



Hurricane Dorian | Report #4

REPORT TIME & DATE:	11:00 AM EDT Sunday, September 01, 2019
INCIDENT START DATE:	August 28, 2019
PRIMARY LOCATION(S):	Florida, Georgia, South Carolina, and North Carolina
REPORT DISTRIBUTION:	Public

EXECUTIVE SUMMARY

As of 11:00 AM EDT, Hurricane Dorian was 205 miles east of West Palm Beach, FL, moving west at 7 MPH, with maximum sustained winds of 180 MPH (category 5). Hurricane-force winds extend outward up to 45 miles and tropical storm-force winds extend outward up to 140 miles from the center. A slower westward motion should continue for the next day or two, followed by a gradual turn toward the northwest. On this track, the core of Hurricane Dorian should move closer to the Florida east coast late Monday through Tuesday night. The DOE Energy Response Center is activated in response to Hurricane Dorian and is coordinating with interagency and industry partners.

Electricity Sector Summary

- Utilities across the potentially affected region are preparing for potential impacts from Dorian.
- Utilities are holding daily mutual assistance coordination calls and mutual assistance crews are pre-positioning from over 30 states and Canada to support restoration efforts post-storm.

Oil & Natural Gas Sector Summary

- 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 2% above the 5-year average and distillate (diesel) stocks 1% above 5-year average in the region.
- Jet fuel stocks are 11% above the 5-year average across the East Coast (PADD 1).
- While stocks throughout the region are robust, there have been reports of rolling retail fuel station outages from increased demand. Industry partners are working closely with the states to help expedite fuel resupply shipments.
- Retail fuel availability across Florida is beginning to stabilize as most residents complete pre-storm refueling and trucks are able to resupply stations. Retail stations are continuing to see above-normal demand in Jacksonville and northern areas of Florida based on the latest storm track, but demand has peaked.
- Petroleum markets remain fully mobilize to resupply stations as needed.

