



Hurricane Ida | Update #1

REPORT TIME & DATE: 4:00 PM EDT | Sunday, August 29, 2021

REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

As of 2:00 PM EDT, Hurricane Ida was 55 miles south-southwest of New Orleans, LA, moving northwest at 13 MPH, with maximum sustained winds of 150 MPH (Cat 4). The storm made landfall near Port Fourchon, LA around 1:00 PM EDT. Significant storm surge, hurricane-force winds, and flash flooding are impacting the southeastern coast of Louisiana. On the forecast track, Ida will move inland over Louisiana and western Mississippi later today and on Monday. Ida will continue to produce heavy rainfall today through Monday across the central Gulf Coast from southeast Louisiana, coastal Mississippi, and far southwestern Alabama, resulting in considerable life-threatening flash and urban flooding and significant river flooding impacts.

Electricity Sector Summary

- As of 2:00 PM EDT on August 29, there are approximately 186,000 customer storm-related outages, with approximately 184,000 customer outages in Louisiana. Power outages are increasing rapidly as Ida progresses, and totals are likely to change quickly.

Oil & Natural Gas Sector Summary

- Several pipelines have shut down operations as a precautionary measure. Pipelines will return to service once conditions permit.
- The ports of New Orleans, Baton Rouge, Gramercy, and Morgan City in Louisiana and the Port of Pascagoula in Mississippi are closed in anticipation of Hurricane Ida. The Louisiana Offshore Oil Port (LOOP) also suspended operations at its marine terminal.
- At least nine refineries in Louisiana have reduced production or shut-in operations in advance of the storm. This accounts for about 2.3 million b/d of U.S. refinery capacity, or approximately 13% of the total U.S. operable refining capacity.
- Due to potential impacts from Ida, as of 12:30 PM EDT, August 29, 96% of the oil production and 94% 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.
- The refinery and offshore platform shut-ins are not anticipated to cause any immediate supply issues. For the week ending on August 20, Gulf Coast stocks of gasoline and distillate were 3% and 5% above the seasonal five-year average. Gulf Coast stocks of crude oil were essentially in line with the five-year average in the Gulf Coast (not including the SPR).
- Due to increased demand from evacuees, there are likely limited temporary localized retail fuel station disruptions. Suppliers are working to keep retail stations supplied.

DOE ACTIONS**DOE ENERGY RESPONSE ORGANIZATION (ERO): ACTIVATED - LEVEL 1**

- DOE is coordinating with industry, interagency, and territorial partners to support response efforts related to Hurricane Ida.
- DOE is holding daily unity of effort call with electricity and oil and natural gas partners and in regular contact with the North American Electric Reliability Corporation.
- DOE has worked with FEMA and industry partners to prepare for hurricane response operations during the COVID-19 pandemic.

DOE EMERGENCY SUPPORT FUNCTION (ESF) #12 DEPLOYMENTS:

- DOE HQ Energy Response Organization – Washington, DC
- FEMA National Response Coordination Center – Washington, DC
- FEMA Region IV Response Coordination Center – Atlanta, GA – Virtual
- FEMA Region VI Response Coordination Center – Denton, TX
- Louisiana Joint Field Office – Baton Rouge, LA



