

**OFFICE OF ENERGY ASSURANCE
U.S. DEPARTMENT OF ENERGY
Hurricane Ivan Situation Report #7
September 20, 2004 (4:00 PM EDT)**

HIGHLIGHTS

- Approximately 501,573 customers in three states are without electricity. The majority of the outages remain in Alabama and Florida. No restoration estimate is yet available for Florida and Alabama outages, but restoration should be essentially completed by midnight 9/24. (See chart below)
- EA continues to monitor Tropical Storm Jeanne, which may impact the U.S. Eastern Seaboard. As of 11:00 AM EDT 9/20 Tropical Storm Jeanne's maximum sustained winds have strengthened to an estimated 65 mph. Jeanne is moving to north-northeast at nearly 7 mph. The center of Jeanne was located about 345 miles east of Great Aboco Island. Jeanne is expected to turn to the northeast over the next 24 hours. An image of the current storm path is available at:
<http://www.nhc.noaa.gov/ftp/graphics/AT11/refresh/AL1104W5+GIF/190858W5.gif>

ELECTRICITY INFORMATION

STATE OUTAGE DATA

Utility	Customers w/o Power	Total Customers	% Customers w/o Power from Ivan
Florida	188,448	8,877,905	2%
Alabama	277,725	2,317,229	12%
North Carolina	35,400	4,315,789	<1%
Total	501,573	15,510,923	3.2%

Source: Total Customers – EIA Electric Sales and Revenue 2002 and Florida EOC. Sources for Alabama, Florida, and North Carolina are from the State Emergency Operations Centers.

State Outage Information

- **Florida** - Gulf Power has completed restoration of service for its customers in Bay, Holmes, Jackson and Washington counties. The company reports that of the 87 substations that were knocked off line by Ivan, 12 remain without power. Of the 790 miles of transmission line that were knocked out of service, only 100 miles remain. The company's goal for Monday 9/20 is to get all transmission lines and substations energized.
- **Florida County Outage Data –**

Data shown in the Table are as of 9/20/04 11:00AM EDT)

County	Customers w/o Power	Total Customers	% Customers w/o Power
Bay	3,099	98,755	3%
Escambia	94,998	154,995	64%
Holmes	753	10,150	7%
Okaloosa	44,715	99,980	45%
Santa Rosa	38,701	61,692	57%
Walton	5,477	40,798	13%

- Alabama** – Currently 277,726 Alabama electricity customers are without power including 184,332 customers of Alabama Power and 93,294 customers of cooperatives. TVA has restored essentially all of its customers. Alabama Power provided the following restoration targets for its customers: Birmingham 9/21, Eastern 9/21, Montgomery 9/23, Southeast 9/19, Tuscaloosa 9/21, and Mobile 9/24.
- North Carolina** – Duke Power reports 21,600 customers remain without power and expect complete restoration by midnight, 9/22. Cooperatives are no longer reporting outages as over 95% of customers have been restored. Progress Energy reports outages of 13,800 and expects complete restoration by midnight 9/21.
- Puerto Rico** – No update on outages is available; as of 9/19, at least 403,000 of the 1.6 million PREPA customers have had their power restored. FEMA and DOE are conceptualizing a study of the Puerto Rico grid to learn the sources of the grid problems there and any applicable lessons learned.

OIL AND GAS INFORMATION

Status of Refineries Following Hurricane Ivan (9/20/04)

Refiner	Location	Capacity (bbl/day)	Status
Shell Oil	Saraland, AL	85,000	Remains shut down
Chevron*	Pascagoula, MS	325,000	Remains shut down
Motiva	Convent, LA	235,000	Running at 160,000 b/d
Motiva	Norco, LA	226,500	Running at 150,000 b/d
Valero (Orion)	St. Charles, LA	155,000	Resuming full operations by September 20
Valero	Krotz Springs, LA	78,000	Will restart tomorrow at reduced runs

Note: Most refineries (reported in Friday's afternoon situation report) have resumed normal operations; however, some refineries have reduced runs while awaiting crude oil shipments.

*Chevron has reported that its marketing terminal in Pascagoula is open.

FL Fuel Status

The Florida Panhandle area reports tight supplies since some ports and terminals remain closed. Marketers are currently obtaining product from Mobile and Birmingham, Alabama, as well as Bainbridge, Georgia. Other parts of FL report that supply situation has improved and should be back to normal by end of this week.

Crude Oil and Gas Production:

Over the weekend, companies began sending essential production and drilling personnel to offshore platforms in the Gulf of Mexico. Some areas are in full production while others are in a ramp-up process. According to the Department of Interior's Mining and Mineral Service, the latest information shows 0.69 million barrels a day of crude oil as shut-in; this is equivalent to 41 percent of daily crude oil production. Shut-in gas production remains at approximately 2.8 BCFPD or roughly 23.5 percent of daily natural gas production.

Port Status

New Orleans, LA - Lower Mississippi River is open with nighttime restrictions
MS River Gulf Outlet (MRGO) is closed, which affects deep draft cargo operations
Intercoastal Waterway is open from New Orleans to Gulfport.

Gulfport, MS -Port open with draft restrictions to 33 ft.

Pascagoula, MS -Port open with draft restrictions to 38 ft.
Intercoastal waterway from mile 104 (Pascagoula) to mile 351 (Apalachicola) is closed

Mobile, AL - Port open with draft restrictions to 40 ft.

Pensacola, FL - Port closed

Panama City, FL - Port closed

Natural Gas Pipelines Status Following Hurricane Ivan (9/20/04)

Pipeline Company	Supply Interruption	Status
Florida Gas Transmission	NA	Utilization of FGT capacity is at maximum. Market Area temperatures are forecasted to be around 90 degrees; therefore, for the gas day of September 20th, 2004, FGT alerted their customers in FGT's market area to adhere to their allocations.
Gulfstream Natural Gas	NA	Significant supply interruptions in Mississippi and Alabama are limiting pipeline capacity. At this time

		and until Gulfstream determines it is otherwise operationally feasible, the pipeline will schedule limited deliveries from confirmed receipts of gas into the system, and gas already in the system.
Natural Gas Pipeline (Kinder Morgan)	NA	Limited capacity is available for eastbound transport volumes from the Louisiana zone going eastbound.
Southern Natural Gas Company	NA	Damage surveys are continuing in the Main Pass area. Repairs and clean up are continuing at compressor stations, with several receipt points still under force majeure.
Tennessee Gas Pipeline	NA	Working on repairing damaged lines from Hurricane Ivan, and a force majeure event will continue until further notice in the South Pass area.
Texas Eastern Transmission	NA	Texas Eastern will not accept nominations from any meter on the South Pass system, the VGS processing plant, which was impacted by Hurricane Ivan, resumes processing operations.
Williams Gas Pipeline/TRANSCO	NA	Transco continues to expect the production area supply to return to normal levels over the next few days. Transco has returned to its normal scheduling procedures.

Information obtained from Company web sites