



Hurricane Michael | Report #1

REPORT TIME & DATE: 9:00 AM EDT | Wednesday, October 10, 2018
INCIDENT START DATE: Wednesday, October 10, 2018
PRIMARY LOCATION(S): Alabama, Florida, Georgia, North Carolina, South Carolina
REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

As of 8:00 AM EDT, Hurricane Michael was 90 miles southwest of Panama City, Florida, moving north at 13 MPH, with maximum sustained winds of 145 MPH (category 4). On the forecast track, the eye of Michael is expected to move ashore over the Florida Panhandle early this afternoon and will then move northeastward across the southeastern U.S. tonight and Thursday, before moving off the Mid-Atlantic coast, away from the U.S., on Friday. Tropical-storm force winds began to impact portions of the Gulf Coast of Florida and Alabama this morning.

Electricity Sector Summary

- As of 8:00 AM EDT, there have been no significant outages associated with Hurricane Michael.
- Potentially impacted utilities have pre-staged crews, equipment, and materials and mutual assistance networks have been activated to support restoration efforts.

Oil & Natural Gas Sector Summary

- For the week ending on September 28, total gasoline stocks for the Lower Atlantic Region (WV, VA, NC, SC, GA, and FL), was 15% higher than the 5-year average for this time of year according to the Energy Information Administration.
- As of 6:00 AM October 10, 5.1% of Florida gas stations, 1.8% of Georgia gas stations, and 1% of Alabama gas stations were reported out-of-service.
- Ports across the potentially impacted area are closed or are open with restrictions.

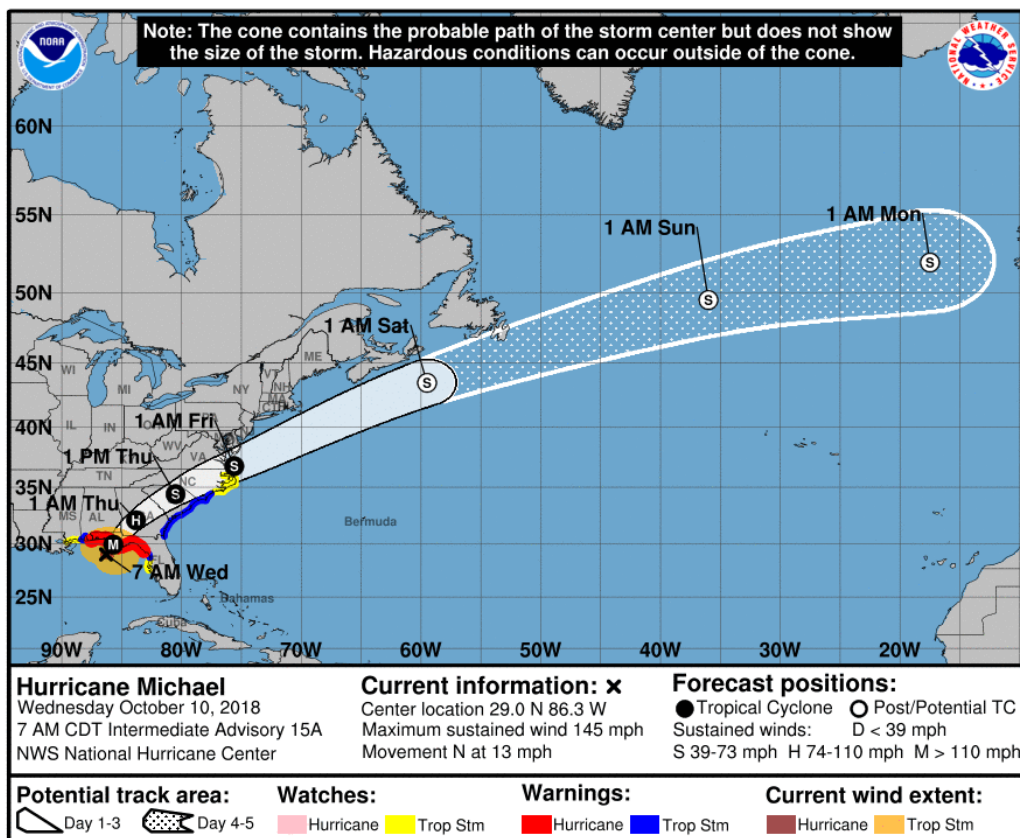
HURRICANE MICHAEL

As of 8:00 AM EDT, Hurricane Michael was 90 miles southwest of Panama City, Florida, moving north at 13 MPH, with maximum sustained winds of 145 MPH (category 4). Hurricane-force winds extend outward up to 45 miles from the center and tropical storm-force winds extend outward up to 185 miles. Michael is expected to turn toward the north-northeast later this morning, with a turn toward the northeast expected this afternoon or tonight. On the forecast track, the eye of Michael is expected to move ashore over the Florida Panhandle early this afternoon and will then move northeastward across the southeastern U.S. tonight and Thursday, before moving off the Mid-Atlantic coast, away from the U.S., on Friday. Tropical-storm force winds began to impact portions of the Gulf Coast of Florida and Alabama this morning.

