



Hurricane Barry | Report #2

REPORT TIME & DATE: 11:30 AM EDT | Saturday, July 13, 2019
INCIDENT START DATE: Friday, July 12, 2019
PRIMARY LOCATION(S): Gulf Coast
REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

As of 11:00 AM EDT, Hurricane Barry was 40 miles south of Lafayette, Louisiana, moving northwest at 6 MPH, with maximum sustained winds of 75 MPH. On the forecast track, the center of Barry will move through southern Louisiana today, into central Louisiana tonight, and into northern Louisiana on Sunday. The U.S. Department of Energy (DOE) Energy Response Organization is closely monitoring impacts from Barry and holding regular coordination calls with industry partners.

Electricity Sector Summary

- As of 11:00 AM EDT, there are 72,457 customer outages reported across the states of Alabama, Louisiana, Mississippi, and Texas, including 66,979 customer outages in Louisiana.
- Potentially impacted utilities have pre-staged crews, equipment, and materials and mutual assistance networks have been activated to support restoration efforts as needed.
- Utilities will begin damage assessments and restorations as conditions permit.

Oil & Natural Gas Sector Summary

- All ports in Louisiana have closed in preparation for Hurricane Barry.
- One refinery in Louisiana has shut-in as a precaution. All other refineries are monitoring the storm but remain operations.
- Several offshore oil and natural gas production platforms have shut-in and evacuated non-essential personnel as a precaution.
- For the week ending on July 5, the Gulf Coast (PADD 3) had 81.7 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 6% higher than the 5-year average for this time of year. The Gulf Coast also has 37.1 million barrels of total distillate stocks, which is below than the 5-year average for this time of year; however, stocks have increased since the prior week.



