



Tropical Cyclone Florence | Report #17 - FINAL

REPORT TIME & DATE: 12:00 PM EDT | Saturday, September 22, 2018
INCIDENT START DATE: Thursday, September 13, 2018
PRIMARY LOCATION(S): North Carolina & South Carolina
REPORT DISTRIBUTION: Public

This will be the final regularly issued Situation Report from the U.S. Department of Energy (DOE) about impacts from Hurricane Florence. DOE/ESF-12 continue to provide support to FEMA and the States as needed.

EXECUTIVE SUMMARY

River flooding persists across portions of the Carolinas following Hurricane Florence. Flooding is expected to continue through the weekend with 8 rivers at major flood stage levels. Flooding continues to impact access to some locations and flood warnings remain in effect across portions of southeastern North Carolina and far northeastern South Carolina.

Electricity Sector Summary

- The following outages have been reported as of 11:00 AM:
 - North Carolina: 18,444 customer outages (0.37%) – Decrease of 66.6% since last report
 - *Outages in South Carolina & Virginia are at pre-storm day-to-day levels. New outages are not a result of impacts from Hurricane Florence*
- Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.
- Restoration efforts are underway across the impacted area and mutual aid crews are supporting local utilities. Heavy flooding continues to limit access to some areas.

Oil & Natural Gas Sector Summary

- All ports have reopened.
- Gasoline inventories at terminals and pipelines in the Lower Atlantic region were 10% higher than the 5-year average as of the week ending on September 14.
- Coastal areas impacted by Florence in North Carolina continue to experience localized outages at retail fuel stations due to power outages and conditions preventing resupply from terminals.
 - As of 1:00 AM on September 22, 13% of North Carolina gas stations and 6% of South Carolina gas stations were reported out-of-service due to lack of fuel or power according to data from GasBuddy. An update has not been provided for all stations following the storm.
- A regional hour-of-service waiver is in effect for the impacted area and surrounding states.

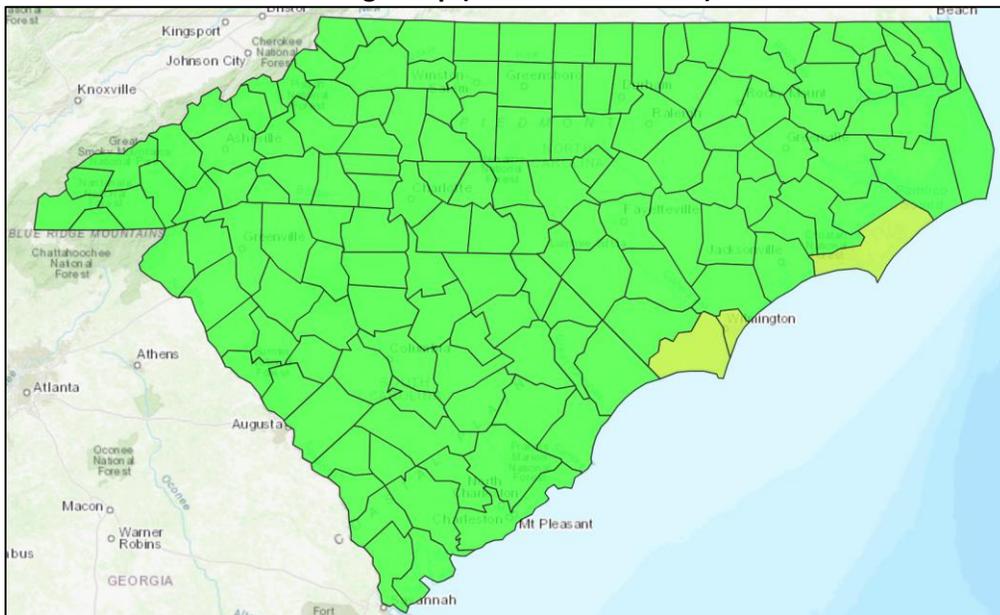
ELECTRICITY SECTOR

POWER OUTAGES

ELECTRICITY OUTAGES AS OF 11:00 AM EDT 09/22/2018			
Impacted State	Current Confirmed Customer Outages	Percent of Total Customers in State without Power	24-Hour Peak Customer Outages
North Carolina	18,444	0.37%	55,232
South Carolina	1,058	0.04%	5,118
Total	19,502	-	*

**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.*

Outage Map (as of 11:00 AM EDT)



ELECTRICITY IMPACTS & RESTORATION EFFORTS

- Restoration efforts are underway across the impacted areas. Utilities indicated that high water is expected to hamper restorations in some areas, but the crews are making efforts to reach all locations.
- Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.
- Electric utilities are working with communication utilities and providers to coordinate and prioritize restoration efforts. ESF #12 and ESF #2 will facilitate any connections as needed.

