



Tropical Storm Dorian | Report #1

REPORT TIME & DATE: 11:00 AM EDT | Wednesday, August 28, 2019
INCIDENT START DATE: August 28, 2019
PRIMARY LOCATION(S): Puerto Rico & U.S. Virgin Islands
REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

As of 11:00 AM EDT, Tropical Storm Dorian was 25 miles southeast of St. Croix, moving northwest at 13 MPH, with maximum sustained winds of 70 MPH. Tropical storm-force winds extend outward up to 80 miles. Dorian is forecast to move over or near the U.S. Virgin Islands and Puerto Rico this afternoon and then continue over the open Atlantic. Dorian may approach the east coast of Florida and/or Georgia early next week. The DOE Energy Response Organization has been activated and DOE ESF #12 responders have been deployed to the National Response Coordination Center and Puerto Rico, with a responder pre-positioned to deploy to the U.S. Virgin Islands.

Electricity Sector Summary

- The Puerto Rico Electric Power Authority (PREPA) is preparing for impacts from Tropical Storm Dorian. PREPA is realigning resources to support impacts to the eastern portion of Puerto Rico. PREPA reports that they have approximately 1,200 lineworkers available to support restoration efforts. PREPA is holding daily coordination calls with the American Public Power Association to discuss resource requirements. The New York Power Authority also has personnel on island.
- The Virgin Islands Water and Power Authority (VIWAPA) has established an incident command to support impacts from Tropical Storm Dorian. VIWAPA has contract crews available to support restoration efforts once the storm passes.

Oil & Natural Gas Sector Summary

- All ports in Puerto Rico and the U.S. Virgin Islands are closed.
- Fuel Inventory (Puerto Rico): Buckeye and other fuel terminal operators have 40-60 days of fuel supply onsite, and all companies have checked backup generators are working.
- Fuel Inventory (USVI): St. Croix has 13.5 days of diesel supply and 12.5 days of propane.

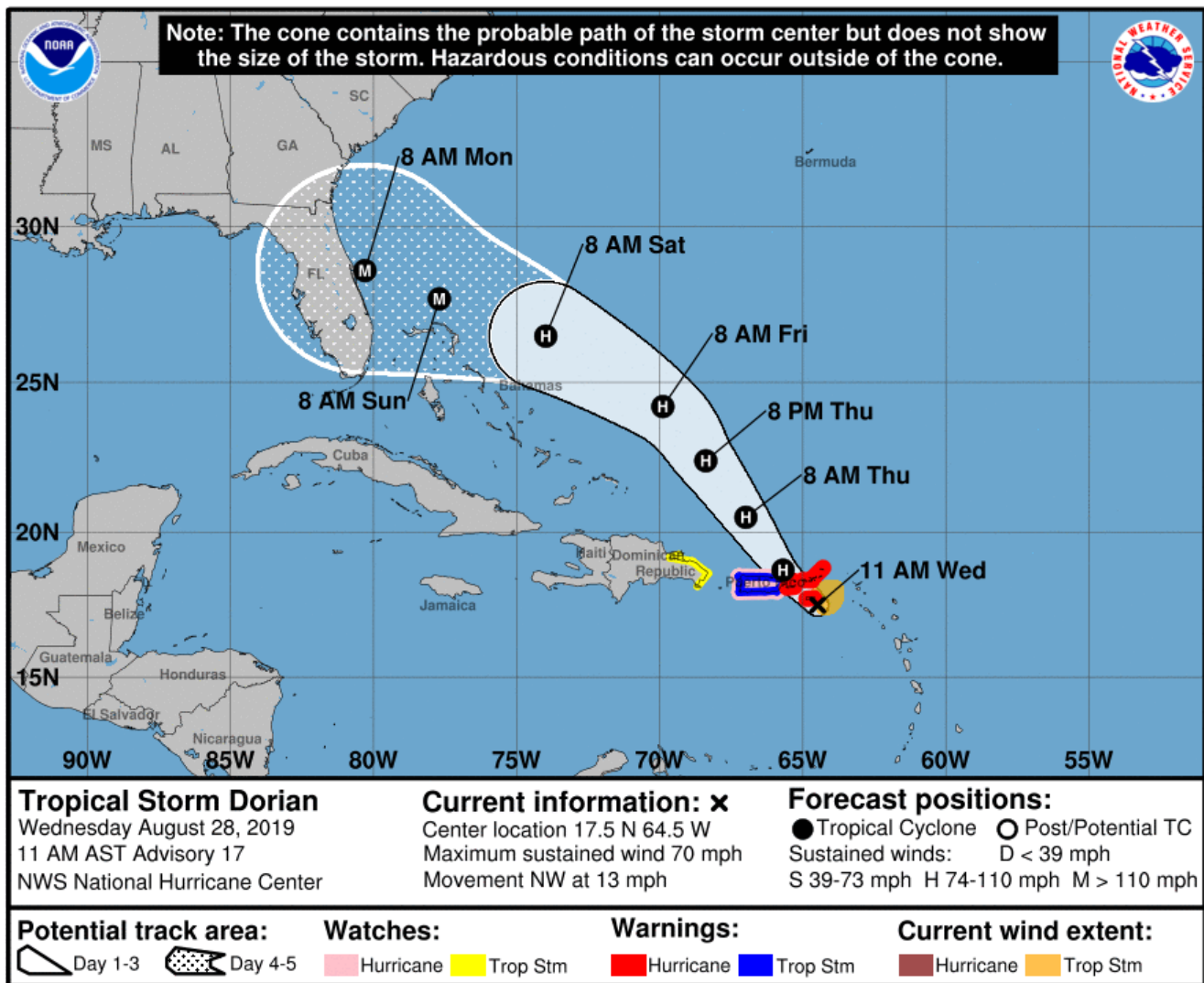


Tropical Storm Dorian

As of 11:00 AM EDT, Tropical Storm Dorian was 25 miles southeast of St. Croix, moving northwest at 13 MPH, with maximum sustained winds of 70 MPH. Tropical storm-force winds extend outward up to 80 miles. On the current forecast track, Dorian should move near or over the U.S. Virgin Islands and Puerto Rico this afternoon and then continue over the open Atlantic well east of the southeastern Bahamas. Dorian may approach the east coast of Florida and/or Georgia early next week.