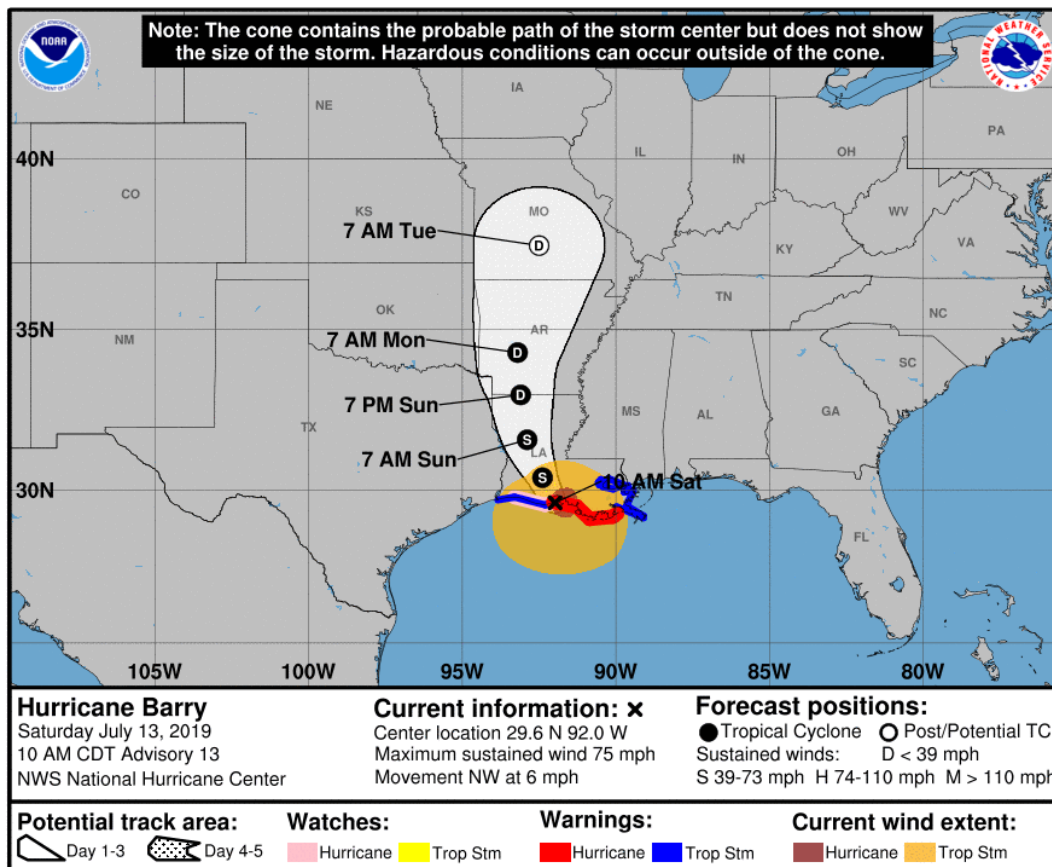
Hurricane Barry

As of 11:00 AM EDT, Hurricane Barry was 40 miles south of Lafayette, Louisiana, moving northwest at 6 MPH, with maximum sustained winds of 75 MPH. Hurricane-force winds extend outward up to 45 miles from the center and tropical storm-force winds extend outward up to 175 miles. Barry is expected to turn toward the north-northwest later tonight. On the forecast track, the center of Barry will move through southern Louisiana today, into central Louisiana tonight, and into northern Louisiana on Sunday.

Barry is expected to produce total rain accumulations of 10 to 20 inches over south-central and southeast Louisiana along with southwest Mississippi, with isolated maximum amounts of 25 inches. Rainfall accumulation of 4 to 8 inches is expected over the remainder of the Lower Mississippi Valley and western portions of the Tennessee Valley.

If peak storm surge occurs during high-tide, Barry may produce a storm surge of 3 to 6 feet from Intracoastal City to Shell Beach; 3 to 5 feet from Shell Beach to Biloxi, as well as Lake Pontchartrain; and 2 to 4 feet from Biloxi, Mississippi to the Mississippi/Alabama Border.

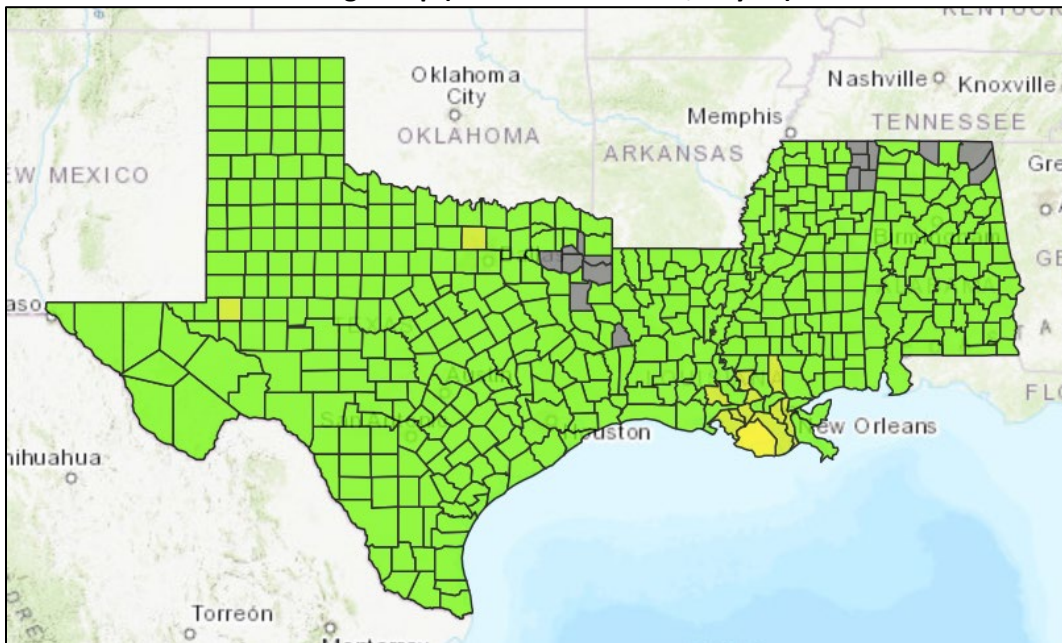
A hurricane warning is in effect for Intracoastal City to Grand Isle. A tropical storm warning is in effect from the Mouth of the Pearl River to Grand Isle; Intracoastal City to Sabine Pass, as well as Lake Pontchartrain and Lake Maurepas including metropolitan New Orleans.



