



Hurricane Zeta | Update #6 - FINAL

REPORT TIME & DATE: 10:00 AM EST | Tuesday, November 03, 2020

REPORT DISTRIBUTION: Public

This is expected to be the final DOE update related to Hurricane Zeta; however, DOE will continue to closely monitor restoration progress across the affected regions.

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 86,000 customer outages remaining across Louisiana, Mississippi, Alabama, and Georgia according to EAGLE-I. Approximately 30,000 of the outages are in Alabama and 40,000 in Louisiana.
- Restoration efforts are underway across the impacted area. Mutual assistance networks have been activated and at the peak, more than 22,000 workers from at least 29 states and Canada were supporting restoration efforts for Hurricane Zeta, and the ice storm in Oklahoma and Texas.

Oil & Natural Gas Sector Summary

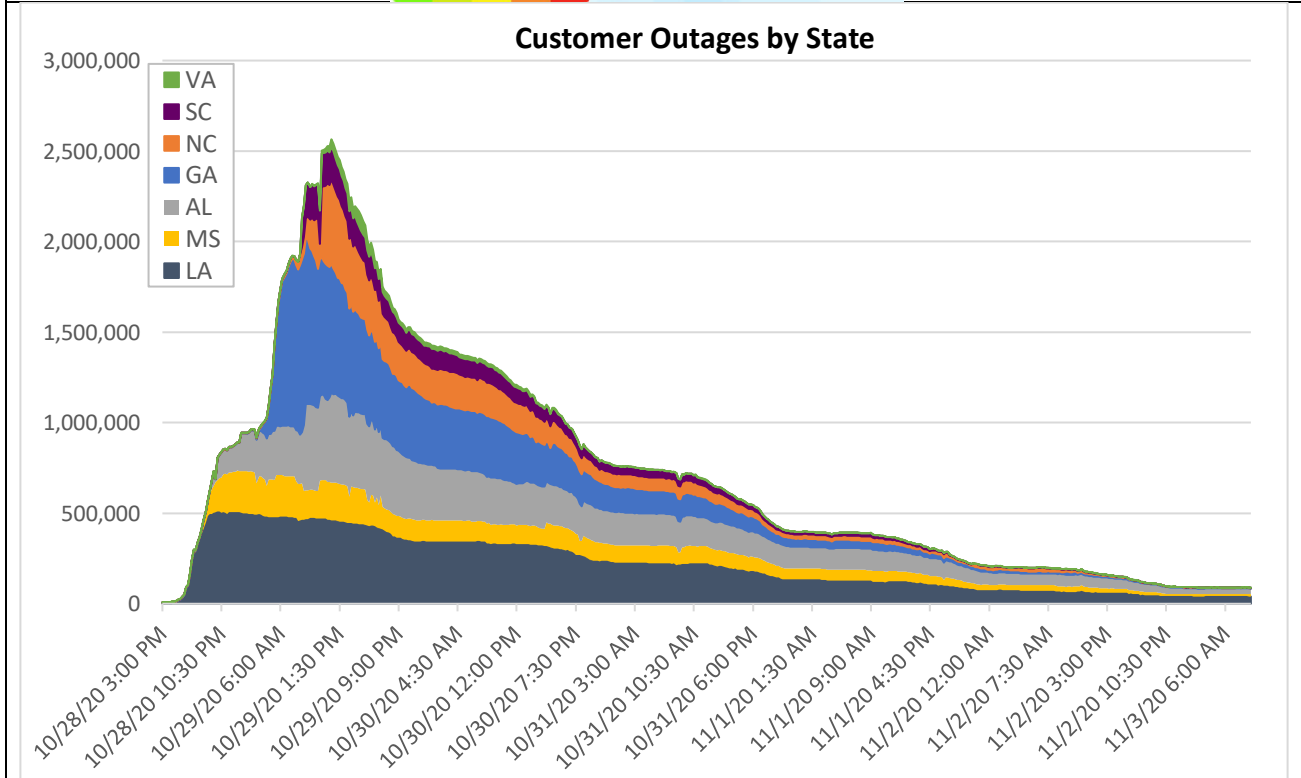
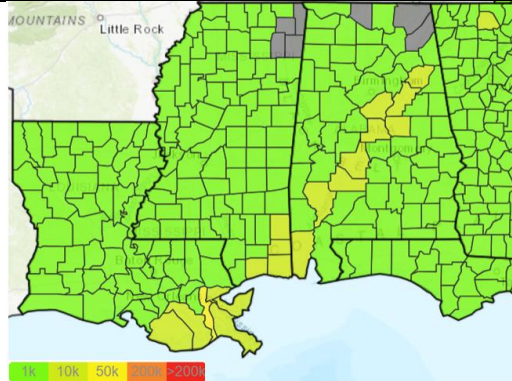
- The U.S. Coast Guard has reopened all major ports that receive marine delivery of petroleum products and/or crude oil that were impacted by Hurricane Zeta (Louisiana, Mississippi, Alabama, and Texas).
- As of 12:30 PM EST, November 2, 28% of the oil production and 16% of the natural gas production 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 3, there are 85,578 remaining customer outages across Louisiana, Mississippi, Alabama, and Georgia due to Hurricane Zeta.