Dorian is expected to produce 4 to 6 inches of rainfall, with isolated totals up to 10 inches, across eastern Puerto Rico and the Virgin Islands, with 2 to 4 inches expected across western Puerto Rico.

A hurricane warning is in effect for the U.S. Virgin Islands, Vieques, and Culebra. A tropical storm warning and hurricane watch is in effect for Puerto Rico.



ELECTRICITY SECTOR**PREPARATION DETAILS BY TERRITORY****Puerto Rico****Puerto Rico Electric Power Authority**

- The Puerto Rico Electric Power Authority (PREPA) reported a significant inventory of materials, including generators, compared to inventory available prior to Hurricane Maria.
- PREPA reports that they are preparing for impacts from Tropical Storm Dorian and are realigning resources to support impacts to the eastern portion of Puerto Rico.
- PREPA is a member of the American Public Power Association (APPA), which coordinates mutual assistance efforts across municipal utilities. PREPA is holding regular calls to discuss any resource and mutual assistance requirements with APPA.

U.S. Virgin Islands

As of 9:30 AM EDT August 28, Virgin Islands Water & Power Authority (VIWAPA)—the U.S. Virgin Islands' sole electric utility—is reporting 6,981 customer outages. Most of these outages are not related to Tropical Storm Dorian.

Virgin Islands Power and Water Authority

- VIWAPA has established an incident command to support impacts from Tropical Storm Dorian. VIWAPA has contract crews available on St. Croix, St. Thomas, and St. John to support restoration efforts once the storm passes.
- VIWAPA is a member of the American Public Power Association (APPA), which coordinates mutual assistance efforts across municipal utilities. VIWAPA is holding regular coordination calls with APPA.

OIL AND NATURAL GAS SECTOR

Puerto Rico imports petroleum products—primarily residual fuel, motor gasoline, and distillate fuel at four principal ports (San Juan, Yabucoa, Guayanilla, and Ponce) to receive. From terminals at these ports, fuels are distributed by truck to retail stations or by barge to coastal power plants, including plants near Arecibo, Mayaguez, Salinas/Aguirre, and Guayama. Puerto Rico’s power sector is highly reliant on petroleum fuels; 40% of the territory’s power plants burn residual fuel oil and 30% burn diesel fuel. Much of the remaining electricity generation is fueled by natural gas, which is imported through the Peñuelas liquefied natural gas (LNG) import terminal in Guayanilla, where it is regasified and delivered by pipeline to the nearby EcoEléctrica and the Costa Sur generating stations.

The U.S. Virgin Islands imports petroleum products primarily through the ports of Limetree Bay and Christiansted on St. Croix. The petroleum terminal at Limetree Bay is a logistics hub for the Caribbean region, importing, storing, and then exporting petroleum products. St. Thomas mostly receives petroleum products by barge from Puerto Rico, as well by tanker trucks, which are delivered on “roll-on, roll-off” marine vessels. USVI power plants run primarily on fuel oil but propane is a growing source for electricity.

PORTS

- The U.S. Coast Guard has set the following conditions for ports and waterways in Sector San Juan as a result of Tropical Storm Dorian. Listed in the table are select ports that receive petroleum products.

Status of Caribbean Ports as of 9:00 AM EDT 08/28/2019			
Port	2019-to-date Product Imports (b/d) ^A	Date Stamp	Status
Puerto Rico			
San Juan	75,400	Port Condition Zulu. Closed.	8/28/19
Ponce	38,400	Port Condition Zulu. Closed.	8/28/19
Guayanilla		Port Condition Zulu. Closed.	8/28/19
Yabucoa	34,600	Port Condition Zulu. Closed.	8/28/19
Mayaguez	B,C	Port Condition Zulu. Closed.	8/28/19
Arecibo	B,C	Port Condition Zulu. Closed.	8/28/19
Guayama	B,C	Port Condition Zulu. Closed.	8/28/19
Roosevelt Roads	B	Port Condition Zulu. Closed.	8/28/19
Salinas/Aguirre	B,C	Port Condition Zulu. Closed.	8/28/19
U.S. Virgin Islands			
Christiansted, St. Croix	47,000	Port Condition Zulu. Closed.	8/28/19
Limetree Bay, St. Croix		Port Condition Zulu. Closed.	8/28/19
St. John	B	Port Condition Zulu. Closed.	8/28/19
St. Thomas	B,C	Port Condition Zulu. Closed.	8/28/19

^A All petroleum products, excluding asphalt.

^B No direct foreign imports but receives petroleum products from larger ports by barge.

^C Receives fuel for oil-fired power plant.

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 9:00 AM EDT 08/28/2019				
State/Territory	Details	Effective Dates		Status
		Start	End	
Puerto Rico	State of Emergency	8/26/2019	Until rescinded	Active

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