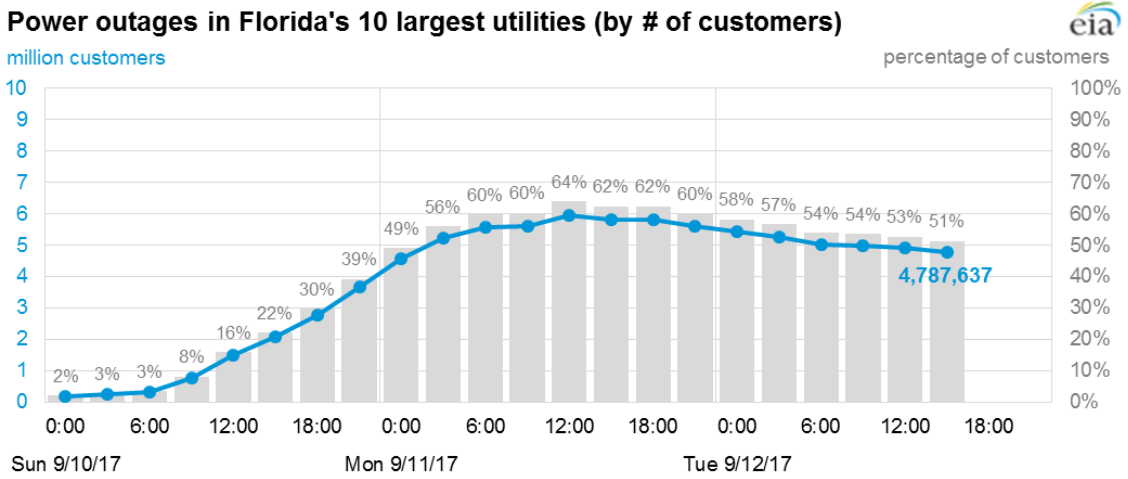
EIA-930 Hurricane Irma Impact Tracking Report
Tuesday September 12, 2017, 16:00 hours

For additional information contact:
infoelectric@eia.gov

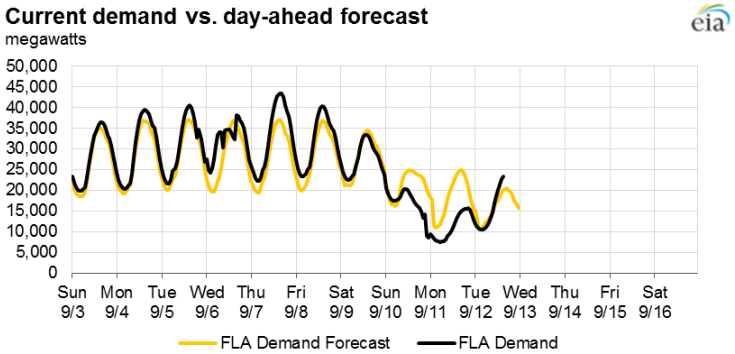
Florida's Top 10 Utilities by Customer Size
Power Outages

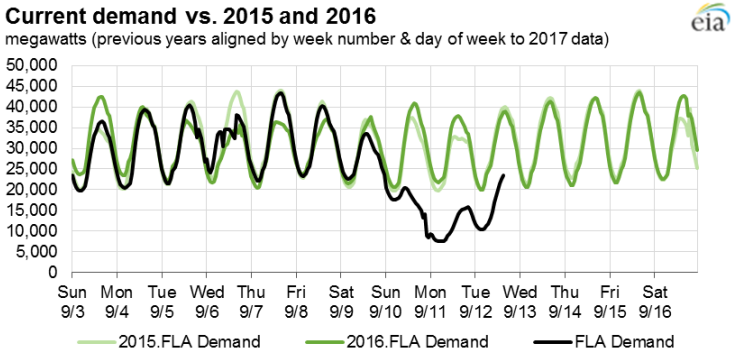


- Power outages in Florida's 10 biggest utilities as of 3 pm Tuesday affected 4.8 million customers—51% of the utilities' customers. Outages have declined slowly yet steadily since 6 pm Monday.

