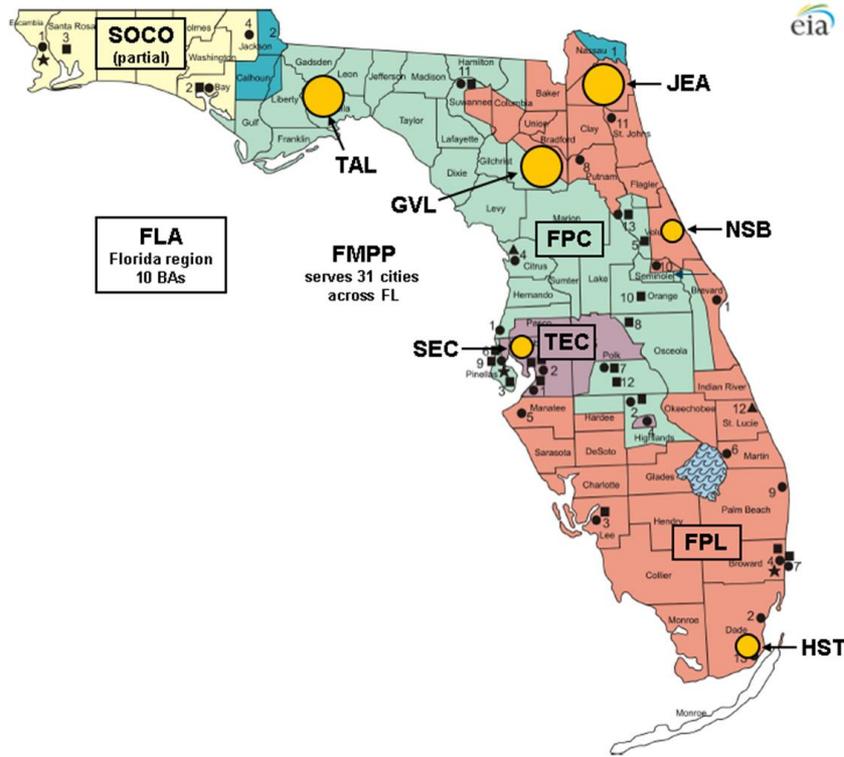
megawatts



- Tampa Electric serves the City of Tampa half way up the west coast of the Florida peninsula. The current storm track has Irma making a direct hit on Tampa on Monday afternoon.
- Tampa Electric is forecasting reduced demand today falling off sharply later in the day.

Source: EIA, Hourly and Daily Balancing Authority Operations Report (EIA-930) https://www.eia.gov/beta/realtime_grid

Balancing Authorities and Utility Service Territories in Florida



- TAL: City of Tallahassee
- JEA: Jacksonville Electric Authority
- GVL: Gainesville Regional Utilities
- NSB: City of New Smyrna Beach
- FPC: Florida Power Corp.
- TEC: Tampa Electric Co.
- SEC: Seminole Electric Cooperative
- FMPP: Florida Municipal Power (serves 31 cities across the state)
- FPL: Florida Power & Light
- HST: City of Homestead
- SOCO: Southern Company (partially in Florida, not included in FLA region total)

Source: Florida Public Service Commission as augmented by EIA