



Hurricane Zeta | Update #4

REPORT TIME & DATE: 10:00 AM EST | Sunday, November 01, 2020

REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

Zeta made landfall near Cocodrie, Louisiana around 5:00 PM EDT on Wednesday, October 28 as a strong Category 2 hurricane, before moving directly over New Orleans and across portions of Mississippi, Alabama, Georgia, North Carolina, South Carolina, and Virginia. Zeta caused flooding, wind damage, and widespread power outages across the affected regions. The DOE Energy Response Center is continuing to coordinate with industry, interagency, and state partners to support the response to Hurricane Zeta.

Electricity Sector Summary

- As of 8:30 AM EST, there were approximately 381,000 customer outages reported across Louisiana, Mississippi, Alabama, Georgia, South Carolina, and North Carolina according to EAGLE-I. Approximately 43,000 of the customer outages are in Georgia, 117,000 in Alabama, and 122,000 in Louisiana.
- Restoration efforts are underway across the impacted area. Mutual assistance networks have been activated to support restoration efforts. More than 22,000 workers from at least 29 states and Canada are supporting restoration efforts for Hurricane Zeta and the ice storm in Oklahoma and Texas.
- Utilities are cognizant of the upcoming election and working with state and local partners to restore power to polling locations and other critical election facilities, as well as temporary generation options.

Oil & Natural Gas Sector Summary

- The U.S. Coast Guard has reopened all major ports that receive marine delivery of petroleum products and/or crude oil that were impacted by Hurricane Zeta (Louisiana, Mississippi, Alabama, and Texas).
- As of 12:30 PM EDT, October 31, 59% of the oil production and 32% of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico remain shut-in, according to estimates by the Bureau of Safety and Environmental Enforcement (BSEE). Production was shut-in as a precaution ahead of the storm.
- The offshore platform shut-ins are not anticipated to cause any immediate supply issues. For the week ending on October 23, 2020, overall U.S. stocks of gasoline and distillate stocks were 2.4% and 16.7% above the seasonal 5-year average respectively. Jet fuel is slightly below the average. Across the Gulf Coast and Southeast, stocks of gasoline and distillate were above the 5-year average. Gulf Coast stocks of crude oil were 15.2% above the 5-year average in the Gulf Coast (excluding the Strategic Petroleum Reserve).