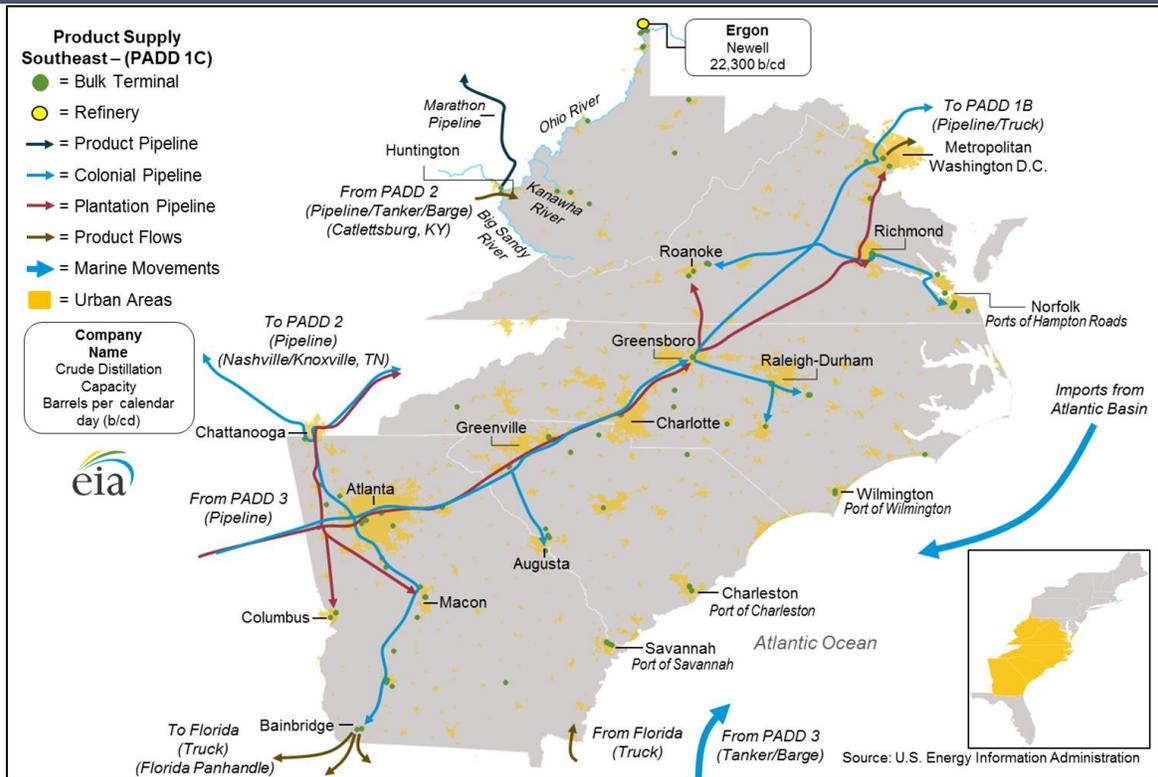
NORTH CAROLINA

18,444 Customer Outages | **↓ 66.6%** since Sep 21, 11:00 AM EDT | **55,232** 24-hr Peak Outages

SOUTH CAROLINA

1,058 Customer Outages | **↓ 12.9%** since Sep 21, 11:00 AM EDT | **5,118** 24-hr Peak Outages

PETROLEUM SECTOR



PRODUCT PIPELINES

- No significant issues have been reported at this time.

PORTS

- Port Sectors Maryland, Hampton Roads, Charleston, and Savannah are open without restrictions.
- The Port of Wilmington is at Port Condition Recovery and is open with restrictions (daylight transit only). As of 9/18, the Port of Wilmington’s power has been restored to the South Terminal. Initial port assessment reported all berths are available. Port of Wilmington will be open to full commercial truck traffic on Sept 24.