Source: EIA based on data collected from utility outage websites

Florida Region (FLA)

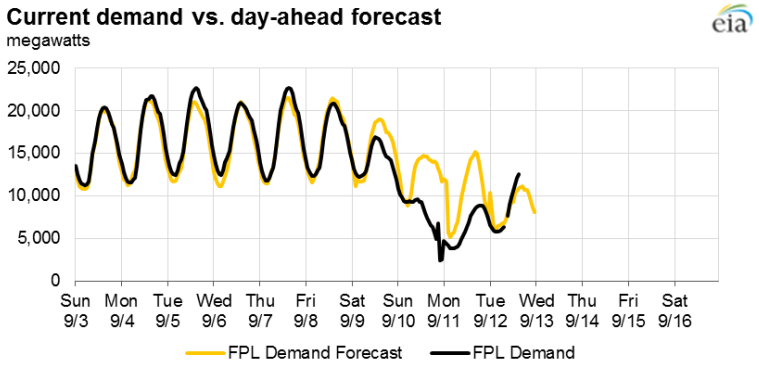


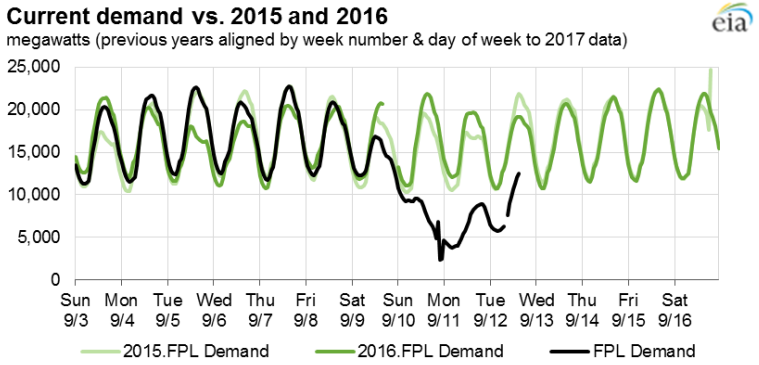


- Aggregate electricity demand for Florida balancing authorities began to increase significantly on Tuesday after bottoming out early Monday morning. Florida demand exceeded 23,400 MW Tuesday afternoon, the highest total since Saturday, 9/9.
- Demand exceeded forecast Tuesday late morning/early afternoon but remains well below the last two years.

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

Florida Power & Light Balancing Authority (FPL)



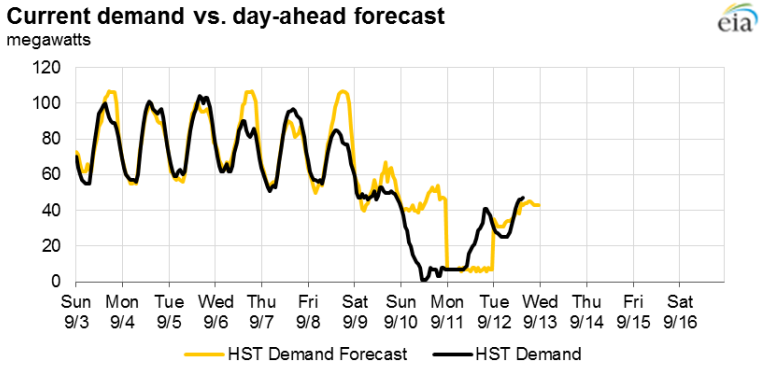


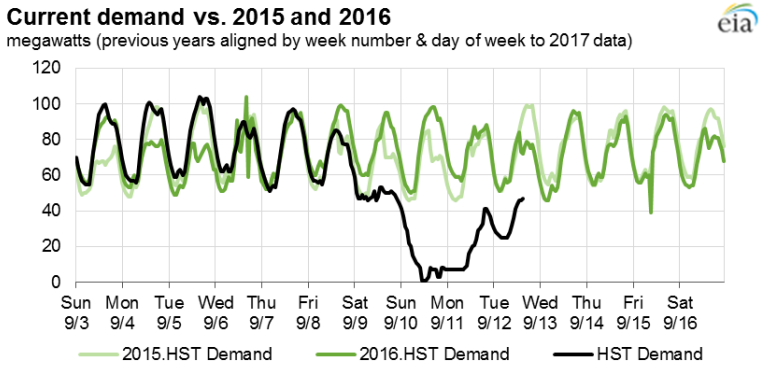
FPL is Florida's largest utility serving most of southern Florida and along its east coast (see map on last slide).

