



Tropical Storm Barry | Report #1

REPORT TIME & DATE: 3:00 PM EDT | Friday, July 12, 2019
INCIDENT START DATE: Friday, July 12, 2019
PRIMARY LOCATION(S): Gulf Coast
REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

As of 2:00 PM EDT, Tropical Storm Barry was 100 miles south-southeast of Morgan City, Louisiana, moving west-northwest at 5 MPH, with maximum sustained winds of 65 MPH. On the forecast track, the center of Barry will approach the central or southeastern coast of Louisiana through tonight and then make landfall over the central Louisiana coast on Saturday. After landfall, Barry is expected to move northward through the Mississippi Valley through Sunday. The DOE Energy Response Organization is closely monitoring the storm and in regular contact with industry and interagency partners.

Electricity Sector Summary

- As of the 2:00 PD EDT forecast, the Argonne National Laboratory predictive outage model estimated a peak of approximately 254,000 customer outages, mainly 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.

Oil & Natural Gas Sector Summary

- Most ports in Louisiana remain open, with restrictions, with the exception of Morgan City, which has closed in advance of Tropical Storm Barry.
- Most refineries are monitoring the storm, but continue to operate.
- 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.

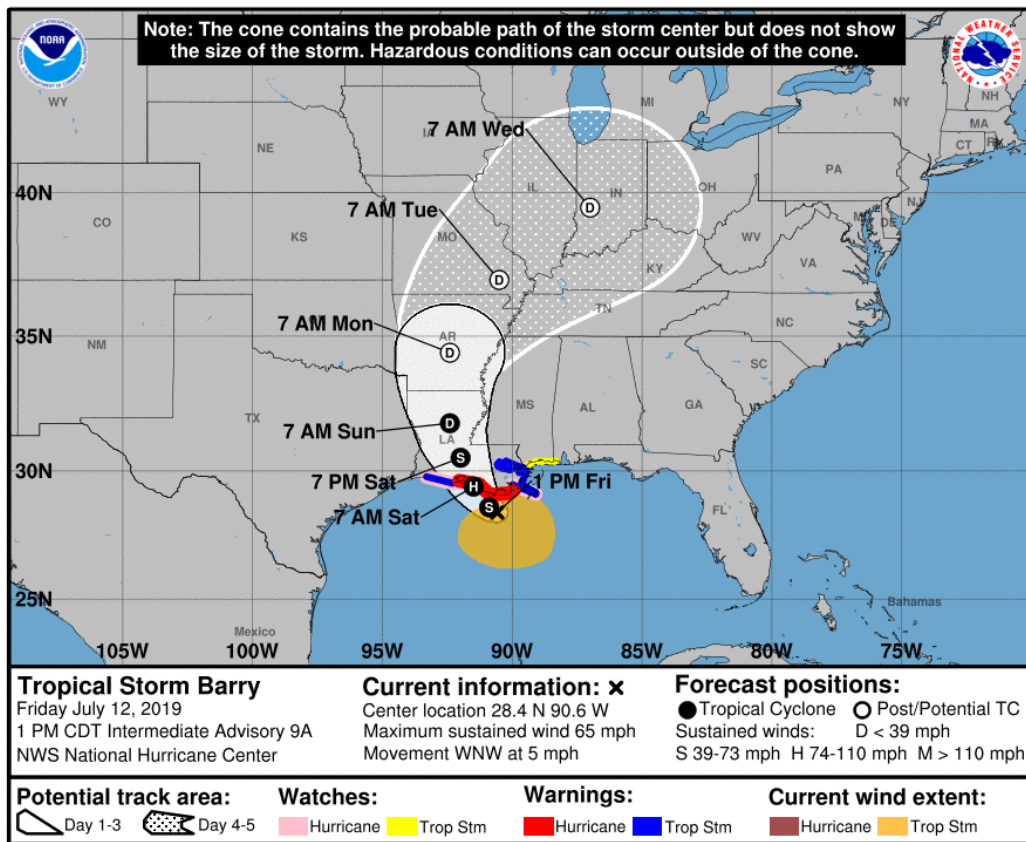
Tropical Storm Barry

As of 2:00 PM EDT, Tropical Storm Barry was 100 miles south-southeast of Morgan City, Louisiana, moving west-northwest at 5 MPH, with maximum sustained winds of 65 MPH. Tropical storm-force winds extend outward up to 175 miles from the center. A motion toward the northwest is expected to begin later today, followed by a turn toward the north Saturday night. On the forecast track, the center of Barry will approach the central or southeastern coast of Louisiana through tonight and then make landfall over the central Louisiana coast on Saturday. After landfall, Barry is expected to move northward through the Mississippi Valley through 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.

