



## Hurricane Zeta | Update #1

**REPORT TIME & DATE:** 10:00 AM EDT | Thursday, October 29, 2020

**REPORT DISTRIBUTION:** Public

### EXECUTIVE SUMMARY

Zeta made landfall as a Category 2 hurricane near Cocodrie, Louisiana, at approximately 5:00 PM EDT on Wednesday, October 28, with sustained winds of 110 MPH. As of 8:00 AM EDT, Hurricane Zeta was 50 miles west of Asheville, North Carolina, moving north at 39 MPH, with maximum sustained winds of 60 MPH. The center of Zeta will move across portions of the Southeastern U.S. this morning, across Mid-Atlantic states this afternoon, and emerge over the western Atlantic by tonight. 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 2.2 million customer outages reported across Louisiana, Mississippi, Alabama, Florida, Georgia, and North Carolina according to EAGLE-I and company social media posts. Approximately 908,000 of the customer outages are in Georgia, 593,000 in Alabama and 476,000 in Louisiana.
- Utilities in the impacted areas have begun damage assessments and restoration efforts as conditions permit.
- Prior to the storm, utilities pre-staged crews, equipment, and materials, and mutual assistance networks were activated to support restoration efforts as needed. 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 & Natural Gas Sector Summary

- The ports of Mobile, Alabama; Pascagoula, Mississippi; New Orleans, Louisiana; Gramercy, Louisiana; and Baton Rouge, Louisiana have closed in anticipation of Hurricane Zeta. Morgan City, Louisiana is under Port Condition Yankee.
- Some refineries in the New Orleans area went offline due to commercial power outages.
- Due to potential impacts from Zeta, as of 12:30 PM EDT, October 28, 67% of the oil production and 45% 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, stocks of gasoline and distillate were 2% and 27% above the 5-year average respectively. Gulf Coast stocks of crude oil were 15.2% above the 5-year average in the Gulf Coast (not including the SPR).

