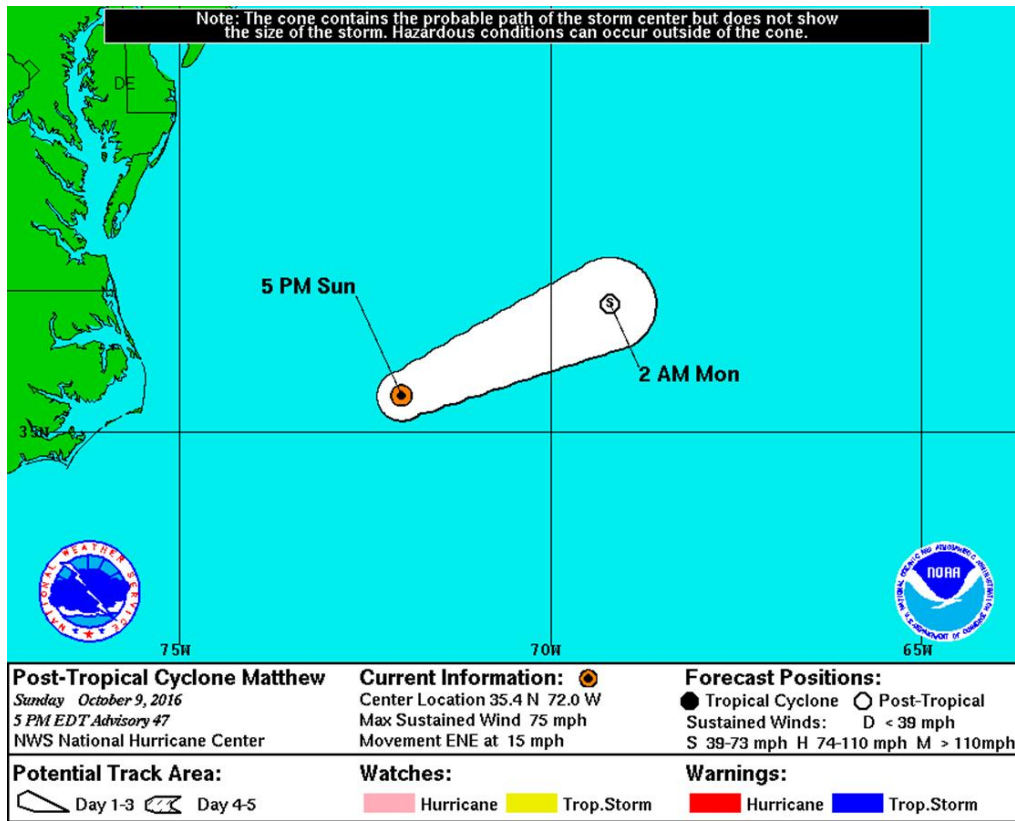




Hurricane Matthew Situation Report October 10, 2016 8:00am

OVERVIEW

The remnants of Post-Tropical Cyclone Matthew no longer poses a threat to U.S. interests as the system dissipates over the Atlantic. All land based watches and warnings for Matthew have been discontinued and the National Hurricane Center issued the final advisory on Matthew at 5:00pm on October 9, 2016. Flooding continues over portions of South and North Carolina from record rains as a result of Matthew and flood warnings are in effect for several areas across the region.





IMPACTS AND PREPARATIONS FOR HURRICANE MATTHEW

ELECTRICITY:

- Hurricane Matthew caused damage to the electric power sector from Florida to Virginia, primarily in coastal areas and left severe flooding, damaged poles, and downed powerlines affecting over 2 million customers over the course of the storm. Many customers have already had power restored, especially in Florida, and restoration continues in Georgia, the Carolinas, and Virginia. Time to restore assessments are ongoing especially in the hardest hit and remote areas. Utilities continue to report damage to distribution systems and have conducted flyovers to assess damage to transmission systems. Many areas will be restored today, although restoration will take longer for customers in the hardest hit areas. Mutual assistance agreements are working well and utility crews have arrived from other parts of the country to assist in the restoration. On Thursday, October 07, President Obama declared States of Emergency for Florida, Georgia, South Carolina, and North Carolina.