If peak storm surge occurs during high-tide, Barry may produce a storm surge of 3 to 6 feet from the Mouth of the Atchafalaya River to Shell Beach; 3 to 5 feet from Shell Beach to Biloxi, Mississippi and from Intracoastal City to the Mouth of the Atchafalaya River, 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 Cameron, as well as Lake Pontchartrain and Lake Maurepas including metropolitan New Orleans.



ELECTRICITY SECTOR

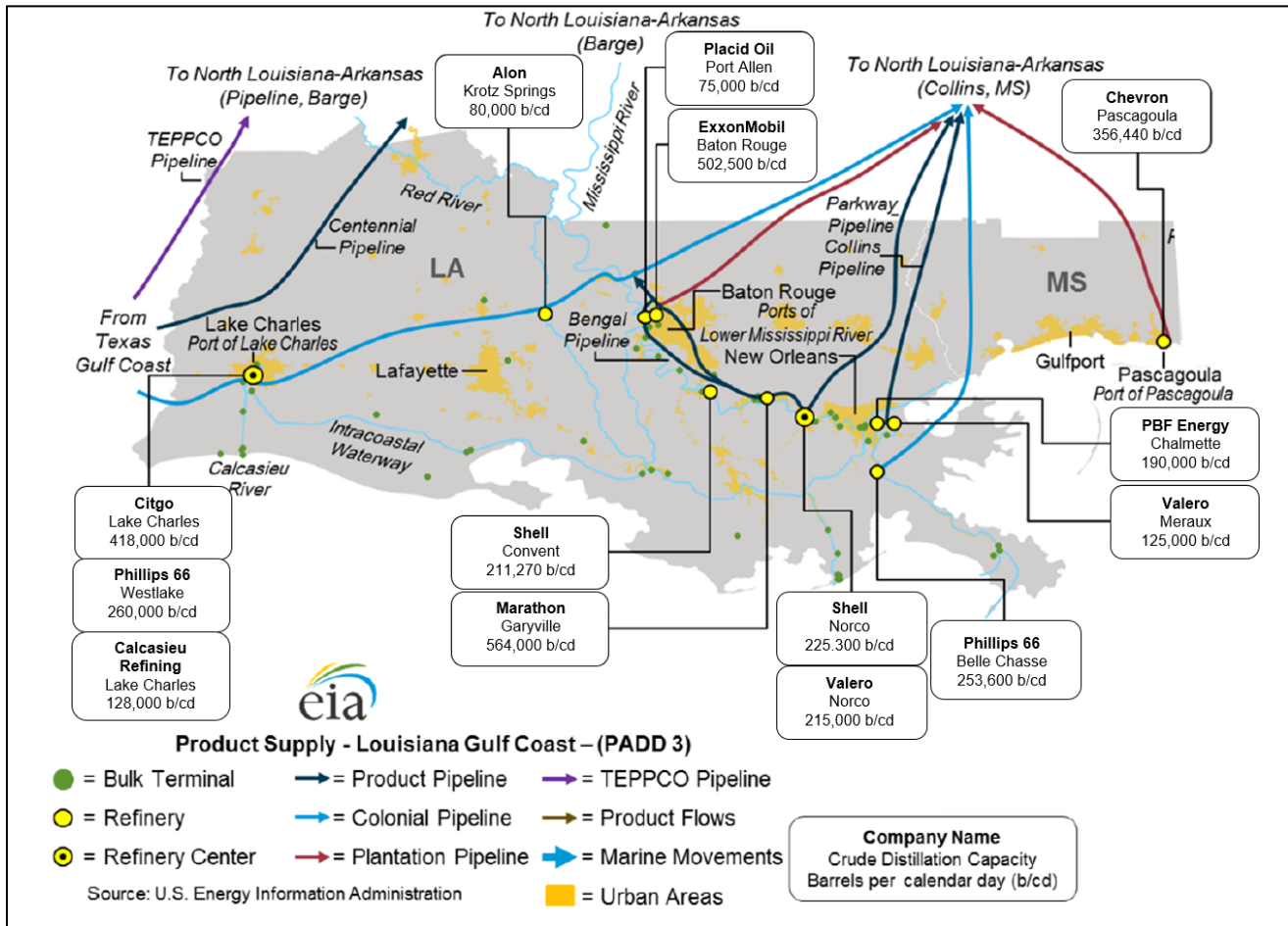
BACKGROUND AND PREPARATIONS

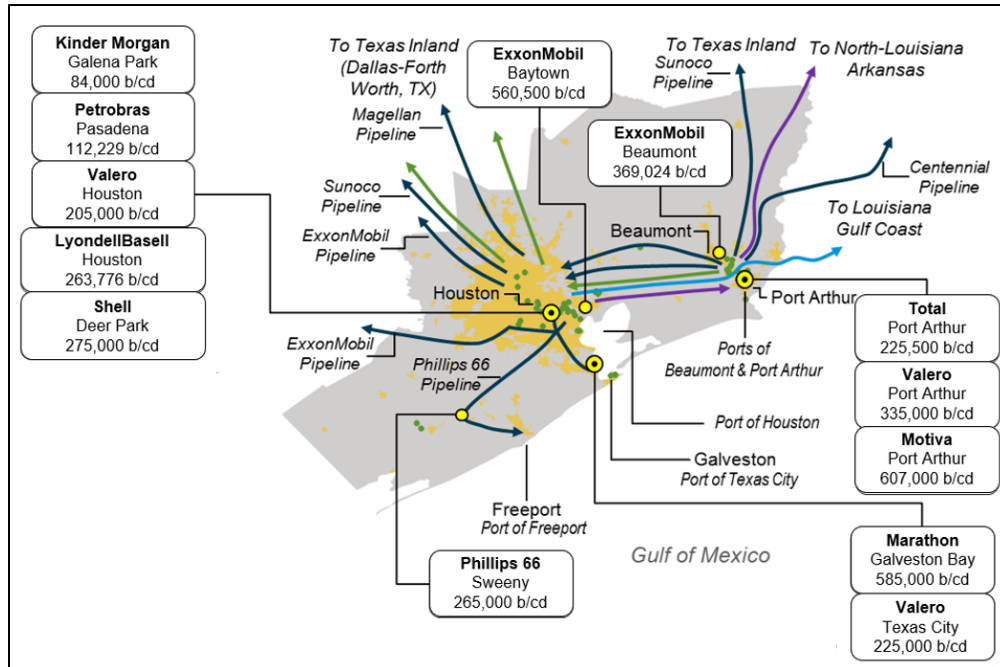
- The affected area is served by several utilities, including investor owned utilities, municipal utilities, and cooperative utilities. The three associations that represent these utilities and manage the mutual assistance networks, the Edison Electric Institute (EEI), American Public Power Association (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

