



## Tropical Cyclone Michael | Report #11

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**REPORT TIME & DATE:** 9:00 AM EDT | Monday, October 15, 2018  
**INCIDENT START DATE:** Wednesday, October 10, 2018  
**PRIMARY LOCATION(S):** Alabama, Florida, Georgia, North Carolina, South Carolina, Virginia  
**REPORT DISTRIBUTION:** Public

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### EXECUTIVE SUMMARY

Hurricane Michael made landfall near Mexico Beach, Florida as a category 4 storm on Wednesday October 10, then moved across Georgia, South Carolina, North Carolina, and southeastern Virginia on October 11, before moving into the Atlantic. Michael caused significant damage to portions of the Florida Panhandle and southwestern Georgia and numerous power outages across the affected region.

#### Electricity Sector Summary

- Customer Outages as of 7:00 AM EDT:
  - Alabama: 3,667 customer outages (0.1%), decrease of 40% since last report
  - Florida: 168,589 customer outages (1.7%), decrease of 10% since last report
  - Georgia: 105,064 customer outages (2.2%), decrease of 13% since last report
  - North Carolina: 33,772 customer outages (0.7%), decrease of 54% since last report
  - Virginia: 30,730 customer outages (0.8%), decrease of 47% since last report
  - *Total: 341,937 customer outages, decrease of 23% since last report*
- Restoration efforts are underway across the affected region. Efforts in the hardest-hit areas may be prolonged due the level of damage, which will require partial system rebuilds.
- Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.
- Mutual assistance networks have been activated and over 35,000 personnel are supporting the restoration efforts from 26 states.

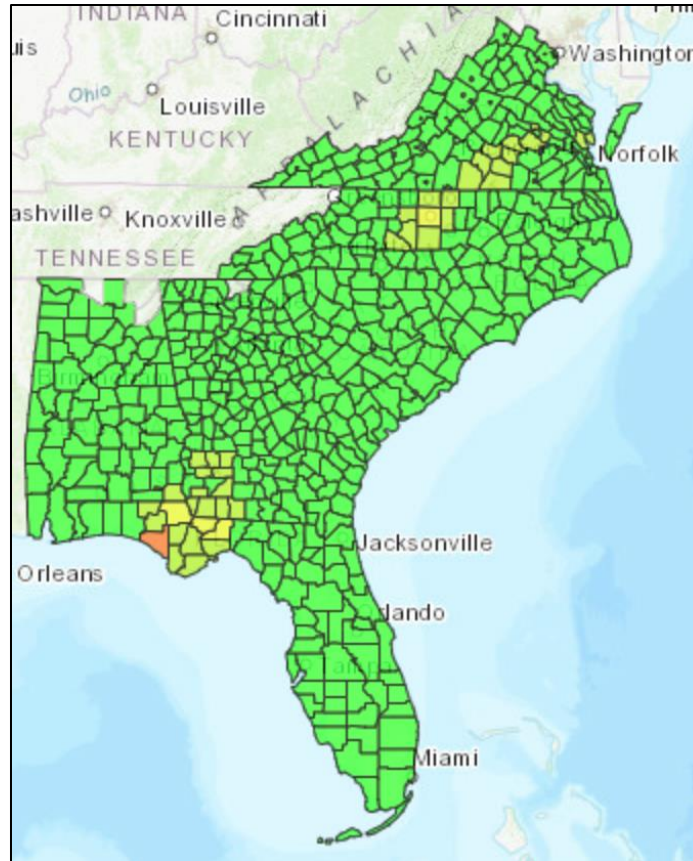
#### Oil & Natural Gas Sector Summary

- For the week ending on October 5, the Lower Atlantic Region (WV, VA, NC, SC, GA, and FL) had 28.1 million barrels of total gasoline stocks, according to the Energy Information Administration. This is 9% higher than the 5-year average for this time of year.
- As of 2:00 AM October 15, 6.0% of Florida gas stations (including 38% of Florida Panhandle stations), 3.7% of Georgia gas stations, and 2.8% of Alabama gas stations were reported out-of-service due to lack of fuel and/or power. Not all stations have been updated following the storm.

