



## Hurricane Dorian | Report #14 - FINAL

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**REPORT TIME & DATE:** 10:30 AM EDT | Saturday, September 07, 2019  
**INCIDENT START DATE:** August 28, 2019  
**PRIMARY LOCATION(S):** Florida, Georgia, South Carolina, North Carolina, and Virginia  
**REPORT DISTRIBUTION:** Public

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*This will be the final DOE Situation Report related to Hurricane Dorian.*

### EXECUTIVE SUMMARY

As of 8:00 AM EDT, Hurricane Dorian was 160 miles southeast of Nantucket, MA, moving northeast at 25 MPH, with maximum sustained winds of 85 MPH (category 1). Hurricane-force winds extend outward up to 105 miles and tropical storm-force winds extend outward up to 310 miles from the center. A northeast motion is expected through Sunday. On the forecast track, the center of Dorian should pass to the southeast of extreme southeastern New England this morning and then move across Nova Scotia and Newfoundland later today and tonight. The DOE Energy Response Organization is beginning to deactivate and Emergency Support Function (ESF) – 12 responders are demobilizing.

#### Electricity Sector Summary

- Current Outages (as of 9:00 AM EDT):
  - South Carolina: 28,525 customer outages (-69% since 9/6 @ 3:15 PM EDT)
  - North Carolina: 57,776 customer outages (-61% since 9/6 @ 3:15 PM EDT)
  - Virginia: 3,775 customer outages (-87% since 9/6 @ 3:15 PM EDT)
- Utilities across the affected region have begun damage assessments and restoration efforts as condition permit and have already restored numerous customers.
- Mutual assistance crews from 36 states and the District of Columbia have been supporting restoration efforts and no unmet needs for crews, equipment, or materials have been reported.

#### Oil & Natural Gas Sector Summary

- Overall the fuel supply chain throughout the impacted area remains stable.
- Per the Energy Information Administration, stocks of fuel in the Lower Atlantic Region (PADD 1C: WV, VA, NC, SC, GA, and FL) are within the 5-year range, with gasoline 8% above the 5-year average and distillate (diesel) lower 12% above 5-year average in the region.
- Jet fuel stocks are 7% above the 5-year average across the East Coast (PADD 1).
- Ports in Florida, Georgia, South Carolina, and North Carolina have reopened.

