



Hurricane Delta | Update #4 - FINAL

REPORT TIME & DATE: 10:00 AM EDT | Tuesday, October 13, 2020

REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

Delta made landfall as a Category 2 Hurricane near Creole, Louisiana at approximately 6:00 PM CDT on Friday, October 9. Delta caused power outages across portions of Mississippi, Louisiana, and Texas, including impacts to many areas affected by Hurricane Laura in late August. The DOE Energy Response Center remains activated to manage Emergency Support Function #12 activities and to coordinate with industry partners in response to Hurricane Delta.

Electricity Sector Summary

- As of 8:30 AM EDT, there were approximately 136,000 customer outages reported across Louisiana, Texas, and Mississippi, according to EAGLE-I and the Louisiana Public Service Commission. Approximately 110,000 of the customer outages are in Louisiana.
- Restoration efforts are underway, with support from over 18,500 workers from at least 20 states. Utilities pre-staged crews, materials, and equipment in advance of the storm.
- Based on initial assessments, there was some damage to transmission lines. Impacts to the transmission infrastructure were less significant than the transmission impacts experienced during Hurricane Laura and will not require extensive system rebuilds.

Oil & Natural Gas Sector Summary

- Several refineries in Beaumont and Port Arthur, Texas have reported power outages and wind damage to their facilities from Hurricane Delta. In addition, several refineries in Lake Charles, Louisiana remain shut down or at reduced capability due to previous impacts from Hurricane Laura or Hurricane Sally.
- The ports of Lake Charles, Louisiana; Beaumont, Texas; and Port Arthur, Texas are open with draft restrictions and night transit restrictions.
- As of 12:30 PM EDT, October 12, 69% of the oil production and 47% 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 prior to the storm.
- The refinery and offshore production shut-ins are not anticipated to cause any immediate fuel supply issues as U.S. and Gulf Coast stocks of gasoline, diesel, and crude oil are at or above their 5-year averages.

ELECTRICITY SECTOR

POWER OUTAGES

- As of 8:30 AM EDT, October 13, there are 135,910 customer outages across Louisiana, Texas, and Mississippi due to Hurricane Delta.

Customer Power Outages as of 8:30 AM EDT 10/13/2020				
State	Current Outages	% of State Without Power	Peak Storm Outages	% Customers Restored from Peak
Louisiana*	109,571	5.1%	688,180	84%
Texas	17,823	<1%	118,674	85%
Mississippi	8,516	<1%	99,486	91%
Total	135,910	-	-	-

**Louisiana numbers via EAGLE-I, with outages estimated and added for Jeff Davis Electric, PC Electric, Concordia Electric, and Lafayette Utilities System.*

All other state numbers are via EAGLE-I.

The following states with fewer than 2,000 storm-related outages have been removed from the table: TN, AR, and AL.

