

**OFFICE OF ENERGY ASSURANCE
U.S. DEPARTMENT OF ENERGY
Hurricane Ivan Situation Report #7
September 20, 2004 (10:00 AM EDT)**

HIGHLIGHTS

- Approximately 573,000 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 5:00 AM EDT 9/20 Tropical Storm Jeanne's maximum sustained winds have strengthened to an estimated 60 mph. Jeanne is moving to the north at nearly 8 mph. The center of Jeanne was located about 325 miles east of Great Aboco Island. Jeanne will likely continue to rotate in the southwest Atlantic for some time. 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 | 198,575 | 8,877,905 | 2% |
| Alabama | 297,594 | 2,317,229 | 12.9% |
| North Carolina | 77,560 | 4,315,789 | 3% |
| Total | 573,729 | 15,510,923 | 3.7% |

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** – As of 5PM EDT, Gulf Power reported that power to most key critical customers (hospitals, emergency departments, water and sewer stations) have been restored. Of the 75 substations out, 58 were back online as of the evening of 9/18.
- **FLORIDA COUNTY OUTAGE DATA –**

Data shown in the Table are as of 9/20/04 7:00AM EDT)

| County | Customers w/o Power | Total Customers | % Customers w/o Power |
|----------|---------------------|-----------------|-----------------------|
| Bay | 2,615 | 98,755 | 3% |
| Escambia | 100,878 | 154,995 | 68% |

| | | | |
|------------|--------|--------|-----|
| Holmes | 751 | 10,150 | 7% |
| Okaloosa | 39,883 | 99,980 | 40% |
| Santa Rosa | 48,869 | 61,692 | 72% |
| Walton | 5,236 | 40,798 | 13% |

- **Mississippi, Georgia and Tennessee** have essentially completed restoration of electricity to customers impacted by Hurricane Ivan.
- **Alabama** – Currently 297,594 Alabama electricity customers are without power including 194,000 customers of Alabama Power, 93,294 customers of cooperatives and 10,100 customers of TVA. 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** – Cooperatives are no longer reporting outages as over 95% of customers have been restored. Progress Energy reports outages of 13,800 down from 51,171. No recent update has been available from Duke Power which had reported 63,760 total outages on 9/19. Duke Power has estimated that power will be restored by 9/22 for most customers, depending on weather and accessibility. Progress Energy had estimated that power will be restored by 9/21 for most customers, depending on weather and accessibility.
- **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 preparing to launch 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**
- No updates at this time.