- Electricity demand reached ~12,500 MW Tuesday afternoon, the highest level since September 9. Demand exceeded forecast late morning/early afternoon Tuesday though it remains significantly below normal levels.
- As of 5 pm Tuesday, FPL had restored 1.1 million out of 4.4 million affected customers. FPL has not provided a restoration timeline as they are still assessing the full extent of damage to their system.

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

City of Homestead Balancing Authority (HST)



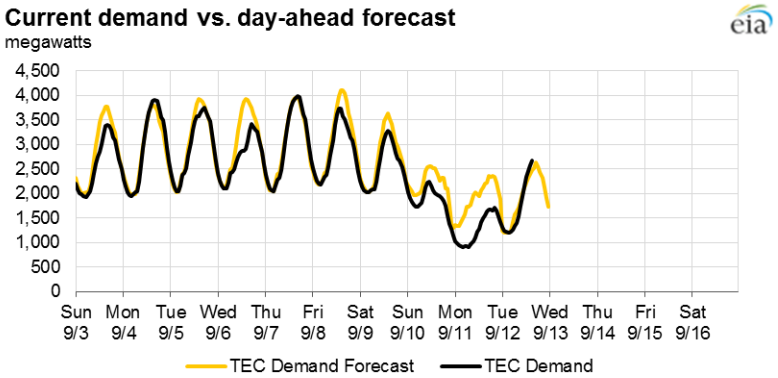


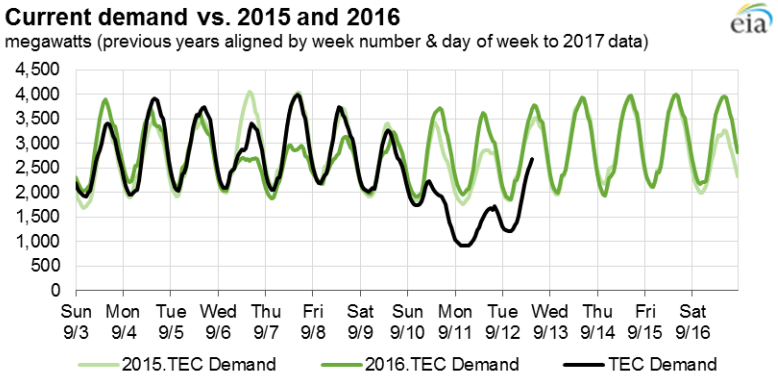
Homestead is located on the southeast coast of Florida and is one of the first U.S. cities and balancing authorities to experience the hurricane.

- Demand in Homestead is recovering after dropping to zero around noon Sunday. Demand reached 47 MW Tuesday afternoon, still well below the ~90-100 MW range for the same hour in the days preceding the hurricane.
- The last outage update from HST was on 9/11: "...4,000 customers back in service and 19,500 still out."

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

Tampa Electric Balancing Authority (TEC)



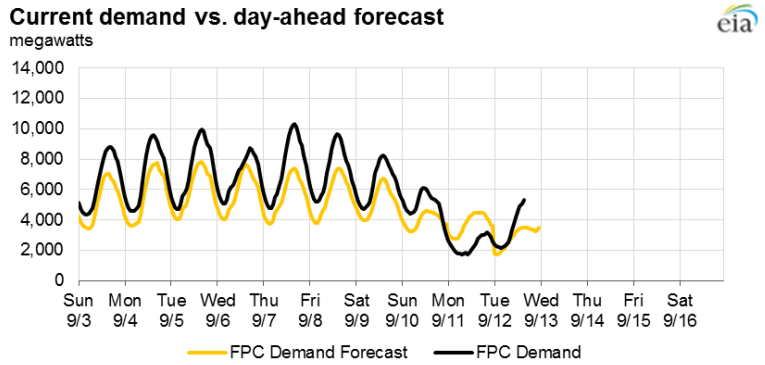


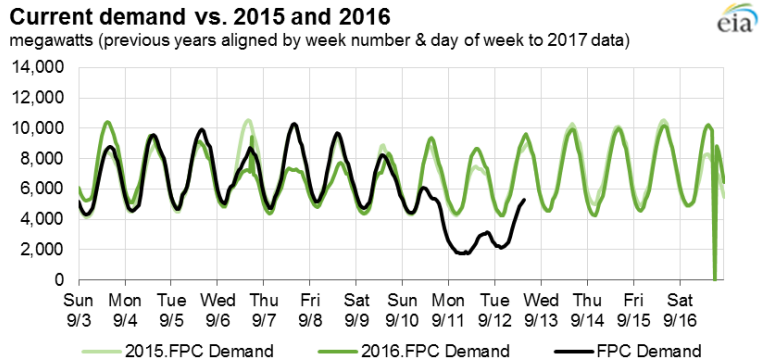
Tampa Electric serves the City of Tampa halfway up the west coast of the Florida peninsula.