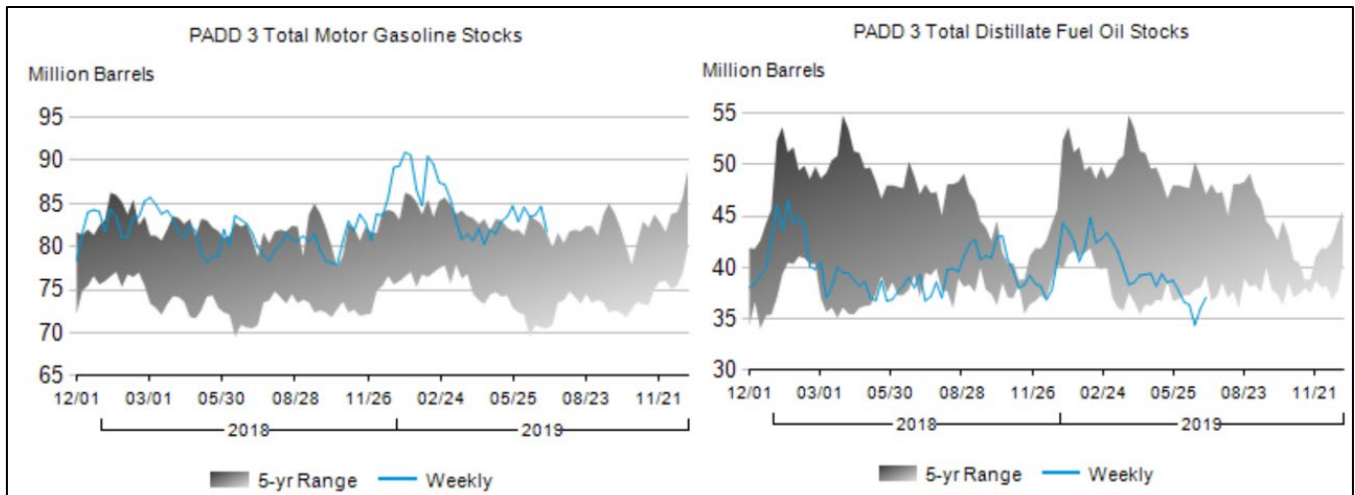
- The U.S. Coast Guard has set the following conditions for Gulf Coast ports as a result of Tropical Storm Barry.

Status of Gulf Coast Petroleum Ports as of 2:00 PM EDT 07/12/2019						
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	Open. Port status Yankee.	7/11	73,374	20,206	20,989	226,100
Baton Rouge, LA	Open. Port status Yankee.	7/11	16,059	1,774	11,673	25,510
Gramercy, LA	Open. Port status Yankee.	7/11	46,182	0	754	0
Houma						
Morgan City	Closed. Port status Zulu.	7/12	110,210	1,560	156	50
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

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 Emergency Declarations and HOS Waivers <i>as of 2:00 PM EST 07/12/2019</i>				
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

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