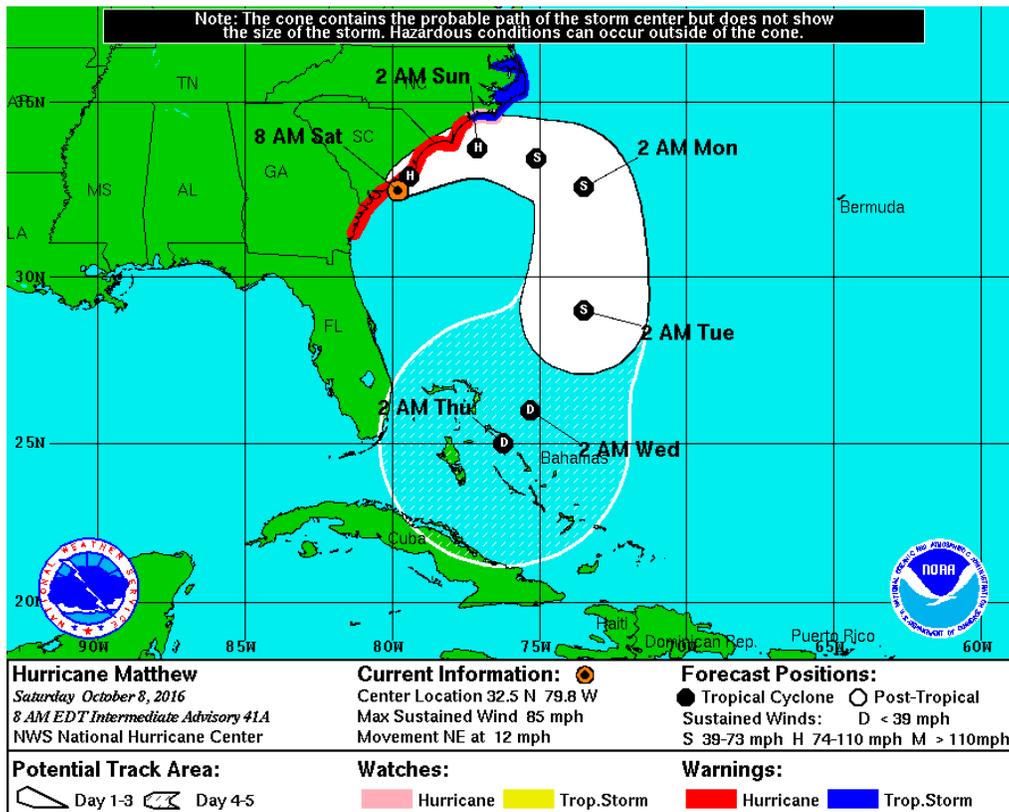




Hurricane Matthew Situation Report October 8, 2016 8:00am

OVERVIEW

As of the 7:00am EDT, Hurricane Matthew is 30 miles south-southwest of Charleston, South Carolina moving north-northeast at 12 mph, with maximum sustained winds of 105 mph (category 2). Hurricane-force winds extend outward up to 45 miles from the center and tropical storm-force winds extend outward up to 185 miles. The center of Matthew will continue along the coast of South Carolina this morning and will near southern North Carolina tonight. Matthew is expected to continue to weaken over the next 48 hours and is forecasted to be a category 1 by this afternoon.





