



## Hurricane Florence | Report #1

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**REPORT TIME & DATE:** 9:00 AM EDT | Thursday, September 13, 2018  
**INCIDENT START DATE:** Thursday, September 13, 2018  
**PRIMARY LOCATION(S):** North Carolina & South Carolina  
**REPORT DISTRIBUTION:** Public

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### EXECUTIVE SUMMARY

As of 8:00 AM EDT, Hurricane Florence was 170 miles east-southeast of Wilmington, North, moving northwest at 12 MPH, with maximum sustained winds of 110 MPH. Portions of the Outer Banks of North Carolina began to experience tropical storm-force winds this morning and on the forecast track, the center of Florence will approach the coasts of North and South Carolina later today, then move near or over the coast of southern North Carolina and eastern South Carolina late tonight or early Friday.

Restoration continue in Guam and the Commonwealth of the Marianas Islands (CNMI) following Typhoon Mangkhut and Tropical Storm Oliva had minimal energy impacts on Hawaii.

#### Electricity Sector Summary

- East Coast: As of 8:00 AM EDT, there have been no outages associated with Hurricane Florence.
- Guam: As of 4:00 AM EDT, over 83% of the Guam power system has been energized.
- CNMI: As of 4:00 AM EDT, all customers in Tinian and Saipan have been restored. Restorations continue in Rota.
- Hawaii: Minimal scattered outage on Maui and Oahu. Restoration efforts underway.

#### Oil & Natural Gas Sector Summary

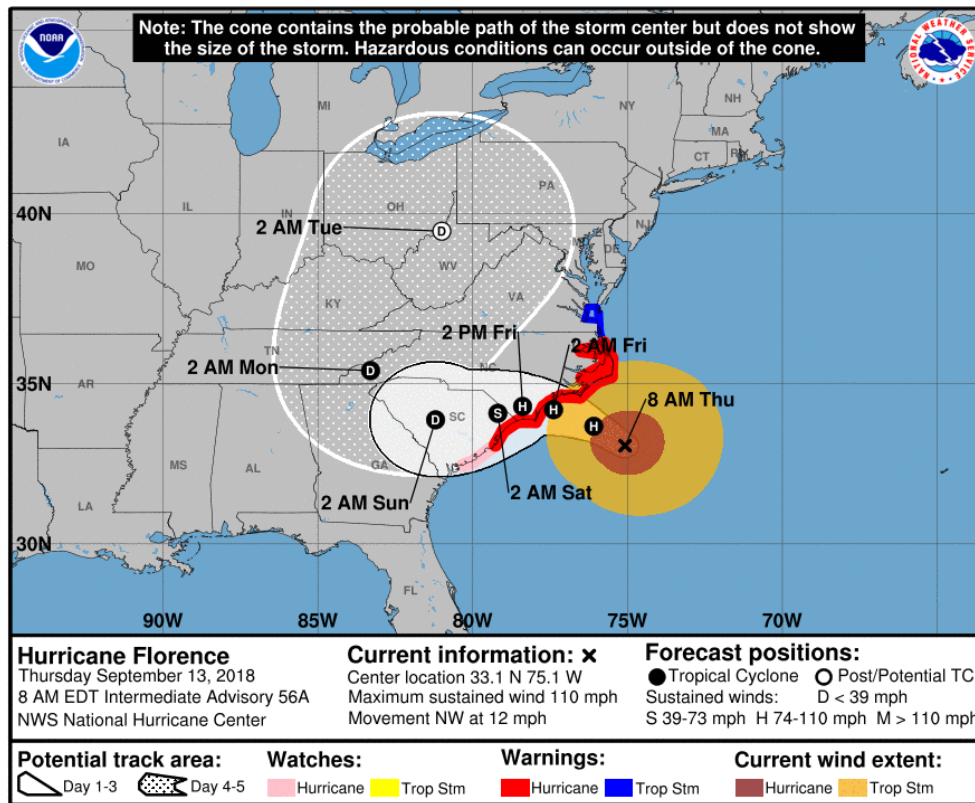
- There are reports of localized retail fuel station outages due to increased demand from evacuees. Overall supply of gasoline across the region is at, or above, the 5-year range. States are working closely with industry to expedite resupply shipments to impacted areas.
- Ports across the area potentially impacted by Hurricane Florence have closed or are open with restrictions.