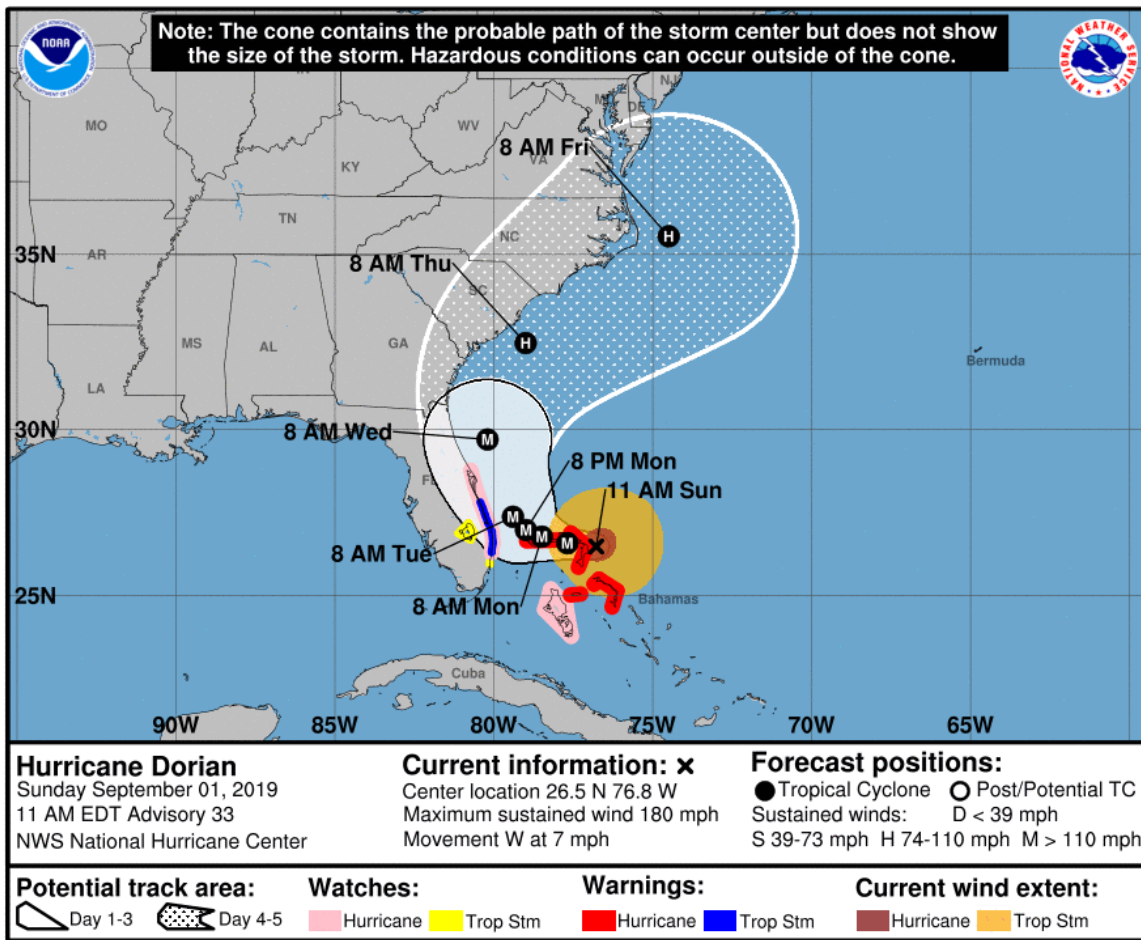


Hurricane Dorian

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Dorian is expected to produce 5 to 10 inches of rainfall, with isolated totals up to 15 inches, across coastal areas of the Carolinas and 2 to 4 inches, with isolated totals up to 6 inches, across the Florida peninsula and Georgia. If peak surge occurs during high tide, a storm surge of 4 to 7 feet is possible in Florida from the Volusia/Brevard county line to the Jupiter Inlet, with 2 to 4 feet possible from north of Deerfield Beach to the Jupiter Inlet.

A hurricane watch is in effect from north of Deerfield Beach, FL to the Volusia/Brevard county line and a tropical storm warning is in effect from north of Deerfield Beach to the Sebastian Inlet. A tropical storm watch is in effect for Lake Okeechobee and from north of Golden Beach, FL to Deerfield Beach, FL.



ELECTRICITY SECTOR**PREPARATION DETAILS BY STATE****Florida**

- According to the Florida Division of Emergency Management, there are almost 28,000 linemen, tree crews, and support personnel staged around Florida to help quickly restore power. Mutual assistance crews from over 30 states and Canada are pre-positioned to support restoration efforts.

Florida Power & Light

- On August 30, Florida Power & Light (FPL) activated its emergency response plan in anticipation of Hurricane Dorian. As part of this emergency response plan, FPL has pre-positioned crews and materials to support future restoration efforts and is working with utilities nationwide to access additional crew and equipment. As of September 1, FPL secured nearly 16,000 personnel for future restoration efforts.
- Despite extensive investment in grid resilience in recent years, FPL is anticipating potentially extensive outages due to Dorian's magnitude and is advising customers to prepare accordingly.

Duke Energy Florida

- Duke Energy Florida aims to position 10,000 personnel in its service region to support storm response efforts. Over 700 personnel from the Midwest have deployed to Florida to support Duke Energy Florida's future restoration work.
- Duke Energy Florida crews are replacing utility poles and adding additional equipment to substations in advance of the storm.

Tampa Electric

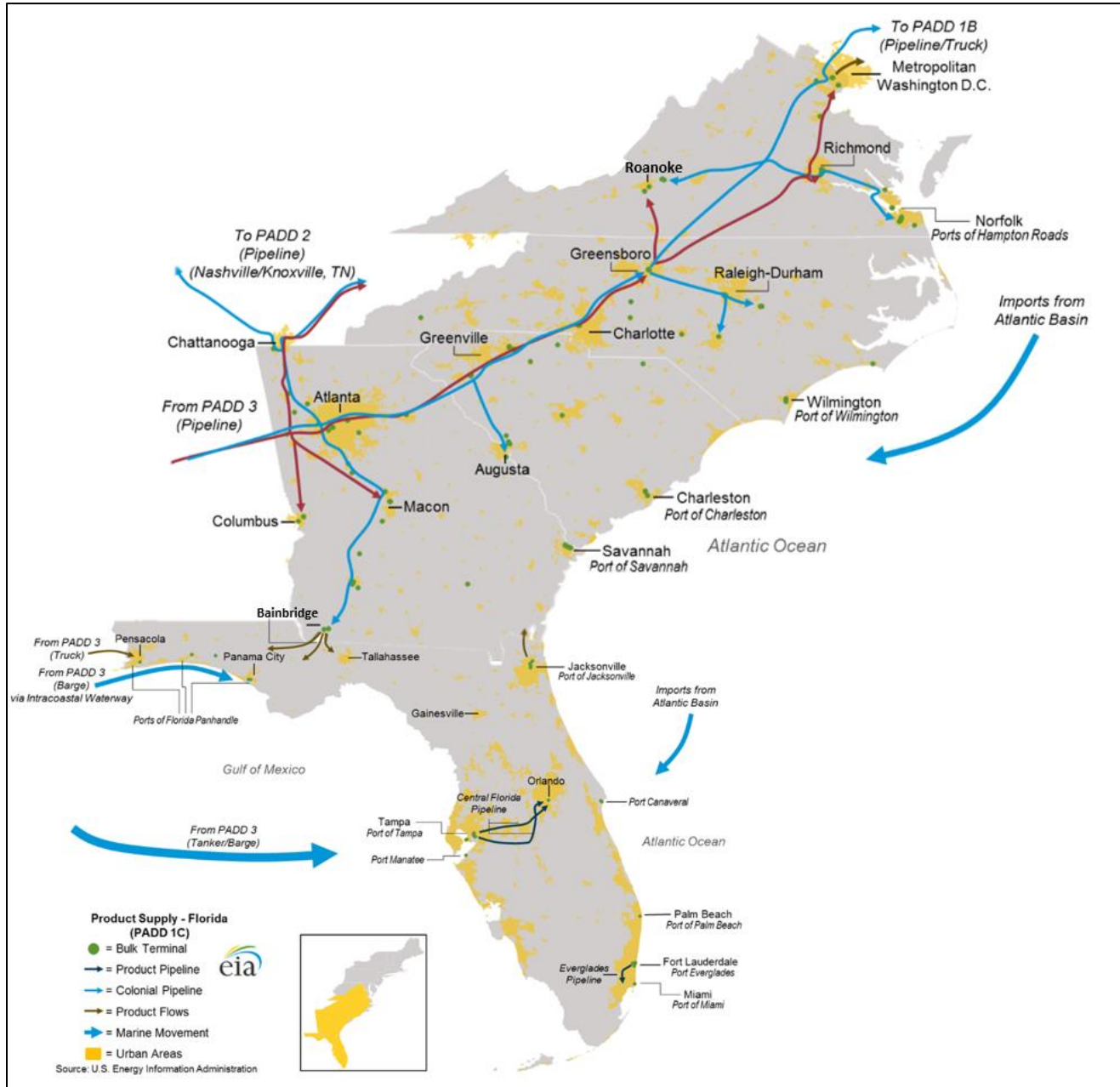
- Although the Tampa Bay area is no longer immediately threatened by Hurricane Dorian, Tampa Electric Company (TECO) has advised customers to remain vigilant and anticipate rain and high winds.