| Customer Power Outages as of 8:30 AM EST 11/3/2020 | | | | |
|--|-----------------|--------------------------|--------------------|--------------------------------|
| State | Current Outages | % of State Without Power | Peak Storm Outages | % Customers Restored from Peak |
| Louisiana | 40,169 | 2% | 509,372 | 92% |
| Mississippi | 11,761 | 1% | 234,975 | 95% |
| Alabama | 30,448 | 1.5% | 497,277 | 94% |
| Georgia | 3,200 | <1% | 953,403 | 99% |
| Total | 85,578 | - | - | - |



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.
- At the peak, more than 22,000 workers from at least 29 states and Canada supported 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.



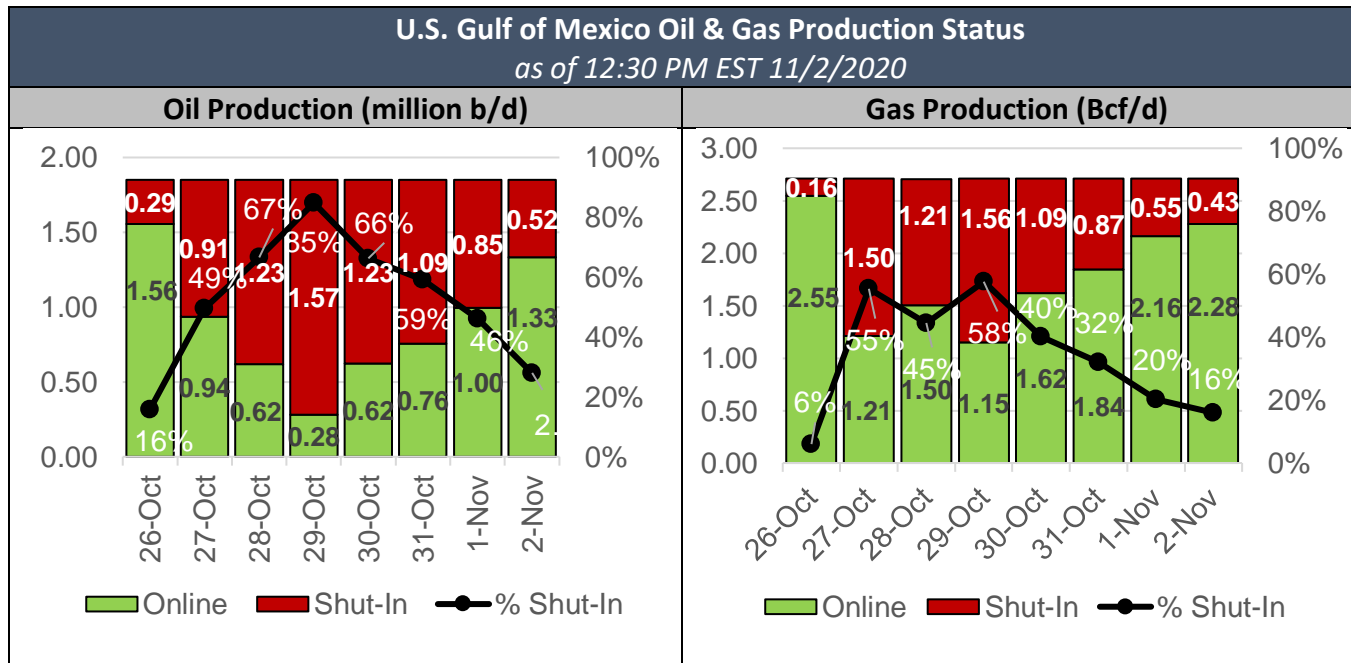
OIL AND NATURAL GAS SECTOR

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 EST, November 2, 0.52 million barrels per day (b/d) (28.02%) of the oil production and 0.43 billion cubic feet per day (Bcf/d) (15.92%) 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 28 out of 643 manned platforms remain evacuated; none of 10 non-dynamically positioned rigs are still 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 as of 9:00 AM EST 11/3/2020 | | | | |
|--|---|-----------------|-----------------|--------|
| 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.