IMPACTS AND PREPARATIONS FOR HURRICANE MATTHEW

ELECTRICITY

- Hurricane Matthew continued to move north along the east coast impacting Florida, Georgia, and the Carolinas with hurricane-force conditions. On Thursday, October 07, President Obama declared States of Emergency for Florida, Georgia, and South Carolina.
- Florida
 - As of 7:30 AM EDT, October 08, the State of Florida has approximately 869,531 customer outages.
 - As of 7:30 AM EDT, October 08, Florida Power and Light Company (FPL) has approximately 472,346 customer outages.
 - As of 7:30 AM EDT, October 08, Jacksonville Electric Authority has approximately 214,166 customer outages.
 - As of 7:30 AM EDT, October 08, Duke Energy Florida has approximately 108,405 customer outages.
 - As of 7:30 AM EDT, October 08, Clay Electric Cooperative has approximately 73,546 customer outages.
 - A number of other utilities make up the other 1,068 customer outages reported in Florida.
 - FPL is the third-largest electric utility in the United States, serving more than 4.8 million customer accounts or more than 10 million people across nearly half of the state of Florida. FPL has a workforce of more than 15,000 ready to respond, including 12,000 field personnel.
 - As of 6:30 AM EDT October 8, FPL reports that 50% of affected customers in Brevard County, which includes the city of Melbourne, have been restored. As of 11:00 PM EDT October 7, FPL estimates power will be restored by end of the day Sunday night to customers north of Palm Beach County, though severe damage may delay some restoration until Monday.
 - No major surge issues have been seen at any FPL substations.
 - Unit 1 of the FPL St. Lucie Nuclear Plant was previously offline for refueling. Unit 2 is now also completely powered down, standard procedure when the facility is under a Hurricane Warning.
 - Orlando Utilities Commission reported as of 10:00 PM EDT October 7 that additional line technicians and tree trimmers arrived from Ohio and Louisiana to assist with restoration efforts with restoration continuing overnight.
 - As of 6:00 AM EDT, October 8, Jacksonville Electric Authority (JEA) is working to restore power as quickly as possible. It reports that due to the high number of outages and the significant damage to the electric system, restoration times are unknown at this time.
 - Duke Energy Florida reports more than 2,200 line and vegetation personnel are on the ground and an additional 170 Duke Energy crews will be arriving from the Midwest.



- Beginning at 6 AM on Saturday, Oct. 8, more than 150 Clay Electric Cooperative personnel, along with help from nearly 500 construction and right-of-way personnel from other cooperatives and outside contractors, will begin a major effort to restore service to members that were impacted by Hurricane Matthew.
- Governor Scott directed the state to begin setting up housing for utility crews in strategic areas across the state. Camp Blanding in Northeast Florida is now able to house over 1,000 utility workers and their trucks.
- Georgia
 - As of 7:30 AM EDT, October 08, the State of Georgia has 279,859 customer outages as a result of Hurricane Matthew.
 - As of 7:30 AM EDT, October 08, Georgia Power has approximately 279,419 customer outages.
 - A number of other utilities make up the other 440 customer outages reported in Georgia.
 - Georgia Power has implemented its emergency plan. Nearly 5,000 workers are ready to deploy to the hardest areas as soon as Hurricane Matthew passes.
 - The Georgia State Operations Center (SOC) is operating 24/7 through the holiday weekend.
 - The Governor of Georgia has issued a mandatory evacuation for all Georgia residents living east of I-95.
 - Georgia Power utility crews have joined the Georgia Re-Entry Strike Teams to expedite cleaning debris from roads with downed power lines.
 - Georgia Power crews are staged and ready to begin restoration once winds subside.
- South Carolina
 - As of 7:30 AM EDT, October 08, the State of South Carolina has 167,020 customer outages as a result of Hurricane Matthew.
 - As of 7:30 AM EDT, October 08, South Carolina Electric and Gas has approximately 142,927 customer outages.
 - A number of other utilities make up the other 24,093 customer outages reported in South Carolina.
 - Multiple utilities are prepositioned and will restore customers in heavily impacted areas as conditions permit.
 - South Carolina Electric & Gas (SCE&G) has publically clarified that it does not plan to shut down natural gas or power before the storm, despite rumors to the contrary. It has secured an additional 250 off-system crew members to supplement the more than 2,000 employees responding to the storm.
- North Carolina
 - As of 7:30 AM EDT, October 08, the State of North Carolina has 14,865 customer outages as a result of Hurricane Matthew.
 - Duke Energy has 2,300 line workers in place in anticipation of widespread power outages. As part of the company's preparation efforts, teams completed aerial inspections of the main transmission lines in the coastal North Carolina area to verify that trees were safely cleared away.
 - Currently, the North Carolina Emergency Operations Center (EOC) is operating from 8AM to 5PM. That will change to a 24/7 schedule at 7:00 AM, Saturday, October 08.



Table 1. Electricity Outages as of 7:30 AM EDT 10/08/2016

Impacted State	Current Confirmed Customer Outages	Percent of Confirmed State Customers without Power	24-hr Peak Customer Outages
Florida	869,531	9%	869,531
Georgia	279,859	6%	279,859
South Carolina	167,020	7%	167,020
North Carolina	14,865	<1%	14,865
Total	1,331,275		*

*There is no sum of the Peak Customer Outage column because peaks for individual utilities occur at different times; a total would not reflect peak outages.