**ELECTRICITY SECTOR**

**POWER OUTAGES**

**Outage Map (as of 8:00 PM EDT)**



**ELECTRICITY OUTAGES AS OF 7:00 AM EDT 10/15/2018**

Impacted State	Current Customers Outages	Percent of Total Customers in State without Power	24-Hour Peak Customer Outages
Alabama	3,667	0.14%	9,321
Florida	168,589	1.66%	200,762
Georgia	105,064	2.22%	152,724
North Carolina	33,772	0.68%	109,063
South Carolina	115	0.00%	299
Virginia	30,730	0.82%	82,968
<b>Total</b>	<b>341,937</b>	-	*

*\*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.*



**ELECTRICITY IMPACTS & RESTORATION EFFORTS**

- Crews in the impacted area continue to perform damage assessments and restorations. Some restorations in the hardest hit areas may be prolonged due to the extent of damage.
- The electric industry has mobilized over 35,000 personnel, including utility crews, contractors, and mutual assistance workers from 26 states to support the restoration efforts.
- Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.

**Alabama**

<b>3,667</b> Customer Outages	↓ <b>40%</b> since Oct 14, 3:00 PM EDT	<b>9,321</b> 24-hr Peak Outages
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- **Significantly Impacted Utilities**
  - Wiregrass Electric Coop: 3,612 Customer Outages

**Florida**

<b>168,589</b> Customer Outages	↓ <b>10%</b> since Oct 14, 3:00 PM EDT	<b>200,762</b> 24-hr Peak Outages
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- **Significantly Impacted Utilities**
  - Gulf Power (Southern Company): 63,832 Customer Outages
  - West Florida Electric Coop Association: 21,869 Customer Outages
  - Talquin Electric Coop: 21,199 Customer Outages
  - Duke Energy Florida: 12,655 Customer Outages
  - Tallahassee Electric: 10,689 Customer Outages

**Georgia**

<b>105,064</b> Customer Outages	↓ <b>13%</b> since Oct 14, 3:00 PM EDT	<b>200,762</b> 24-hr Peak Outages
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- **Significantly Impacted Utilities**
  - Georgia Power: 14,614 Customer Outages
  - Mitchell EMC: 15,218 Customer Outages
  - Grady EMC: 9,136 Customer Outages
  - Sumter EMC: 3,829 Customer Outages
  - Diverse Power: 2,260 Customer Outages

**North Carolina**

<b>33,772</b> Customer Outages	↓ <b>54%</b> since Oct 14, 3:00 PM EDT	<b>109,063</b> 24-hr Peak Outages
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- **Significantly Impacted Utilities**
  - Duke Energy: 33,285 Customer Outages