Data via EAGLE-I as of 8:30 AM EDT 10/13

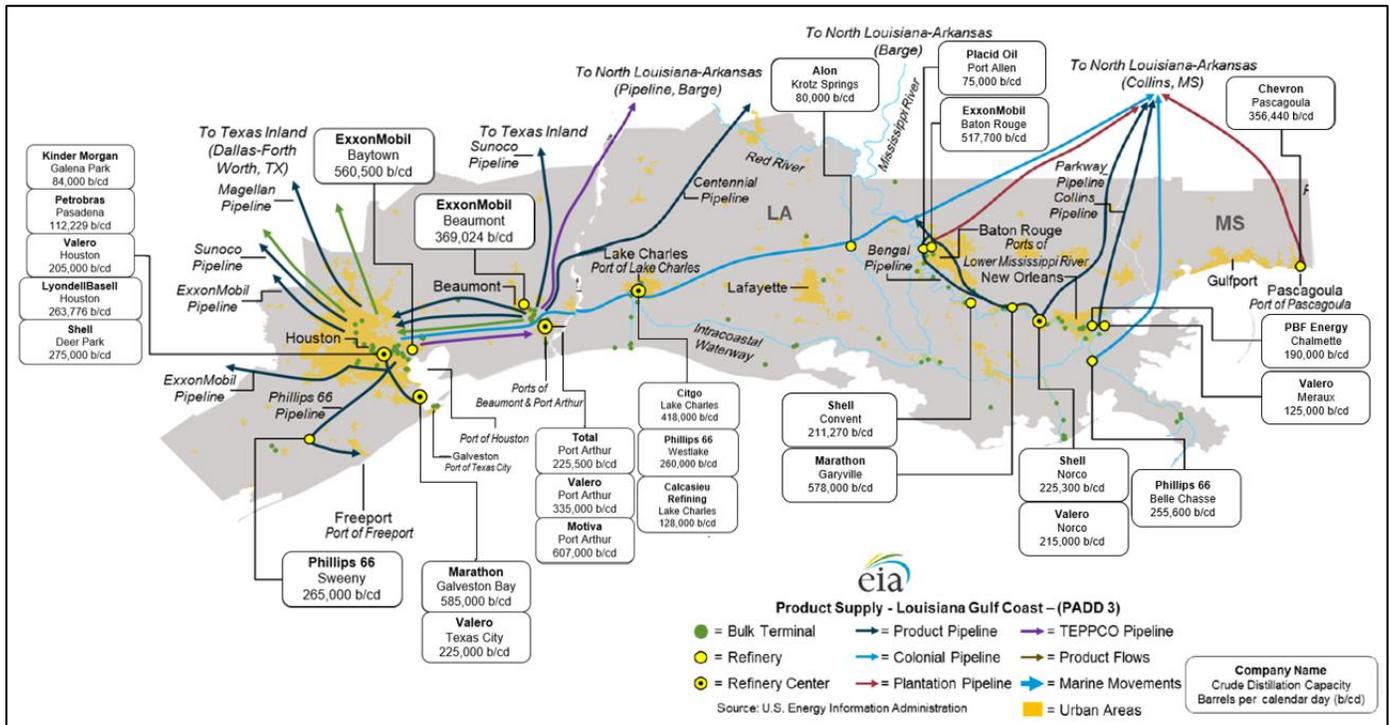
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RESTORATION OVERVIEW

- Restorations efforts are underway across the affected area, support by over 18,500 workers from at least 20 states. Utilities pre-stage crews, materials, and equipment in advance of the storm.
- Fluctuation in the outage numbers is normal during large-scale restoration efforts.
- 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