Michael is forecast to produce 4 to 8 inches of rain, with isolated totals up to 12 inches, across the Florida Panhandle and Big Bend, southeast Alabama, and portions of southwest and central Georgia. Michael is forecast to produced 3 to 6 inches of rain, with isolated totals up to 8 inches across the remainder= of Georgia, the Carolinas, and southern Virginia, with 1 to 3 inches in the Mid-Atlantic and southern New England.

Michael is also forecast to produce significant storm surge. If peak surge occurs during high-tide, Michael may produce a storm surge of 9 to 14 feet between Tyndall Air Force Base, Florida and Aucilla River, Florida; 6 to 9 feet from Tyndall Air Force Base to the Okaloosa/Walton County Line and from the Acuilia River to Cedar Key, Florida and 4 to 6 feet across other portions of the tropical storm warning area.

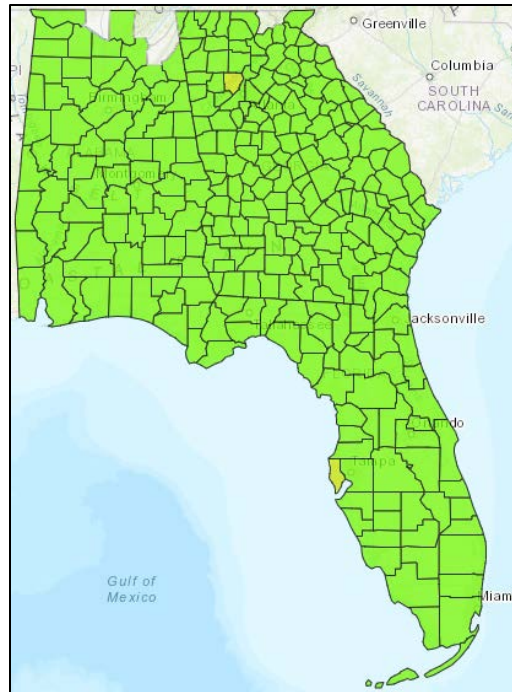
A hurricane warning is in effect from the Alabama/Florida border to Suwanee River, Florida. A tropical storm warning is in effect from the Alabama/Florida border to the Mississippi/Alabama border and from the Suwanee River, Florida to Chassahowitzka, Florida, as well as north of Fernandina Beach, Florida to Surf City, North Carolina. Hurricane and tropical storm warnings extend inland across southeastern Alabama, southern and eastern Georgia, and southeastern South Carolina and North Carolina.



ELECTRICITY SECTOR

POWER OUTAGES

Outage Map (as of 8:00 AM EDT)



ELECTRICITY OUTAGES AS OF 8:00 AM EDT 10/10/2018			
Impacted State	Current Confirmed Customer Outages	Percent of Total Customers in State without Power	24-Hour Peak Customer Outages
Alabama	67	0.00%	3,206
Florida	3,168	0.03%	26,115
Georgia**	1,621	0.04%	5,453
Total	4,856		*

