



U.S. Department of Energy
Emergency Support Function 12

Hurricane Gustav Situation Report # 1
September 1, 2008 (11:00 AM EDT)

Summary

Table with 3 columns: Impacted State, Electric Customer Outages, % of State Out. Includes sub-sections for Electricity and Petroleum & Natural Gas.

Total state customers are based on 2006 EIA Customer Data.

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:

- According to the National Hurricane Center, as of 9:00 AM EDT September 1, 2008, Hurricane Gustav weakened to a Category Two hurricane with maximum sustained winds of 110 miles per hour.
In the States of Louisiana and Mississippi, 11:20 AM EDT September 1, 2008, there are 357,958 customers reported without power, with the majority of outages occurring in Louisiana.
At of 11:00 AM EDT August 30, 2008 the Louisiana Offshore Oil Port (LOOP) suspended onshore and offshore operations.
According to the Association for Oil Pipelines, the Capline and LoCap crude lines have been shutdown. Each of these lines has an operating capacity of 1.2 million barrels per day.

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- As of 6:00 AM EDT, August 31, Sabine Pipeline declared a force majeure due to the mandatory evacuation in place for Vermilion Parish which includes all receipt and delivery points on the Sabine system and the Henry Hub operations. The Henry Hub is the largest centralized point for natural gas spot and futures trading in the United States. The New York Mercantile Exchange (NYMEX) uses the Henry Hub as the point of delivery for its natural gas futures contract.
- The Nuclear Regulatory Commission (NRC) has reported that the Waterford nuclear power plant, located about 20 miles west of New Orleans, is shut down to ensure that all safety precautions are taken for the storm. The River Bend, Grand Gulf and South Texas Project nuclear plants did not anticipate experiencing hurricane-force winds or making emergency declarations as a result of Hurricane Gustav.
- As of 11:00 AM EDT August 31, 2008, the Strategic Petroleum Reserve (SPR) facilities at Bayou Choctaw, LA, West Hackberry, LA, and Big Hill, TX have all been shut down. The SPR facility in Bryan Mound, TX is operational.
- On August 29, 2008, the Environmental Protection Agency (EPA) issued a fuel waiver for the sixteen parishes in Louisiana who have a requirement to use 7.8 Reid Vapor Pressure (RVP) gasoline. The waiver extends until 11:59 pm on September 8, 2008.
- On September 1, 2008, EPA issued a fuel waiver for areas in Texas to use conventional gasoline in lieu of reformulated gasoline (RFG) or 7.8 RVP gasoline. The waiver extends until 11:59 pm on September 10, 2008.
- At 5:00 PM EDT August 31, 2008, the Coast Guard closed all waterways in Southeast Louisiana including the Port of New Orleans, the Port of Baton Rouge, and Port Fourchon. As of 7:30 PM EDT August 31, 2008, all inbound boardings at the Houston Ship Channel and the Freeport Ship Channel were suspended by the Houston, Galveston/Texas City, and Freeport Ships Pilots Association.

ESF 12 Actions:

- ESF-12 personnel are staffing the FEMA Region VI Regional Response Coordination Center (RRCC) in Denton, TX, FEMA Region VI Joint Field Office (JFO) in Baton Rouge, LA, the FEMA Region VI Austin Interim Operation Facility in Austin, TX, the FEMA Region IV RRCC in Atlanta, GA, the FEMA Region II RRCC in Philadelphia, PA and the National Response Coordination Center (NRCC) in Washington, DC.

Situation Report Detail**Petroleum & Gas Information**



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Oil & Gas Offshore Production Shut In Status for Affected Area

Table with 4 columns: Location, Amount Shut In, Pre-event Production, % Shut In. Rows include Crude Oil (B/D) and Natural Gas (MMCF/D).

Source: Minerals Management Service

- As of 12:30 PM EDT, August 31, 2008, the Minerals Management Service (MMS) reports 6,086 million cubic feet per day of the Gulf's natural gas production have been shut-in...
As of 10:00 AM EDT September 1, 2008, twelve refiners reported shutdown of 2.1 million barrels per day of capacity...
Nineteen of the 22 major natural gas pipelines in the Gulf of Mexico have declared force majeure...
There are 28 major natural gas processing plants situated in the path of the storm totaling 18.9 billion cubic feet per day.



