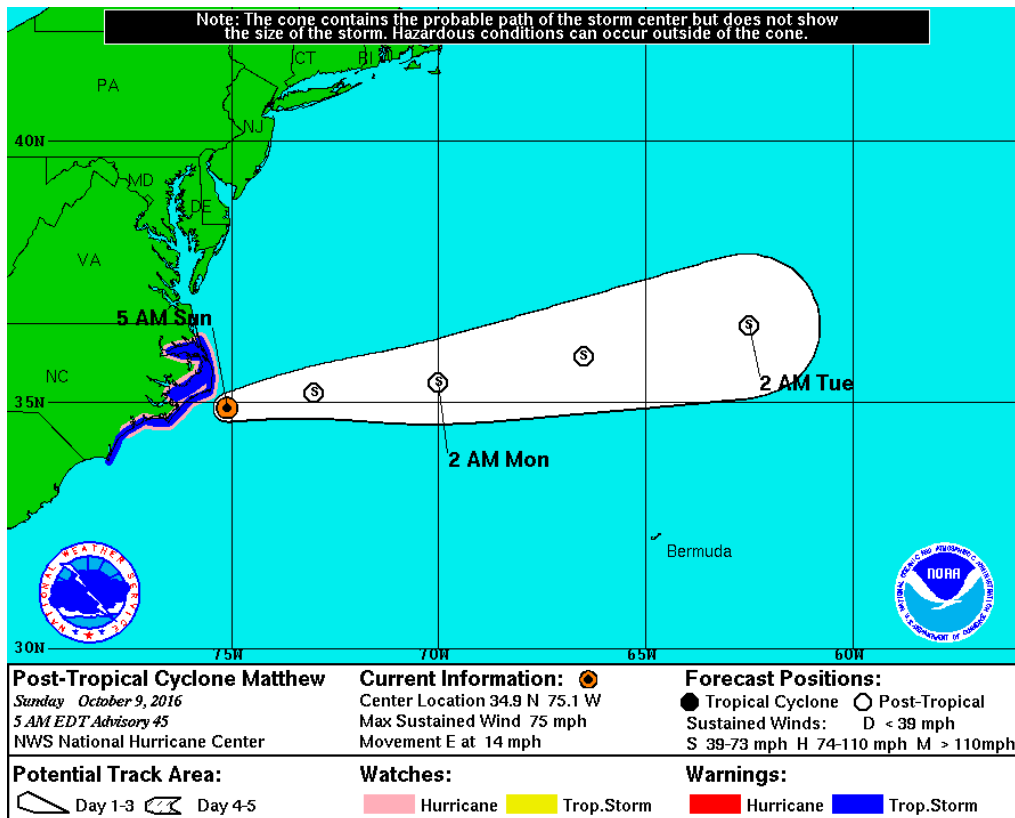




Hurricane Matthew Situation Report October 9, 2016 8:00am

OVERVIEW

Matthew is now a post-tropical cyclone. As of 5:00am, Matthew was 30 miles southeast of Cape Hatteras, North Carolina moving east at 14 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. There continues to be significant rainfall in North Carolina and Virginia and flooding across the affected area remains a concern.





IMPACTS AND PREPARATIONS FOR HURRICANE MATTHEW

ELECTRICITY:

- Matthew continues to impact the Carolinas and Virginia after causing power outages in Florida and Georgia. Many customers have already had service restored in parts of Florida, however, hardest hit areas around Jacksonville may take several days to restore. Restoration efforts are beginning in Georgia, South Carolina, and North Carolina. Restoration assessments in South Carolina are not yet available. On Thursday, October 07, President Obama declared States of Emergency for Florida, Georgia, South Carolina, and North Carolina.
- Florida
 - As of 7:30 AM EDT, October 09, the State of Florida has 472,605 customer outages.
 - As of 7:30 AM EDT, October 09, Florida Power and Light Company (FPL) has 247,254 customer outages.
 - As of 7:30 AM EDT, October 09, Jacksonville Electric Authority has 142,420 customer outages.
 - As of 7:30 AM EDT, October 09, Duke Energy Florida has 56,684 customer outages.
 - As of 7:30 AM EDT, October 09, Clay Electric Cooperative has 26,206 customer outages.
 - A number of other utilities make up the other 41 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 PM EDT, FPL had restored more than 850,000 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.
 - FPL has mobilized community response vehicles in St. Johns and Brevard counties in order to provide phone-charging services to the immediate community.
 - 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 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 reported October 8 that more than 3,500 personnel are involved in outage restoration efforts. Resources are strategically positioned in Orange, Seminole and Volusia counties. More than 166,000 customer outages have been restored and power restoration is expected to be complete to all customers in Orange, Seminole and Volusia counties by midnight Sunday.
 - 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.
- 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. There are two other locations that are currently being prepared if needed.
- Georgia
 - As of 7:30 AM EDT, October 09, the State of Georgia has 203,500 customer outages as a result of Hurricane Matthew.
 - As of 7:30 AM EDT, October 09, Georgia Power has 203,295 customer outages.
 - A number of other utilities make up the other 205 customer outages reported in Georgia.
 - Georgia Power crews have re-entered Coastal Georgia and restoration efforts are well underway with a workforce of nearly 5,000 personnel from Georgia Power and assisting utilities mobilized to restore power following Hurricane Matthew.
 - Power has been restored to more than 100,000 customers following Hurricane Matthew.
 - As of 8:00 PM EDT Saturday, there were more than 1,800 cases of damage the company is working to repair. Damage and power outages are concentrated in Coastal Georgia, including Chatham, Glynn, Effingham, Bulloch and Liberty Counties. Utilities from other states, including Alabama, Mississippi, Louisiana and Texas, are currently in Georgia working alongside Georgia Power crews to restore service for customers.
 - 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.
- South Carolina
 - As of 7:30 AM EDT, October 09, the State of South Carolina has 844,202 customer outages as a result of Hurricane Matthew.
 - As of 7:30 AM EDT, October 09, South Carolina Electric and Gas has 189,542 customer outages.
 - As of 7:30 AM EDT, October 09, Duke Energy has 154,276 customer outages.
 - As of 7:30 AM EDT, October 09, Santee Cooper (SC Public Authority) has 105,994 customer outages.
 - A number of other utilities make up the other 394,390 customer outages reported in South Carolina.
 - The highest concentrations of power outages are in the Southeast corner of the state.
 - 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. Transmission crews are



