

OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Hurricane Katrina Situation Report #5
August 28, 2005 (10:30 AM EDT)

HIGHLIGHTS

- Katrina has strengthened to an extremely dangerous Category 5 storm. Only three Category 5 hurricanes have ever hit the United States since record keeping began. The last Category 5 hurricane was Andrew in 1992.
- Approximately 550,930 customers are reported without power in Florida as of 7:00 AM 8/28/05. Ninety-nine percent of outages are Florida Power & Light (FPL) customers. FPL estimates 90 percent restoration by Tuesday night (8/30).
- Refineries in southeastern Louisiana began shutting down Saturday, as Hurricane Katrina threatened a direct hit. As of late 8/27/05 Exxon Mobil Corp. began shutting down its 183,000-barrel-a-day refinery in Chalmette, and Murphy Oil Corp. was shutting down its 120,000-barrel-a-day facility in Meraux. Both are roughly nine miles east of New Orleans, putting them right in the hurricane's forecast path. Chevron has made preparations for its 325,000 barrel a day refinery in Pascagoula, MS. Other refineries in the surrounding area have made preparations as well.
- The Strategic Petroleum Reserve has shutdown all operations in New Orleans and personnel have evacuated. Operations have been relocated to Big Hill site near Beaumont TX. Operations at Bayou Choctaw near Baton Rouge are at minimum essential staff.
- The Storm's current track poses a significant threat to the Gulf of Mexico oil and gas production facilities. DOE's preliminary analyses indicate that approximately 2000 out of 6500 oil and gas platforms may be impacted by the storm. Platforms are shut in and company personnel have been evacuated. The Louisiana Offshore Oil Port (LOOP), which delivers approximately one million barrels of crude oil per day, has issued a Phase III evacuation and will close today.
- President Bush has declared a state of emergency in Louisiana. The Mayor of New Orleans has issued a mandatory evacuation to residents of the city.
- Media reports suggest that gas stations in the New Orleans area were running low on gas by mid-afternoon Saturday.
- New Orleans' worst hurricane disaster happened 40 years ago, when Hurricane Betsy blasted the Gulf Coast. Flood waters approached 20 feet in some areas, fishing villages were flattened, and the storm surge left almost half of New Orleans under water and 60,000 residents homeless. Seventy-four people died in Louisiana, Mississippi and Florida.

- ESF-12 has been activated by the Federal Emergency Management Agency to “support the National Response Coordination Center (NRCC) at FEMA HQ and the Emergency Response Team - National (ERT-N). FEMA Regions IV and VI are fully activated including the State Emergency Operation Centers (EOC) of AL, FL and LA. OE has deployed staff to the following areas: one to the Alabama EOC, one to Mississippi EOC, one to arrive in Louisiana later today. Two staff are en route to the Regional Response Coordination Center (RRCC) in Atlanta, GA and one is at the RRCC in Denton, TX.
- As of 8:00 AM CDT 8/28/05 Katrina is a Category Five hurricane with maximum sustained winds near 160 mph and higher gusts. The center of Katrina is located 250 miles south-southeast of the mouth of the Mississippi River. Hurricane force winds extend outward up to 85 miles from the center. Katrina is moving toward the west-northwest near 12 mph and a gradual turn toward the northwest and north-northwest is expected during the next 24 hours. Some fluctuations in the hurricane strength are possible over the next 24 hours.
- Current forecasts show the center of the Hurricane striking the Louisiana Gulf Coast early Monday. The latest advisory is available at: <http://www.nhc.noaa.gov/>

ELECTRICITY INFORMATION

STATE OUTAGE DATA (8/28/05 7:00 AM)

Utility	Customers w/o Power	Total Customers	% Customers w/o Power from Katrina
Florida	550,930	9,081,958	6%
Total	550,930	9,081,958	6%

STATE REPORT

Florida

- Approximately 550,930 customers, 6 percent of customers in the state, are without power. The largest number of outages is in the Florida Power & Light (FPL) service area. Municipals and Cooperatives are reporting 3,830 customer outages combined.
- FPL has assembled a workforce of 15,000 people to restore power, including 9,000 FPL field and support workers and 6,000 out-of-state line workers and tree clearing personnel. However, if Katrina turns back into the state, it may delay some crew arrivals and slow down the restoration process.
- All customers in Palm Beach County who lost power during Katrina should have electricity restored. Preliminary restoration estimates from FPL for remaining hard hit counties (as of 6:00 AM 8/28/05) are:
 - **Miami-Dade County** – 90% of customers restored by late Tuesday night (8/30).
 - **Broward County** – 90% of customers restored by late Tuesday night 8/30.

COUNTY OUTAGE DATA

**Florida County Outage Data:
(As of 8/28/05 7:00 AM EDT)**

County	Customers w/o Power	Total Customers	% Customers w/o Power
Broward	191,600	880,231	22%
Dade	356,500	984,905	36%
Monroe	2,830	60,080	5%