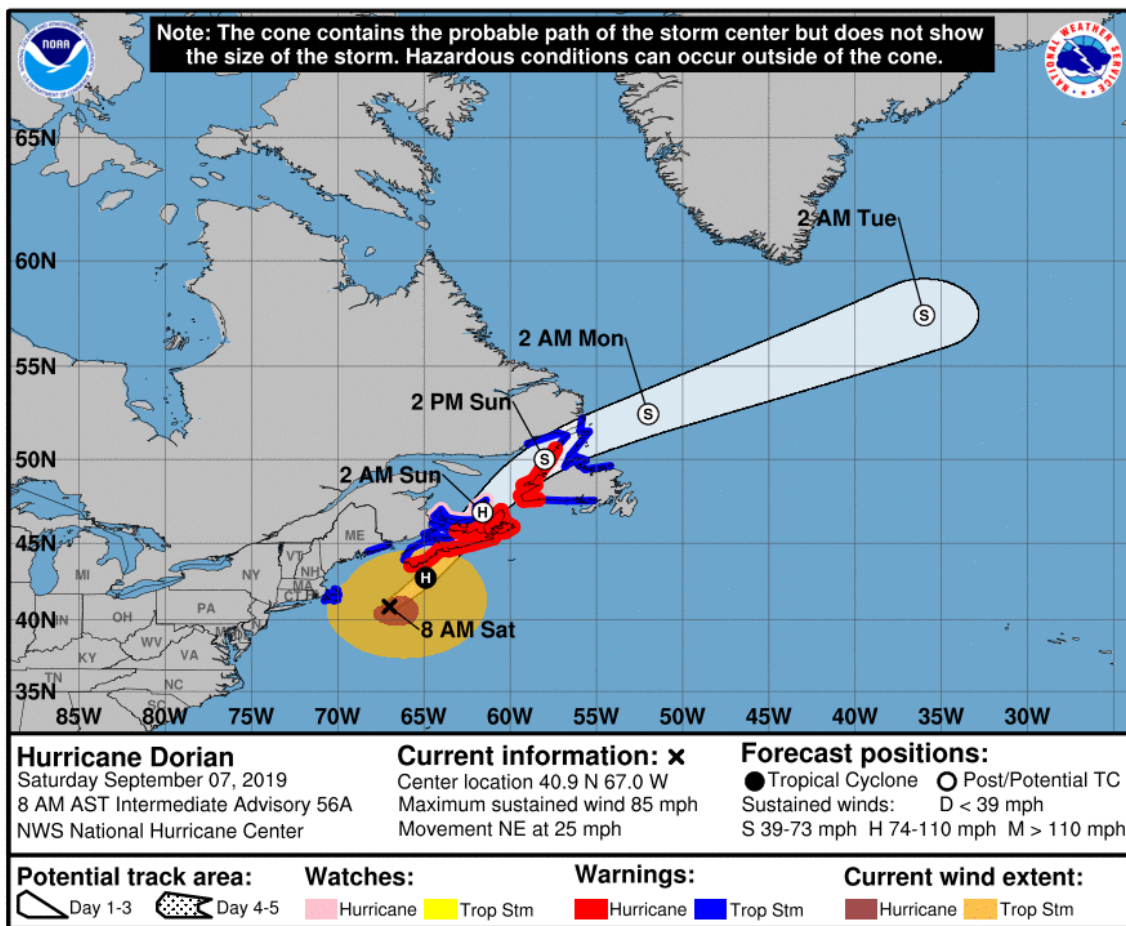


### Hurricane Dorian

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Dorian is expected to produce an additional 3 to 5 inches of rain, with isolated totals up to 7 inches, across portions of Nova Scotia.

A hurricane warning is in effect for eastern Nova Scotia, from Lower East Pubnico to Brule and for western Newfoundland, from Indian Harbor to Hawke’s Bay. A tropical storm warning is in effect for Woods Hole, MA to Sagamore Beach, MA; Nantucket and Martha’s Vineyard; east of Bar Harbor, ME to Eastport, ME; Prince Edward Island; southwestern Nova Scotia from Avonport to north of lower east Punbinco and surrounding coastal areas.



