

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Hurricane Katrina Situation Report #8
August 29, 2005 (4:00 PM EDT)**

HIGHLIGHTS

- In response to Hurricane Katrina, crude oil prices spiked to a high of almost \$71 but have since pulled back to \$67. Actual damage estimates from the hurricane and possible restoration times will not be available for some time.
- Nearly 1.5 million customers have reported outages due to Hurricane Katrina in Louisiana, Alabama, and Florida. Louisiana reports approximately 905,000 customers without power (as of 1:00 PM 08/28/05). Alabama has over 193,000 customers without power.
- According to MMS, shut-in oil production is at 1,375,413 barrels per day. This production is equivalent to 92% of the daily oil production in the Gulf of Mexico, which is usually approximately 1.5 million barrels per day.
- Shut in gas production is 8.3 billion cubic feet per day. This shut-in gas production is equivalent to 83% of the daily gas production in the Gulf, which is usually approximately 10 billion cubic feet per day.
- The Nuclear Regulatory Commission reports that all plants have taken precautions and have contingency plans in place based on operating procedures.
- Katrina is now a Category 1 Hurricane with maximum sustained winds near 95 mph. The storm is expected to track north near 18 mph. The storm is located 20 miles west-southwest of Hattiesburg, Mississippi. At this current track, the storm will continue to move over Southern Mississippi and into Central Mississippi this evening. The latest NOAA information on the storm track is available at: <http://www.nhc.noaa.gov/> The next tropical depression in the Caribbean shows signs of weakening and may degenerate.
- The Strategic Petroleum Reserve has shut down all operations in New Orleans and Bayou Choctaw and personnel have evacuated. West Hackberry, Big Hill, and Bryan Mound remain operational. A storm watch team is at the Stennis site.
- The following table displays refineries located in states impacted by Hurricane Katrina:

Refineries Located in States Impacted by Hurricane Katrina

COMPANY_NAME	STATE	SITE	Bbl/day (calendar)	Status
Citgo Petroleum Corp.	Louisiana	LAKE CHARLES	324,300	May reduce runs tomorrow
ConocoPhillips	Louisiana	BELLE CHASSE	247,000	Shutdown

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
Placid Oil	Louisiana	PORT ALLEN	48,500	Shutdown
Valero Refining Co. - Louisiana	Louisiana	KROTZ SPRINGS	80,000	Reduced runs
Valero Saint Charles Refinery	Louisiana	NORCO	185,003	Shutdown
Chevron USA Inc.	Mississippi	PASCAGOULA	325,000	Shutdown
PREMCOR	Tennessee	MEMPHIS	180,000	Reduced runs

- Colonial pipeline has reported two of its major lines shut down due to power outages. Capline (a main crude line) and Dixie pipeline (a propane line) are also shut down.
- ESF-12 has been activated by the Federal Emergency Management Agency to support multiple locations and OE staff are now at the National Response Coordination Center (NRCC) at FEMA HQ and the Emergency Response Team - National (ERT-N), FEMA Regions IV and VI including the State Emergency Operation Centers (EOC) of AL, FL and LA. OE staff will deploy to LA on Tuesday. Region RRCC 4-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 1:30 PM)

Utility	Customers w/o Power	Total Customers	% Customers w/o Power from Katrina
Alabama (1)	193,920	2,339,004	8%
Florida	382,849	9,075,577	4%
Louisiana (1)	905,075	2,130,925	42%
Mississippi	Not Available		
Total	1,481,844	13,545,506	11%

(1) Source: EIA 2003

STATE REPORT

Alabama

- Approximately 194,000 customers are without power in Alabama due to Katrina. Of these, 172,456 are in the Alabama Power service area. In addition, 21,464 REA COOP customers have reported outages. Municipals have not yet reported.

Louisiana

- Louisiana Public Service Commission reports some 905,075 customers without power (as of 1:00 PM on 8/29) including the following:

Electric Utility	Customers w/o Power	Number of Consumers (1)	% customers w/o power
Entergy Louisiana Inc	409,399	653,929	63%
Entergy Gulf States Inc	118,000	342,443	34%
Cleco Power LLC	70,014	257,299	27%
Entergy New Orleans Inc	215,163	NA	NA
Dixie Electric Membership Corp	57,425	81,769	70%
Washington-St Tammany E C, Inc	20,000	41,304	48%
South Louisiana Elec Coop Assn	13,874	18,730	74%
Morgan City City of	1,200	6,316	19%
Total	905,075	1,591,914	57%

(1) Source: EIA Electric Sales and Revenues 2003

- The hardest hit parishes are Orleans (215,163), Jefferson (131,709), East Baton Rouge (111,400), and Plaquemines (107,920) including the following:

**Louisiana Parish Outage Data:
(As of 8/29/05 1:00 PM EDT)**

Parish	% Customers w/o Power
Ascension	25,800
Assumption	32,000
E. Baton Rouge	111,400
Jefferson	131,709
Lafourche	27,048
Livingston	28,025
Morgan City	1,200
Orleans	215,163
Plaquemines	107,290
St. Charles	16,396
St. John The Baptist	25,000
St. Mary	2,816
St. Tammany	65,996
Tangipahoa	33,475
Terrebonne	31,830
W. Baton Rouge	6,000
W. Feliciana	3,200
Washington	39,376

Florida

- Approximately 382,800 customers (as of 3:30 PM on 8/29) remain without power in Florida due to Katrina. Of these, 264,200 are in the Florida Power & Light service area. Municipals and Coops 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 Miami-Dade and Broward.

**Florida County Outage Data:
(As of 8/29/05 3:30 PM EDT)**

County	Customers w/o Power	Total Customers	% Customers w/o Power
Broward	77,800	880,231	9%
Dade	186,400	984,905	19%
Escambia	83,973	141,988	60%
Okaloosa	7,479	95,097	8%
Santa Rosa	26,037	63,156	41%

- Petroleum companies doing business in Florida expect shipments of fuel within next 3-9 days.

- Miami-Dade and Broward counties report some gasoline stations closed due to power outages. Gasoline stations in the Panhandle region are also experiencing power outages. Petroleum companies are currently focusing on fuel deliveries in I-10 corridor.
- Panhandle ports are closed. All other ports in FL are open.