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Refineries in the Path of Gustav						
Refinery Impacted	Location	Capacity (B/D)				
		Operating	Shut Down	Restarting	Reduced Runs	Back to Normal
Refineries Impacted						
Shell	Saraland, AL	86,000				
Calcasieu	Lake Charles, LA	78,000	78,000			
Chalmette Refining	Chalmette, LA	192,760	192,760			
Citgo	Lake Charles, LA	429,500			429,500	
ConocoPhillips	Belle Chasse, LA	247,000	247,000			
ConocoPhillips	Westlake, LA	239,400	239,400			
ExxonMobil	Baton Rouge, LA	503,000			503,000	
Marathon	Garyville, LA	256,000	256,000			
Motiva	Convent, LA	235,000	235,000			
Motiva	Norco, LA	236,400	236,400			
Murphy Oil	Meraux, LA	120,000	120,000			
Placid Refining	Port Allen, LA	56,000				
Shell	Saint Rose, LA	55,000	55,000			
Valero	Krotz Springs, LA	80,000	80,000			
Valero	Norco, LA	185,003	185,003			
Chevron	Pascagoula, MS	330,000			330,000	
BP	Texas City, TX	467,720			467,720	
Citgo	Corpus Christi, TX	156,000				
ConocoPhillips	Sweeny, TX	247,000				
Deer Park	Deer Park, TX	329,800				
ExxonMobil	Baytown, TX	567,000			567,000	
ExxonMobil	Beaumont, TX	348,500			348,500	
Flint Hills Resources	Corpus Christi, TX	288,126				
Houston Refining	Houston, TX	270,600				
Marathon	Texas City, TX	76,000				
Motiva	Port Arthur, TX	285,000			285,000	
Pasadena Refining	Pasadena, TX	100,000			100,000	
Total Petrochemicals	Port Arthur, TX	232,000	232,000			
Valero (formerly Premcor)	Port Arthur, TX	289,000				
Valero	Corpus Christi, TX	142,000				
Valero	Houston, TX	83,000			83,000	
Valero	Texas City, TX	199,500			199,500	
Valero	Three Rivers, TX	93,000				
TOTAL		7,503,309	2,156,563	0	3,313,220	0

Sources: Confirmed by company or on company web site. Various trade press sources.



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Pipelines in the Path of Gustav						
Type	Name	Start	Terminus	Capacity (barrels/day)	Shut Down	Operating
Crude	Capline	LA	IL	1,200,000	1,200,000	
Crude	LOOP/Locap	LA	LA	1,200,000	1,200,000	
Crude	Marathon gathering	GOM	LA/TX	NA	NA	
Product	Centennial	TX	IL	210,000	210,000	
Product	Central Florida	FL	FL	115,000		115,000
Product	Colonial	TX	NJ	2,400,000		2,400,000
Product	Explorer	LA/TX	IN	700,000		700,000*
Product	Magellan	TX	CO, MN, WI, IL	45,000		45,000
Product	NuStar/Texas Gulf Coast Refined	TX	TX	~100,000		~100,000
Product	Plantation	LA	VA	600,000		600,000

Restoration Activities:

- The Nuclear Regulatory Commission has dispatched additional personnel to nuclear power plants in Louisiana, Mississippi and Texas in anticipation of the expected landfall Monday of Hurricane Gustav. The NRC requires plants to shut down if winds reach hurricane strength.
- As of August 29, 2008, Entergy Gulf States Louisiana, Entergy New Orleans and Entergy Louisiana opened their storm command centers in preparation for Hurricane Gustav. Entergy has crews on standby outside of the predicted landfall area, prepared to restore power after the storm makes landfall. Southwestern Electric Power Company is also preparing for outages in the wake of the Hurricane.
- As of August 31, 2008, Entergy Mississippi is preparing a restoration team that will respond to Hurricane Gustav. Entergy has crews staged near the landfall area whom are prepared to begin restoration efforts after the storm passes. Entergy Mississippi has contacted suppliers to ensure the availability of poles, wire and other equipment. As of 8/28/08 Mississippi Power has not activated its storm center, but continues to monitor Gustav.

Other Related Information

- As of 5:00 PM EDT August 31, 2008, the Coast Guard closed the Gulf Intracoastal Waterway from mile marker 20 west of the Harvey Locks to mile marker 44, east of the Harvey Locks, and the Lower Mississippi River from the Southwest Pass sea buoy to mile marker 303.
- As of 7:00 AM EDT September 1, 2008 the Coast Guard closed the Sabine Ship Channel. As of 8:30 PM EDT August 30, 2008, the Coast Guard reported that the Corpus Christi Ship Channel ship traffic was operating as normal.