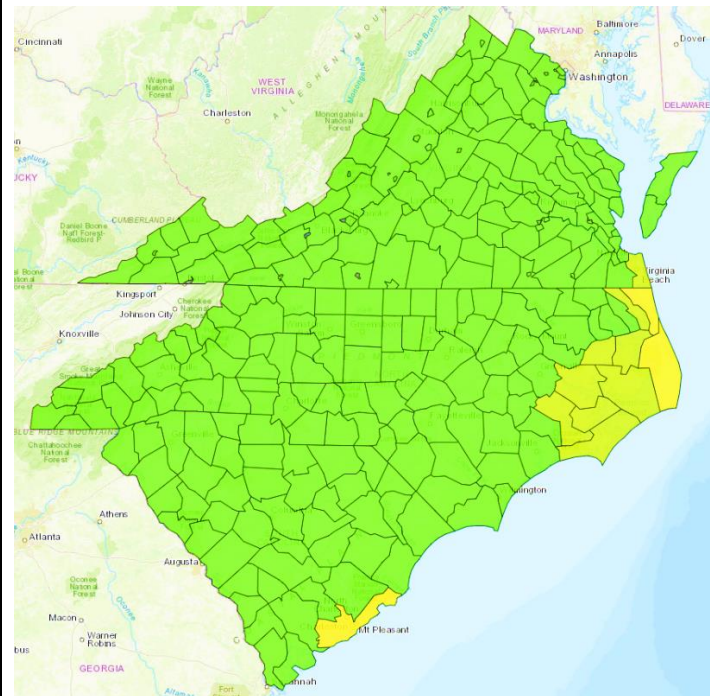
## ELECTRICITY SECTOR

### CURRENT POWER OUTAGES

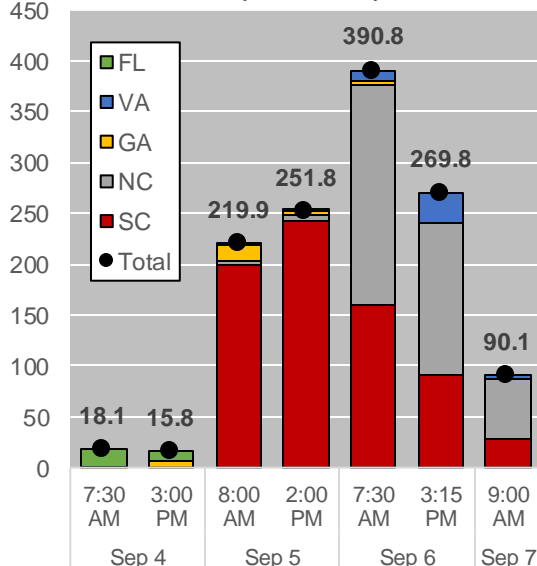
- As of 9:00 AM EDT Sept. 7, there are approximately 90,076 customers without power in the impacted by Hurricane Dorian. This number is down 179,687 (-67%) from 3:15 PM EDT Sept. 6. Utility crews are actively restoring power. Remaining outages are concentrated in Charleston, SC and northeastern North Carolina, especially around the Outer Banks.
- Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.

**Hurricane Dorian Customer Power Outages as of 9:00 AM EDT 09/07/2019**

State	Current Outages	% of State Without Power
North Carolina	57,776	1%
South Carolina	28,525	1%
Virginia	3,775	<1%
<b>Total</b>	<b>90,076</b>	



**Hurricane Dorian Power Outages (Thousands)**



## STATE DETAILS

<b>North Carolina</b>	<b>Current Outages 9:00 AM 9/7</b>	<b>Change Since 3:15 PM 9/6</b>	<b>% Change Since 3:15 PM 9/6</b>
<b>North Carolina</b>	<b>57,776</b>	<b>-90,894</b>	<b>-61%</b>
Dominion Energy North Carolina	26,388	-19,418	-42%
Duke Energy Carolinas	12,142	-44,747	-79%
Other Utilities	19,246	-26,729	-58%

**North Carolina Investor-Owned Utilities**

**Duke Energy Carolinas**

- Thousands of Duke Energy crews are actively assessing damage, removing debris, and restoring service in the Carolinas.
- As of Sept. 3, Duke Energy Carolinas reported that nearly 9,000 field personnel were ready to respond to Hurricane Dorian in the Carolinas.

**Dominion Energy North Carolina (DENC)**

- Damage assessment is ongoing in Outer Banks, Elizabeth City, and Williamston, with no current estimated time of restoration.
- Across Dominion Energy's entire service area in SC, NC, and VA, 10,000 employees, contract crew members, and off-system crews are helping with restoration efforts.

<b>South Carolina</b>	<b>Current Outages 9:00 AM 9/7</b>	<b>Change Since 3:15 PM 9/6</b>	<b>% Change Since 3:15 PM 9/6</b>
<b>South Carolina</b>	<b>28,525</b>	<b>-63,297</b>	<b>-69%</b>
Dominion Energy South Carolina	17,816	-41,428	-70%
Berkeley Electric Coop Inc	10,138	-15,392	-60%
Other Utilities	571	-6,477	-92%

**South Carolina Investor-Owned Utilities**

**Dominion Energy South Carolina (DESC) (formerly South Carolina Electric & Gas)**

- Crews are working around the clock to restore power to customers.
- DESC expects to reach 95% customer restoration in the following counties by:
  - 11:00 PM EDT Sept. 8 in Charleston County, the hardest-hit county within DESC's service area. Repairs in highly impacted coastal zones may extend beyond Sept. 8.
  - 11:00 PM EDT Sept. 7 in Dorchester County.
  - 9:00 AM EDT Sept. 7 in Beaufort County.
  - Crews in Berkeley County are continuing to restore power on Sept. 7.
- Across DESC's entire service area in SC, NC, and VA, 10,000 employees, contract crew members, and off-system crews are helping with restoration efforts.

