

OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Final Gulf Coast Hurricanes Situation Report (#46)
January 26, 2006 (3:00 PM EST)

ELECTRICITY

According to Entergy New Orleans, electricity has been restored to the vast majority of residents and businesses in the city, except in a few isolated areas that sustained severe devastation from Hurricane Katrina.

- Power has not yet been restored to customers in the Lake Catherine area, Lower Ninth Ward and portions of Lakeview where, due to severe destruction to delivery systems.
- Restoration to Lake Catherine area, which began in mid-January, is expected to take approximately 14 weeks to complete.

OIL AND GAS INFORMATION

- Minerals Management Service (MMS) reports on Jan. 25, 2006, that 373,407 barrels of oil per day are shut-in, which equates to 25 percent of the normal daily oil production in the Gulf. Shut-in gas production is 1.656 billion cubic feet per day. This shut-in gas production is equivalent to 17 percent of the normal daily gas production in the Gulf. Evacuations are equivalent to 12 percent of 819 manned platforms and 0 percent of 134 rigs currently operating in the Gulf. For further information see MMS web site at www.mms.gov.
- On January 19, 2006, the MMS released a study on the impact of hurricanes Katrina and Rita. MMS estimates that 3,050 of the Gulf's 4,000 platforms and 22,000 of the 33,000 miles of Gulf pipelines were in the direct path of either Hurricane Katrina or Hurricane Rita. Hurricane Katrina, which was a category 5 hurricane when it entered the OCS, destroyed 46 platforms and damaged 20 others. To date, 100 damaged pipelines on the OCS have been reported to MMS. Hurricane Rita, which was a category 4 hurricane when it entered the OCS, destroyed 69 platforms and damaged 32 others). To date, 83 damaged pipelines on the OCS have been reported to MMS. Included in that total were 28 large diameter pipelines (10" or larger). Ten of these 28 have returned to service. For a long-term projection, approximately 255,000 barrels a day and 400 million cubic feet of gas a day will probably not be restored to production prior the start of the 2006 hurricane season.
- According to the Louisiana Department of Natural Resources on Jan. 26, 2006, 79,109 barrels per day, or 39 percent of the region's onshore crude oil production capacity remains shut-in. In southern Louisiana, 612.5 million cubic feet per day, or 27 percent of daily natural gas production capacity, remains shut-in; 2,145 wells or 36 percent of the 5,949 wells remain shut-in.
- A small number of gas processing plants in Louisiana with capacities equal to or greater than 100 million cubic feet per day are not active. These plants have an aggregate capacity of 3.25 billion cubic feet per day (Bcf/d), and they had a total pre-hurricane flow volume of

2.12 Bcf/d. Based on updated company information, pre-hurricane flow volumes indicate that the average utilization of these non-operating plants was roughly 65 percent.

- As of January 24, 2006, Enbridge reports that all communications work related to its Stingray offshore pipeline is complete on all of the platforms that are operational. As of January 20, 2006, hurricane related damage on its 20-inch line in Vermillion Block 320 was confirmed. This damage is the apparent cause of a pipeline leak that occurred the weekend of January 14 and 15, which resulted in a shutdown of this portion of the Stingray system. Timing of repairs is dependent on securing equipment and personnel. Onshore compression has resumed with three compressors available as of 12:00 a.m. January 23, 2006. All other Stingray operations, including West Cameron Dehydration, are functional.
- All crude and petroleum product pipelines that were affected by the Gulf Coast hurricanes are back to normal operations.
- One refinery remains shut down as a result of Hurricane Rita. BP Texas City, TX, with 437,000 b/d refining capacity, estimates restart by the end of March 2006.
- One refinery with a total refining capacity of 120,000 b/d remains shut down in Louisiana as a result of Hurricane Katrina:
 - ConocoPhillips, Belle Chasse, has restarted some units and partial operation will begin by the end January 2006; normal operation is expected by the end of March 2006
 - Murphy Oil, Meraux, estimates end of March 2006 start up.
- All other refineries that suffered damage from the hurricanes and had their operations reduced or shut down are now almost fully operational. Lyondell Citgo was experiencing reduced runs in mid-December and has since become fully operational. ConocoPhillips' West Lake refinery still reports reduced runs.
- The Port of New Orleans continues to make recovery progress. According to Port figures, Napoleon Avenue Container Terminal daily gate moves topped 800 last week, nearing the pre-storm average of 920 per day or 87 percent of pre-Katrina levels. Container cargo levels at the Port of New Orleans recently topped 80 percent of pre-storm levels.

Refinery Status (1/25/06)

Company	Location	Capacity (B/D)	Status (Change since Dec. 2005)
Hurricane Rita			
ConocoPhillips	West Lake, LA	239,400	Reduced runs
Lyondell Citgo	Houston, TX	270,200	Normal operation since late Dec 2005
BP	Texas City, TX	437,000	Shut down; estimate restart end of March 2006
Total		707,200	Shut down – 437,000

Company	Location	Capacity (B/D)	Status (Change since Dec. 2005)
Hurricane Katrina			
ConocoPhillips	Belle Chasse, LA	247,000	Restart; partial operation by end of January with expected normal operation by end of March 2006
Murphy Oil	Meraux, LA	120,000	Shut down; estimate end of March 2006 start up
Total		367,000	Shut down – 120,000
Refineries Still Affected by Hurricanes			
		1,047,200	Shut down – 557,000

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