**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.*

***Outages in Georgia are not related to Hurricane Michael*

BACKGROUND AND PREPARATIONS

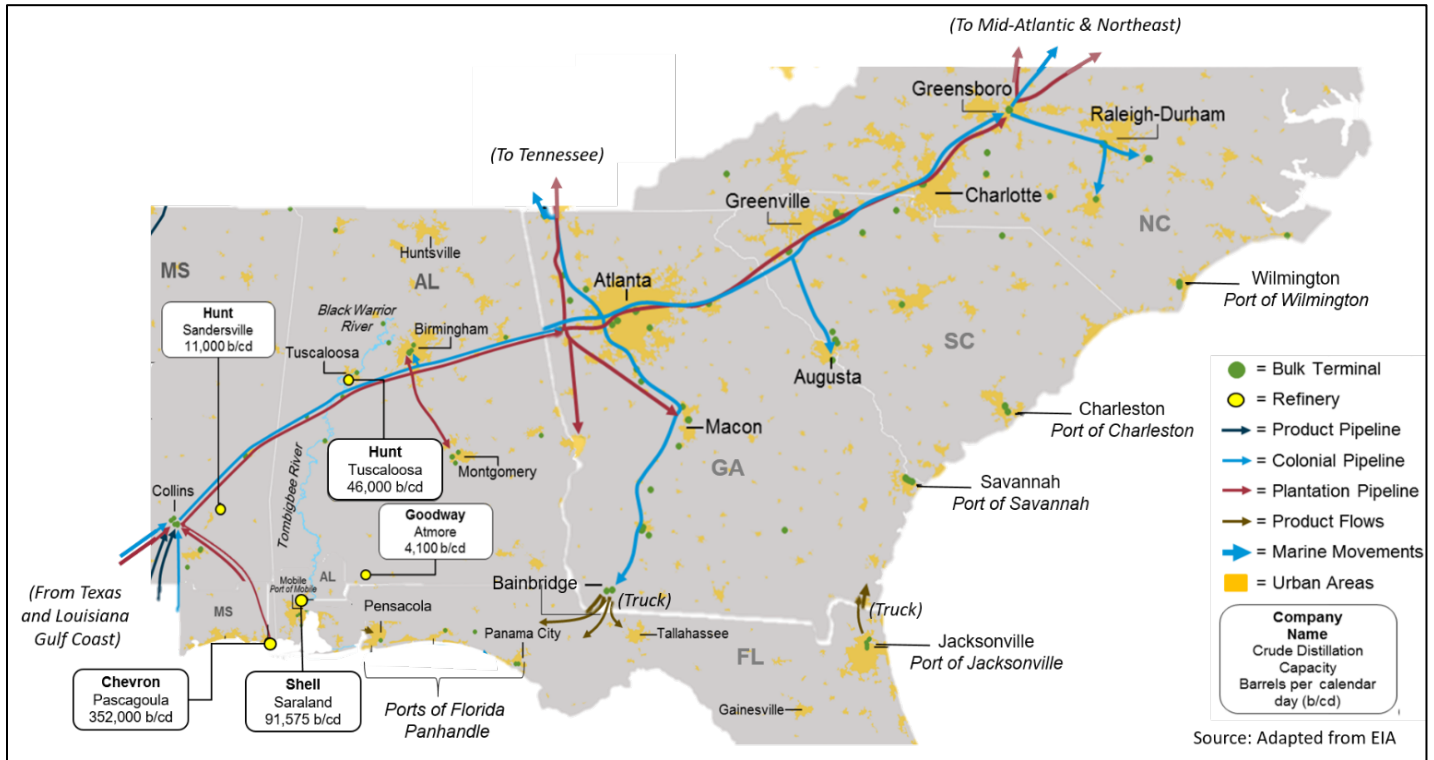
- The affected area is served by several utilities, including investor owned utilities, municipal utilities, and cooperative utilities. The three associations that represent these utilities and manage the mutual assistance networks, Edison Electric Institute (EEI), American Public Power Association (APPA), and the National Rural Electric Cooperative Association (NRECA), have been in regular contact with DOE, the potentially affected entities, and their mutual assistance networks.
- Potentially affected utilities have prepositioned crews, materials, and equipment to begin restorations as conditions permit.
- Mutual aid networks have been activated and crews from utilities across the country are preparing to support restoration efforts.



OIL & NATURAL GAS SECTOR

OIL AND NATURAL GAS SECTOR OVERVIEW

The map below highlights the petroleum fuels supply chain in the area threatened by Hurricane Michael.



OFFSHORE PRODUCTION AND OIL & GAS PLATFORMS

- As of 12:30 PM EDT, October 9, 670,831 b/d (39.5%) of the oil production and 726 MMcf/d (28.4%) of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico are shut-in, according to estimates by the Bureau of Safety and Environmental Enforcement (BSEE).