FUEL STOCKS

- For the week ending on September 14, the Lower Atlantic Region (WV, VA, NC, SC, GA, & FL) had 26.0 million barrels of total gasoline stocks, or 10% higher than the 5-year average for this time of year, according to the U.S. Energy Information Administration (EIA). Also, the Lower Atlantic Region had 11.4 million barrels of total distillate stocks, or 12% lower than the 5-year average for this time of year. For these fuels, inventory levels include volumes at refineries, bulk terminals and blenders, and in pipelines. EIA does not survey inventories held at retail stations.

RETAIL FUEL STATIONS

- As of 1:00 AM, September 22, 13% of North Carolina gas stations and 6% of South Carolina gas stations were reported out-of-service due to lack of fuel, lack of power, or both, according to GasBuddy.com. The majority of these outages are located in the coastal areas of Wilmington, Greenville-New Bern, Raleigh-Durham, and Myrtle Beach-Florence.
- States continue to work 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 11:00 AM EST 09/20/2018				
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
Kentucky	State of Emergency Declaration	09/11	10/11	Active
Tennessee	State of Emergency Declaration	09/11	10/11	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 11:00 AM EST 09/20/2018				
State(s)	Waiver	Effective Dates		Status
		Start	End	
North Carolina, South Carolina	RFG comingling regulations	09/11	10/01	Active
Georgia, parts of Virginia	RFG comingling regulations	09/12	09/30	Active
Southern Virginia	RFG requirements	09/12	09/30	Active
North Carolina	Restriction on red-dyed diesel fuel for highway use	09/17	09/28	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:

- [Reformulated gasoline \(RFG\) regulations](#) at 40 C.F.R. § 80.78(a)(7), thus allowing the comingling 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.
- [Highway diesel fuel “no red dye” requirements](#) in North Carolina are waived, thus allowing the sale, distribution and use of red dyed non-road locomotive and marine (NRLM) diesel fuel for use in highway diesel vehicles, but the diesel fuel must meet the 15ppm standard set forth at 40 C.F.R. § 80.520.



OTHER FEDERAL WAIVERS

- On September 13, **PHMSA** issued an Emergency **Stay of Enforcement for pipeline and LNG facility operators** affected by Hurricane Florence. Under the stay, PHMSA does not intend to take enforcement action relating to operators' temporary noncompliance with qualification requirements found in 49 C.F.R. §§ 192.801–192.809 and 195.501–195.509, or pre-employment and random drug testing requirements found in 49 C.F.R. § 199.105(a), (c) arising from the use of personnel for pipeline activities related to response and recovery. The stay will remain in effect until October 28, unless PHMSA determines an extension is required.
- On September 12, **PHMSA** issued a **Waiver of the Hazardous Materials Regulations** (HMR, 49 C.F.R. Parts 171-180) to allow the EPA and USCG to conduct their ESF #10 response activities to safely remove, transport, and dispose of hazardous materials. Persons conducting operations under the direction of EPA Regions 3 or 4 or USCG Fifth or Seventh Districts within the Hurricane Florence emergency areas of South Carolina, North Carolina, and Virginia are authorized to offer and transport non-radioactive hazardous materials under alternative safety requirements imposed by EPA Regions 3 or 4 or USCG Fifth or Seventh Districts when compliance with the HMR is not practicable. Under this Waiver Order, non-radioactive hazardous materials may be transported to staging areas within 50 miles of the point of origin. Further transportation of the hazardous materials from staging areas must be in full compliance with the HMR. This Waiver Order will remain in effect for 30 days from the date of issuance.
- On September 14, **EPA** issued No Action Assurances (NAAs) as requested by North Carolina, South Carolina, Virginia, and Georgia to help avoid delays in fuel distribution. EPA policy allows the Agency to issue NAAs in cases where it is necessary to avoid extreme risks to public health and safety and where no other mechanism can adequately address the matter. Under these NAAs, EPA will not pursue enforcement actions against tanker trucks under air quality regulations governing the testing for tank tightness and associated documentation.
- On September 14, **EPA** issued two No Action Assurances (NAAs) as requested by Virginia and North Carolina regarding the loading and unloading of fuel at bulk gasoline terminals, pipeline breakout stations, marine tank vessel loading operations, and gasoline loading racks. Pursuant to these NAAs and the conditions contained in them, EPA will **not pursue enforcement actions for violations of the Clean Air Act vapor recovery requirements for these fuel loading and unloading operations** in those states.
- On September 17, the **IRS** issued a waiver exempting tax penalties for the sale of dyed diesel fuel for highway use in the state of North Carolina.