**South Carolina Municipal, State, and Cooperative Utilities**

**Berkeley Electric Cooperative (BEC)**

- As of 8:00 AM EDT Sept. 7, outages in Moncks Corner and Goose Creek districts are nearly entirely restored, with lingering outages in Johns Island and Awendaw. Once Moncks Corner and Goose Creek are fully restored, BEC will shift all restoration resources to the coastal districts.
- BEC crews continues to work continuously to restore power to customers. As of 5:00 PM EDT Sept. 6, over 400 crew members were working on restoration, and BEC had not yet released any outside crews from restoration efforts.
- As of 1:00 PM EDT Sept. 6, BEC crews were making steady progress addressing outages. There were over 30 broken utility poles in the BEC service area, as well as damage from trees to the lines, crossarms, and other equipment. BEC reported that crews in some locations have to cut their way through debris to access the affected lines. BEC committed significant resources to the Johns Island district, which experienced at least 24 broken poles and the most overall damage of any district in the BEC service area.
- BEC crews are supported by an additional 239 personnel from cooperative crews in Arkansas, Georgia, and South Carolina.

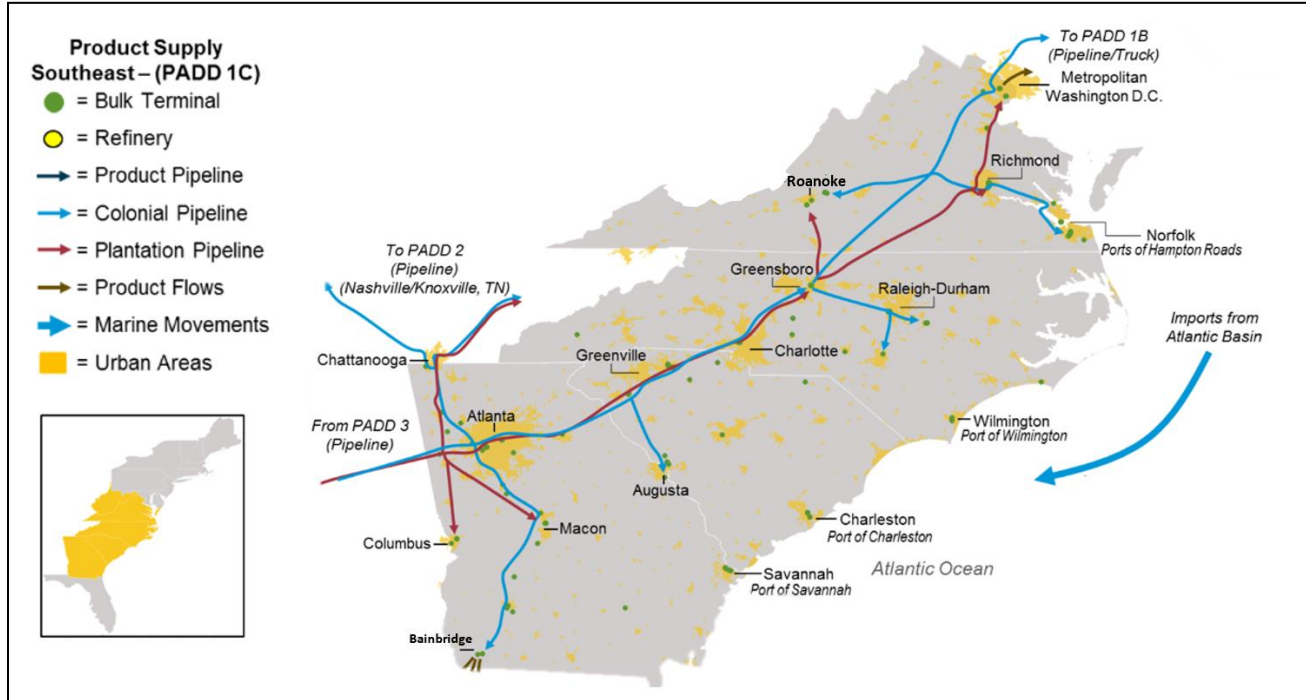
<b>Virginia</b>	<b>Current Outages 9:00 AM 9/7</b>	<b>Change Since 3:15 PM 9/6</b>	<b>% Change Since 3:15 PM 9/6</b>
<b>Virginia</b>	<b>3,775</b>	<b>-25,197</b>	<b>-87%</b>
Dominion Energy Virginia	3,633	-24,888	-87%
Other Utilities	142	-309	-69%

