



Hurricane Zeta | Update #2

REPORT TIME & DATE: 10:00 AM EDT | Friday, October 30, 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 has been activated to manage Emergency Support Function #12 activities and to coordinate with industry, interagency, and state partners in response to Hurricane Zeta.

Electricity Sector Summary

- As of 7:30 AM EDT, there were approximately 1.45 million customer outages reported across Louisiana, Mississippi, Alabama, Georgia, North Carolina, South Carolina, and Virginia according to EAGLE-I and company social media posts. Approximately 357,000 of the customer outages are in Georgia, 290,000 in Alabama, and 346,000 in Louisiana.
- Damage assessments and restoration efforts are underway across the impacted areas, as conditions permit. Mutual assistance networks have been activated to support restoration efforts with crews from across the country. Prior to the storm, utilities pre-staged crews, equipment, and materials.

Oil & Natural Gas Sector Summary

- The ports of Mobile, Alabama and Pascagoula, Mississippi remain closed, while the ports of New Orleans, Louisiana; Gramercy, Louisiana; and Baton Rouge, Louisiana have reopened.
- Some refineries in the New Orleans area have begun the restart process after going offline due to commercial power outages.
- Due to potential impacts from Zeta, as of 12:30 PM EDT, October 29, 85% of the oil production and 58% 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).
- The refinery and 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 SPR).