- Florida
 - As of 7:00 AM EDT, October 10, the State of Florida has 242,013 customer outages. This represents 2% of customers in the state.
 - As of 7:00 AM EDT, October 10, Florida Power and Light Company (FPL) has 127,079 customer outages.
 - As of 7:00 AM EDT, October 10, Jacksonville Electric Authority has 92,490 customer outages.
 - As of 7:00 AM EDT, October 10, Clay Electric Cooperative has 4,076 customer outages.
 - As of 7:00 AM EDT, October 10, Duke Energy Florida has 18,028 customer outages.
 - A number of other utilities make up the other 340 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 responding, including 12,000 field personnel.
 - As of 7:00 AM EDT, October 10, FPL had restored over 1 million customer interruptions less than 48 hours after Hurricane Matthew passed FPL's service territory and FPL is working on restoring power to the approximate 10% of customers remaining without power. During the restoration process, crews identified additional damage to the neighborhood lines in hardest-hit areas, extending some customers' restoration until end of day Monday.
 - Restoration is essentially complete in Miami, Dade and Broward Counties.
 - Hardest hit areas include Volusia, Brevard, Flagler and St Johns.
 - Jacksonville Electric Authority (JEA) was in one of the hardest hit areas of Florida. The utility has 29 electric crews including contractors in the field working to restore power following Hurricane Matthew. An additional 43 Mutual Aid crews from Electric Cities of Georgia, TECO (Tampa), CPS Energy (San Antonio), and a number of Missouri municipal utilities are providing assistance. As FPL completes their restoration work south of Jacksonville, they will now be able to provide additional assistance to JEA with approximately 150 utility workers and vegetation support. This will allow JEA to substantially complete service restoration work for customers able to receive power by end-of-day on Monday, October 10th.
 - New Smyrna Beach Utilities Commission and Vero Beach municipal utilities were in hard hit areas. Restoration estimates are unavailable at this time.



- Duke Energy has more than 3,500 personnel involved in outage restoration efforts. More than 233,000 customers have been restored since the storm pass the region. As of noon October 9, approximately 47,500 customers were without electricity. The vast majority of those are in Volusia County. More than 80 percent of the company's customers impacted by the storm have been restored.
- Duke anticipates that all customers, who can receive power, will be restored before midnight Sunday October 9. Restoration in the most severely impacted areas of Volusia County may continue into Monday.
- Beginning at 6 AM on Saturday, October 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, began a major effort to restore service to members that were impacted by Hurricane Matthew.
- Clay Electric Cooperative is continuing restoration activities. Remaining outages in Bradford, Clay, Duval and Putnam counties are estimated to be substantially completed on Sunday, Oct. 9. As Clay restores power in its western counties, those resources are being reallocated to Flagler, Lake, Marion and Volusia Counties to complete restoration.
- Orlando Utilities Commission has completed restoration to all customers.
- In all service territories, some homes and businesses may not be able to receive power due to damage from flooding until they are repaired and inspected.
- Georgia
 - As of 7:00 AM EDT, October 10, the State of Georgia has 143,063 customer outages as a result of Hurricane Matthew. This represents 3% of customers in the state.
 - As of 7:00 AM EDT, October 10, Georgia Power has 143,027 customer outages.
 - Georgia Power's restoration crews continue to repair damage to electrical infrastructure. Approximately 5,000 personnel have restored power to 150,000 customers. Restoration for all customers could take several days, especially in remote areas and on the coast; however, significant progress has already been made.
 - As of 8:30 AM EDT Sunday, there were more than 1,919 cases of damage the company is working to repair. Power has been restored to more than 110,000 customers following Hurricane Matthew. Damage and power outages are concentrated in Coastal Georgia, including Chatham, Glynn, Effingham, Bulloch and Liberty Counties.
 - Georgia Power has mobilized a workforce of nearly 5,000 personnel from Georgia Power and mutual assistance crews from other states, including Alabama, Mississippi, Louisiana and Texas.
- South Carolina
 - As of 7:00 AM EDT, October 10, the State of South Carolina has 330,411 customer outages as a result of Hurricane Matthew. This represents 13% of customers in the state.
 - As of 7:00 AM EDT, October 10, South Carolina Electric and Gas (SCE&G) has 113,195 customer outages.
 - As of 7:00 AM EDT, October 10, Duke Energy has 121,006 customer outages.
 - As of 7:00 AM EDT, October 10, Santee Cooper (SC Public Authority) has 48,381 customer outages.