**Virginia**

<b>30,730</b> Customer Outages	↓ <b>47%</b> since Oct 14, 3:00 PM EDT	<b>82,968</b> 24-hr Peak Outages
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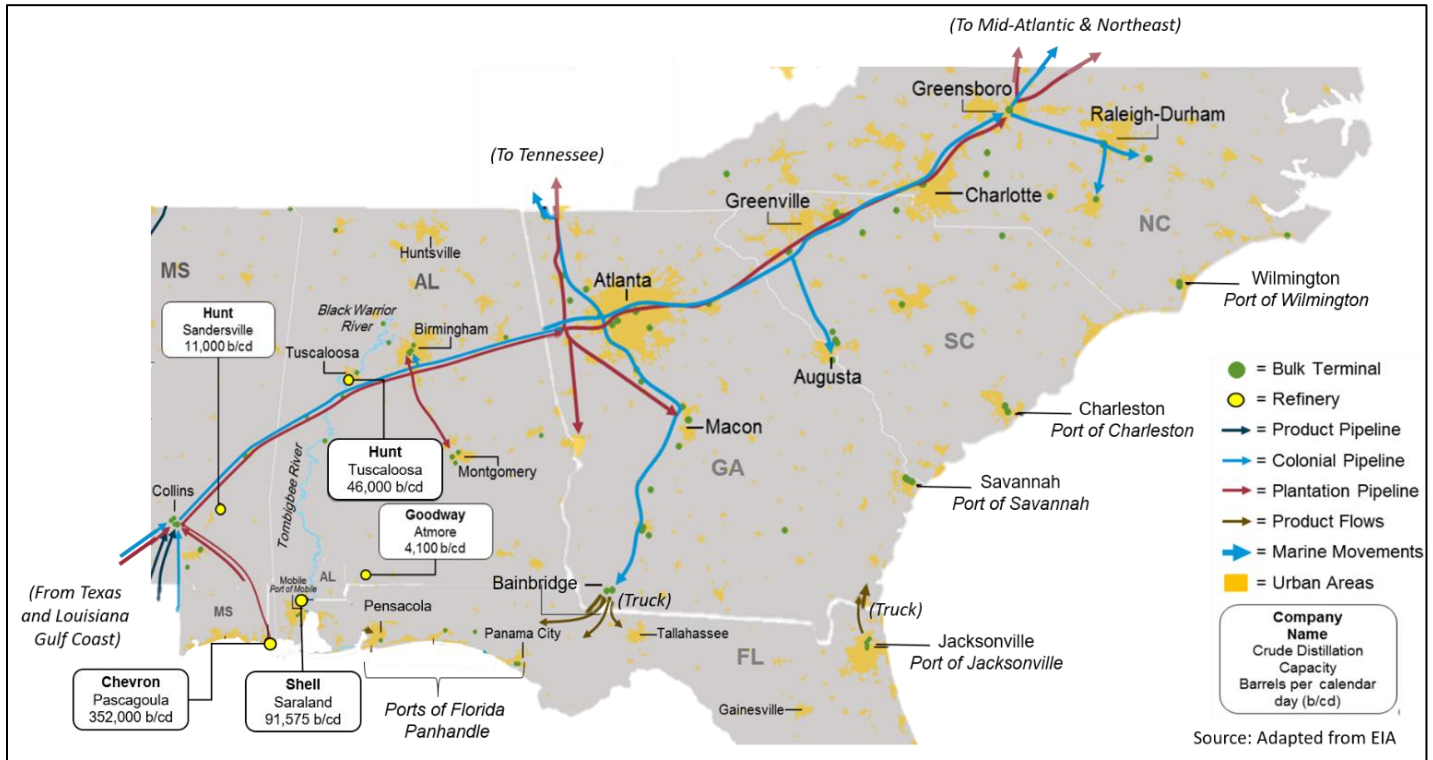
- **Significantly Impacted Utilities**
  - Dominion Power: 20,078 Customer Outages
  - VA Electric Cooperatives: 9,882 Customer Outages



## PETROLEUM SECTOR

### PETROLEUM 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 12, 550,313 b/d (32.4%) of the oil production and 334 MMcf/d (13.05%) 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 10/14/2018		
Production	Pre-Event	Shut-In (10/14)
Crude Oil (b/d)	1,700,000	268,824
Natural Gas (MMcf/d)	2,560	227
Infrastructure	Pre-Event Count	Evacuated (10/14)
Manned Platforms	687	0
Rigs	37	0

Source: BSEE

**PORTS**

- The Louisiana Offshore Oil Port (LOOP), the largest privately-owned crude terminal in the United States, said it resumed normal operations at its Marine Terminal on Oct. 11 after operations were suspended ahead of Hurricane Michael.
- 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 3:00 PM EDT 10/14/2018							
Port Sector	Port	Status	Date Stamp	2016 Volumes (b/d)			
				Products*		Crude Oil	
				In	Out	In	Out
Mobile	Mobile, AL	Open.	10/10	4,000	136,000	210,000	12,000
	Pascagoula, MS	Open.	10/10	13,000	114,000	156,000	2,000
	Panama City, FL	Open with restrictions.	10/12	7,697	-	-	-
	Pensacola, FL	Open.	10/11	10,273	-	-	-
Jacksonville	Jacksonville, FL	Open.	10/11	86,000	1,000	-	-
Savannah	Savannah, GA	Open.	10/11	15,000	1,000	-	-
Charleston	Charleston, SC	Open.	10/11	22,000	-	-	-
North Carolina	Wilmington, NC	Open.	10/12	6,000	-	-	-
Hampton Roads	Norfolk, VA	Open.	10/12	7,000	9,000	-	-
	Newport News, VA	Open.	10/12	3,000	-	-	-

\*Transportation fuels (gasoline, distillate, jet fuel) volumes only.

