

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Hurricane Katrina Situation Report #41
September 22, 2005 (3:00 PM EDT)**

HIGHLIGHTS

- Currently, 249,447 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.
- Entergy now estimates that some 150,000 to 170,000 customers in the most devastated areas of greater New Orleans and surrounding parishes are unable to accept electric and gas service and, therefore, cannot be restored at the current time.
- 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. A third will follow but housing is tight in the Austin area due to the influx of both evacuees and emergency personnel. NORTHCOM has also requested a DOE representative.

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 1,379,000 barrels of oil per day. The shut-in oil production is equivalent to 91.93 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 6.594 billion cubic feet per day. This shut-in gas production is equivalent to 65.95 percent of the normal daily gas production in the Gulf, which is currently approximately 10 billion cubic feet per day. These evacuations are equivalent to 73.87% of 819 manned platforms and 64.93% of 134 rigs currently operating in the Gulf.

- **Gulf of Mexico (GOM) Shut-in Oil and Gas 8/30/05 – 9/22/05**

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
September 22	91.93	65.95

- **On 9/21 Entergy reported progress of gas restoration:**

Total Entergy Gas Ops Customers	144,948
Total Gas Customers Assessed	124,328 (86%)
Total Gas Customers Secured	104,790 (72%)
Total Gas Customers Restored	53,646 (37%)

- Four refineries (three in LA and one in MS) remain shut down as a result of damage from Hurricane Katrina.

ELECTRICITY INFORMATION

STATE OUTAGE DATA

Utility	Customers w/o Power	% Customers w/o Power from Katrina
Louisiana*	230,004	21%
Mississippi	19,443	1%

*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 230,004 customers remain without power, as reported by the Louisiana Public Service Commission (LAPSC) (6:00 AM, 9/22/05 latest report).

Louisiana Outage Data by Utilities with Significant Outages (6:00 AM 9/22/05)

UTILITY	OUTAGES	% customers w/o power
Entergy Louisiana	44,447	10%
Entergy New Orleans	169,157	82%
Wash-St. Tammany	10,436	23%
CLECO	5,602	7%
Total for state shown includes companies with low percentage outages not shown in the Table	230,004	21%

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

- As of this morning, Mississippi had 19,443 customers without power, which represents 1 percent of customers in the state; all are Mississippi Power customers. The Electric Power Associations of Mississippi (EPAOFMS) have reported that all restorable power has been restored for its customers.
- Entergy has released the following table detailing cost estimates for damages by Hurricane Katrina:

Company	Estimated Costs (U.S. \$ in millions)
Entergy Gulf States – LA	25-45
Entergy Louisiana	275-400
Entergy Mississippi	75-100
Entergy New Orleans	325-475
Other	50-80
Total	750-1,100

- Entergy Transmission reports 27 lines and 20 substations out of service as of 4:30 PM 9/21/05. This is down from 181 lines and 263 substations out of service following Katrina's hit.

- Entergy estimates that electricity can be restored in areas of New Orleans by September 27, overhead facilities are expected to be restored by October 7, other areas are still being assessed by Entergy and do not have an estimated restoration date. Rita's threat to the Gulf Coast may cause other utilities and contract companies to withdraw their workers, which could delay Hurricane Katrina restoration progress. Entergy has posted a complete list of restoration dates by area in New Orleans at <http://www.entergy.com/corp/EmergencyCtr/restoration.asp>.