

**OFFICE OF ENERGY ASSURANCE
U.S. DEPARTMENT OF ENERGY
Hurricane Ivan Situation Report #1
September 16, 2004 (10:00 AM 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 7:00 AM CDT 9/16 Hurricane Ivan's maximum sustained winds have decreased to near 80 mph with higher gusts and a continued gradual weakening should continue as the Hurricane moves inland. Hurricane force winds could spread inland up to about 150 miles near the path of the center. The eye of the storm is located approximately 90 miles west-southwest of Montgomery, AL and is moving slightly east of due north at about 17 mph. Ivan made landfall near the resort town of Gulf Shores, Alabama, at 1:50 a.m. 9/16 (2:50 a.m. EDT) on Thursday. An image of the current storm path is available at:
<http://www.nhc.noaa.gov/ftp/graphics/AT09/refresh/AL0904W5+GIF/150858W5.gif>

ELECTRIC INFORMATION

STATE OUTAGE DATA

Utility	Customers w/o Power	Total Customers	% Customers w/o Power from Ivan
Florida	338,923	8,877,905	3.8%
Alabama	320,000	2,317,229	13.8%
Mississippi	<100,000	1,406,803	<7.1%
Louisiana	51,070	2,110,768	2.4%
Georgia	None reported		
Total	809,993	14,712,705	5.5%

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 - Currently, 338,923 Florida customers are without power due to Hurricane Ivan in the 7 westernmost Florida Panhandle counties. Remaining from Hurricane Frances, there are currently 34,826 Florida customers without power.
- Alabama - Currently, an estimated 320,000 Alabama customers are without power.

- Mississippi - Currently, less than an estimated 100,000 Mississippi customers are without power. Some 50,000 customers are without power in the Gulf Coast counties of Jackson, Hancock and Harrison.
- Louisiana - Currently, 51,070 Louisiana customers are without power.

OIL AND GAS INFORMATION

- Yesterday, EPA exercised enforcement discretion which allowed the sale of non-Summer high Reid Vapor Pressure (RVP) gasoline into stations, some seven or eight hours before summer standards give way to relaxed autumn and winter RVP specs. EPA responded to requests from suppliers who wanted to sell higher RVP gasoline, such as 9 psi blends, in markets that were to uphold lower RVP thresholds through September 15. The decision affects Louisiana, Mississippi, and Alabama, all states within the potential path of Ivan. In addition, EPA also extended the September 15 deadline in FL until midnight on September 24, allowing the continued sale of red-dyed, high-sulfur (500 parts/million) diesel fuel for on-road use.

Natural Gas Pipelines Shutting-In Capacity in Preparation for Hurricane Ivan

Pipeline Company	Supply Interruption	Status
Florida Gas Transmission	NA	Zone 2 and 3 (roughly Louisiana, Mississippi, Alabama and Gulf of Mexico) supply impacted. Overage Alert Day for gas day 15 customers on 9/14/04 (2% tolerance is quite tight). Volume in the pipeline is very low.
Gulfstream Natural Gas	550 MMcf/d	Significant gas supply interruptions in Mississippi and Alabama (expected to grow to 800 MMcf/d). Action Alert for gas day 15 issued; will remain in effect until further notice.
Natural Gas Pipeline (Kinder Morgan)	NA	Storage injections limited 9/15/04. Lost 30% of the supply normally received into Louisiana line from Stingray Pipeline.
Southern Natural Gas Company	600 MMcf/d	Shut down Enterprise Processing Plant and Toca Compressor Station. Not accepting any nominations for interruptible services that rely on storage.
Tennessee Gas Pipeline	500 MMcf/d	Production losses result in adjusted supply aggregation pools (tolerance levels). Nominations at capacity; cannot accept nomination increases pathed from meters on the Carthage Lateral.
Texas Eastern	300 MMcf/d	Scheduled outage of the Vidor Compressor station

Transmission		starts 9/15/04 through month end. Cannot schedule any interruptible or preferential firm out of the STX/ETX area.
Trunkline Gas	700 MMcf/d	Supply losses from Sea Robin and Terrebonne systems offshore.
Williams Gas Pipeline/TRANSCO	900 MMcf/d	Production loss from Mobile Bay lateral and three laterals offshore Louisiana (expect more). Emergency supply allocation at receipt points.

Note: Interruption volumes as of 9/14/04 afternoon. Source: Natural Gas Intelligence and Company Critical Notices on Electronic Bulletin Boards. Total imports and interstate receipts of gas into Louisiana averaged 14,049 MMcf/d in 2002 (EIA website). Production losses identified above total 3,550 MMcf/d or 25 percent of total receipts.

Refineries:

No updates at this time.

Strategic Petroleum Reserve:

Bryan Mound, Big Hill, and West Hackberry are at Hurricane Alert Level I; these facilities are fully operational and not expected to be impacted. New Orleans and Bayou Choctaw are at Hurricane Alert Level IV.

Crude Oil and Natural Gas Production:

According to the Department of Interior's Minerals Management Service, 1.32 million barrels per day (77.6 percent) of crude oil production and 6.04 BCFPD (49.1 percent) of natural gas production are currently shut in the Gulf of Mexico. Data as of 9/15/04.

Florida Fuel Status:

Florida reports that Tampa is receiving a shipment of fuel this morning. The ship arrived ahead of the storm. Fuel will be shipped via pipeline to Orlando where supplies are low. Within the next 72 hours, Tampa is expected to receive 39 million gallons of fuel. In addition, FL is expecting additional shipments of 204 million gallons of fuel over the next 9 days. Terminals in the Florida Panhandle are currently closed, of course, while the storm winds are still a factor.