Source: U.S. Coast Guard [Homeport](#), U.S. Army Corp of Engineers, EIA Company Level Imports, American Maritime Partnership

**FUEL STOCKS**

- For the week ending on October 5, the Lower Atlantic Region (WV, VA, NC, SC, GA, and FL) had 28.1 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 9% higher than the 5-year average for this time of year.
- For the week ending on October 5, the Lower Atlantic Region had 12.6 million barrels of total distillate stocks, according to EIA. This is equivalent to the 5-year average for this time of year.
- Florida Department of Emergency Management (FDEM) is monitoring statewide fuel stocks and retail fuel supplies; no reported supply shortages, distribution issues, or retail fuel shortage reported as of October 9.

**RETAIL FUEL STATIONS**

- As of 2:00 AM October 15, 6.0% of Florida gas stations (including 38% of Florida Panhandle stations), 3.7% of Georgia gas stations, and 2.8% of Alabama gas stations were reported out-of-service due to lack of fuel, lack of power, or both, according to GasBuddy.com.

Disclaimer: **Data may not be current.** 86% of stations in Pensacola, 78% in Panama City, 80% in Tallahassee, 34% in Thomasville, 33% in Albany, and 56% in Dothan have updated status since 10/09/18.



**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 7:30 AM EDT 10/13/2018				
State*	Details	Effective Dates		Status
		Start	End	
AL, FL, GA, LA, MS, NC, SC, TN	<a href="#">FMCSA Regional Emergency Declaration</a>	10/09	11/09	Active
Florida*	<a href="#">State of Emergency Declaration</a>	10/07	12/06	Active
South Carolina**	<a href="#">State of Emergency Declaration</a>	10/08	11/07	Active
Alabama	<a href="#">State of Emergency Declaration</a>	10/08	11/07	Active
Georgia*	<a href="#">State of Emergency Declaration</a>	10/09	10/16	Active
North Carolina*	<a href="#">State of Emergency Declaration</a>	10/10	Until Rescinded	Active
Kentucky	<a href="#">State of Emergency Declaration</a>	10/10	11/10	Active
Virginia	<a href="#">State of Emergency Declaration</a>	10/11	11/11	Active

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

\*Includes 35 counties in northern Florida, 108 counties in southern Georgia, and 66 counties in North Carolina. See Declarations for the full listing.

\*\*South Carolina issued a thirty day extension of its Hurricane Florence emergency declaration

**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 7:30 AM EDT 10/13/2018				
State	Waiver	Effective Dates		Status
		Start	End	
Florida	<a href="#">Restriction on red-dyed diesel fuel for highway use.</a> Allows the sale, distribution, and use of red dyed non-road locomotive and marine (NRLM) diesel fuel for use in utility, emergency response and other diesel-powered highway vehicles responding to/assisting in recovery efforts in the panhandle area of Florida. Diesel fuel must meet the 15ppm standard.	10/12	10/26	Active

Sources: [U.S. Environmental Protection Agency](#); State Governments



**OTHER FEDERAL WAIVERS**

On October 10, PHMSA issued an Emergency **Stay of Enforcement for pipeline and LNG facility operators** affected by Hurricane Michael. Under the stay, PHMSA does not intend to take enforcement action relating to operators' temporary noncompliance with operator 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 which went into effect on October 10 will remain in effect for 45 days until November 24, unless PHMSA determines an extension is required. In addition, on October 10, PHMSA issued an **Emergency Assistance Personnel** waiver for Alabama, Florida, Georgia, North Carolina, and South Carolina affected by Hurricane Michael. For 30 days following October 10, PHMSA waived the notice required under 49 U.S.C. § 60118(d), which necessitates a 60-day review period for States to notify PHMSA that it intends to waive a pipeline safety regulation adopted by the State pursuant to State certification under 49 U.S.C. § 60105 for the above listed requirements.