**Dominion Energy Virginia (DEV)**

- DEV estimates that power will be restored to Norfolk and Chesapeake by 5:00 PM EDT Sept. 7.
- Damage assessment is ongoing in Virginia Beach, with no current estimated time of restoration.
- Across DEV’s entire service area in SC, NC, and VA, 10,000 employees, contract crew members, and off-system crews are helping with restoration efforts.

**PETROLEUM SECTOR**

In the Southeast virtually all fuels are supplied via the Colonial and Plantation pipeline systems from the Gulf Coast. Ports along the states' Atlantic coasts (Savannah, Charleston, Wilmington, and Norfolk) also receive smaller volumes of fuels via ocean-going marine vessels from foreign and domestic sources.



**PORTS**

- The U.S. Coast Guard has set the following conditions for East Coast ports. Listed in the table are select ports that receive petroleum products.

Status of Southeast Ports as of 9:30 AM EDT 09/07/2019				
Port Sector	Port	2017 Volumes (b/d)*	Status	Date Stamp
Jacksonville	Jacksonville, FL	86,000	Open. No Restrictions.	9/5
	Port Canaveral, FL	54,000	Open. No Restrictions.	9/5
Savannah	Savannah, GA	19,000	Open. No Restrictions.	9/6
Charleston	Charleston, SC	24,000	Open. No Restrictions.	9/6
North Carolina	Wilmington, NC	3,000	Open with restrictions. Daylight transit only.	9/6
Hampton Roads	Norfolk, VA	14,000	Port Condition Zulu. Closed.	9/5

\*Transportation fuels (gasoline, distillate, jet fuel) volumes only.  
 Source: U.S. Coast Guard [Homeport](#), U.S. Army Corp of Engineers, EIA Company Level Imports



## FUEL INVENTORIES

- According to the Energy Information Administration (EIA), for the week ending on August 30, the Lower Atlantic Region (PADD 1C: WV, VA, NC, SC, GA, and FL) had total stocks of:
  - 28.4 million barrels of gasoline (8% higher than the 5-year average for this time of year).
  - 11.3 million barrels of distillate (12% lower than the 5-year average for this time of year).
- EIA reports the East Coast Region (all of PADD 1) had 10.3 million barrels of total jet fuel stocks for the week ending on August 30. This is 7% higher than the 5-year average for this time of year. Jet fuel stocks are not broken out by sub-PADD region.