ELECTRICITY SECTOR

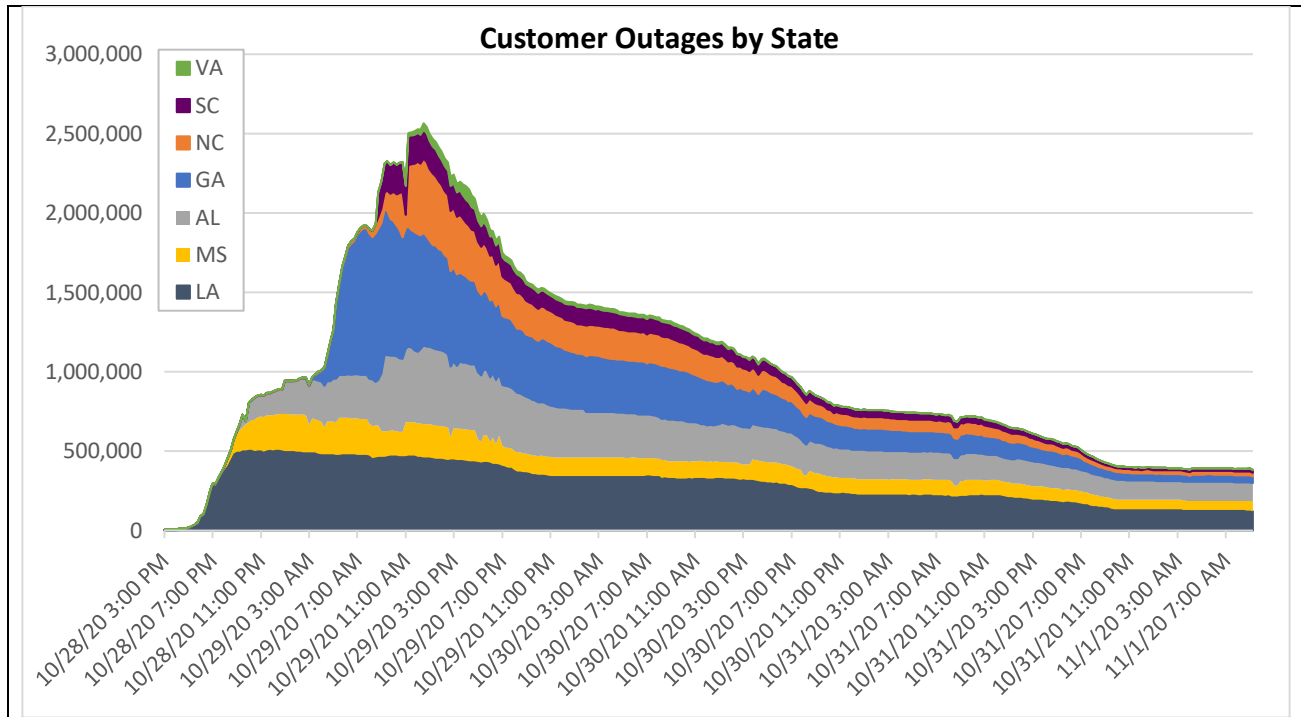
POWER OUTAGES

- As of 8:30 AM EST, November 1, there are 381,223 customer outages across Louisiana, Mississippi, Alabama, Georgia, South Carolina, and North Carolina due to Hurricane Zeta.

Customer Power Outages as of 8:30 AM EST 11/1/2020

State	Current Outages	% of State Without Power	Peak Storm Outages	% Customers Restored from Peak
Louisiana	122,415	5.7%	509,372	76%
Mississippi	58,272	5%	234,975	75%
Alabama	117,280	5.6%	497,277	76%
Georgia	42,856	1%	953,403	96%
South Carolina	16,156	<1%	187,060	91%
North Carolina	24,244	<1%	468,697	95%
Total	381,223	-	-	-





RESTORATION OVERVIEW

- Restoration efforts are under way across the affected region. Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.
- Flooding and debris have limited access to some areas. Crews are unable to operate in heavily flooded areas and when wind speeds are greater than 30 MPH.
- In advance of the storm, utilities pre-positioned crews, materials, and equipment and held pre-storm mutual assistance coordination calls.
- As of October 30, more than 22,000 workers from at least 29 states and Canada are supporting restoration efforts for customers impacted by Hurricane Zeta, as well as the ice storm that impacted Oklahoma and portions of northern Texas.
- Utilities typically follow an overall plan to restore service to customers. After power is restored to essential services and facilities critical to public health and safety, crews focus on repairing lines that will return service to the largest number of customers in the least amount of time. Power is restored systematically to neighborhoods, industries, and businesses and then to individual homes and small groups of customers.