PETROLEUM PORTS:

- The Port of Wilmington in North Carolina has been closed (Condition Zulu) with hurricane conditions expected in the next 12 hours and the Port of Hampton Roads has been restricted with hurricane conditions expected in 36 hours (Condition X-Ray). Ports in sectors Jacksonville, Savannah, and Charleston remain closed. The Port of Palm Beach has been reopened without restrictions, as have all other ports in Sector Miami. Table 1 lists the status of ports that receive petroleum products and their 2013 average receipts of transportation fuels (gasoline, distillates, and jet fuel).
- The State of Florida reported October 07 that fuel supply in the state would last for nearly 5 days, even if all ports are temporarily closed.

Table 2. Status of U.S. Southeast Petroleum Ports as of 07:00 am EDT 10/08/2016

Port Sector	Fuel Receipts* (barrels/day)	Status	Date Stamp
Sector Miami			
Port Everglades	236,000	Open with no restrictions	10/07/2016
Miami	1,500	Open with no restrictions	10/07/2016
Palm Beach	500	Open with no restrictions	10/07/2016
Sector St. Petersburg			
Tampa	273,700	Open with no restrictions	10/07/2016
Port Manatee	700	Open with no restrictions	10/07/2016
Sector Jacksonville			
Jacksonville	69,800	Closed (Zulu)	10/06/2016
Canaveral	32,000	Closed (Zulu)	10/05/2016
Sector Savannah			
Savannah	12,600	Closed (Zulu)	10/07/2016
Sector Charleston			
Charleston	16,500	Closed (Zulu)	10/07/2016
Sector North Carolina			
Wilmington	11,500	Closed (Zulu)	10/07/2016
Hampton Roads			
Hampton Roads	7,400	Open with restrictions (X-Ray)	10/07/2016

*2013 annual average of imports and domestic receipts. Includes gasoline, distillates, and jet fuel.

Source: U.S. Coast Guard; U.S. Energy Information Administration,

PADDs 1 and 3 Transportation Fuels Markets (January 2016)

PETROLEUM REFINERIES:

- There are no refineries currently located within the storm’s 3-day track.

RETAIL SERVICE STATIONS:

- Florida is monitoring for supply, distribution, or retail fuel shortages or issues, specifically for isolated incidents of individual retailers experiencing temporary fuel shortages. Officials are also working with fuel partners and suppliers to increase the number trucks moving fuel from the ports to retail locations.
- Florida law requires all motor fuel terminals to be able to dispense fuel for a minimum of 72 hours using an alternative fuel supply to the electric grid. All gas stations built after 2006, gas stations within one-half mile of an interstate highway or designated evacuation route, or gas stations in certain sized counties with a certain number of fueling positions must be prewired for an alternative power source.



STATE WAIVERS:

- Six states have active emergency declarations in order to waive Hours of Service (HOS) regulations for truck drivers delivering transportation fuels or other essential resources for emergency response. Table 4 lists the status of state emergency declarations.

Table 4. State Emergency Declarations and Hours of Service (HOS) Waivers as of 07:00 am EDT 10/08/2016

State	Resources Cited	Effective Dates		Status
		Start	End	
Florida	Emergency services or supplies.	10/03/2016	10/10/2016	Active
Georgia	Resources to assist in preparation, response, and recovery activities.	10/05/2016	10/12/2016	Active
South Carolina	Essential services during or immediately following the event.	10/04/2016	TBD	Active
North Carolina	Fuel oil, diesel oil, gasoline, kerosene, propane, liquid petroleum gas.	10/03/2016	11/02/2016	Active
Virginia	Essential relief supplies, passengers, equipment, fuel, construction materials, and other critical supplies to or from any portion of the Commonwealth for purpose of providing direct relief or assistance as a result of this disaster.	10/06/2016	11/06/2016	Active
Kentucky	Utility power restoration and debris removal vehicles as well as commercial vehicles transporting relief supplies.	10/07/2016	11/07/2016	Active

Sources: U.S. Department of Transportation; Governor Office Websites.