U.S. Gulf of Mexico Oil & Gas Production Status			
as of 12:30 PM EDT 10/09/2018			
Production	Pre-Event	Shut-In (10/08)	Shut-In (10/09)
Crude Oil (b/d)	1,700,000	324,190	670,831
Natural Gas (MMcf/d)	2,560	284	726
Infrastructure	Pre-Event Count	Evacuated (10/08)	Evacuated (10/09)
Manned Platforms	687	10	75
Rigs	37	5	11

Source: BSEE

PORTS

- As of October 9, the Louisiana Offshore Oil Port (LOOP) has suspended operations at its Marine Terminal, which is the largest crude oil offloading facility in the United States. Currently, there are no interruptions in receipts or deliveries at LOOP’s onshore Clovelly Hub storage facility. LOOP is executing its inclement weather plan and is closely monitoring the storm.
- The U.S. Coast Guard has set the following conditions for Gulf Coast and Southeast ports as a result of Hurricane Michael.

Status of Southeast Ports as of 7:30 AM EDT 10/10/2018							
Port Sector	Port	Status	Date Stamp	2016 Volumes (b/d)			
				Products*		Crude Oil	
				In	Out	In	Out
Mobile	Mobile, AL	Open with restrictions. Port Status Yankee.	10/08	4,000	136,000	210,000	12,000
	Pascagoula, MS	Open with restrictions. Port Status Yankee.	10/08	13,000	114,000	156,000	2,000
	Panama City, FL	Closed. Port Status Zulu.	10/09	7,697	-	-	-
	Pensacola, FL	Closed. Port Status Zulu.	10/09	10,273	-	-	-
Jacksonville	Jacksonville, FL	Open with restrictions. Port Status Whiskey.	10/09	86,000	1,000	-	-
Savannah	Savannah, GA	Open with restrictions. Port Status X-Ray.	10/09	15,000	1,000	-	-
Charleston	Charleston, SC	Open with restrictions. Port Status Whiskey.	10/09	22,000	-	-	-
North Carolina	Wilmington, NC	Open with restrictions. Port Status X-Ray.	10/09	6,000	-	-	-

*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

- For the week ending on September 28, the Lower Atlantic Region (WV, VA, NC, SC, GA, and FL) had 28.7 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 15% higher than the 5-year average for this time of year.
- For the week ending on September 28, the Lower Atlantic Region had 12.1 million barrels of total distillate stocks, according to EIA. This is equivalent to the 5-year average for this time of year.

RETAIL FUEL STATIONS

As of 6:00 AM October 10, 5.1% of Florida gas stations, 1.8% of Georgia gas stations, and 1% of Alabama gas stations were reported out-of-service due to lack of fuel, lack of power, or both, according to GasBuddy.com. The majority of the reported outages are located in the Florida Panhandle region in the Pensacola, Panama City, and Tallahassee market 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 2:00 PM EDT 10/09/2018				
State	Details	Effective Dates		Status
		Start	End	
AL, FL, GA, LA, MS, NC, SC, TN	FMCSA Regional Emergency Declaration	10/09	11/09	Active
Florida*	State of Emergency Declaration	10/07	12/06	Active
Alabama	State of Emergency Declaration	10/08	11/07	Active
Georgia**	State of Emergency Declaration	10/09	10/16	Active

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

*Includes only the following Florida counties: Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Bay, Jackson, Calhoun, Gulf, Gadsden, Liberty, Franklin, Leon, Wakulla, Jefferson, Madison, Taylor, Columbia, Hamilton, Suwanee, Lafayette, Dixie, Gilchrist, Levy, Citrus, Pasco, Hernando, Pinellas, Hillsborough, Manatee, Alachua, Union, Bradford and Baker Counties.

** Includes only the following Georgia counties: Appling, Atkinson, Bacon, Baker, Baldwin, Ben Hill, Berrien, Bibb, Bleckley, Brantley, Brooks, Bryan, Bulloch, Burke, Calhoun, Camden, Candler, Charlton, Chatham, Chattahoochee, Clay, Clinch, Coffee, Colquitt, Cook, Crawford, Crisp, Decatur, Dodge, Dooly, Dougherty, Early, Echols, Effingham, Emanuel, Evans, Glascock, Glynn, Grady, Hancock, Houston, Irwin, Jeff Davis, Jefferson, Jenkins, Johnson, Jones, Lanier, Laurens, Lee, Liberty, Long, Lowndes, Macon, Marion, McIntosh, Miller, Mitchell, Montgomery, Muscogee, Peach, Pierce, Pulaski, Quitman, Randolph, Richmond, Schley, Screven, Seminole, Stewart, Sumter, Talbot, Tattnall, Taylor, Telfair, Terrell, Thomas, Tift, Toombs, Treutlen, Turner, Twiggs, Upson, Ware, Warren, Washington, Wayne, Webster, Wheeler, Wilcox, Wilkinson, and Worth.

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. There are no fuel waivers at this time.