- As of 7:00 AM EDT, October 10, Horry Electric Cooperative has 47,666 customer outages.
- A number of other utilities make up the other 162 customer outages reported in South Carolina.
- The highest concentrations of power outages are in the Southeast corner of the state.
- Duke Energy crews have already made progress and restored power to more than 600,000 customers across North Carolina and South Carolina. However, it could take up to a week to complete restoration in hard-hit and remote areas.
- Duke Energy contacted the Southeastern Electric Exchange and other utilities and related services to bring in roughly 6,000 personnel in addition to the 5,600 personnel already assembled.
- SCE&G crews have restored power to more than 100,000 customers impacted by Hurricane Matthew. Hardest hit were the coastal counties of Charleston, Beaufort, Dorchester and Colleton as well as Richland County in the Midlands. SCE&G secured more than 1,000 off-system crew members to supplement the more than 2,000 SCE&G employees assisting with restoration. SCE&G crews are continuing to clear downed trees, replace broken poles and damaged equipment. Damage assessment and restoration efforts began Saturday and will continue today October 10, with more crews in the field and aerial surveys of power lines.
- North Carolina
 - As of 7:00 AM EDT, October 10, the State of North Carolina has 402,052 customer outages as a result of Hurricane Matthew. This represents 8% of customers in the state.
 - As of 7:00 AM EDT, October 10, Duke Energy has 310,239 customer outages.
 - As of 7:00 AM EDT, October 10, South River Electric Membership Cooperation has 22,039 customer outages.
 - As of 7:00 AM EDT, October 10, Dominion Power has 31,972 customer outages.
 - As of 7:00 AM EDT, October 10, Four County Electric Membership Corp has 17,727 customer outages.
 - A number of other utilities make up the other 14,743 customer outages reported in North Carolina.
 - North Carolina's 26 electric cooperatives collectively serve approximately 2.5 million people in 93 of the state's 100 counties.
 - Duke Energy crews have already made progress and restored power to more than 600,000 customers across North Carolina and South Carolina.



- Virginia
 - As of 7:00 AM EDT, October 10, the Commonwealth of Virginia has 106,015 customer outages. This represents 3% of customers in the Commonwealth.
 - As of 7:00 AM EDT, October 10, Dominion Power has 105,761 customer outages.
 - A number of other utilities make up the other 254 customer outages reported in Virginia.
 - Dominion Power reports 3,400 work locations where repairs must be made. In Eastern Virginia, weather conditions made it difficult to complete damage assessment Sunday and impeded initial repairs. Dominion Power expects to complete a full assessment of damage by early Monday, and provide an overall expected restoration time Monday afternoon with specific restoration times by locality on Tuesday. In Central Virginia, power restoration is expected for the vast majority of customers by Monday evening.