ELECTRICITY SECTOR

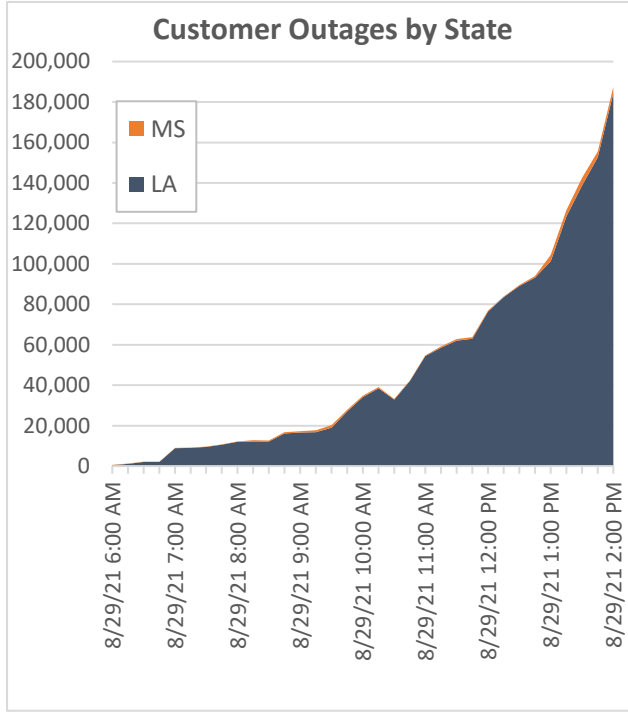
POWER OUTAGES

- As of 2:00 PM EDT on August 29, there are approximately 186,000 customer outages due to Ida, of which approximately 184,000 outages are in Louisiana. Power outages are increasing rapidly as Ida progresses inland, and totals are likely to change quickly.
- The Midcontinent Independent System Operator (MISO) has declared a Severe Weather Alert and Conservative Operations from 8:00 AM EDT on August 29 to 11:59 PM EDT on August 31.

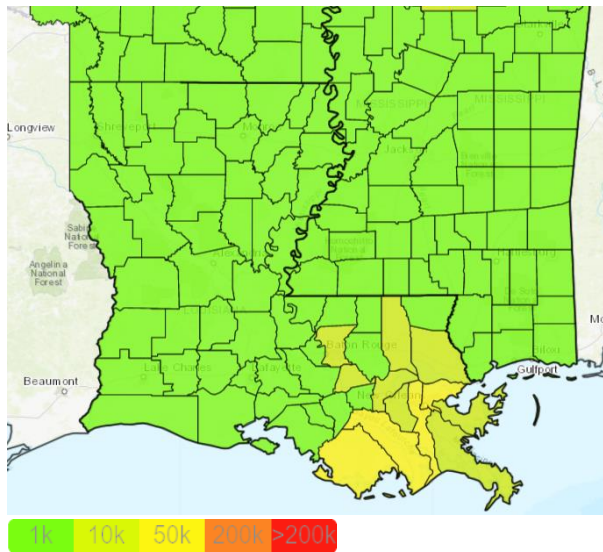
East Coast Customer Power Outages
as of 2:00 PM EDT 08/29/2021

State	Current Outages	% of State Without Power
Louisiana	184,348	9%
Mississippi*	1,700	<1%
Total	186,048	-

*Estimated storm-related outages. Additional outages in Mississippi as of 2 PM EDT are likely unrelated to the storm.