- Tampa avoided a direct hit by the hurricane. Demand reached 2,675 MW as of 4pm Tuesday afternoon, up from Monday's peak demand of just over 1,700 MW.
- Tampa Electric announced Tuesday afternoon that they will restore "essentially" all power by Sunday night, 9/17.

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

Duke Energy Florida Balancing Authority (FPC)



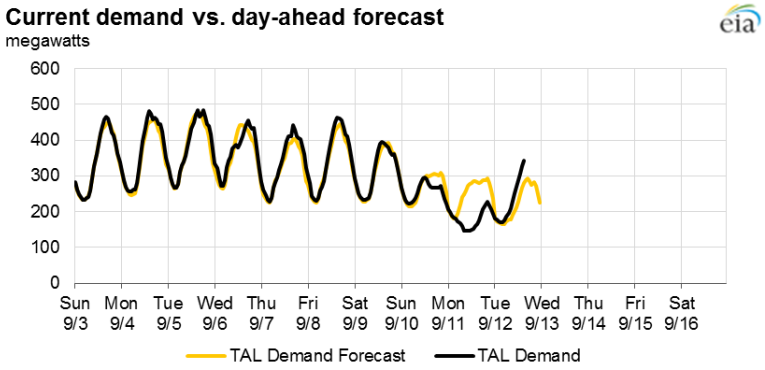


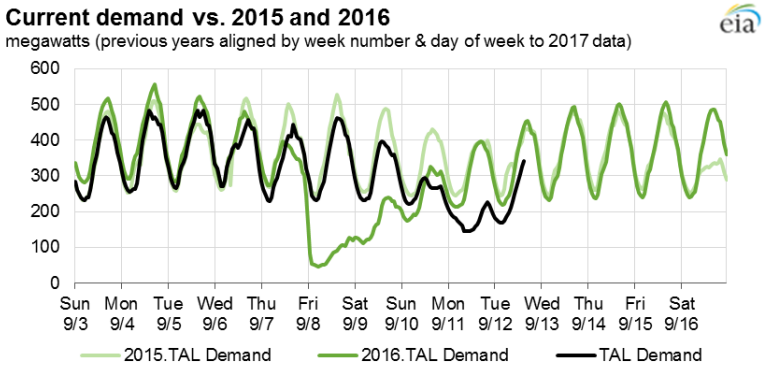
Duke Energy Florida's service territory extends from the center of the state north to the Panhandle on the Gulf side of the state.

- Electricity demand increased significantly Tuesday, 9/12, nearing 5,300 MW at 3pm. This is well above Monday's peak demand of ~3,160 MW.
- Duke Energy announced Tuesday afternoon that it expects to have power restored to most customers by midnight, Sunday, September 17. Two counties south of Orlando were severely impacted and will take longer as the electrical system there is rebuilt.

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

City of Tallahassee Balancing Authority (TAL)



