



U.S. Department of Energy
Office of Electricity Delivery & Energy Reliability

Hurricane Isaac Situation Report # 2

August 28, 2012 (3:00 PM EDT)

http://www.oe.netl.doe.gov/emergency_sit_rpt.aspx

Highlights:

- As of 2:00 pm EDT August 28th, the National Hurricane Center (NHC) reports Tropical Storm Isaac is now classified as a Category One Hurricane. The center of Hurricane Isaac is 55 miles southeast of the mouth of the Mississippi River. The storm is moving towards the northwest near 10 mph and has maximum sustained winds of 75 mph. The NHC forecasts the center of Hurricane Isaac will reach the coastline of southern Louisiana by early this evening.
- States of Emergency have been declared in Alabama, Florida, Louisiana, and Mississippi.
- As of 2:00 pm EDT August 28th, the impacted States report a total of 24,834 customers without power. Restoration estimates and efforts by electric utilities are reported below.

Summary

Electric Outages by State				
Impacted State	Current Customer Outages	Percentage of Customers Without Power	Peak Outages Reported in DOE SitReps	Customers Restored Since Peak
Florida	18,024	< 1%	65,459	47,435
Louisiana	6,810	< 1%	6,810	0
TOTAL:	24,834			
Petroleum & Natural Gas				
	Amount	% Capacity Out*		
Crude Oil Production Shut-In (b/d)	1,287,275	93.28%		
Natural Gas Production Shut-in (mmcf/d)	3,001.52	66.70%		
Refinery Capacity Shut down (b/d)	936,500	NA		

Note: States with fewer than 1,000 outages are not included in the table. Due to a large number of service providers, including investor owned utilities and cooperatives, the number of customer outages reported may not be comprehensive.

Sources: Outages obtained from company web sites and DOE communications. Total State customers are based on 2010 EIA Customer Data.

* % capacity out represents percent of production capacity in the Gulf of Mexico.

ESF 12 Actions:

- ESF 12 is staffing the FEMA National Response Coordination Center (NRCC) in Washington, DC, the FEMA Region IV Response Coordination Center (RRCC) in Atlanta, GA, and the FEMA Region VI RRCC in Denton, TX. **ESF 12 has been activated to the Baton Rouge, LA Incident Management Assistance Team (IMAT) and the Mississippi Emergency Operations Center (EOC). ESF-12 has been demobilized from the Florida EOC.**



Petroleum & Natural Gas Information:

Oil & Gas Offshore Production Shut-In Status for Gulf of Mexico <i>as of 12:30 pm EDT 8/28/12</i>			
Location	Amount Shut In	Pre-Event Production	Percent (%) Shut In
Crude Oil (B/D)	1,287,275	1,380,000	93.28
Natural Gas (MMCF/D)	3,001.52	4,500	66.7

Source: Bureau of Safety and Environmental Enforcement (BSEE)

- As of 12:30 pm EDT August 28, the Bureau of Safety and Environmental Enforcement (BSEE) reports 1,287,275 barrels per day (B/D) of the Gulf of Mexico (GOM) crude oil production is shut-in, equivalent to 93.28 percent of the GOM crude oil production. BSEE reports 3,001.52 million cubic feet per day (MMCF/D) of the GOM natural gas production is shut-in, equivalent to 66.7 percent of the GOM natural gas production. Personnel have been evacuated from a total of 503 production platforms, or 84.4 percent of the 596 manned platforms in the GOM. Personnel have been evacuated from 49 rigs, representing 64.47 percent of the 76 rigs currently operating in the GOM.

Refineries

- As of 1:30 pm EDT August 28, five refineries in the path of Isaac report they are shut down or were in the process of shutting down, representing 936,500 barrels per day (B/D) of refining capacity, or 12 percent of total Gulf Coast refining capacity (7,671,585 B/D). Three additional refineries in the path of the storm with an aggregated capacity of 1,226,000 B/D report they are operating at reduced rates.
- Marathon reported their Garyville, LA refinery will operate at reduced rates instead of being shut down.

Refineries in the Path of Isaac <i>as of 1:30 pm EDT, 8/28/12</i>						
Refinery Impacted	Location	Capacity (B/D)				
		Operating Capacity	Shut Down*	Restarting	Reduced Runs	Normal
Chevron	Pascagoula, MS	330,000				330,000
Shell	Saraland, AL	80,000				80,000
Alon	Krotz Springs, LA	80,000				80,000
Chalmette Refining	Chalmette, LA	192,500	192,500			
ExxonMobil	Baton Rouge, LA	502,500			502,500	
Marathon	Garyville, LA	490,000			490,000	
Motiva	Convent, LA	235,000	235,000			
Motiva	Norco, LA	233,500			233,500	
Phillips 66	Belle Chasse, LA	247,000	247,000			
Placid Refining	Port Allen, LA	57,000	57,000			
Valero	Norco, LA	205,000	205,000			
TOTAL		2,652,500	936,500	0	1,226,000	490,000

*Shutdown or shutting down.

Note: Valero's Meraux refinery has been excluded from the table as it was already shutdown due to reasons unrelated to Isaac.