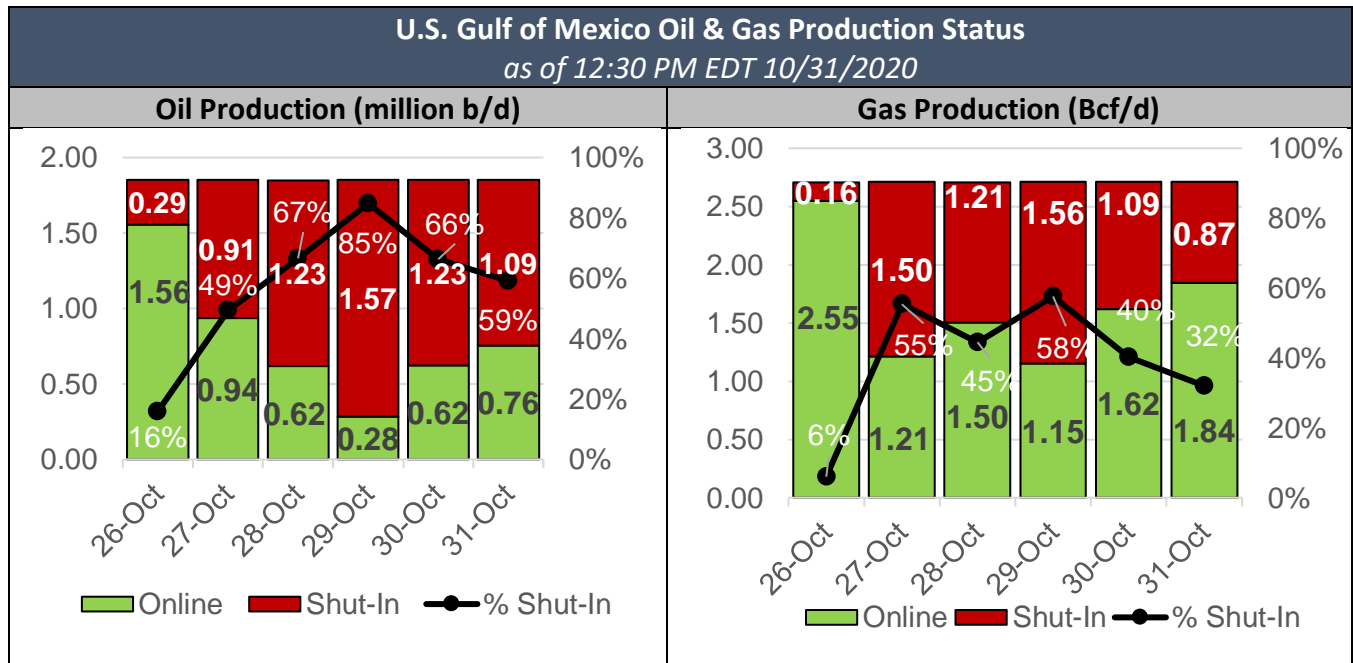
OIL AND NATURAL GAS SECTOR

PORTS

- The U.S. Coast Guard has reopened all major ports that receive marine delivery of petroleum products and/or crude oil that were impacted by Hurricane Zeta (Louisiana, Mississippi, Alabama, and Texas).

OFFSHORE PRODUCTION

- As of 12:30 PM EDT, October 31, 1.09 million barrels per day (b/d) (59.18%) of the oil production and 0.87 billion cubic feet per day (Bcf/d) (31.98%) of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico remain shut-in, according to estimates by the Bureau of Safety and Environmental Enforcement (BSEE).
- In addition, BSEE reports that 94 out of 643 manned platforms remain evacuated; 1 out of 10 non-dynamically positioned rigs remain evacuated; and 1 out of 16 dynamically positioned rigs remain moved out of their normal location.



Source: [BSEE](#)

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.

Emergency Declarations and HOS Waivers <i>as of 9:00 AM EST 11/1/2020</i>				
State/Territory	Details	Effective Dates		Status
		Start	End	
Louisiana	State of Emergency	10/26	11/24	Active
	Presidential Emergency Declaration	10/26	Until rescinded	Active
Alabama	State of Emergency	10/27	Until rescinded	Active
Mississippi	State of Emergency	10/27	Until rescinded	Active
	Presidential Emergency Declaration	10/27	Until rescinded	Active
AL, FL, LA, MS, & TX	FMCSA Hours of Service Waiver for Hurricane Delta	10/7	11/6	Active

Sources: State government, White House, and FMCSA websites.

WAIVERS

- PHMSA Waiver of Hazardous Materials Regulations:** On October 30, the Pipeline and Hazardous Materials Safety Administration (PHMSA) issued an emergency waiver [order](#) declaring an emergency in Louisiana and Mississippi in relation to Hurricane Zeta. The waiver relaxes certain requirements for the transportation of hazardous materials and is intended to support the U.S. Coast Guard and Environmental Protection Agency in their response to Zeta. The order is valid for 30 days.