ELECTRICITY SECTOR

POWER OUTAGES

Outage Map (as of 11:00 AM EDT, July 13)



ELECTRICITY OUTAGES AS OF 11:00 AM EDT 7/13/2018			
Impacted State	Current Customers Outages	Percent of Total Customers in State without Power	24-Hour Peak Customer Outages
Alabama	906	0.05%	3,249
Louisiana	66,979	3.23%	99,280
Mississippi	1,925	0.17%	2,025
Texas	2,647	0.02%	10,056
Total	72,457	-	*

**There is no sum of the Peak Customer Outage column because peaks for individual utilities occur at different times.*

ELECTRICITY IMPACTS & RESTORATION EFFORTS

- As of 4:00 PM EDT on July 12, Entergy Louisiana workforce totals more than 2,800 workers, including 2,000 line and vegetation workers onsite and en-route, and 130 restoration workers. After the storm passes, Entergy Louisiana will deploy scouts to assess damage to provide estimated restoration times.
- As of July 11, Central Louisiana Electric Company (CLECO) has increased number of external resources to 800 line mechanics and 395 vegetation specialists.
- As of 4:00 PM EDT on July 12, the Lafayette Utilities System (LUS) reports the city of Tallahassee, Florida and the Gainesville Regional Utilities are providing an additional 80 tree-trimmers, mechanics, and line workers to support restoration.
- As of 9:00 AM EDT on July 13, Alabama Power storm team and crews continue to monitor the storm’s path and are ready to respond to power outages as needed.
- As of 9:00 AM EDT on July 13, Singing River Electric Cooperative crews are prepositioned to respond to storm damage and are currently restoring power to 135 customers in Jackson and George counties in Mississippi.

