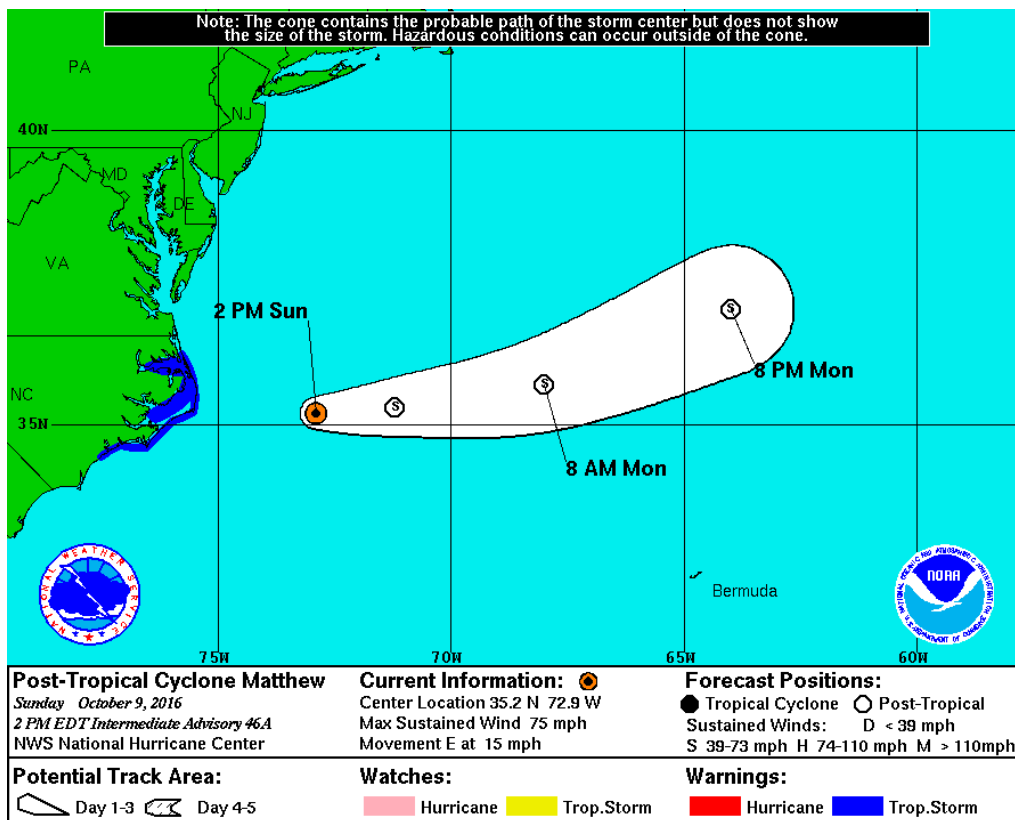




Hurricane Matthew Situation Report October 9, 2016 4:00pm

OVERVIEW

As of 2:00pm, Post-Tropical Cyclone Matthew was 150 miles southeast of Cape Hatteras, North Carolina moving east at 15 mph, with maximum sustained winds of 75 mph. Hurricane-force winds extend outward up to 70 miles, mainly to the southwest of the center and tropical storm-force winds extend outward up to 240 miles. Matthew will continue to move east-northeast or east for the next few days. Rainfall will diminish across the Mid-Atlantic this afternoon, but flooding remains a concern throughout the impacted region. Additionally, there is significant wind and flooding damage throughout South and North Carolina.





IMPACTS AND PREPARATIONS FOR HURRICANE MATTHEW

ELECTRICITY:

- Hurricane Matthew caused damage to the electric power sector from Florida to Virginia, primarily in coastal areas. Many customers have already had power restored, especially in Florida; however, restoration efforts are in the early stages in Georgia, the Carolinas, and Virginia. The estimated time to restoration continues to be challenging in the immediate aftermath of the storm and will not be confirmed until damage assessments are complete. Utilities are conducting flyovers to assess damage to transmission systems. While many areas will have power restored today or Monday, restoration will take longer for customers in hard-hit and remoted 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 3:30 PM EDT, October 09, the State of Florida has 367,546 customer outages. This represents 4% of customers in the state.
 - As of 3:30 PM EDT, October 09, Florida Power and Light Company (FPL) has 218,713 customer outages.
 - As of 3:30 PM EDT, October 09, Jacksonville Electric Authority has 123,186 customer outages.
 - As of 3:30 PM EDT, October 09, Clay Electric Cooperative has 19,559 customer outages.
 - As of 3:30 PM EDT, October 09, Duke Energy Florida has 5,750 customer outages.
 - A number of other utilities make up the other 338 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 11:00 AM EDT October 9, FPL had restored about 1 million customer interruptions. Based on current assessments, FPL expects to complete power restoration to essentially all customers by end of day Sunday; however, pockets of severe flooding and damage likely will extend outages for a few customers 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 1,400 personnel including mutual aid crews from Texas and Georgia to assist in the restoration. The utility is continuing to restore power. About 96% of the utilities remaining outages are located in Duval County. Restoration estimates are unavailable at this time.
 - 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 3:30 PM EDT, October 09, the State of Georgia has 192,743 customer outages as a result of Hurricane Matthew. This represents 4% of customers in the state.
 - As of 3:30 PM EDT, October 09, Georgia Power has 190,505 customer outages.
 - A number of other utilities make up the other 2,238 customer outages reported in Georgia.
 - Georgia Power's restoration crews continue to repair damage to electrical infrastructure. 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 3:30 PM EDT, October 09, the State of South Carolina has 599,451 customer outages as a result of Hurricane Matthew. This represents 24% of customers in the state.
 - As of 3:30 PM EDT, October 09, South Carolina Electric and Gas (SCE&G) has 166,580 customer outages.
 - As of 3:30 PM EDT, October 09, Duke Energy has 146,315 customer outages.
 - As of 3:30 PM EDT, October 09, Santee Cooper (SC Public Authority) has 82,638 customer outages.
 - A number of other utilities make up the other 203,918 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 400,000 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.
- Hurricane Matthew was the most significant hit to Santee Cooper's transmission and distribution system since Hurricane Hugo 27 years ago, and as the storm leaves the state Santee Cooper crews are beginning the assessment and restoration process.
- 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.
- North Carolina
 - As of 3:30 PM EDT, October 09, the State of North Carolina has 658,797 customer outages as a result of Hurricane Matthew. This represents 13% of customers in the state.
 - As of 3:30 PM EDT, October 09, Duke Energy has 468,534 customer outages.
 - As of 3:30 PM EDT, October 09, Brunswick Electric Membership Cooperation has 54,335 customer outages.
 - As of 3:30 PM EDT, October 09, Dominion Power has 49,813 customer outages.
 - A number of other utilities make up the other 86,115 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 400,000 customers across North Carolina and South Carolina.
- Virginia
 - As of 3:30 PM EDT, October 09, the Commonwealth of Virginia has 217,613 customer outages. This represents 6% of customers in the Commonwealth.
 - As of 3:30 PM EDT, October 09, Dominion Power has 210,426 customer outages.
 - A number of other utilities make up the other 7,187 customer outages reported in Virginia.
 - Dominion Power reports that Hurricane Matthew caused widespread outages and flooding. Restoration is focusing first on critical facilities.