Georgia**Georgia Power**

- Georgia Power is monitoring the storm forecast as it becomes more certain and is reminding customers to prepare for the storm by creating an emergency kit.

PETROLEUM SECTOR

Florida’s fuel supply relies overwhelmingly on domestic- and foreign-sourced marine deliveries to the state’s ports along the Atlantic Ocean (Port Everglades, Port Canaveral, and Jacksonville) and Gulf of Mexico (Port Tampa, Port Manatee, Panama City, and Pensacola). Parts of northern Florida also receive fuel truck deliveries from Georgia and Alabama. Within Florida, the Central Florida Pipeline delivers fuel from the Port of Tampa to the Orlando market. In **Georgia, South Carolina, and North Carolina** virtually all fuels are supplied via the Colonial and Plantation pipeline systems from the Gulf Coast. Ports along the states’ Atlantic coasts (Savannah, Charleston, and Wilmington) 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 in preparation for Hurricane Dorian. Listed in the table are select ports that receive petroleum products.

Status of Florida Ports as of 11:00 AM EDT 09/01/2019				
Port Sector	Port	2017 Volumes (b/d)*	Status	Date Stamp
Jacksonville	Jacksonville, FL	86,000	Port Condition X-Ray. Open.	8/30
	Port Canaveral, FL	54,000	Port Condition Yankee. Open with restrictions.	8/31
Miami	Miami, FL	1,000	Port Condition Yankee. Open with restrictions.	8/31
	Port Everglades, FL	298,000	Port Condition Yankee. Open with restrictions.	8/31
St. Petersburg	Tampa, FL	297,000	Port Condition X-Ray. Open.	8/30
	Port Manatee, FL	12,000	Port Condition X-Ray. Open.	8/30
Savannah	Savannah, GA	19,000	Port Condition X-Ray. Open.	8/30
Charleston	Charleston, SC	24,000	Port Condition Whiskey. Open.	8/31
North Carolina	Wilmington, NC	3,000	Open. Moving to Port Condition Whiskey at noon on 9/1	8/31

*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 STOCKS

- According to the Energy Information Administration (EIA), for the week ending on August 23, the Lower Atlantic Region (PADD 1C: WV, VA, NC, SC, GA, and FL) had:
 - 27.9 million barrels of total gasoline stocks. This is 2% higher than the 5-year average for this time of year.
 - 12.9 million barrels of total distillate stocks. This is 1% higher than the 5-year average for this time of year.
- EIA reports, for the week ending on August 23, the East Coast Region (all of PADD 1) had 10.7 million barrels of total jet fuel stocks, according to EIA. This is 11% higher than the 5-year average for this time of year. Jet fuel stocks are not broken out by sub-region.
- Fuel stocks below the 5-year average are within the 5-year range and do not indicate a problem. Fuel is regularly redistributed within the Lower Atlantic region to meet anticipated demand and fuel stocks within Lower Atlantic are within the 5-year range.