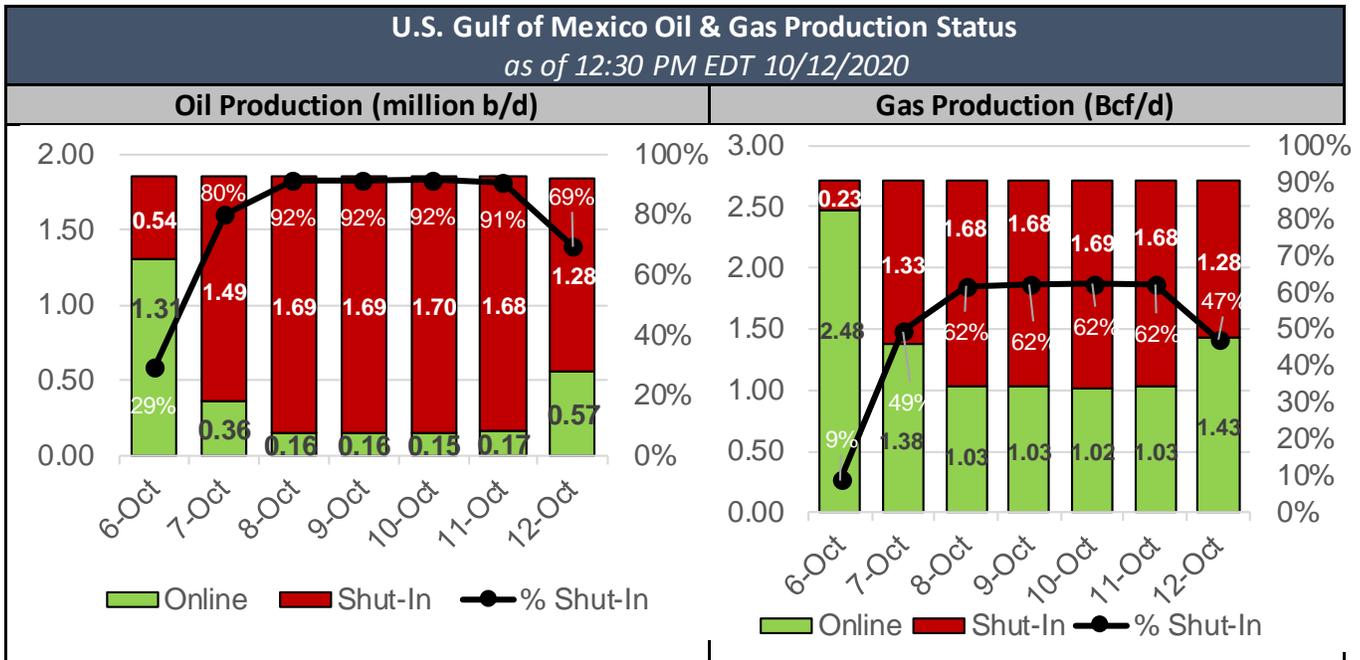
OIL AND NATURAL GAS SECTOR

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 and Texas Gulf Coast regions.



OFFSHORE PRODUCTION

- As of 12:30 PM EDT, October 12, 1.28 million barrels per day (b/d) (69.40%) of the oil production and 1.28 billion cubic feet per day (Bcf/d) (47.10%) 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 124 out of 643 manned platforms have been evacuated. All personal for non-dynamically positioned rigs have returned and all dynamically positioned rigs have returned to their original location prior to the storm.



Source: [BSEE](#)

PORTS

- **Louisiana Offshore Oil Port (LOOP)** is open as of October 10. LOOP is the only U.S. port capable of receiving very large crude carriers (VLCCs).
- The U.S. Coast Guard has set the following conditions for ports and waterways as a result of Hurricane Delta. Listed in the table are select ports that receive petroleum products.