Outage Map

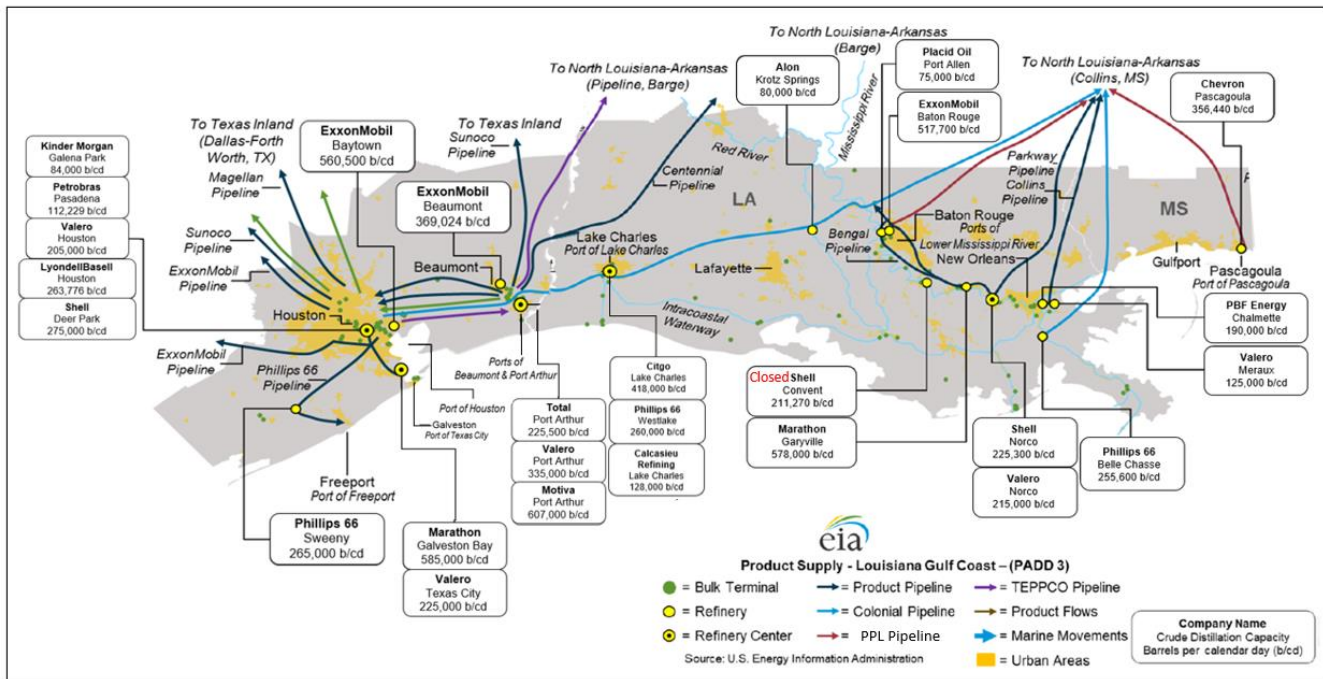


PREPARATIONS

- Across the electricity subsector, mutual aid networks are activated to support post-storm restoration efforts and utilities have pre-staged crews, materials, and equipment. Initial mutual assistance efforts are being supported by crews from at least 22 states and the District of Columbia.
- Entergy anticipates mobilizing a storm team of approximately 16,000 personnel. Personnel numbers will be adjusted post-storm depending on resource requirements.
- Entergy has warned that customers in the direct path of the storm could experience outages for more than three weeks, although most customers will likely be restored sooner.
- Other utilities in the area, including the municipal and cooperative utilities, have made numerous preparations for the storm and have crews on standby ready to support restoration efforts once conditions permit.

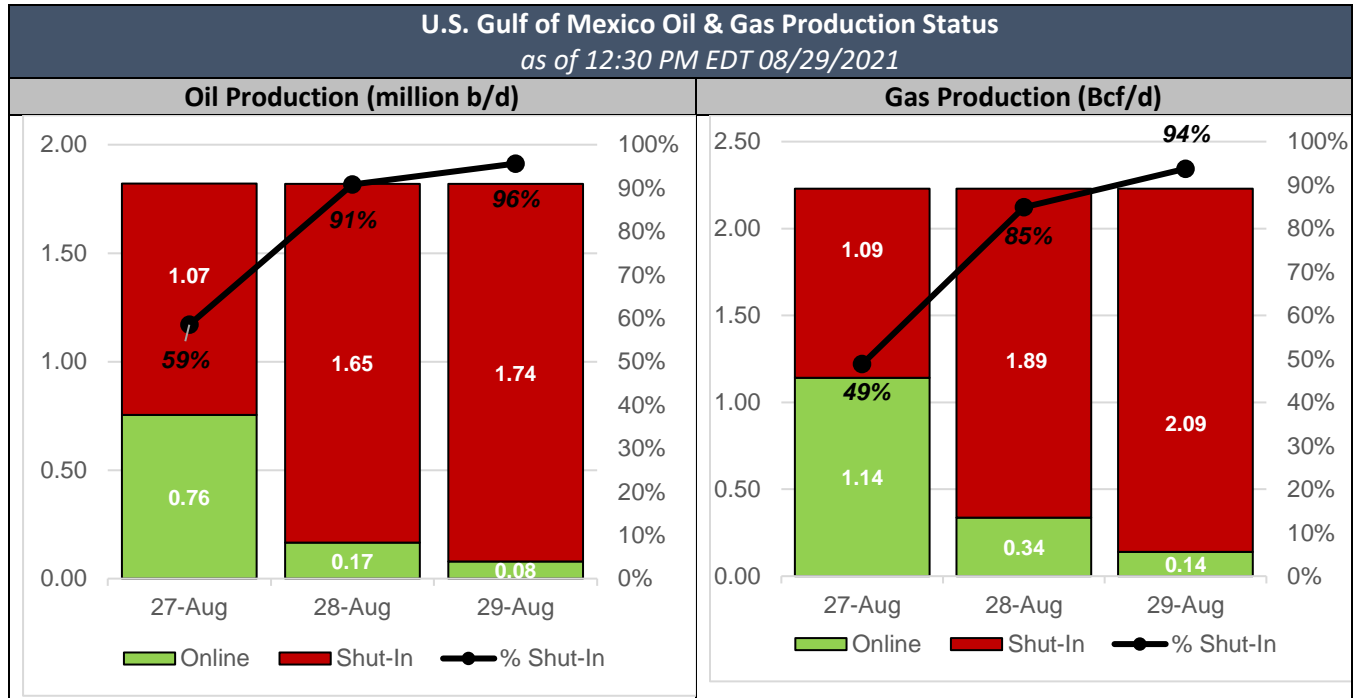
OIL AND NATURAL GAS SECTOR

Just over half of total U.S. refining capacity is 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 PPL 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, August 29, 1.74 million barrels per day (b/d) (95.65%) of the oil production and 2.09 billion cubic feet per day (Bcf/d) (93.75%) 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 288 out of 560 manned platforms have been evacuated; all 11 of the non-dynamically positioned rigs have been evacuated; and 10 of the 15 dynamically positioned rigs have moved out of the storm’s path as a precaution.