beginning assessment of issues across the state and helicopter flyovers of the transmission lines will happen as soon as winds die down.

- SCE&G crews began damage assessment and restoration work to restore power to customers. The majority of outages are in the Low-country. SCE&G increased the number of off-system crew members from 250 before the storm to more than 1,000 by Saturday morning. The company also had more than 2,000 SCE&G employees assisting with storm restoration efforts. Aerial assessments and increased ground assessments are scheduled to begin Sunday morning. Restoration estimates are unavailable at this time.
- 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.
- Duke Energy has continued to bolster its restoration crews for the Carolinas, now totaling about 5,600 line workers, tree crews, damage assessors and support people to respond to outages. As soon as the storm passes and wind speeds drop below 39 miles per hour making it safe for travel, line crews will begin repairs.

- North Carolina

- As of 7:30 AM EDT, October 09, the State of North Carolina has 714,051 customer outages as a result of Hurricane Matthew.
 - As of 7:30 AM EDT, October 09, Duke Energy has 500,787 customer outages.
 - A number of other utilities make up the other 213,264 customer outages reported in South Carolina.
- North Carolina's 26 electric cooperatives collectively serve approximately 2.5 million people in 93 of the state's 100 counties.
- Duke Energy has continued to bolster its restoration crews for the Carolinas, now totaling about 5,600 line workers, tree crews, damage assessors and support people to respond to outages. As soon as the storm passes and wind speeds drop below 39 miles per hour making it safe for travel, line crews will begin repairs.

- Virginia

- As of 7:30 AM EDT, October 09, Virginia has 261,783 customer outages.
 - As of 7:30 AM EDT, October 09, Dominion Power has 251,393 customer outages.
 - A number of other utilities make up the other 10,390 customer outages reported in Virginia.