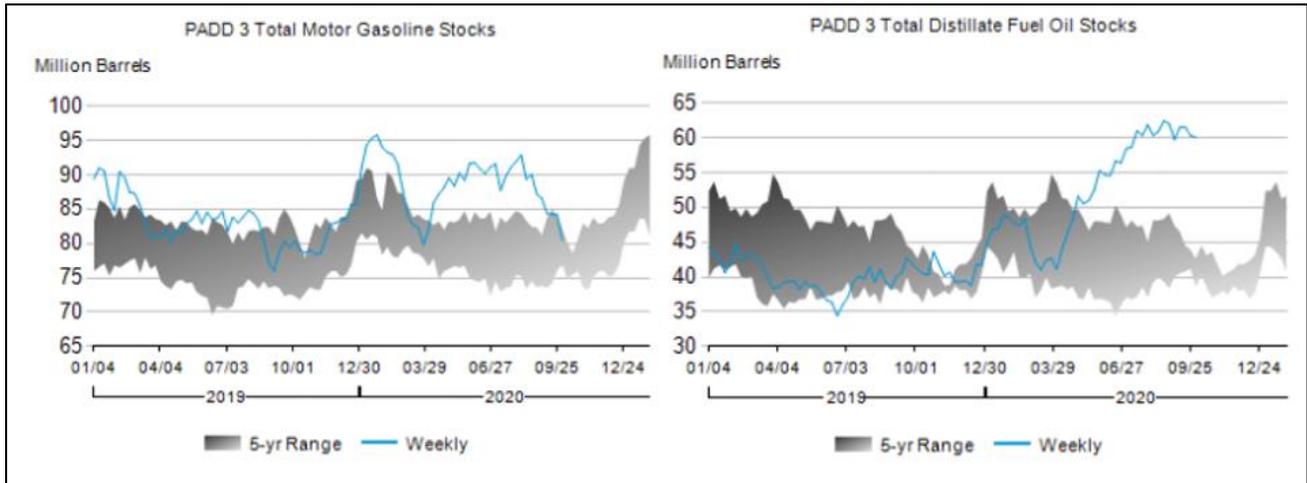
Status of Gulf Coast Ports as of 9:00 AM EDT 10/13/2020			
Port	Inbound Petroleum * (b/d)	Status	Date Stamp
Alabama			
Mobile, AL	191,000	Open with draft restriction of 45 feet. Port Status Normal.	10/9
Mississippi			
Pascagoula, MS	131,000	Open. Port Status Normal.	10/9
Louisiana			
Baton Rouge, LA	83,000	Open. Port Status Normal.	10/10
Gramercy, LA	110,000	Open. Port Status Normal	10/10
New Orleans, LA	201,000	Open. Port Status Normal	10/10
Morgan City, LA	208,000	Open. Port Status Normal	10/11
Lake Charles, LA	394,000	Open with draft restriction of 25 feet. Daylight only transit. Port Status Recovery.	10/12
Texas			
Port Arthur, TX	358,000	Open with draft restriction of 32 feet during nighttime hours. Port Status Recovery.	10/12
Beaumont, TX	365,000		
Freeport, TX	94,000	Open. Port Status Normal.	10/10
Galveston, TX	33,000	Open. Port Status Normal.	10/10
Houston, TX	894,000	Open. Port Status Normal.	10/10
Texas City, TX	113,000	Open. Port Status Normal.	10/10

*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

FUEL STOCKS

- For the week ending on October 2, the Gulf Coast (PADD 3) had 80.4 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 2, the Gulf Coast had 60.0 million barrels of total distillate stocks, according to EIA. This is 41% 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 438.1 million barrels for the week ending October 2, approximately 6.3% above the 5-year average for the time of year. Gasoline stocks are even with the seasonal 5-year average, distillate stocks are 21.9% above their respective seasonal 5-year averages, while jet fuel stocks are 9.6% below its 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](#) for the actual emergency regulation.

Emergency Declarations and HOS Waivers as of 9:00 AM EDT 10/13/2020				
State/Territory	Details	Effective Dates		Status
		Start	End	
AL, FL, LA, MS, & TX	FMCSA Hours of Service Waiver	10/7	11/6	Active
Louisiana	State of Emergency	10/6	11/4	Active
	Presidential Declaration of Emergency	10/6	Until rescinded	Active
Alabama	State of Emergency	10/6	Until rescinded	Active
	ADEM Gasoline Loading Enforcement Discretion	10/9	10/23	Active
Mississippi	State of Emergency	10/7	Until rescinded	Active
	Presidential Declaration of Emergency	10/7	Until rescinded	Active

Sources: State government and the White House websites.

WAIVERS

- PHMSA Emergency Stay of Enforcement for Operators Affected by Hurricane Delta:** On October 9, the Pipeline and Hazardous Materials Safety Administration (PHMSA) issued an emergency [stay of enforcement](#) for pipeline and LNG facility operators impacted by Hurricane Delta. PHMSA will not take enforcement action relating to noncompliance with federal operator qualifications, certain training requirements, nor employment drug testing requirements for personnel involved in response and recovery efforts related to Hurricane Delta. The order is valid for 45 days.
- PHMSA Waiver of Hazardous Materials Regulations:** On October 9, the Pipeline and Hazardous Materials Safety Administration (PHMSA) issued an emergency waiver [order](#) declaring an emergency in Louisiana and Mississippi in relation to Hurricane Delta. The waiver relaxes certain requirements for the transportation of hazardous materials and is intended to support the U.S. Coast Guard and EPA in their response to Delta. The order is valid for 30 days.