



U.S. Department of Energy
Emergency Support Function 12

Hurricane Gustav/Ike Situation Report # 15

September 11, 2008 (12:00 PM EDT)

http://www.oe.netl.doe.gov/emergency\_sit\_rpt.aspx

Summary

Table with 3 columns: Impacted State, Electric Customer Outages, % of State Out. Rows include Louisiana (81,523 outages, 4% out) and TOTAL (81,523 outages). A second section for Petroleum & Natural Gas includes Crude Oil Production Shut-In (1,246,595 b/d, 95.9% out), Natural Gas Production Shut-in (5,405 mmcf/d, 73.0% out), and Refinery Capacity Shut down (247,000 b/d, NA).

Total state customers are based on 2006 EIA Customer Data. Data obtained from State agencies and company websites. Note: due to a large number of service providers, including investor owned utilities and cooperatives, the number of customer outages reported may not be comprehensive.

Source:

- Crude Oil and Natural Gas Production Data from Minerals Management Service.
Refinery Status confirmed by company or on company web site and through various trade press sources.
\* % capacity out represents percent of production capacity in the Gulf of Mexico.

Highlights:

- In the State of Louisiana, as of approximately 7:00 AM EDT September 11, there are 81,523 customers reported without power. This represents a decrease of 54,374 customers without power from Situation Report #14 when 135,897 customer outages were reported.
On September 10, the Waterford nuclear plant has returned to service and was reconnected to the Entergy electric system. The River Bend nuclear plant is still shut down but according to Entergy once the damaged exterior siding is repaired, River Bend will be given the go-ahead to begin the regulatory checks and inspections needed for a gradual startup.
As of 3:00 PM September 10, the U.S. Coast Guard reports a safety zone is in effect throughout the Houston-Galveston Captain of the Port zone which includes the ports of Houston, Galveston, Freeport and Texas City. Vessel operations in those areas may be directed by Coast Guard representatives in order to keep the port safe and secure. The Coast Guard expects that suspension of all inbound traffic for all Texas ports will occur by early this afternoon in preparation for Hurricane Ike.



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## ESF 12 Actions:

- ESF-12 is staffing the FEMA Region VI Regional Response Coordination Center (RRCC) in Denton, TX, the FEMA Region VI Joint Field Office in Austin, TX, the FEMA Region VI Joint Field Office (JFO) in Baton Rouge, LA, and the National Response Coordination Center (NRCC) in Washington, DC.

## Situation Report Detail

### Petroleum & Gas Information

Oil & Gas Offshore Production Shut In Status for Affected Area			
Location	Amount Shut In	Pre-event Production	% Shut In
Crude Oil (B/D)	1,246,595	1,300,000	95.9%
Natural Gas (MMCF/D)	5,405	7,400	73.0%

Source: Minerals Management Service

- As of 12:30 PM EDT, September 10, the Minerals Management Service (MMS) reports 5,405 million cubic feet per day (MMcf/d) of the Gulf’s natural gas production remains shut-in, equivalent to 73.0 percent of the Gulf production. This is an increase of 610 MMcf/d from what was reported September 9. MMS reports 1,246,595 barrels/day of the Gulf’s crude production remains shut-in, equivalent to 95.9 percent of the Gulf’s crude production. This is an increase of 239,206 barrels/day from what was reported September 9. A total of 452 production platforms, or 63.0 percent of the Gulf’s 717 manned platforms, have been evacuated. Personnel from 81 rigs, representing 66.9 percent of those operating in the region, have been removed.
- According to press reports, as of 12:00 PM EDT September 11, there are eight refineries, with a total combined capacity of 2.452 million barrels/day, which are shutting down in anticipation of Hurricane Ike. There remains one refinery shut down as a result of Hurricane Gustav, the ConocoPhillips refinery in Belle Chasse, LA.
- As of 11:00 AM EDT September 11, the Strategic Petroleum Reserve (SPR) sites at Bryan Mound, TX, Big Hill, TX, and West Hackberry, LA have been shut down. The Bayou Choctaw SPR site is operational.
- The LOOP announced that it has suspended marine operations for incoming vessels as of yesterday afternoon.
- As of 9:00 AM EDT September 11, there are multiple offshore natural gas pipelines that continue to experience gas flow reductions or complete shut-in of their systems due to Gustav. As Hurricane Ike approaches the Gulf of Mexico, many natural gas producers, pipeline and processing plant operators are taking advanced precaution to shut-in and shut down operations.
- As of 11:15 AM EDT September 11, seven processing plants have shut down in advance of Hurricane Ike. These seven processing plants have a total operating capacity of 2.290 billion



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cubic feet per day. Six of the plants are located in Cameron, LA and one is located in Matagorda, TX. There are no processing plant status changes from yesterday's report as a result of Gustav

## Restoration Updates:

- As of 6:00 AM EDT September 11, Entergy has restored power to more than 890,000 customers in Louisiana, Mississippi, and Arkansas who lost power due to Hurricane Gustav. See table below on restoration progress in Louisiana.

### Restoration Progress in Louisiana as of September 10, 2008 7:00 AM EDT\*

Utility Name	Peak Outages	Customers Restored	Current Outages	Percent Restored
Entergy Gulf States, Entergy Louisiana, and Entergy New Orleans (combined)	828,982	755,317	73,665	91%
CLECO Power	246,092	246,092	0	100%
SWEPCO	8,562	8,562	0	100%
All Cooperatives	272,327	264,469	7,858	97%
<b>Totals</b>	<b>1,355,963</b>	<b>1,274,440</b>	<b>81,523</b>	<b>94%</b>

\*Peak totals based on LA State PSC reports with the exception of Entergy. Entergy outages are based on Entergy's website

- Entergy reports as of 6:30 AM EDT September 11, remaining damage to the transmission system includes 27 lines and 15 substations, down from a peak of 241 transmission lines and 352 substations immediately following the storm.
- Entergy has restored power to Jefferson (except for Grand Isle), St. Helena, St. Landry and St. Tammany Parishes.
- Entergy is monitoring the track of Hurricane Ike and the potential impact Ike could have on its system which is not fully recovered from Gustav.

### Electric Power Restoration Estimates for Entergy Customers

Estimated date for 100% restoration	Parishes
September 10	Ascension (except Donaldsonville), St. James, St. John the Baptist. <b>Some scattered outages could remain.</b>
September 11	Livingston and Tangipahoa. <b>Some scattered outages could remain.</b>
September 12	Pointe Coupee, West Feliciana and West Baton Rouge. <b>Some scattered outages could remain.</b>
September 15	Jefferson (lower portion only), Plaquemines, St. Bernard, St. Charles
September 16	East Feliciana
September 24	Ascension (Donaldsonville only), Assumption, East Baton Rouge, Iberville, St. Martin
October 1	Terrebonne, Lafourche