## 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 <i>as of 8:00 AM EDT 09/05/2019</i>				
State/Territory	Details	Effective Dates		Status
		Start	End	
AL, FL, GA, KY, LA, MS, NC, SC, TN, VA, PR, USVI	FMCSA Regional Declaration of Emergency (Hour-of-Service Wavier)	8/29/2019	9/28/2019	Active
Florida	Federal State of Emergency	8/30/2019	--	Active
Seminole Tribe of Florida	Federal State of Emergency	9/1/2019	--	Active
Georgia	Federal State of Emergency	9/2/2019	--	Active
South Carolina	Federal State of Emergency	9/2/2019	--	Active
North Carolina	Federal State of Emergency	9/3/2019	--	Active
Florida	State of Emergency	8/28/2019	60 days unless extended	Active
Georgia (30 counties)	State of Emergency	8/29/2019	--	Active
South Carolina	State of Emergency	8/31/2019	30 days unless extended	Active
North Carolina	State of Emergency	8/30/2019	30 days unless extended	Active
Tennessee	State of Emergency	9/2/2019	--	Active
Virginia	State of Emergency	9/2/2019	--	Active
Kentucky	HOS Waiver	8/30/2019	9/29/2019	Active
North Carolina	HOS Waiver	8/31/2019	30 days or duration of emergency	Active
Puerto Rico	State of Emergency	8/26/2019	Until rescinded	Active
Virgin Islands	State of Emergency	8/28/2019	Until rescinded	Active

Sources: [U.S. Department of Transportation](#); [White House](#); 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 09/05/2019				
State/Territory	Details	Effective Dates		Status
		Start	End	
Florida	<a href="#">RVP and RFG Waiver</a>	8/30/2019	9/15/2019	Active
Florida	<a href="#">Restriction on red-dyed diesel fuel for highway use</a>	8/30/2019	9/15/2019	Active
Florida	NAA for Vapor Recovery Systems at Fuel Distribution Terminals	8/30/2019	9/15/2019	Active
Florida	NAA for Loading of Tanker Trucks at Fuel Distribution Terminals	8/30/2019	9/15/2019	Active
Georgia	NAA for Loading of Tanker Trucks at Fuel Distribution Terminals	9/2/2019	9/15/2019	Active
South Carolina	NAA for Loading of Tanker Trucks at Fuel Distribution Terminals	9/2/2019	9/15/2019	Active
North Carolina	NAA for Loading of Tanker Trucks at Fuel Distribution Terminals	9/3/2019	9/15/2019	Active

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

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 in Florida for:

- Gasoline Reid Vapor Pressure (RVP) regulations requiring the use of low volatility conventional gasoline (CG) during the high ozone season are found at 40 C.F.R. § 80.27. The waiver allows use of higher vapor pressure gasoline about two weeks earlier than normal.
- Reformulated gasoline (RFG) regulations at 40 C.F.R. § 80. 78(a)(7), which prohibit any person from combining any reformulated blendstock for oxygenate blending (RBOB) with any other gasoline, blendstock, or oxygenate, except for the oxygenate of the type and amount specified by the refiner that produced the RBOB.
- Highway diesel fuel “no red dye” requirements, 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.

The EPA has also issued No Action Assurance (NAA) in some states for:

- Loading of Tank Fuel Trucks at Petroleum Distribution Terminals: no enforcement of tank tightness and documentation requirements of 40 C.F.R. Part 60, Subpart XX, 40 C.F.R. Part 63 Subpart R, and any counterpart in the Florida SIP.
- Vapor Recovery Systems at Fuel Distribution Terminals: no enforcement of vapor recovery requirements for fuel loading and unloading under 40 C.F.R. Part 60, Subpart XX, 40 C.F.R. Part 63 Subparts R, Y, CC, and BBBB, and any counterpart in the Florida SIP.



**OTHER FEDERAL WAIVERS**

- On August 30, the **Pipeline and Hazardous Materials Safety Administration (PHMSA)** issued an **Emergency Stay of Enforcement** for interstate pipeline operators in Florida dealing with the situation presented by Hurricane Dorian. PHMSA is considering providing similar notices for other states that may be affected. Specifically, PHMSA will not object to waiving the following requirements:
  - Pre-employment and random drug testing to facilitate mutual aid amongst operators (49 CFR 199.105).
  - All pipeline workers performing critical safety tasks, known as “covered tasks” are properly qualified and familiar with regulatory and company policies and procedures. (49 CFR Part 192 Subpart N and 49 CFR Part 195 Subpart G).