OFFSHORE PRODUCTION

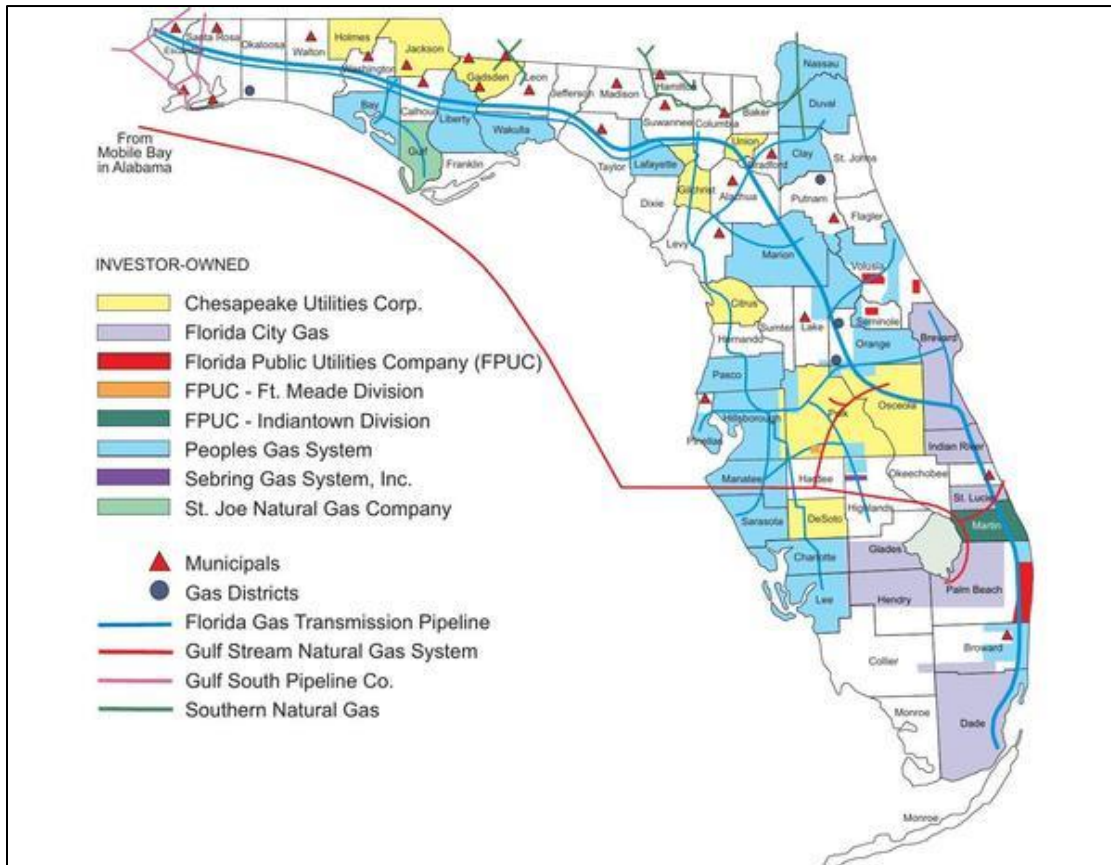
- Planned evacuations of non-essential personnel were executed at six offshore platforms on August 30 as a precautionary measure.

RETAIL FUEL STATIONS

- According to the Florida Petroleum Marketers Association, gasoline demand at retail stations in Florida has begun to stabilize to normal levels as residents have filled their tanks and the revisions to the storm track. Continuing to see above-normal demand in Jacksonville and northern areas of Florida based on latest storm track, but demand has peaked. Petroleum markets remain fully mobilized to resupply stations as needed.

NATURAL GAS SECTOR

Natural gas to the Southeast region of the United States is supplied by a number of interstate pipelines from the Gulf Coast region and Appalachia regions.



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 10:00 AM EDT 09/01/2019</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	8/29/2019	9/28/2019	Active
Florida	Federal State of Emergency	--	--	Active
Florida	State of Emergency	8/28/2019	60 days unless extended	Active
Georgia (12 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
Kentucky	HOS Waiver	8/30/2019	9/29/2019	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 <i>as of 10:00 AM EST 09/01/2019</i>				
State/Territory	Details	Effective Dates		Status
		Start	End	
Florida	RVP Waiver	8/30/2019	9/15/2019	Active
Florida	Restriction on red-dyed diesel fuel for highway use	8/30/2019	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 of:

- 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.
- 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 August 30, the **Pipeline and Hazardous Materials 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)