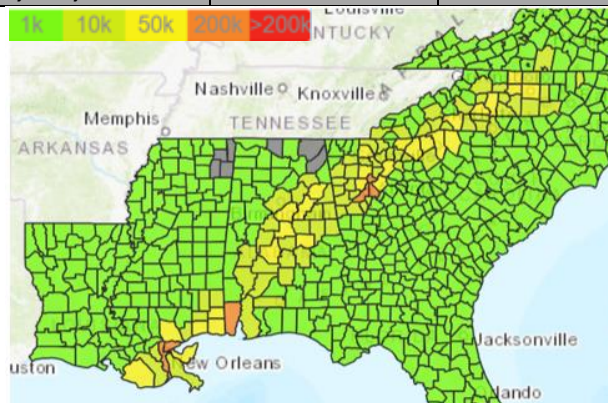
ELECTRICITY SECTOR

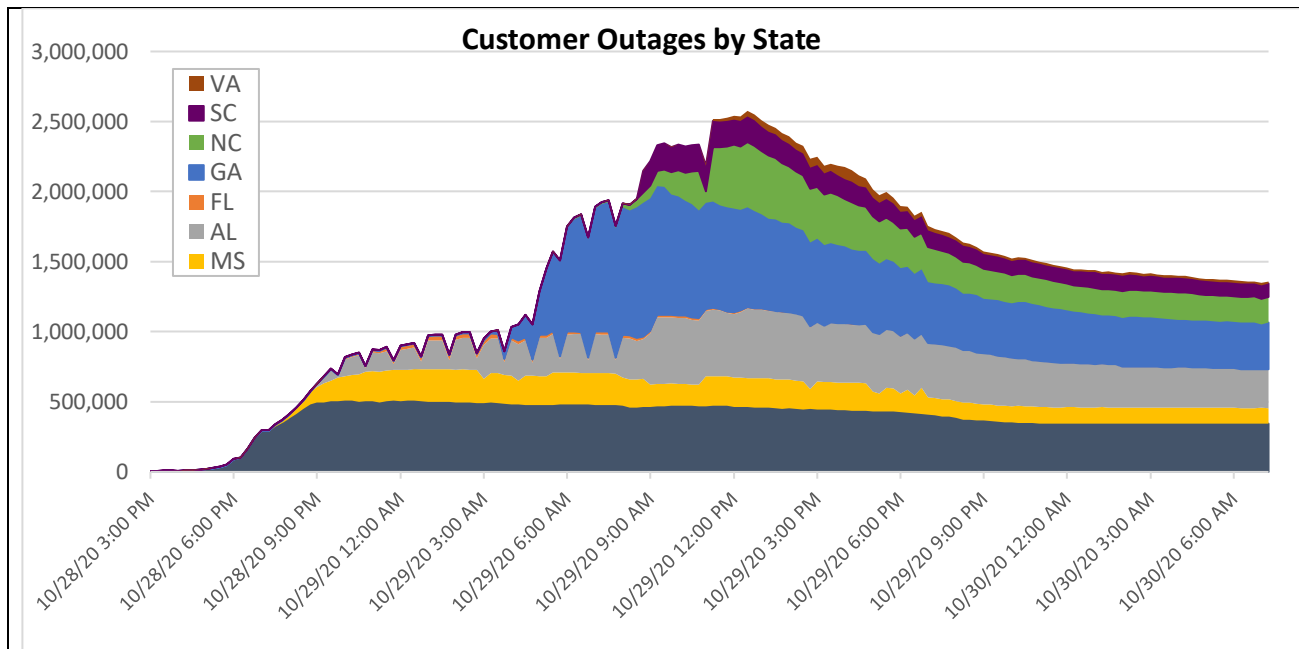
POWER OUTAGES

- As of 7:30 AM EDT, October 30, there are 1,456,145 customer outages across Louisiana, Mississippi, Alabama, Georgia, North Carolina, and Virginia due to Hurricane Zeta.

Customer Power Outages as of 7:30 AM EDT 10/30/2020

| State | Current Outages | % of State Without Power | Peak Storm Outages | % Customers Restored from Peak |
|----------------|------------------|--------------------------|--------------------|--------------------------------|
| Louisiana | 346,247 | 16% | 509,372 | 32% |
| Mississippi | 169,543 | 14.4% | 234,975 | 53% |
| Alabama | 289,989 | 14% | 497,277 | 44% |
| Georgia | 357,029 | 8.4% | 953,403 | 63% |
| South Carolina | 93,279 | 3% | 187,060 | 50% |
| North Carolina | 185,860 | 4% | 468,697 | 60% |
| Virginia | 14,198 | <1% | 84,875 | 83% |
| Total | 1,456,145 | - | - | - |