## HURRICANE FLORENCE

As of 8:00 AM EDT, Hurricane Florence was 170 miles east-southeast of Wilmington, North Carolina and 220 miles east of Myrtle Beach, South Carolina, moving northwest at 12 MPH, with maximum sustained winds of 110 MPH (category 2). Hurricane-force winds extend outward up to 80 miles from the center and tropical storm-force winds extend outward up to 195 miles. Florence is expected to continue moving northwest with a decrease in forward speed today. A turn to the west-northwest and west is expected tonight, followed by a slow west-southwestward motion Friday night and Saturday. On the forecast track, the center of Florence will approach the coasts of North and South Carolina later today, then move near or over the coast of southern North Carolina and eastern South Carolina late tonight or early Friday. As of 8:00 AM, tropical storm-force winds have begun to impact portions of the Outer Banks along the coast of North Carolina.

Florence is forecast to produce 20 to 30 inches of rainfall across Coastal North Carolina and into far northeastern South Carolina, with isolated totals up to 40-inches. Across the rest of South and North Carolina and into southwest Virginia, 6 to 12 inches is expected, with isolated totals up to 24-inches. Florence is also forecast to produce significant storm surge. If peak surge occurs during high-tide, Florence may product a storm surge of 9 to 13 feet between Cape Fear and Cape Lookout, 6 to 9 feet from Cape Lookout to the Ocracoke Inlet and from North Myrtle Beach to Cape Fear. Storm surge of 2 to 6 feet is possible across other coastal areas within the impacted areas.

A hurricane warning is in effect from South Santee River, South Carolina to Duck, North Carolina, as well as the Albemarle and Pamlico Sounds. A hurricane watch is in effect from Edisto Beach, South Carolina to South Santee River, South Carolina and a tropical storm warning is in effect north of Duck, North Carolina to Cape Charles Light, Virginia, as well as the Chesapeake Bay, south of New Point Comfort.