Source: [BSEE](#)

PORTS

- Louisiana Offshore Oil Port (LOOP) has suspended operations at its marine terminal as of August 28, per standard procedure. LOOP is the U.S. port capable of receiving very large crude carriers.
- The U.S. Coast Guard has set the following conditions for ports and waterways as a result of Ida. Listed in the table are select ports that receive petroleum products.

Status of Gulf Coast Ports as of 08/29/2021				
Port	Inbound Crude Oil* (b/d)	Inbound Refined Product* (b/d)	Status	Date Stamp
Louisiana				
Baton Rouge, LA	31,000	29,000	Closed. Port Condition Zulu.	8/28
Gramercy, LA	66,000	--	Closed. Port Condition Zulu.	8/28
New Orleans, LA	132,000	53,000	Closed. Port Condition Zulu.	8/28
Morgan City, LA	47,000	1,000	Closed. Port Condition Zulu.	8/28
Lake Charles, LA	144,000	1,000	Open with restrictions. Port Condition Yankee.	8/28
Mississippi				
Pascagoula, MS	88,000	--	Closed. Port Condition Zulu.	8/28
Alabama				
Mobile, AL	165,000	6,000	Open with restrictions. Port Condition Yankee.	8/28

*Foreign imports and domestic movements in 2019.

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

RETAIL STATION OUTAGES

- Some gas stations, especially in the New Orleans and Baton Rouge metro areas, have experienced fuel outages due to increase demand, as residents evacuate and/or fill up their tanks.

PETROLEUM REFINERIES

- At least nine refineries in Louisiana have reduced production or shut-in operations in advance of the storm. This accounts for about 2.3 million b/d of U.S. refinery capacity, or approximately 13% of the total U.S. operable refining capacity.

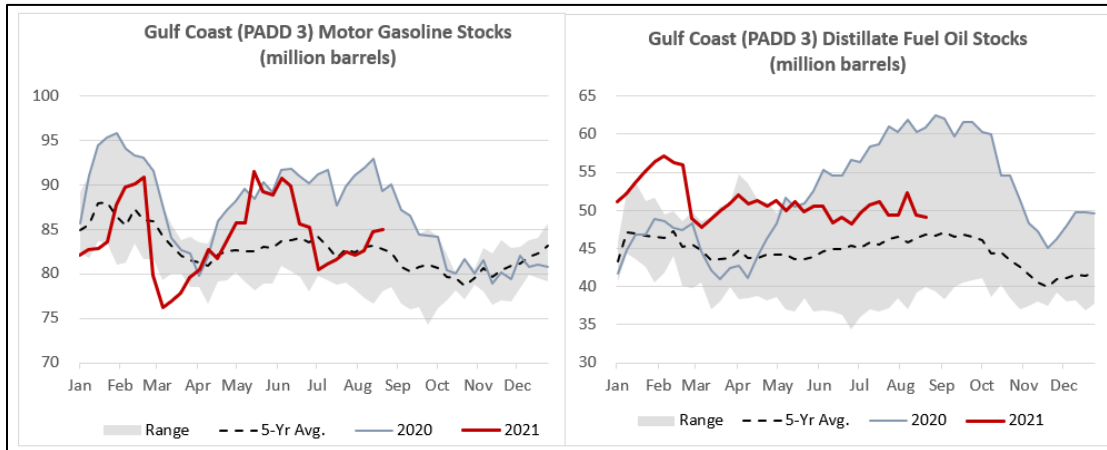
PETROLEUM PIPELINES

- Several petroleum and petroleum product pipelines in the affected area have been shut down as a precaution. The pipelines will return to service as conditions permit.