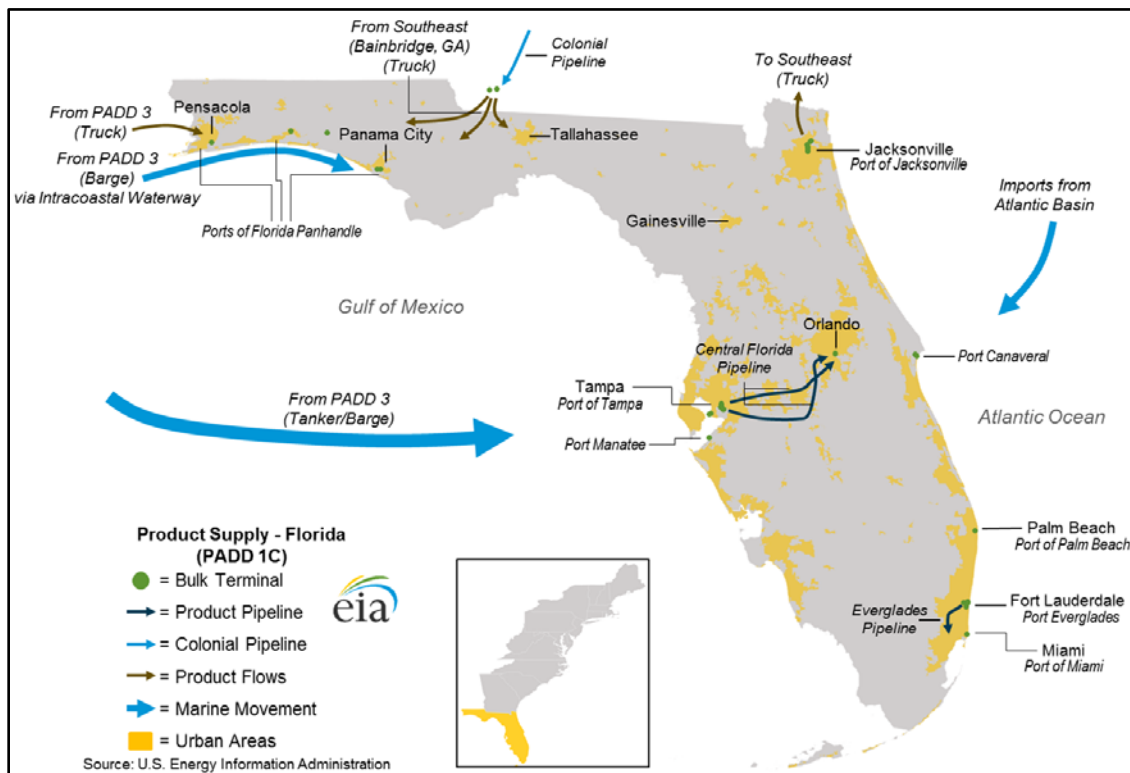
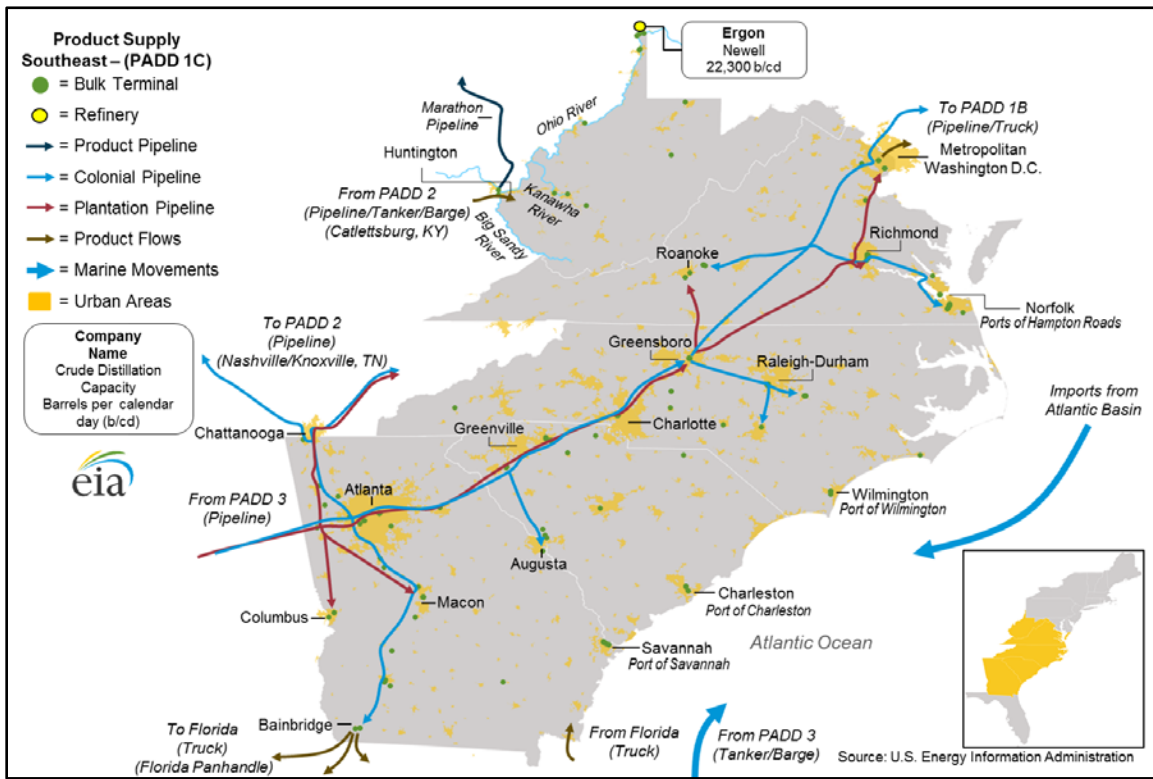
Table 1. Electricity Outages as of 7:30 AM EDT 10/09/2016

Impacted State	Current Confirmed Customer Outages	Percent of Confirmed State Customers without Power	24-hr Peak Customer Outages
Florida	472,605	5%	869,531
Georgia	203,500	4%	311,253
South Carolina	844,202	34%	844,202
North Carolina	714,051	14%	714,051
Virginia	261,783	7%	261,783
Total	2,023,536		*

*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 Port of Hampton Roads in Virginia has been closed (Condition Zulu). In Sector Jacksonville, ports Canaveral and Jacksonville have been opened with restrictions. Other ports in sectors Jacksonville, Savannah, Charleston and Wilmington remain closed. Ports in Sector Miami remain open. 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 08 that Ports are beginning to reopen, and will resume normal fuel delivery schedules as ports reopen.

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 restrictions	10/06/2016
Canaveral	32,000	Open with 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 07:00 am EDT 10/09/2016			
State	Stations without Fuel	Total Stations	% without Fuel
Florida	461	7,107	7%
Georgia	17	6,024	<1%
South Carolina	19	2,957	<1%
North Carolina	17	5,276	<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 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.