

**OFFICE OF ENERGY ASSURANCE
U.S. DEPARTMENT OF ENERGY
Hurricane Ivan Situation Report #2
September 16, 2004 (4:00 PM EDT)**

HIGHLIGHTS

- DOE is currently staffing the ESF-12 desks at the FEMA Headquarters National Emergency Operations Center; the FEMA Region 4 Regional Operations Center in Atlanta, GA; the Florida State EOC in Tallahassee; the Orlando Disaster Field Office; and the FEMA Region 6 Regional Operations Center in Denton, TX.
- As of 1:00 PM CDT 9/16 Hurricane Ivan’s maximum sustained winds have decreased to near 70 mph with higher gusts and a continued gradual weakening is forecast over the next 24 hours. Tropical storm force winds extend outward up to 290 miles mainly to the southeast of the center. The eye of the storm is located approximately 45 miles west-northwest of Montgomery, AL, and is moving towards the north-northeast at about 14 mph. A gradual turn toward the northeast and decrease in forward speed are expected during the next 24 hours. Approximately 1.7 million customers in the Gulf Coast (see chart below) lost power during Hurricane Ivan. An image of the current storm path is available at:
<http://www.nhc.noaa.gov/ftp/graphics/AT09/refresh/AL0904W+GIF/161503W.gif>
- EA is also monitoring Hurricane Jeanne, which may impact the U.S. Eastern Seaboard. As of 2:00 PM ADT 9/16 Hurricane Jeanne’s maximum winds are near 75 mph with higher gusts making it a Category 1 storm. The center of Hurricane Jeanne was located inland about 65 miles east-northeast of Santo Domingo in the Dominican Republic and is moving just north of due west at 7 mph. An image of the current storm path is available at:
<http://www.nhc.noaa.gov/ftp/graphics/AT11/refresh/AL1104W+GIF/161503W.gif>
- Hurricane Jeanne resulted in the loss of 1,529 MW of system firm load and has impacted 1.4 million customers. Total Puerto Rico Electric Power Authority capacity is 4,900 MW. The loss was triggered by several transmission line outages due to the storm and restoration may take “a few” days. (Source: 417 report 12:30 PM 9/16).

ELECTRIC INFORMATION

STATE OUTAGE DATA

Utility	Customers w/o Power	Total Customers	% Customers w/o Power from Ivan
Florida	443,000	8,877,905	5%
Alabama	1,065,474	2,317,229	46%
Mississippi	160,000	1,406,803	11.4%
Louisiana	29,453	2,110,768	1.4%
Georgia	None reported		

Total	1,697,927	14,712,705	11.5%
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Source: Total Customers – EIA Electric Sales and Revenue 2002 and Florida EOC. Sources for Alabama, Florida, Louisiana, and Mississippi are from the State Emergency Operations Centers.

State Outage Information

- Florida – 11 Florida counties have reported outages from Hurricane Ivan in the westernmost Florida Panhandle region, totaling 443,000 customers. Remaining from the earlier Hurricane Frances, there are currently 31,525 Florida customers without power.
- Alabama - Currently, an estimated 1.065 million Alabama customers are without power including Alabama Power with 787,000; cooperatives with 275,000; and TVA with 3,000.
- Mississippi - Currently, an estimated 160,000 Mississippi customers are without power.
- Louisiana - Currently, some 29,000 Louisiana customers are without power, down from 51,070 reported at 10:00 AM EST 9/16.

OIL AND GAS INFORMATION

Status of Refineries in Preparation for Hurricane Ivan

Refiner	Location	Capacity (bbl/day)	Status
Shell Oil	Saraland, AL	85,000	Shut down
Chevron	Pascagoula, MS	325,000	Shut down (No significant damage)
ExxonMobil	Chalmette, LA	182,500	Shut down
Marathon	Garyville, LA	254,000	Reduced runs, in process of resuming full operation
ExxonMobil	Baton Rouge, LA	493,500	Reduced runs
Motiva	Convent, LA	235,000	Restarting
Motiva	Norco, LA	226,500	Restarting
Murphy	Meraux, LA	120,000	Shut down
Valero (Orion)	St. Charles, LA	155,000	Reduced runs
Valero	Krotz Springs, LA	78,000	Shut down
Valero	Texas City, TX	204,250	Reduced runs
BP	Texas City, TX	437,000	Reduced runs
Citgo	Lake Charles, LA	324,300	Reduced runs
Shell	St. Rose, LA	55,000	Shut down

ConocoPhillips	Belle Chasse, LA	235,500	Shut down
ConocoPhillips	Wood River, IL (PADD II)	288,300	Reduced runs
ConocoPhillips	Borger, TX	145,800	Reduced runs
Premcor	Memphis, TN (PADD II)	180,000	Reduced runs

LA Offshore Oil Platform:

The LOOP reports that it expects to be in service by noon tomorrow, 9/17/04.

Pipelines:

Capline pipeline has resumed operations as of noon today at a rate of 720,000 barrels per day. This will get needed supplies to the Premcor Memphis and ConocoPhillips Woodriver refineries.

Crude Oil and Gas Production:

Minerals Management Service has said that it's too soon to evaluate offshore infrastructure for possible damage. The latest information shows 1.41 million barrels a day of shut-in oil production or 83% of daily production of crude oil. Shut-in gas production is currently at 6.52 BCFPD or 53% of daily natural gas production. The cumulative (9/13/04-9/16/04) shut-in oil production is 3,916,347 barrels, equivalent to 0.65 percent of the yearly production of oil, which is approximately 605 million barrels.

The cumulative (9/13/04-9/16/04) shut-in gas production is 17.731 BCF, equivalent to 0.40 percent of the yearly production of gas, which is approximately 4.45 TCF.

Louisiana officials estimate report that no steps will be taking to survey rigs or other facilities offshore until late tomorrow or Saturday at the earliest.

Strategic Petroleum Reserve:

All hurricane alerts have been suspended at the SPR facilities. Facilities have resumed normal operations. SPR reports no damage to sites or buildings.