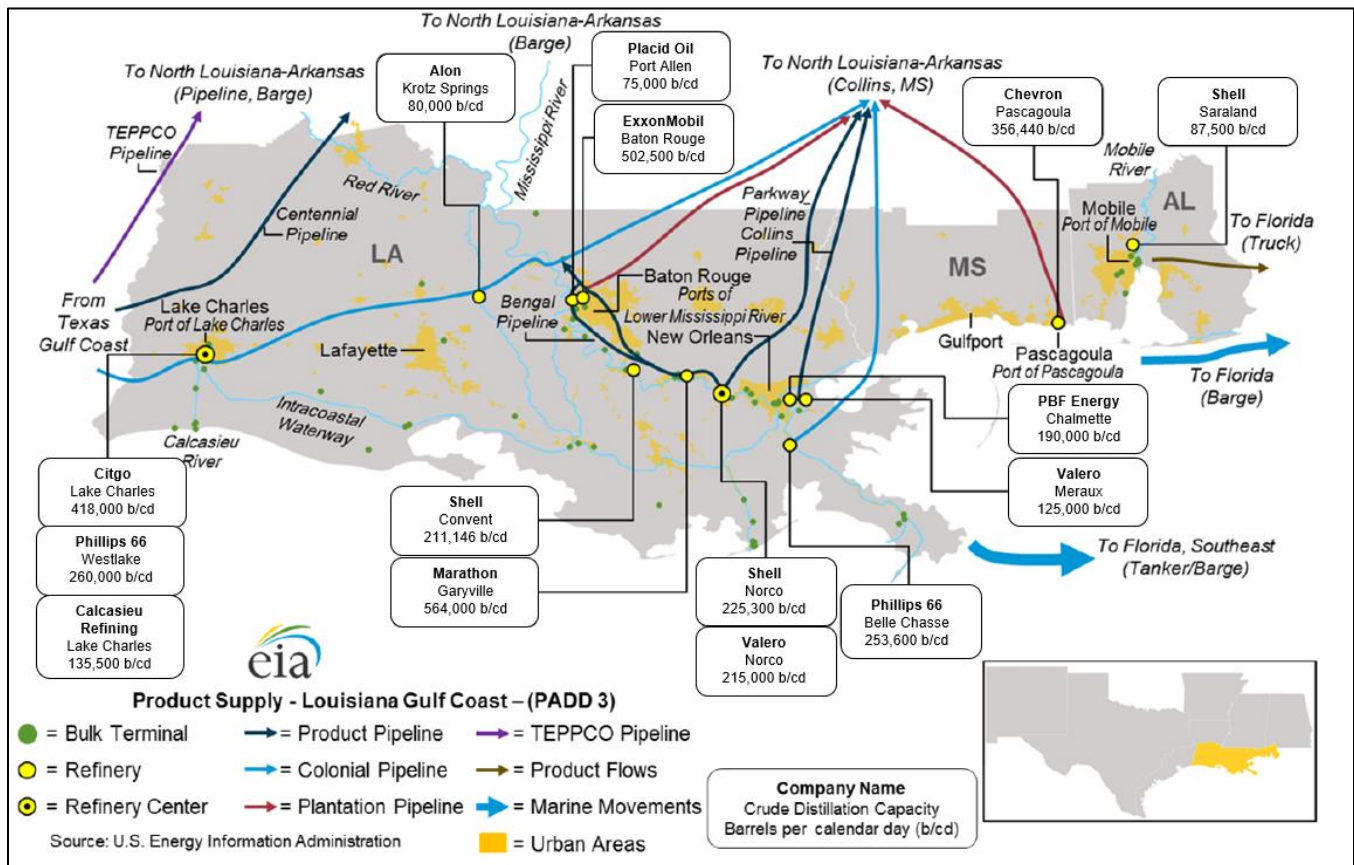


RESTORATION OVERVIEW

- Damage assessments and restoration efforts are under way as conditions permit. Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.
- Flooding and debris are limiting 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.
- 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.
- DOE is working with industry partners to determine if there are any locations where outages may be extended.
- Restoration efforts related to power outages from severe weather in Oklahoma are using in-state resources, with support from Missouri and are not expected to impact Zeta efforts.

OIL AND NATURAL GAS SECTOR

Just over half of total U.S. refining capacity is located in the Gulf Coast (PADD 3) region. Gulf Coast refinery production is critical for supplying fuels to markets in the high-demand East Coast (PADD 1) region. Products move out of the Gulf Coast region on the Colonial and Plantation pipeline systems to Southeast and Central Atlantic markets, and via tanker and barge to Florida. The Gulf Coast refineries export approximately 20% of production to foreign countries. This provides a significant “export buffer,” allowing refiners to shift fuel production away from exports to make up for shortages in domestic markets. The map below highlights the petroleum supply chain in the Louisiana, Mississippi, and Alabama Gulf Coast regions.



PORTS

- **Louisiana Offshore Oil Port (LOOP)** is closely monitoring Hurricane Zeta and is executing its inclement weather plan. LOOP is the U.S. port capable of receiving very large crude carriers (VLCCs). As of October 28, the COTP has closed LOOP.
- The U.S. Coast Guard has set the following conditions for ports and waterways as a result of Hurricane Zeta. Listed in the table are select ports that receive petroleum products.

| Status of Gulf Coast Ports as of 8:00 AM EDT 10/30/2020 | | | |
|---|------------------------------|--|------------|
| Port | Inbound Petroleum * (b/d) | Status | Date Stamp |
| Alabama | | | |
| Mobile, AL | 191,000 | Closed. Port Status Zulu (Shore-based facilities open and Inner Harbor Movements Authorized) | 10/29 |
| Mississippi | | | |
| Pascagoula, MS | 131,000 | Closed. Port Status Zulu (Shore-based facilities open and Inner Harbor Movements Authorized) | 10/29 |
| Louisiana | | | |
| Baton Rouge, LA | 83,000 | Open. | 10/29 |
| Gramercy, LA | 110,000 | Open. | 10/29 |
| New Orleans, LA | 201,000 | Open. | 10/29 |
| Morgan City, LA | 208,000 | Open. | 10/29 |
| Lake Charles, LA | 394,000 | Open with Restrictions. Port Status Whiskey | 10/26 |
| Texas | | | |
| Port Arthur, TX | 358,000 | Open with Restrictions. Port Status Whiskey | 10/26 |