## ELECTRICITY SECTOR

## POWER OUTAGES

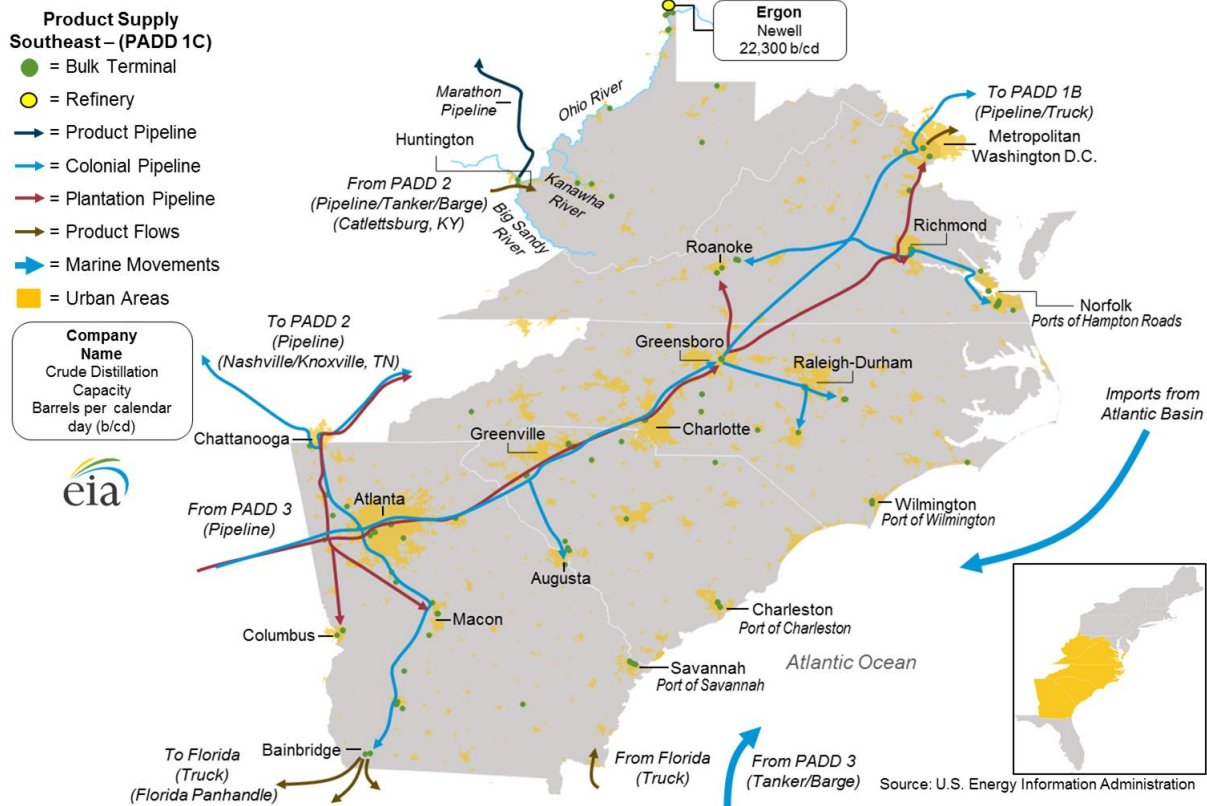
ELECTRICITY OUTAGES AS OF 7:30 AM EDT 09/13/2018			
Impacted State	Current Confirmed Customer Outages	Percent of Confirmed State Customers without Power	24-hr Peak Customer Outages
Georgia	61	<1%	N/A
North Carolina	1,547	<1%	N/A
South Carolina	17	<1%	N/A
Virginia	1,167	<1%	N/A
<b>Total</b>	<b>2,792</b>	-	*

*\*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.*

- Current outages are not due to Hurricane Florence or abnormal conditions.
- The potentially affected area is served by several utilities, including investor owned utilities, municipal utilities, and cooperative utilities. The three associations that represent these utilities and manage the mutual assistance networks, Edison Electric Institute (EEI), American Public Power Association (APPA), and the National Rural Electric Cooperative Association (NRECA), have been in regular contact with DOE and the potentially affected entities.
- Over 40,000 workers from 17 states have been mobilized to support restoration efforts. Crews, mutual assistance crews, and equipment have been pre-positioned outside the potentially impacted areas.



**PETROLEUM SECTOR**



**PORTS**

- The U.S. Coast Guard has set the following conditions for Southeast ports.

Status of Southeast Ports as of 8:00 AM EST 09/13/2018				
Port Sector	Port	Status	Date Stamp	2016 Inbound Products (b/d)*
Maryland NCR	Baltimore, MD	Port Condition Whiskey. Open with restrictions.	09/10	29,000**
	Washington, DC	Port Condition Whiskey. Open with restrictions.	09/10	2,000
Hampton Roads	Norfolk, VA	Port Condition Modified Zulu. Select waterways closed. Ports open with restrictions.	09/12	7,000
	Newport News, VA	Port Condition Modified Zulu. Select waterways closed. Ports open with restrictions.	09/12	3,000
North Carolina	Wilmington, NC	Port Condition Zulu. Closed.	09/12	6,000
Charleston	Charleston, SC	Port Condition Zulu. Closed.	09/12	22,000
Savannah	Savannah, GA	Port Condition X-Ray. Open with restrictions.	09/11	15,000

\*Transportation fuels only (gasoline, distillate, and jet fuel)

\*\*The Port of Baltimore also had 11,000 b/d of petroleum products shipped outbound in 2016.