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Ports and Terminals

- The Louisiana Offshore Oil Port (LOOP) suspended tanker unloading at the terminal at 10:00 am EDT August 27. As of this morning (August 28), LOOP reports that it continues to make deliveries from its onshore facilities and that offshore offloading could resume late Thursday (August 30) or early Friday morning (August 31).
- As of 1:30 pm EDT, August 28, the U.S. Coast Guard reports that ports in Sector Mobile are closed, including the Port of Pascagoula. The Port of Panama City remains open with restrictions. In Sector New Orleans, the Lower Mississippi River from mile marker 71 and below is closed to all traffic. Parts of the southern Lower Mississippi River had been closed to deep draft vessels since August 26. The Port of New Orleans remains open but cargo operations ceased yesterday evening (August 27).

Petroleum Pipelines

- The Capline crude oil pipeline (1.2 million B/D), which transports crude oil from the LOOP to refineries in the Midwest, was shut down on the evening of August 26.

Natural Gas Pipelines

- As of 8/28/2012, Dauphin Island Gathering System, Destin Pipeline Company, Florida Gas Transmission Company, Mississippi Canyon Gas Pipeline, Southern Natural Gas and Venice Gas Gathering System have declared Force Majeure on their pipeline systems due to production shut-ins in the GOM.
- Several companies have reported shut-ins in parts of their system. These include ANR Pipeline Company, Columbia Gulf Transmission Company, Nautilus Pipeline Company, Sea Robin Pipeline Company, Stingray Pipeline Company and Transcontinental Gas Pipe Line Company.

Force Majeure / Critical Notice Posting by Natural Gas Pipelines as of 1:30 pm EDT, 8/28/12

Name	Time Stamp	Notice (Status)
ANR Pipeline Company	8/28/2012	Scheduled maintenance and TS Isaac related capacity curtailment between Eunice and Patterson delivery points.
Columbia Gulf Transmission Company	8/27/2012	Curtailment at Venice, Acadia and Erath plant delivery points.
Dauphin Island Gathering System	8/27/2012	Force Majeure
Destin Pipeline Company	8/25/2012	Force Majeure on offshore receipt points.
Discovery Gas Transmission	8/27/2012	Not accepting nominations for Tuesday 8/28/2012.
Florida Gas Transmission Company	8/28/2012	Force Majeure at Napoleonville Storage Rec.
Mississippi Canyon Gas Pipeline	8/27/2012	Force Majeure
Nautilus Pipeline Company	8/27/2012	Force Majeure at Anaconda meter.
Sea Robin Pipeline Company	8/27/2012	Erath Compressor Station Shut-in; delivery points downstream of station will not be available.
Southern Natural Gas	8/27/2012	Force Majeure at Toca and upstream of Toca due to mandatory evacuations.
Stingray Pipeline Company	8/27/2012	Capacity Constraint along ANR, Bridgeline, NGPL and Tennessee meters – these delivery points are not available.
Transcontinental Gas Pipe Line Company	8/27/2012	Southeast Louisiana Lateral (SELA) shut-in at Station 62 (near Gibson, LA).
Venice Gathering System	8/27/2012	Force Majeure

Sources: Confirmed by company or on company web site.

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Natural Gas Processing Plants

- As of 11:00 am EDT August 28, two natural gas processing plants have shut down in anticipation of Hurricane Isaac. The plants are the Yscloskey (capacity 1.8 Billion cubic feet per day (Bcf/d)) in St. Bernard, LA and the North Terrebonne (capacity 1.1 Bcf/d) in Gibson, LA. There are 27 gas processing plants with capacities exceeding 150 Million cubic feet per day which lie in the Gulf of Mexico coastal area forecast to be in path of Hurricane Isaac. These 27 plants have a combined processing capacity of 13.5 Bcf/d.

Restoration Information

Alabama

- Alabama Power stated yesterday (August 27) it is bringing in 300 outside personnel and putting its own personnel on standby as the company prepares for Isaac.
- The Alabama Rural Electric Association reported yesterday (August 27) they have contacted surrounded States and are bringing in 5 outside crews to Baldwin County, AL.

Florida

- Florida Power & Light Company (FPL) reported on Monday (August 27), it has more than 6,000 field workers deployed to restore power for customers affected by Tropical Storm Isaac. About 4,300 of these workers are concentrated in Miami-Dade, Broward and Palm Beach counties, the hardest hit by Isaac's high winds and torrential rains.
- Progress Energy Florida, reported yesterday (August 27) they have minimal outages on their system due to Isaac. They are releasing crews that came to Florida for Isaac so the crews can help elsewhere as needed. About 250 off-system crews secured through the Southeastern Electric Exchange (SEE) will remain in Franklin and Pinellas counties to handle remaining impacts.
- Gulf Power reported today (August 28) outages remain mainly in Escambia County.

Georgia

- Georgia Power employees are being dispatched to the Gulf Coast to help those customers who may be affected by Hurricane Isaac. About 44 employees including 15 trucks from Georgia Power's coastal region will head to the Florida Panhandle then on to Mississippi.

Louisiana and Mississippi

- Entergy reported today (August 28) it expects outages to last several days and is working to have 4,000 company and contract workers available to help restore power.
- Cleco, a utility serving Louisiana customers, stated yesterday (August 27) it is bringing in outside workers, securing supplies, and putting its own workers on standby in preparation for Isaac.
- The Mississippi Power Association reports they are monitoring Hurricane Isaac and will shift workers to the areas of the greatest need as the storm passes. The Association reported they expect to bring in workers from Florida, Georgia, and Alabama if necessary.

Texas

- Entergy Texas is dispatching about 100 line repair crew members to other service areas that will be affected by Hurricane Isaac after it makes landfall and moves inland.

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