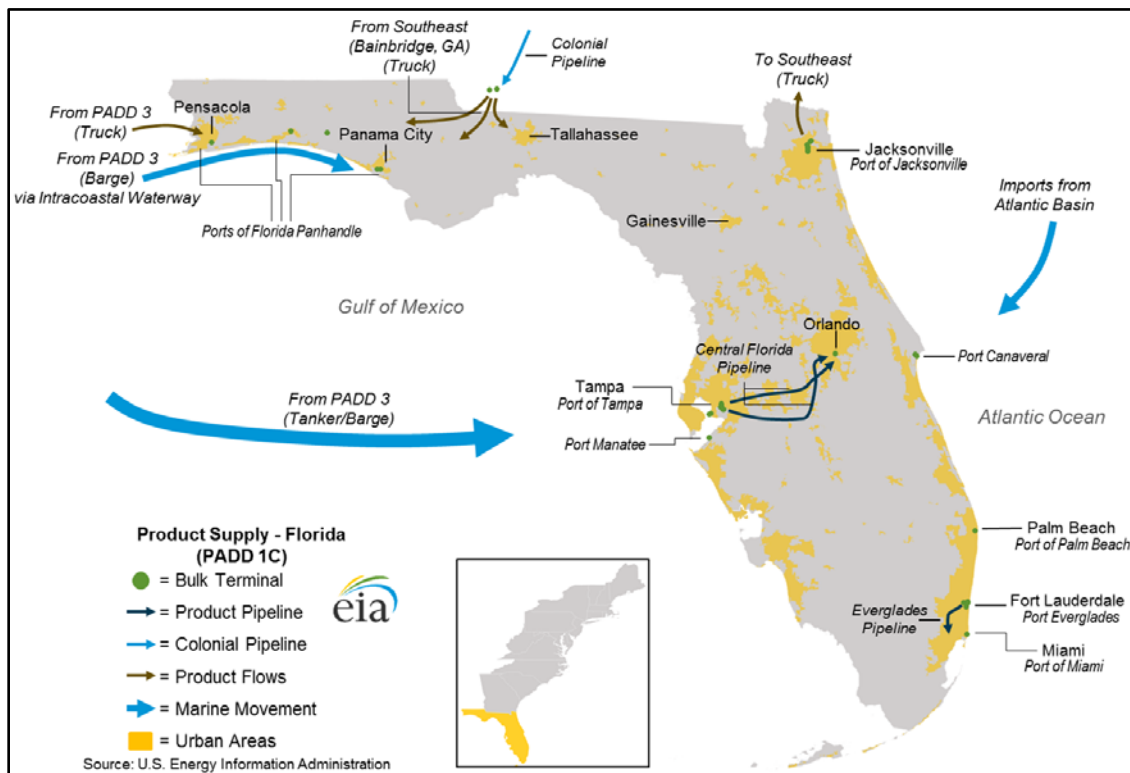
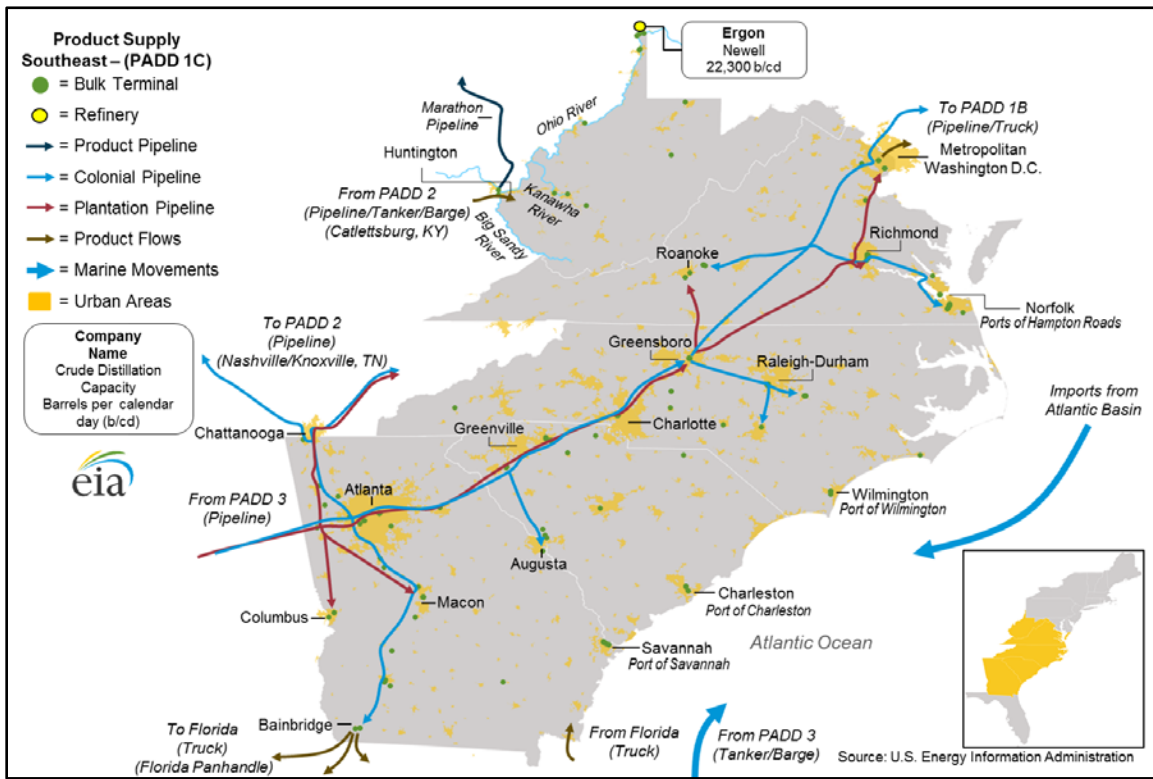
Table 1. Electricity Outages as of 7:30 AM EDT 10/10/2016