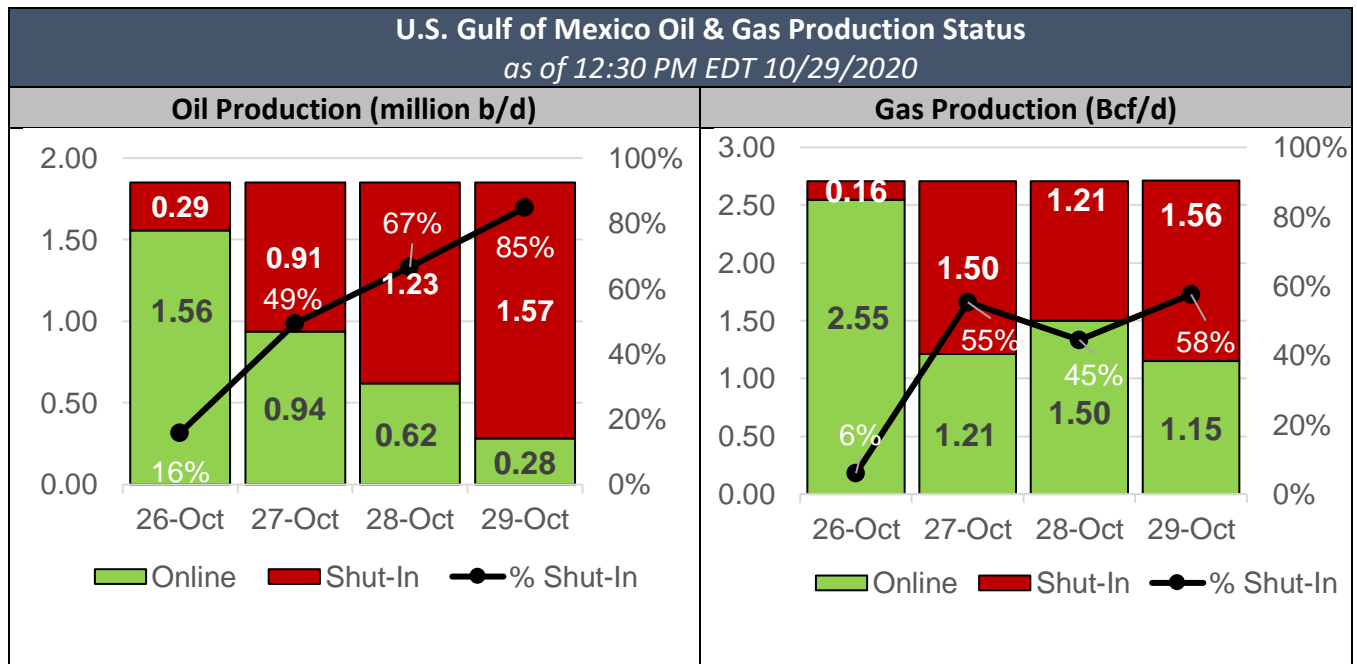
*Crude oil and product foreign imports and domestic movements in 2018.

Source: Receipt data from EIA Company Level Imports, U. S. Army Corps of Engineers Waterborne Commerce Statistics Center

- **The Calcasieu Waterway** has been assigned the port condition of Recovery as of October 28. The waterway remains open with restrictions.