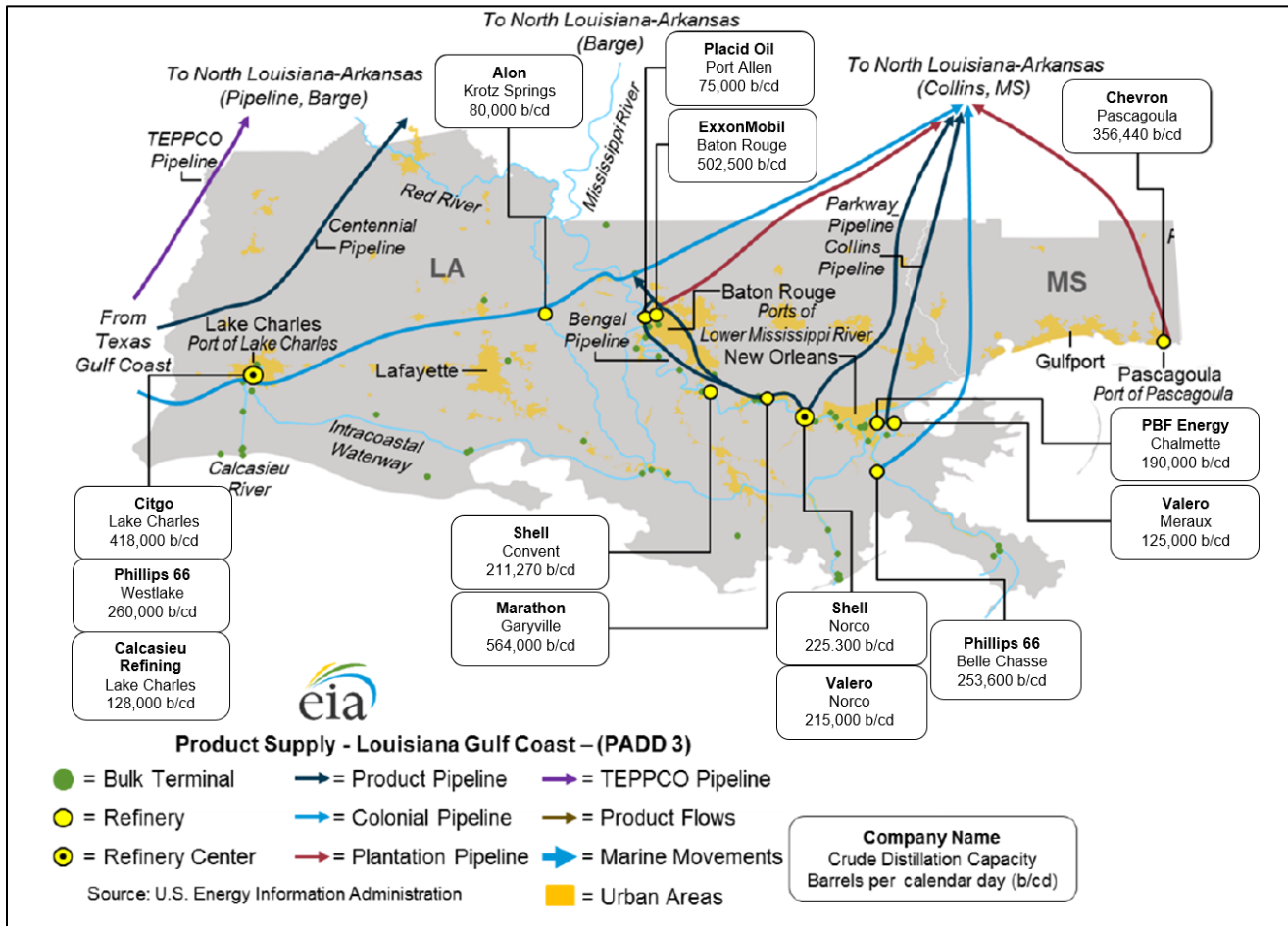
BACKGROUND AND PREPARATIONS

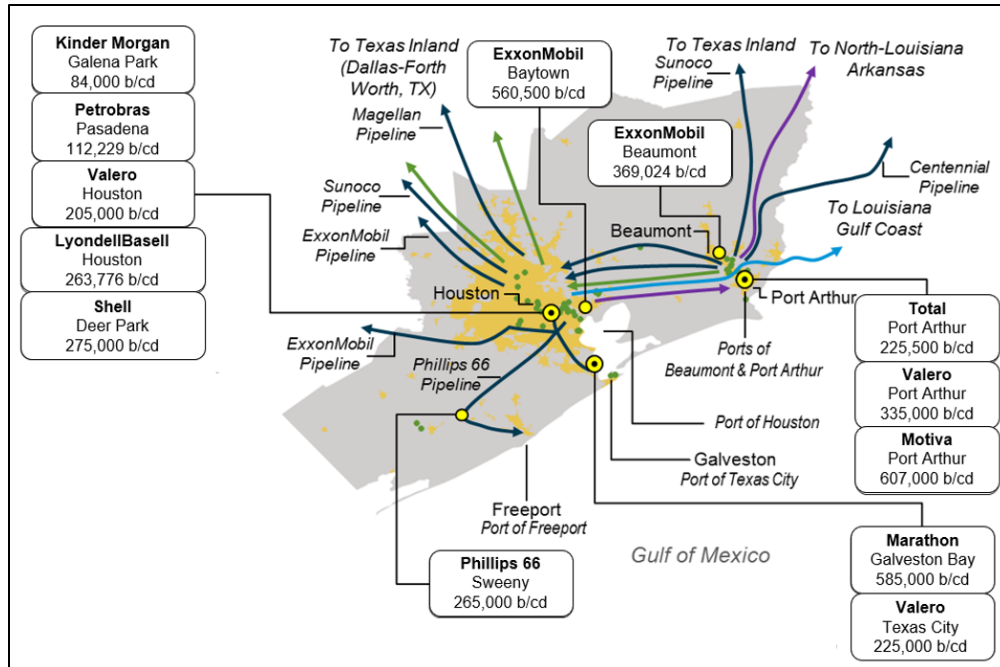
- The affected area is served by several utilities, including investor owned utilities, municipal utilities, and cooperative utilities. The three associations that represent these utilities and manage the mutual assistance networks, the Edison Electric Institute (EEI), American Public Power Association (APPA), and the National Rural Electric Cooperative Association (NRECA), have been in regular contact with DOE, the potentially affected entities, and their mutual assistance networks.
- Potentially affected utilities have prepositioned crews, materials, and equipment to begin restorations as conditions permit.
- Mutual assistance networks have been activated and are ready to support restoration efforts if requested.

OIL & NATURAL GAS SECTOR

OVERVIEW

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 maps below highlight the petroleum supply chain in the Louisiana and Texas Gulf Coast regions.





OFFSHORE OIL & GAS PRODUCTION

- As of 12:30 PM EDT, July 12, 1.11 million barrels per day (b/d) (58.7%) of the oil production and 1.4 billion cubic feet per day (Bcf/d) (48.69%) 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 257 out of 669 manned platforms have been evacuated; 10 out of 21 non-dynamically positioned rigs have been evacuated; and 11 out of 20 dynamically positioned rigs have moved out of the storm’s path as a precaution.

PORTS

- The U.S. Coast Guard has set the following conditions for Gulf Coast ports as a result of Tropical Storm Barry.