**ELECTRICITY SECTOR**

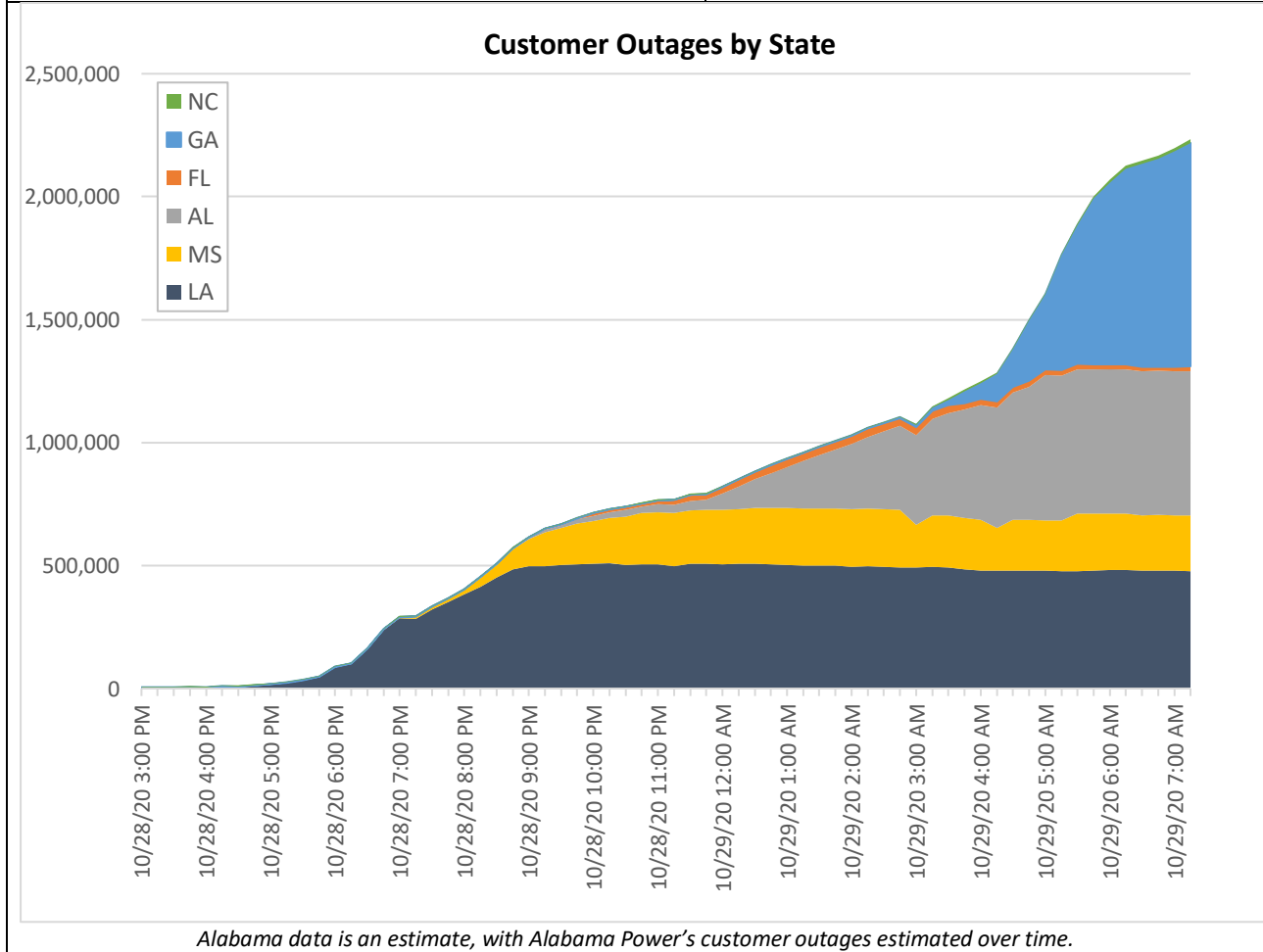
**POWER OUTAGES**

- As of 7:30 AM EDT, October 29, there are 2,239,748 customer outages across Louisiana, Mississippi, Alabama, Florida, Georgia, and North Carolina due to Hurricane Zeta.

Customer Power Outages as of 7:30 AM EDT 10/29/2020		
State	Current Outages	% of State Without Power
Louisiana	476,791	22%
Mississippi	227,073	19%
Alabama*	592,932	28.5%
Florida	19,571	<1%
Georgia	908,299	21%
North Carolina	15,083	<1%
<b>Total</b>	<b>2,239,748</b>	-



\*Alabama numbers includes outages estimated for Alabama Power Co and Sylacauga Utilities Board.