Source: U.S. Coast Guard [Homeport](#), U.S. Army Corp of Engineers, EIA Company Level Imports

**PETROLEUM REFINERIES**

- There are no refineries in the immediate impact zone of Hurricane Florence (NC, SC, GA, VA).

**PRODUCT TERMINALS**

- No petroleum product distribution terminals have reported issues at this time.
- No ethanol rail terminals have reported issues at this time.

**RETAIL FUEL STATIONS**

- There are reports of localized retail fuel station outages due to increased demand from evacuees. Overall supply of gasoline across the region is at, or above, the 5-year range. States are working closely with industry to expedite resupply shipments to impacted areas.



**EMERGENCY DECLARATIONS & WAIVERS**

**EMERGENCY DECLARATIONS**

To provide vital supplies and transportation services to a disaster area in the United States, emergency declarations may be issued by the President, Governors of States, or Federal Motor Carrier Safety Administration (FMCSA). These declarations trigger the temporary suspension of certain Federal safety regulations, including Hours of Service, for motor carriers and drivers engaged in specific aspects of the emergency relief effort. See [49 CFR 390.23](#) for the actual emergency regulation.

State Emergency Declarations and HOS Waivers as of 8:00 AM EST 09/13/2018				
State	Details	Effective Dates		Status
		Start	End	
DE, DC, FL, GA, MD, NJ, NY, NC, PA, SC, VA, WV	FMCSA Regional Declaration of Emergency	09/10	10/10	Active
North Carolina	State of Emergency Declaration	09/07	Until Rescinded	Active
South Carolina	State of Emergency Declaration	09/08	Until Rescinded	Active
Virginia	State of Emergency Declaration	09/08	10/10	Active
Maryland	State of Emergency Declaration	09/10	Until Rescinded	Active
District of Columbia	State of Emergency Declaration	09/11	09/26	Active
Kentucky	State of Emergency Declaration	09/11	10/11	Active
Tennessee	State of Emergency Declaration	09/11	10/11	Active
Georgia	State of Emergency Declaration	09/12	09/19	Active

Sources: [U.S. Department of Transportation](#); Governor Office Websites

**FUEL WAIVERS**

The Environmental Protection Agency (EPA), working with the Department of Energy (DOE), responds quickly to address fuel supply disruptions caused by hurricanes or other natural disasters by issuing emergency waivers of certain fuel standards in affected areas. The table below lists fuel-related waivers issued by the EPA:

Fuel Waivers as of 8:00 AM EST 09/13/2018				
State(s)	Waiver	Effective Dates		Status
		Start	End	
North Carolina, South Carolina	<a href="#">RVP requirements</a>	09/11	09/15	Active
North Carolina, South Carolina	<a href="#">RFG comingling regulations</a>	09/11	10/01	Active
Georgia, parts of Virginia	<a href="#">RVP requirements</a>	09/12	09/15	Active
Georgia, parts of Virginia	<a href="#">RFG comingling regulations</a>	09/12	09/30	Active
Southern Virginia	<a href="#">RFG requirements</a>	09/12	09/30	Active

Sources: [U.S. Environmental Protection Agency](#); State Governments



In order to minimize or prevent the disruption of an adequate supply of gasoline for evacuees in the designated areas, the EPA has issued temporary waivers of:

- Reid vapor pressure (RVP) requirements at 40 C.F.R. § 80.27, thus allowing regulated parties to produce, sell or distribute winter gasoline (including gasoline blendstocks for oxygenate blending (BOBs)) with higher RVP than normally allowed during the high ozone season. These waivers are effective through September 15, 2018, which is the end of the high ozone season.
- Reformulated gasoline (RFG) regulations at 40 C.F.R. § 80.78(a)(7), thus allowing the commingling of any RBOB with any other gasoline, blendstock, or oxygenate in the designated areas.
- Reformulated gasoline requirements in Southern Virginia RFG areas, thus allowing regulated parties to produce, sell or distribute conventional winter gasoline instead of RFG in those areas.

