

**OFFICE OF ENERGY ASSURANCE
U.S. DEPARTMENT OF ENERGY
Hurricane Ivan Situation Report #10
September 22, 2004 (10 AM EDT)**

HIGHLIGHTS

- Approximately 225,249 customers in Alabama and Florida are without electricity. Over two-thirds of Gulf Power's customers in Florida now have their power restored.
- EA continues to monitor Hurricane Jeanne, which NOAA believes could be a threat to the U.S. Eastern Seaboard. As of 5 AM EDT 9/22 the storm had maximum sustained winds near 90 mph, making it a Category 1 Hurricane. At that time, the center of Hurricane Jeanne was located about 525 miles east of Great Abaco Island in the Bahamas and moving towards the south at 3 MPH. An image of the current storm path is available at:
<http://www.nhc.noaa.gov/ftp/graphics/AT11/refresh/AL1104W5+GIF/190858W5.gif>
- EA is also monitoring Hurricane Karl. NOAA reports that Karl is moving north-northwestward but is no threat to land. At 5 AM EST 9/22 the center of Hurricane Karl was about 1500 miles west-southwest of Fayal Island in the western Azores and is moving towards the north at near 17 MPH. It has sustained winds near 115 MPH and is a Category 3 Hurricane. An image of the current storm path is available at:
<http://www.nhc.noaa.gov/ftp/graphics/AT12/refresh/AL1204W5+GIF/220853W5.gif>
- It is too soon to tell if Tropical Storm Lisa will be a cause for concern.

ELECTRICITY INFORMATION

STATE OUTAGE DATA

Utility	Customers w/o Power	Total Customers	% Customers w/o Power from Ivan
Florida	125,928	8,877,905	1.4%
Alabama	129,321	2,317,229	5.6%
Total	255,249	11,195,134	2.3%

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

State Outage Information

- **Florida** - Florida has 125,928 customers without power. Gulf Power Company had restored power to 71 percent of its customers across Northwest Florida by late Tuesday, 9/21. Gulf Power Company began bringing in fresh crews to replace some of the 4,000 outside workers working to get electricity back on for customers. Southern Company has sent volunteer employees in from Mississippi, Georgia and Alabama as well to assist with a variety of duties. The FL EOC is projecting that 95 percent power will be restored to Escambia and Santa Rosa Counties by October 6 "for those structures in position to

accept service". These are the two most heavily damaged counties in Florida. Although no projections are available for Walton and Okaloosa Counties, they expect power to be restored in those counties sooner than in Escambia and Santa Rosa Counties.

Florida County Outage Data:

Data shown in the Table are as of 9/22/04 7:00AM EDT)

County	Customers w/o Power	Total Customers	% Customers w/o Power
Escambia	80,442	148,372	54%
Okaloosa	10,652	99,980	11%
Santa Rosa	33,238	67,881	49%
Walton	1,572	40,798	4%

- Alabama** – Currently, 129,231 Alabama customers remain without power, including 65,806 customers of Alabama Power and 63,425 customers of cooperatives. TVA has restored power to all of its customers. Alabama Power expects to have power restored to Montgomery customers restored by 9/23 and customers in Mobile by 9/24. The company reported that at least 27 states and the District of Columbia have utility crews in Alabama assisting with restoration efforts. In total some 6,000 workers are in neighborhoods throughout Alabama Power service territory.
- North Carolina** – Current outages are very low. Most affected areas are Buncombe and Haywood Counties. Progress Energy North Carolina expected to have all customers capable of receiving power restored by midnight Tuesday, 9/21 but there might be some isolated outages in areas from extensive tree or water damage or inaccessibility from road closures. To date, damage assessors have found 47 miles of power line down and 250 damaged poles. Duke Power estimates that power will be restored by Sept 22 for most customers, depending on weather and accessibility.
- Puerto Rico** – According to Puerto Rico news sources, approximately 94 percent of the customers have had 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

- FL Fuel Status** - With respect to the Florida Panhandle area, OEA has learned that the terminal at Pensacola suffered severe damage. The dock, loading arms, and dock house were lost during the storm. It is estimated that it will take approximately 3 months to reopen the terminal. The Niceville and Panama City terminals are open and in full operation; however, supplies are tight as companies await barge shipments. Marketers continue to travel to Mobile and Birmingham, Alabama and Bainbridge, Georgia for petroleum products.

- **Crude Oil and Gas Production** - According to yesterday's MMS report, 666 thousand barrels of crude oil remain shut in -- which is 39.2 percent of daily production -- and 2.7 BCFPD of natural gas -- which is 22 percent of daily natural gas production. A total of 35 platforms and one rig are still evacuated; however, this is down significantly from the high of 545 platforms and 69 rigs evacuated last week. The current evacuations are equivalent to 4.6 percent of 764 manned platforms and less than one percent of 117 rigs currently operating in the Gulf, according to MMS.

According to MMS, preliminary damage assessments reported by industry as of Monday, September 20 indicate the following:

- Five Mobile Offshore Drilling Units (MODU) were adrift, but all have been located. One MODU was reported to be leaning about 3 degrees. Companies are in the process of reoccupying these facilities to assess the damage onsite.
- The MMS also reported that four fixed platforms were reported missing; however, Noble Energy said Monday afternoon that they had located their three missing platforms under water.
- One Fixed platform is reported as leaning.
- One Rig installed on a SPAR is missing.
- One Platform rig derrick was seen leaning over the edge of the SPAR on which it was installed.
- One MODU with extensive damage.
- One Platform with extensive topside damage
- Three Pipeline leaks were reported -- one resulted in a fire which is now burned out.