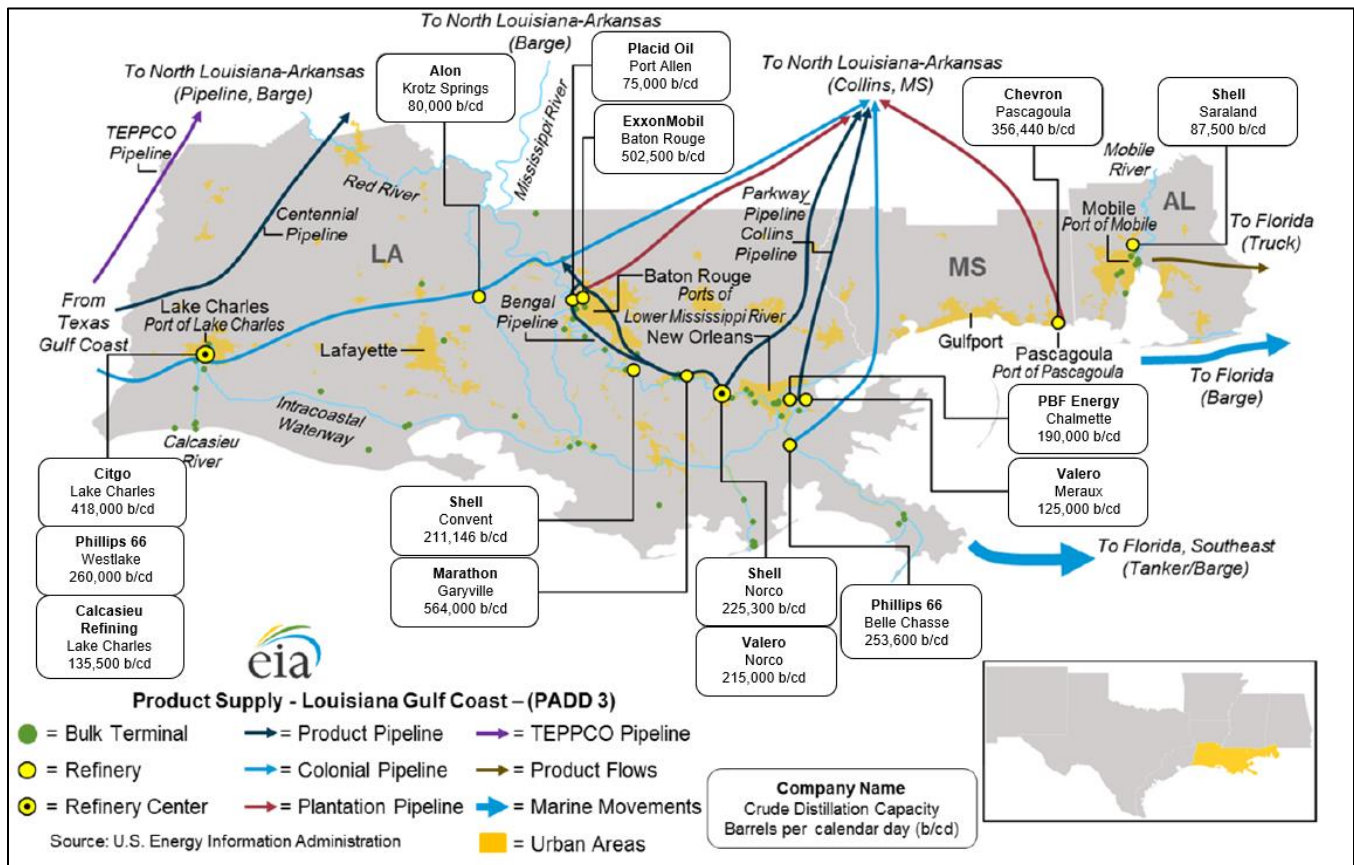


**RESTORATION OVERVIEW**

- Utilities are beginning damage assessments and restorations as conditions permit. Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.
- Restoration efforts and damage assessments will be limited until the storm has passed and weather conditions permit. Crews are unable to operate in heavily flooded areas when wind speeds are greater than 30 MPH. Flooding and debris may also limit access to some areas.
- 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 will work 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 10/29/2020			
Port	Inbound Petroleum * (b/d)	Status	Date Stamp
<b>Alabama</b>			
Mobile, AL	191,000	Closed. Port Status Zulu	10/28
<b>Mississippi</b>			
Pascagoula, MS	131,000	Closed. Port Status Zulu	10/28
<b>Louisiana</b>			
Baton Rouge, LA	83,000	Closed. Port Status Zulu.	10/28
Gramercy, LA	110,000	Closed. Port Status Zulu.	10/28
New Orleans, LA	201,000	Closed. Port Status Zulu.	10/28
Morgan City, LA	208,000	Open. Port Status Yankee.	10/27
Lake Charles, LA	394,000	Open with Restrictions. Port Status Whiskey	10/26
<b>Texas</b>			
Port Arthur, TX	358,000	Open with Restrictions. Port Status Whiskey	10/26

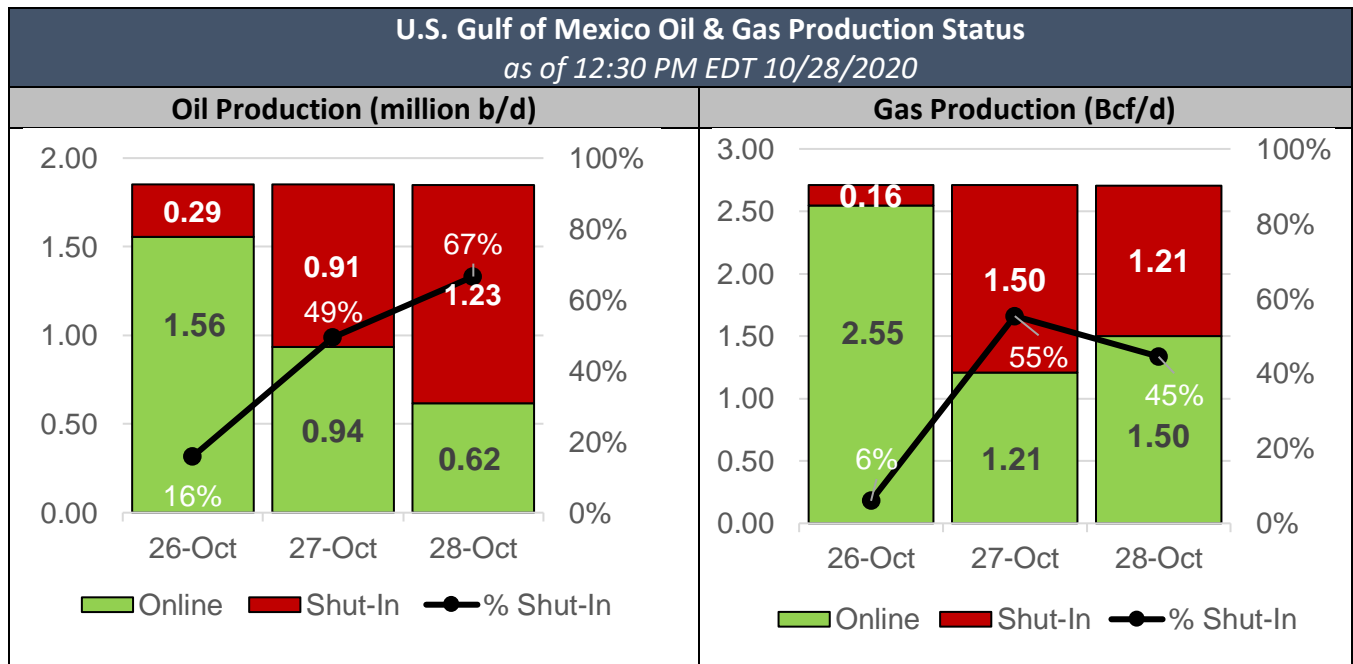
\*Crude oil and product foreign imports and domestic movements in 2018.

