

**OFFICE OF ENERGY ASSURANCE
U.S. DEPARTMENT OF ENERGY
Hurricane Ivan Situation Report #6
September 19, 2004 (10:00 AM EDT)**

HIGHLIGHTS

- Approximately 900,000 customers in six states are without electricity; this is down from 1.2 million customers yesterday. The majority of the outages remain in Alabama and Florida. (See chart below)
- EA continues to monitor Tropical Storm Jeanne, which may impact the U.S. Eastern Seaboard. As of 8:00 AM EDT 9/19 Tropical Storm Jeanne's maximum sustained winds are estimated near 45 mph. Jeanne is moving north-northwest near 7 mph. The center of Jeanne was located about 140 miles east-southeast of San Salvador. Jeanne will likely rotate in the southwest Atlantic for some time to come. 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	287,547	8,877,905	3%
Alabama	437,000	2,317,229	19%
Mississippi	4,051	1,406,803	0.3%
Georgia*	9,000	4,150,000	<1%
Tennessee	<7,000	2,896,050	0.2%
North Carolina	119,914	4,315,789	3%
Total	864,512	23,963,776	3.6%

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

*Note, data for Georgia Power only. No current data available for GA Cooperatives.

State Outage Information

- **Florida** – Gulf Power restored power to hospitals in Pensacola and power to the sewer system was expected to be restored Saturday morning. Of the 790 miles of transmission lines that were damaged, 384 miles has been restored. Of the 75 substations out, 49 were back online. Contractors continue to roll in from outside companies. As of Saturday morning, 5,430 personnel, including all 1,400 Gulf Power employees, were working storm duty. Among the areas that were restored Saturday in Pensacola include the ECUA sewage treatment plant, Baptist Hospital, Sacred Heart Hospital, West Florida Hospital, Pensacola Regional Airport and Pensacola Naval Air Station.

- **FLORIDA COUNTY OUTAGE DATA –**

Data shown in the Table are as of 9/19/04 7:00AM EDT)

County	Customers w/o Power	Total Customers	% Customers w/o Power
Bay	5,780	98,755	6%
Escambia	137,592	154,995	89%
Holmes	4,496	10,150	44%
Okaloosa	63,682	99,980	64%
Santa Rosa	60,393	61,692	98%
Walton	12,985	40,798	32%
Washington	1,276	12,542	10%

- **Georgia** –Georgia Power reports 9,000 customers without power. No current update for State Cooperatives.
- **Alabama** - Currently 437,000 customers remain without power including 125,000 customers of cooperatives and 12,000 customers of TVA. Vast majority (>95%) customers to be restored by 9/24. Regional restoration breakdowns include Birmingham 9/21, Eastern 9/21, Montgomery 9/23, Southeast 9/19, Tuscaloosa 9/21, and Mobile 9/24.
- **Mississippi** – 4,050 customers remain without power. Restoration to be completed by 9/19.
- **North Carolina** – The North Carolina State Emergency Response Team reports total outages of 119,914, with Progress Energy reporting 51,171 in the following counties: Avery (450) Buncombe (42,800) Haywood (4,200) Henderson (1,200) Jackson (350) Progress Energy reports 46,500 total outages in the following counties: Avery (446) Buncombe (38,890), Haywood (3,454), Henderson (1,015), Jackson (117), McDowell (106), Mitchell (2,098), Rutherford (17), Yancey (62)

Duke Power reports 63,760 total outages, most of which are in the following counties: Henderson (36,403), McDowell (1,196) Transylvania (6,384), Polk (1,944) Nantahala Area (17,833), (remaining 2000 are scattered)

NC Electric Membership reports 9,654 total outages in the following cooperatives/counties: Blue Ridge EMC: 5,454 outages in Watauga (3,304), Ashe (1,695), Allegheny (382) and Caldwell (73). Haywood EMC: 4,200 scattered outages in Transylvania, Jackson, Macon, Buncombe and Haywood.

Duke Power estimates that power will be restored by Sept 22 for most customers, depending on weather and accessibility.

Progress Energy estimates that power will be restored by Sept 21 for most customers, depending on weather & accessibility.

NC Cooperatives have not provided an estimated restoration date.

- **Tennessee** –Less than 7,000 Tennessee customers are without power. Tennessee expects 100% restoration of power by midnight Sunday, 9/19.
- **Puerto Rico** - According to news reports, 403,000 of the 1.6 million PREPA customers have had their power restored. The Puerto Rico Electric Power Authority had turned off the electricity for the entire island during tropical storm Jeanne. The Director of PREPA has said that the shutdown was taken in order to prevent accidents with live electric wires that could get knocked down in the storm and cause major damage to the distribution system. Press reports in Puerto Rico on Thursday stated that the lack of electricity on the entire island was the result of human error which caused a collapse of the system in a domino effect. No estimate has been provided on when service could be restored to the entire island.

FEMA is planning to conduct a survey of the Puerto Rico grid, to determine what went wrong and what could be done in the future to enable the grid to more quickly absorb such a hit and recover as quickly as possible. Since the damage and problems just occurred and are still happening, FEMA sees this as an immediate opportunity to assess the situation as it is ongoing and to make recommendations for improvements. DOE/EA will support this effort and is planning to contribute an electricity expert to the review team.

OIL AND GAS INFORMATION

- FLEOC reports that a total of 147.5 million gallons of fuel will arrive to FL ports within the next 72 hours. Tampa is expected to receive 8 shipments over the next 3 days. Since September 5, 724 million gallons of fuel has been delivered. Florida normally delivers 700 million gallons of fuel a month. As of late yesterday, Port of Pensacola remained closed.