

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Hurricane Katrina Situation Report #7
August 29, 2005 (10:00 AM EDT)**

HIGHLIGHTS

- Oil prices spiked in response to Hurricane Katrina reaching almost \$71 a barrel in early trading. Actual damage estimates from the hurricane and possible restoration times will not be available for some time.
- Louisiana reports some 381,000 customers without power as of 9:00AM with numbers increasing as the hurricane moves through the state.
- The Waterford 3 Nuclear Power Plant, operated by Entergy, and located near Taft, LA, in St. Charles Parrish, declared an “Unusual Event” due to the hurricane warning. Waterford 3 commenced a plant shutdown on August 28, 2005, at 1100 CST.
- The Nuclear Regulatory Commission reports that all plants have taken precautions and have contingency plans in place based on operating procedures. Riverband in Louisiana (LA) and Grand Gulf (MS) are reporting normal operations.
- Katrina has made landfall as a Category 4 Hurricane with maximum sustained winds near 135 mph. Hurricane Katrina is very large with hurricane force winds extending 125 miles from the center. The storm is expected to track north-northeast. The storm should pass just to the east of New Orleans and move into southern Mississippi later today. Storm surge flooding of 10-15 feet, near the top of the levees, is expected in the greater New Orleans area. Coast storm surge flooding will be 18 – 22 feet above normal tide levels. Latest NOAA information on the storm track is available at: <http://www.nhc.noaa.gov/>
- U.S. energy companies said U.S. Gulf of Mexico crude oil output was cut by more than 600 thousand barrels per day (around 40%) on Saturday because of the threatening storm (Reuters).
- The Strategic Petroleum Reserve has shut down all operations in New Orleans and personnel have evacuated. Operations at Bayou Choctaw have been shut down and personnel evacuated. West Hackberry, Bill Hill, and Bryan Mound remain operational. A storm watch team is currently at the Stennis site.
- The following table displays refineries (>50,000 b/d capacity) located in States impacted by Hurricane Katrina. Approximately, 2 million barrels a day of capacity has been shut in accounting for roughly 25 percent of the Gulf Coast refining capacity and over 10 percent of US refining capacity.
- **Refineries Located in States Impacted by Hurricane Katrina (> 50, 000 b/d capacity)**

| COMPANY_NAME | STATE | SITE | Bbl/day (calendar) | Status |
|---------------|---------|----------|-----------------------|--------|
| Shell Chem LP | Alabama | SARALAND | | |

| | | | | |
|---------------------------------|-------------|---------------|---------|--------------|
| | | | 80,000 | |
| CITGO PETROLEUM CORP | Louisiana | LAKE CHARLES | 324,300 | |
| CONOCOPHILLIPS | Louisiana | BELLE CHASSE | 247,000 | Shutdown |
| CONOCOPHILLIPS | Louisiana | WESTLAKE | 239,400 | |
| Chalmette Refining LLC | Louisiana | CHALMETTE | 187,200 | Shutdown |
| EXXONMOBIL REFINING & SUPPLY CO | Louisiana | BATON ROUGE | 493,500 | Reduced Runs |
| MARATHON ASHLAND PETROLEUM LLC | Louisiana | GARYVILLE | 245,000 | Shutdown |
| MURPHY OIL USA INC | Louisiana | MERAUX | 120,000 | Shutdown |
| Motiva Enterprises LLC | Louisiana | CONVENT | 235,000 | Shutdown |
| Motiva Enterprises LLC | Louisiana | NORCO | 226,500 | Shutdown |
| Shell Chem LP | Louisiana | SAINT ROSE | 55,000 | |
| VALERO REFINING CO LOUISIANA | Louisiana | KROTZ SPRINGS | 80,000 | |
| VALERO SAINT CHARLES REFINERY | Louisiana | NORCO | 185,003 | Shutdown |
| CHEVRON USA INC | Mississippi | PASCAGOULA | 325,000 | Shutdown |

- Trade press reports also note that Shell Oil, the Capline and Plantation pipelines have shut down for hurricane preparations.
- 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, three at the Regional Response Coordination Center (RRCC) in Region IV Atlanta, GA. One is also at the RRCC in Denton, TX. OE staff will deploy to LA on Tuesday. Region IV RRCC ESF#12 is currently assigned actions for monitoring fuel supplies in affected states, reporting status of power outages/restoration and providing status of nuclear power plants.

ELECTRICITY INFORMATION

STATE OUTAGE DATA (8/29/05 7:00 AM)

| Utility | Customers w/o Power | Total Customers | % Customers w/o Power from Katrina |
|--------------|---------------------|------------------|------------------------------------|
| Florida | 326,916 | 9,081,958 | 4% |
| Total | 326,916 | 9,081,958 | 4% |

Does not include municipals and cooperatives which have <4000 outages.

STATE REPORT

Florida

- Approximately 326,916 customers remain without power in Florida due to Katrina. Of these, 314,000 are in the Florida Power & Light service area. Municipals and Coops in hit by Katrina in southern Florida are largely restored; however, Gulf Power is now beginning to report outages due to the storm impacting its service area.
- FPL continues to anticipate 90% restoration by late Tuesday night (8/30) in the hard hit counties of Miama-Dade and Broward.

Florida County Outage Data: (As of 8/29/05 7:00 AM EDT)

| County | Customers w/o Power | Total Customers | % Customers w/o Power |
|----------|---------------------|-----------------|-----------------------|
| Broward | 101,100 | 880,231 | 18% |
| Dade | 212,900 | 984,905 | 34% |
| Escambia | 11,446 | 141,988 | 8% |

Louisiana

- Louisiana Public Service Commission reports some 381,094 customers without power including the following:

Entergy Louisiana 191,204, Entergy New Orleans 126,000, South LA Electric Cooperative Association (SLECA) 12,454, and Washington Tammary Electric Cooperative 20,000.