

OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Hurricane Katrina Situation Report #39
September 20, 2005 (3:00 PM EDT)

HIGHLIGHTS

- Currently, 260,547 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.
- As of 2 PM, 9/20 Hurricane Rita is a category 2 hurricane with maximum sustained winds of 100mph with some strengthening forecast during the next 24 hours. The center of Hurricane Rita was located about 50 miles south of Key West, FL. Rita is moving towards the west at 15mph. The core of the hurricane will continue to move over the Florida Straights today and a 4-6 foot storm surge and strong winds are expected to impact portions of the Florida Keys directly. Rita is expected to move into the Gulf of Mexico during the coming week. <http://www.nhc.noaa.gov/>.
- 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
- Entergy reports that Hurricane Rita could potentially impact the speed of Katrina restoration activities in Louisiana if resources have to be redirected elsewhere.
- 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. Yesterday in response to further activation orders from FEMA for Hurricane Rita, OE deployed two staff to FEMA Region IV in Atlanta, one to the State EOC in Tallahassee, FL, and one to Austin, TX.

PETROLEUM AND GAS INFORMATION

- MMS reports today's shut-in oil production is 877,275 barrels of oil per day. The shut-in oil production is equivalent to 58.49 percent of the normal daily oil production in the GOM, which is currently approximately 1.5 million barrels of oil per day. Shut-in gas production is 3.482 billion cubic feet per day. This shut-in gas production is equivalent to 34.82 percent of the normal daily gas production in the GOM, which is currently approximately 10 billion cubic feet per day. The increase in shut-in production is due to preparations for Hurricane Rita.

▪ **Improvement in GOM Shut-in Oil and Gas 8/30/05 – 9/16/05**

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

- The Captain of the Port of New Orleans re-opened the Inner Harbor Navigation Canal (IHNC) on the Gulf Intra Coastal Waterway (GICW) north of the Turning Basin. The IHNC remains closed south of the Turning Basin due to salvage operations at the Florida Avenue Bridge. Vessels can continue to access the GICW east of the IHNC via the Baptiste Collette alternate route. The opening of this waterway will now allow access from Lake Pontchartrain to the Gulf of Mexico through the IHNC, GICW and/or the Mississippi River Gulf Outlet (MRGO).
- The Gulf Intracoastal Waterway (GICW) is now open from mile 55, West of Harvey Lock (Houma) westward through the Harvey Lock, which is operational. The Algiers Lock, while operational, may be closed to navigation until further notice due to lock operator safety concerns. Currently, the GICW remains closed from the Inner Harbor Navigational Canal eastward to mile 60, East of Harvey Lock.
- Entergy Gas Operations continued meter shut off and lock of gas services blocked by water trouble in the Downtown, Uptown, Carrollton, and French Quarter areas. On 9/19, a total of 2,925 meters were shut and locked (135 were not accessible). Overall, a total of 7,000 meters have been shut off and locked. In the French Quarter, approximately 920 meters have been secured. No leaks were found on the High Pressure system in the French Quarter, CBD, and Uptown. Inspections continue.
- 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 shutdown 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

Utility	Customers w/o Power	% Customers w/o Power from Katrina
Louisiana*	239,904	22%
Mississippi	20,643	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 239,904 customers remain without power, as reported by the Louisiana Public Service Commission (LAPSC) (9:00 AM, 9/20/05 latest report).

Louisiana Outage Data by Utilities with Significant Outages (9:00 AM 9/20/05)

UTILITY	OUTAGES	% customers w/o power
Entergy Louisiana	47,259	10%
Entergy New Orleans	169,308	82%
Wash-St. Tammany	13,674	30%
CLECO	9,301	12%
Total for state shown includes companies with low percentage outages not shown in the Table	239,904	22%

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

- As of reporting 9/19/05 Mississippi had 20,643 customers without power, which represents 1 percent of customers in the state, including 19,443 Mississippi Power customers and 1,200 customers of the Electric Power Associations of Mississippi (EPAOFMS).

- Entergy Transmission reports 29 lines and 23 substations out of service as of 5:00 PM 9/19/05. This is down from 181 lines and 263 substations out of service following Katrina's hit.