

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)**  
**U.S. DEPARTMENT OF ENERGY**  
**Hurricane Katrina Situation Report #40**  
**September 21, 2005 (3:00 PM EDT)**

**HIGHLIGHTS**

- Currently, 252,012 customers remain without electric power in Louisiana and Mississippi due to Hurricane Katrina. This is down by more than 2.4 million from a peak of 2.7 million customers that were without power after Hurricane Katrina struck the region.
- Yesterday, the Department of Energy approved a seventh loan request for crude oil from the Strategic Petroleum Reserve (SPR), bringing the total loaned volume to 13.2 million barrels. The seventh request went to Total Petrochemicals USA, Inc., for 600,000 barrels of sour crude. See the following web link for a list of company exchanges:  
[http://fossil.energy.gov/news/techlines/2005/tl\\_sprexchange\\_totalpetro.html](http://fossil.energy.gov/news/techlines/2005/tl_sprexchange_totalpetro.html)
- Entergy has compiled an initial estimate of restoration costs for damages by Hurricane Katrina and business continuity to be in the range of \$750 million to \$1.1 billion.
- DOE staff have been at the National Response Coordination Center (NRCC) at FEMA HQ, the Interagency Incident Management Team at HQ, FEMA Region IV, and the State Emergency Operation Centers (EOC) in Louisiana for several weeks. At FEMA's request, two staffers are en route to Austin, TX, in preparation for Hurricane Rita.

**PETROLEUM AND GAS INFORMATION**

- MMS reports today that as a result of damage from Hurricane Katrina and precautionary actions in advance of Hurricane Rita, shut-in oil production in the Gulf is currently at 1,097,357 barrels of oil per day. The shut-in oil production is equivalent to 73.16 percent of the normal daily oil production in the Gulf, which is currently approximately 1.5 million barrels of oil per day. Shut-in gas production is at 4.713 billion cubic feet per day. This shut-in gas production is equivalent to 47.13 percent of the normal daily gas production in the GOM, which is currently approximately 10 billion cubic feet per day.

- **Gulf of Mexico (GOM) Shut-in Oil and Gas 8/30/05 – 9/21/05**

Date	Percent of GOM Oil Shut-in	Percent of GOM Gas Shut-in
August 30	95.20	87.99
August 31	91.45	83.46
September 1	90.43	78.66
September 2	88.53	72.48
September 3	78.98	57.80
September 4	No data reported	No data reported
September 5	69.57	54.13
September 6	58.02	41.06
September 7	57.37	40.36
September 8	60.12	40.20
September 9	59.88	38.29
September 10	59.84	38.21
September 11	No data reported	No data reported
September 12	57.38	37.84
September 13	56.45	37.20
September 14	56.25	35.18
September 15	56.14	34.11
September 16	56.06	33.84
September 19	55.84	33.75
September 20	58.49	34.82
September 21	73.16	47.13

- Entergy reports that of its 145,000 gas customers, 94,000 (65%) have been secured and 51,000 (35%) have been restored. They are working to secure additional areas as water recedes.
- According to Chevron, it has repaired a hurricane-damaged product berth at its Pascagoula, MS, refinery and is now transporting refined product from Pascagoula to its Collins, MS, terminal and to the Plantation Pipeline for delivery to terminals and markets in the southeastern United States. Assessments of the refinery itself continue.
- The table below shows the current status for the four refineries shut down as a result of damage from Hurricane Katrina.

#### SHUTDOWN REFINERIES

Refinery	Location	State	Capacity (bbl/day)	Current Status
ConocoPhillips	Belle Chasse	LA	247,000	No power - major damage
ExxonMobil	Chalmette	LA	187,200	No power - water damage
Murphy	Meraux	LA	120,000	No power – water is starting to recede, currently making assessment of damage, leaking crude oil tank repaired
ChevronTexaco	Pascagoula	MS	325,000	Electricity restored - assessment continues. Refinery has started to receive fuel barges

## **ELECTRICITY INFORMATION**

### **STATE OUTAGE DATA**

<b>Utility</b>	<b>Customers w/o Power</b>	<b>% Customers w/o Power from Katrina</b>
<b>Louisiana*</b>	<b>232,569</b>	<b>21%</b>
<b>Mississippi</b>	<b>19,443</b>	<b>1%</b>

\*Louisiana data is reported by the Louisiana Public Service Commission and their percentage outage numbers are used in calculating the percentage of total outage.

## **STATE REPORTS**

### **Mississippi and Louisiana**

- In Louisiana 232,569 customers remain without power, as reported by the Louisiana Public Service Commission (LAPSC) (8:00 AM, 9/21/05 latest report).

#### **Louisiana Outage Data by Utilities with Significant Outages (8:00 AM 9/21/05)**

<b>UTILITY</b>	<b>OUTAGES</b>	<b>% customers w/o power</b>
<b>Entergy Louisiana</b>	<b>45,334</b>	<b>10%</b>
<b>Entergy New Orleans</b>	<b>168,389</b>	<b>82%</b>
<b>Wash-St. Tammany</b>	<b>12,149</b>	<b>27%</b>
<b>CLECO</b>	<b>6,335</b>	<b>8%</b>
<b>Total for state shown includes companies with low percentage outages not shown in the Table</b>	<b>232,569</b>	<b>21%</b>

\*Louisiana data and percentages are reported by the Louisiana Public Service Commission.

- As of reporting 9/20 Mississippi had 19,443 customers without power, which represents 1 percent of customers in the state; all 19,443 were Mississippi Power customers. The Electric Power Associations of Mississippi (EPAOFMS) have reported that all restorable power has been restored for its customers.
- Entergy Transmission reports 29 lines and 23 substations out of service as of 5:00 PM 9/20/05. This is down from 181 lines and 263 substations out of service following Katrina's hit.