Status of Gulf Coast Petroleum Ports as of 10:30 AM EDT 07/13/2019						
Port Sector/ Port	Status	Date Stamp	2017 Crude Volumes (b/d)		2017 Product Volumes (b/d)	
			In	Out	In	Out
Sector Mobile						
Mobile, AL	Open. Port status Normal.	7/12	73,099	5,171	1,560	48,485
Pascagoula, MS	Open. Port status X-Ray.	7/12	51,020	41	3,980	40,890
New Orleans						
New Orleans, LA	Closed. Port status Zulu.	7/12	73,374	20,206	20,989	226,100
Baton Rouge, LA	Closed. Port status Zulu.	7/12	16,059	1,774	11,673	25,510
Gramercy, LA	Closed. Port status Zulu.	7/12	46,182	0	754	0
Houma						
Morgan City	Closed. Port status Zulu.	7/12	110,210	1,560	156	50
LOOP	Closed. Port status Zulu	7/12				
Port Arthur and Lake Charles						
Beaumont, TX	Open. Port status Yankee.	7/11	27,751	60,368	22,139	69,140
Lake Charles, LA	Open. Port status Yankee.	7/11	115,913	1,140	15,170	66,132

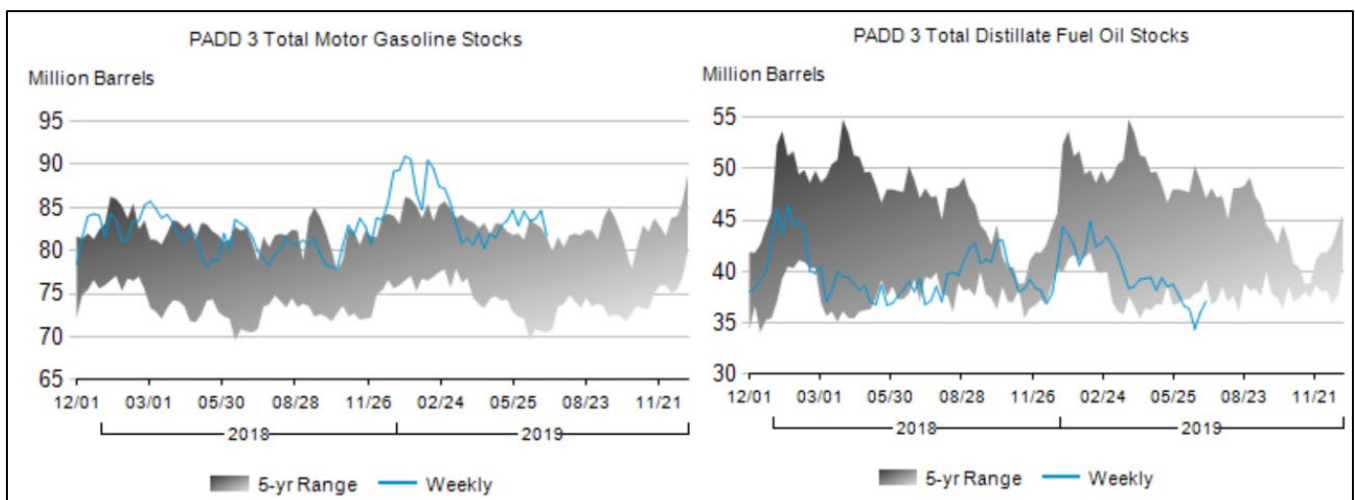
Source: Port status from U.S. Coast Guard [Homeport](#); Crude and product volumes as of 2017 from U.S. Army Corp of Engineers Waterborne Commerce Statistics and EIA Company Level Imports

PETROLEUM REFINERIES

- As of 10:30 AM July 13, only one refinery has been shut down due to Barry. All other refineries are operational and monitoring the storm.

FUEL STOCKS

- For the week ending on July 5, 2019, the Gulf Coast (PADD 3) had 81.7 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 6% higher than the 5-year average for this time of year. For the week ending on July 5, the Gulf Coast had 37.1 million barrels of total distillate stocks, according to EIA. This is 14% lower than the 5-year average for this time of year.



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.

State(s)	Details	Effective Dates		Status
		Start	End	
AL, AR, FL, GA, IL, IN, KS, KY, LA, MS, MO, OK, TN, TX	FMCSA Regional Declaration of Emergency	7/11/19	8/10/19	Active
Louisiana	State of Emergency	7/10/19	8/8/19	Active
Mississippi	State of Emergency	7/12/19	--	Active

Sources: [U.S. Department of Transportation](#); Governor Office Websites