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**

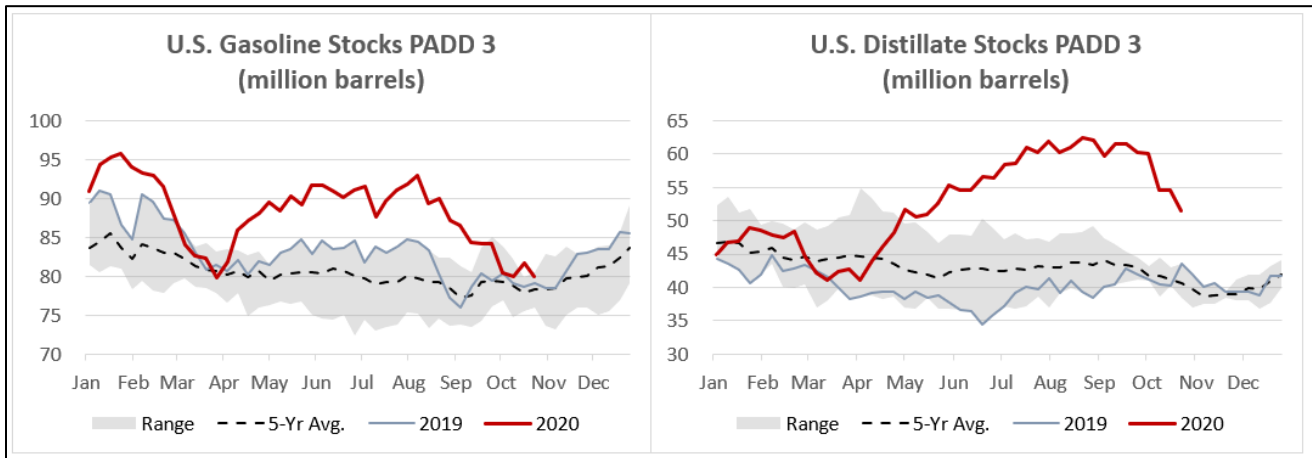
- As of 12:30 PM EDT, October 28, 1.23 million barrels per day (b/d) (66.6%) of the oil production and 1.205 billion cubic feet per day (Bcf/d) (44.5%) of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico are shut-in, according to estimates by the Bureau of Safety and Environmental Enforcement (BSEE).
- In addition, BSEE reports that 228 out of 643 manned platforms have been evacuated; 3 out of 10 non-dynamically positioned rigs have been evacuated; and 6 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 Gulf Coast (PADD 3) had 80.0 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 2% higher than the 5-year average for this time of year. For the week ending on October 23, the Gulf Coast had 51.4 million barrels of total distillate stocks, according to EIA. This is 27% higher than the 5-year average for this time of year.



- 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 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](#) to read the entire emergency regulation.

Emergency Declarations and HOS Waivers <i>as of 8:00 AM EDT 10/29/2020</i>				
State/Territory	Details	Effective Dates		Status
		Start	End	
Louisiana	<a href="#">State of Emergency</a>	10/26	11/24	Active
	<a href="#">Presidential Emergency Declaration</a>	10/26	Until rescinded	Active
Alabama	<a href="#">State of Emergency</a>	10/27	Until rescinded	Active
Mississippi	<a href="#">State of Emergency</a>	10/27	Until rescinded	Active
	<a href="#">Presidential Emergency Declaration</a>	10/27	Until rescinded	Active
AL, FL, LA, MS, & TX	<a href="#">FMCSA Hours of Service Waiver for Hurricane Delta</a>	10/7	11/6	Active

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