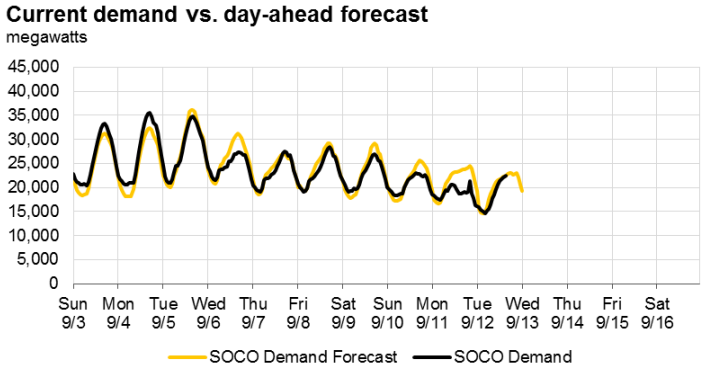


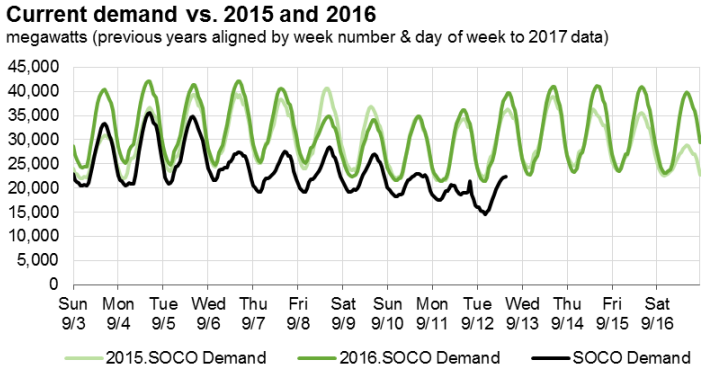
Tallahassee is a municipal utility located in the Florida panhandle.

- Tallahassee demand exceeded 340 MW 4pm Tuesday afternoon, the highest level since late Saturday, 9/9.
- Hurricane Irma had been downgraded to a tropical storm by the time it passed to the east of Tallahassee.
- Note the demand for 2016. This reflects the direct hit Tallahassee sustained from Hurricane Hermine.
- TAL expects 99% of customers to have service by the end of today, 9/12.

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

Southern Company Services Balancing Authority (SOCO)



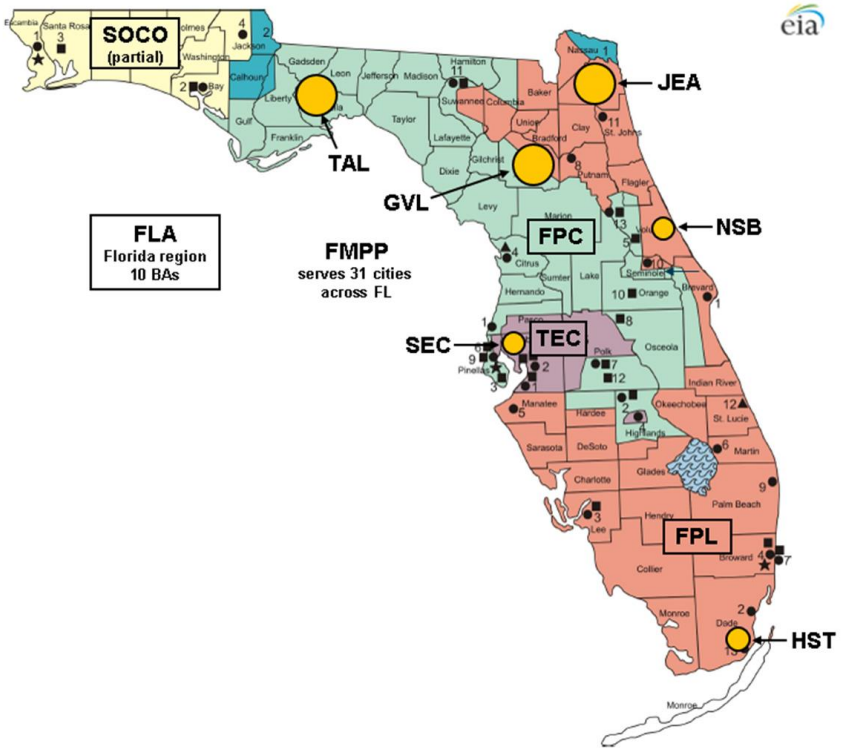


Southern Company and its subsidiaries territory is expansive, covering much of Georgia, Alabama, Mississippi and part of western Florida.

- SOCO demand declined steadily from Friday, 9/8 to Monday, 9/11 before rebounding slightly on Tuesday, 9/12. Peak demand on 9/11 reached only ~21,400 MW compared to demand over 34,000 MW the last two years.
- As of 3pm Tuesday, 27% of Georgia Power customers were without power, down from 36% Tuesday morning.

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

Balancing Authorities and Utility Service Territories in Southeast

- SOCO: Southern Company
- SCEG: South Carolina Electric & Gas
- AEC: PowerSouth Energy Co-op

Source: Southern Company, South Carolina Electric & Gas as augmented by EIA