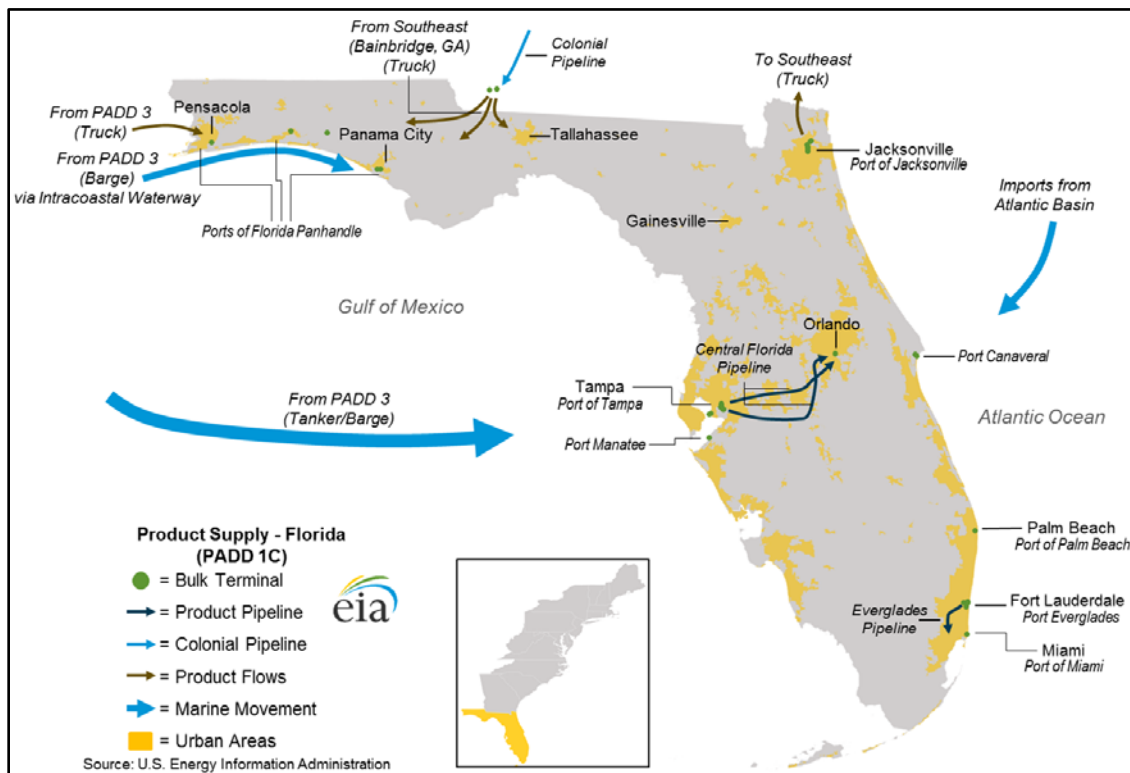
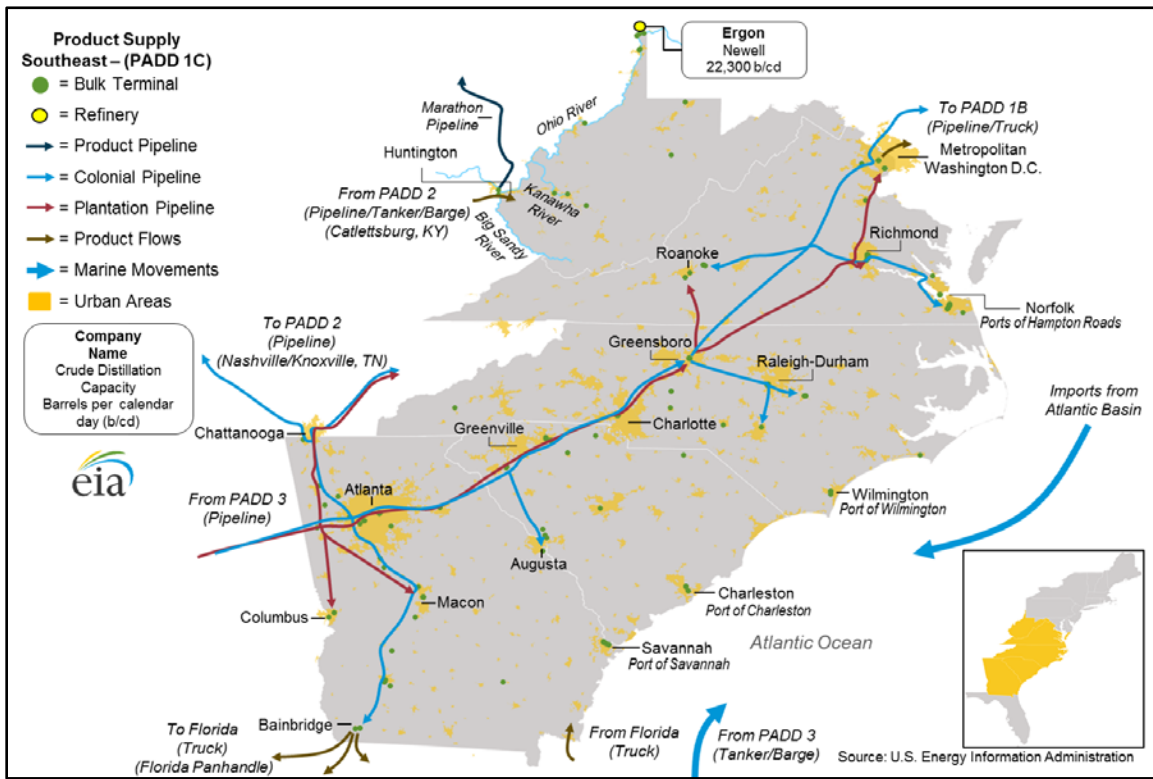
Table 1. Electricity Outages as of 7:30 AM EDT 10/09/2016

Impacted State	Current Confirmed Customer Outages	Percent of Confirmed State Customers without Power	24-hr Peak Customer Outages
Florida	367,546	4%	763,828
Georgia	192,743	4%	311,253
South Carolina	599,451	24%	844,202
North Carolina	658,797	13%	714,051
Virginia	217,613	6%	261,783
Total	2,036,150		*

*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:

- Ports in sectors Savannah, Charleston, Wilmington, and Hampton Roads remain closed. 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	Closed (Zulu)	10/07/2016
Sector North Carolina			
Wilmington	11,500	Closed (Zulu)	10/07/2016
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 as of 02:00 pm EDT 10/09/2016				
State	No Fuel (7 am, 10/9)	No Fuel (2 pm, 10/9)	Total Stations	% No Fuel (2 pm, 10/9)
Florida	461	467	7,107	7%
Georgia	17	18	6,024	<1%
South Carolina	19	24	2,957	<1%
North Carolina	17	17	5,276	<1%
Virginia	0	0	3,771	0%

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 as of 03:00 pm 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.