Impacted State	Current Confirmed Customer Outages	Percent of Confirmed State Customers without Power	24-hr Peak Customer Outages
Florida	242,013	2%	468,618
Georgia	143,067	3%	204,866
South Carolina	330,411	13%	522,628
North Carolina	402,052	8%	698,016
Virginia	106,015	3%	273,996
Total	1,223,558		*

*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 INFORMATION:





PETROLEUM PORTS:

- The ports of Charleston and Wilmington have reopened with restrictions. Ports of Jacksonville and Canaveral in Sector Jacksonville are now operating without restrictions. The table below lists the status of ports that receive petroleum products and their 2013 average receipts of transportation fuels (gasoline, distillates, and jet fuel).

Table 2. Status of U.S. Southeast Petroleum Ports as of 03:00 pm 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	Open with no restrictions	10/08/2016
Canaveral	32,000	Open with no restrictions	10/08/2016
Sector Savannah			
Savannah	12,600	Closed (Zulu)	10/07/2016
Sector Charleston			
Charleston	16,500	Open with restrictions	10/09/2016
Sector North Carolina			
Wilmington	11,500	Open with restrictions	10/09/2016
Hampton Roads			
Hampton Roads	7,400	Closed (Zulu)	10/08/2016

*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 continues to monitor 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.



- The table below shows reported outages at retail service stations tracked by Gas Buddy in Florida, Georgia, and the Carolinas.

Reported Outages at Retail Service Stations <i>as of 02:00 pm EDT 10/09/2016</i>				
State	# of Outages (7 am, 10/9)	# of Outages (7 am, 10/10)	Total # of Stations in State	% of Outages (7 am, 10/10)
Florida	461	775	7,107	11%
Georgia	17	19	6,024	<1%
South Carolina	19	25	2,957	<1%
North Carolina	17	21	5,276	<1%
Virginia	0	2	3,771	<1%

Source: Gas Buddy, <http://tracker.gasbuddy.com/>.

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 <i>as of 03:00 pm EDT 10/08/2016</i>				
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.