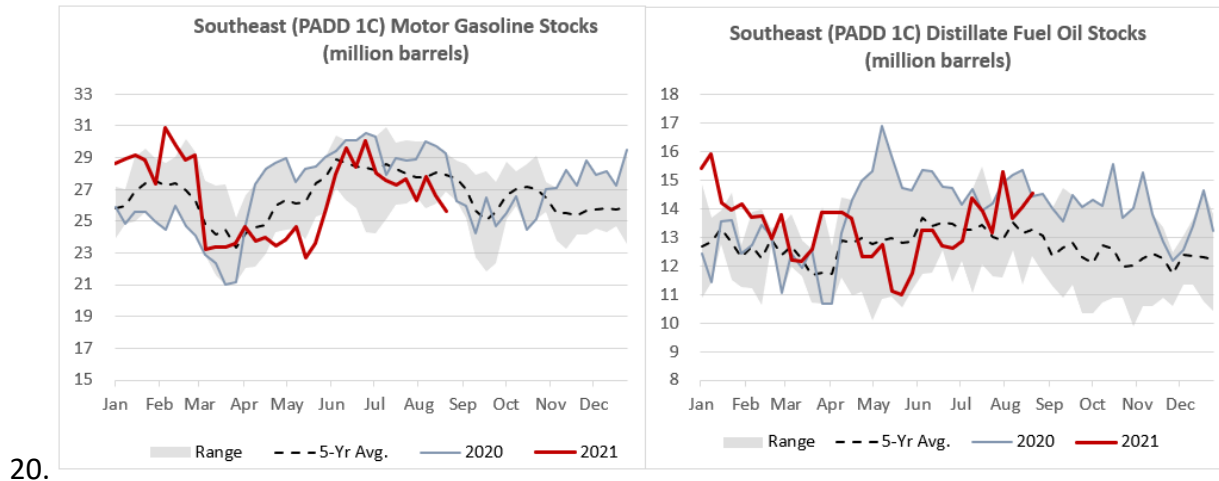


FUEL STOCKS

- For the week ending on August 20, 2021, the Gulf Coast (PADD 3) had 84.9 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 3% higher than the five-year average for this time of year. For the week ending on August 20, the Gulf Coast had 49.1 million barrels of total distillate stocks, according to EIA. This is 5% higher than the five-year average for this time of year.



- Overall U.S. stocks for transportation fuels (gasoline, jet fuel, and diesel) stood at 408.8 million barrels for the week ending August 20, 2021, approximately 4% below the 5-year average for the time of year. Gasoline and distillate stocks are 4% and 8% below their respective seasonal five-year averages, while jet fuel stocks are 8% above its respective five-year average.
- The Southeast U.S. (PADD 1C) receives most of its transportation fuel supply via pipeline or marine transport from refineries in the Gulf Coast region. Gasoline stocks in PADD 1C were 25.6 million barrels (8% lower than the five-year average for this time of year), while distillate stocks were 14.5 million barrels (10% higher than the five-year average for this time of year) for the week of Aug.



NATURAL GAS PIPELINES & UTILITIES

- Natural gas pipelines and utilities have implemented hurricane response plans.

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 3:00 PM EDT 08/29/2021				
State/Territory	Details	Effective Dates		Status
		Start	End	
AL, AR, LA, MS, TN, TX	Regional Federal Motor Carrier Safety Administration Emergency Declaration (HOS Waiver)	8/29	9/28	Active
Alabama	State of Emergency & HOS Waiver	8/28	Until rescinded	Active
Mississippi	State of Emergency	8/28	Until rescinded	Active
	Presidential Emergency Declaration	8/28	Until rescinded	Active
Louisiana	State of Emergency	8/26	9/27	Active
	Presidential Emergency Declaration	8/27	Until rescinded	Active

Sources: State government, White House, and Federal Motor Carrier Safety Administration websites.

WAIVERS

- On August 28, the Pipeline and Hazardous Materials Safety Administration (PHMSA) issued a [Stay of Enforcement](#) to all liquefied natural gas facilities and interstate gas and hazardous liquid pipeline operators affected by Hurricane Ida. The Stay of Enforcement alerts operators that PHMSA will temporarily relax enforcement of certain regulations related to operator qualifications and employment drug testing requirements to remove obstacles that would prevent safe and rapid recovery efforts. The Stay of Enforcement remains in effect for 45 days or until rescinded or extended by PHMSA.
- On August 27, the Louisiana State Department of Transportation and Development issued a [Secretary's Emergency Order](#) suspending all tolls under the operation and control of the state of Louisiana, specifically LA 1 Toll Bridge from Leeville to Grand Isle and Port Fourchon. The order remains in effect until rescinded.
- The Louisiana State Department of Transportation and Development issued a [Weight Restriction Waiver](#) suspending certain vehicle size and weight restrictions in order to assist in hurricane response and recovery efforts. The waiver remains in effect August 27 through September 24.