OFFSHORE PRODUCTION

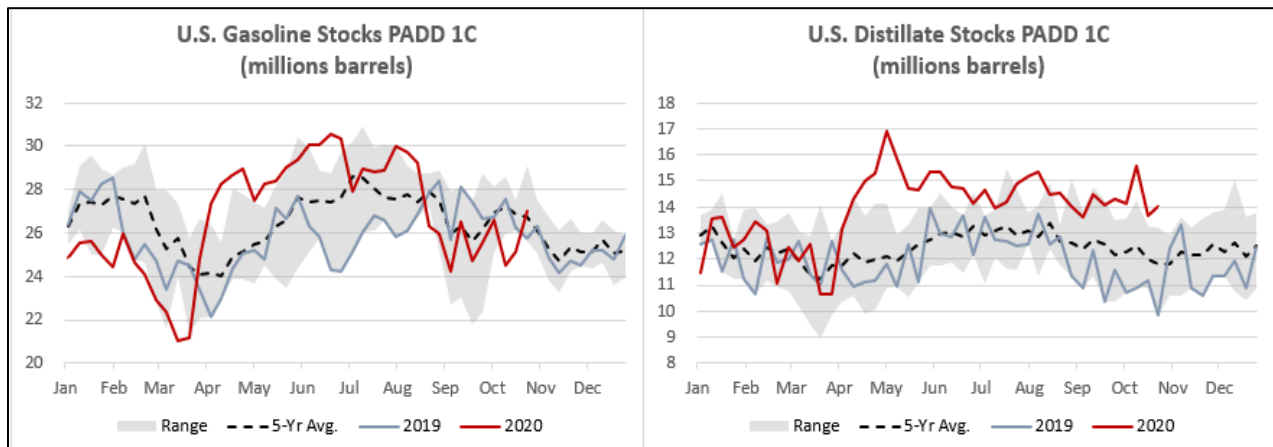
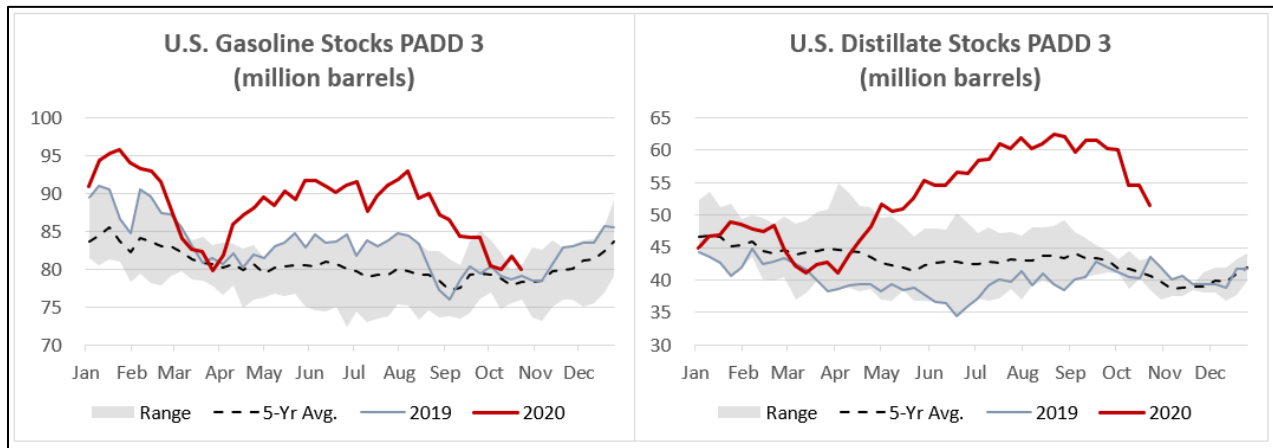
- As of 12:30 PM EDT, October 29, 1.57 million barrels per day (b/d) (84.8%) of the oil production and 1.56 billion cubic feet per day (Bcf/d) (57.6%) of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico are shut-in, according to estimates by the Bureau of Safety and Environmental Enforcement (BSEE).
- In addition, BSEE reports that 228 out of 643 manned platforms have been evacuated; 2 out of 10 non-dynamically positioned rigs have been evacuated; and 4 out of 16 dynamically positioned rigs have moved out of the storm’s path as a precaution.



Source: [BSEE](#)

FUEL STOCKS

- For the week ending on October 23, 2020, the Southeast U.S. (PADD 1C) had 27.0 million barrels of total gasoline stocks (1% higher than the 5-year seasonal average), according to the Energy Information Administration (EIA). The Southeast had 14.0 million barrels of total distillate stocks (19% higher than the 5-year seasonal average), according to EIA.
- For the week ending on October 23, 2020, the Gulf Coast (PADD 3) had 80.0 million barrels of total gasoline stocks (2% higher than the 5-year seasonal average), according to EIA. The Gulf Coast had 51.4 million barrels of total distillate stocks (27% higher than the 5-year seasonal average), according to EIA.
- Overall U.S. stocks for transportation fuels (gasoline, jet fuel, and diesel) stood at 419.8 million barrels for the week ending October 23, 2020, approximately 6.0% above the 5-year average for the time of year. Gasoline stocks and distillate stocks are 2.4% and 16.7% above their respective seasonal 5-year averages, while jet fuel stocks are 9.2% below their respective 5-year average.



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 the 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 8:00 AM EDT 10/30/2020</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.

