

ESF-12 Situation Report

August 15, 2004 1500 EDT

- In the Carolinas, approximately 35,200 remain without power down from a peak of approximately 199,000 (for utilities where data are available). 27,500 of these outages are in the Progress Energy territory. They expect to have the majority of these restored late tonight.
- In Florida, approximately 868,000 to over 1,000,000 customers remain without power from a high of over 1.4 million (for utilities where data are available). Utilities report that restoration to hard hit counties could take 10 days.
- Progress Energy's Florida service territory includes 700 miles of transmission lines and 62 substations out of service

Utility Outage and Recovery Data Available	
SOUTH CAROLINA	
South Carolina Electric & Gas	Between 150 and 200 customers remain without power in the greater Charleston area (10:00 AM 8/15/04)
Santee Cooper	7,500 customers reported without power, down from the peak of 65,000 (of a total of 141,000 metered customers) (10:00 AM EDT, 8/15/04) Conway and Inland Area - 800 Myrtle Beach Area - 2300 North Myrtle Beach Area - 2300 Surfside Beach, Garden City and Pawleys Island Area - 2100
NORTH CAROLINA	
Progress Energy (North Carolina)	Reports 27,500 Customer Outages in the Carolinas (10:00 AM EDT, 8/15/04)
FLORIDA	
Tampa Electric	Reports 250 MW affected Approximately 39,000 customers without power down from 78,000 (11:00 AM EDT, 8/15/04)
Progress Energy	Total Customer Outages: 455,446 from total of 502,000 (as of 11:00 AM EDT 8/15) Progress Energy will release updated outage figures four times daily: 5 a.m., 11 a.m., 4 p.m. and 10 p.m.
Jacksonville Electric Authority	Currently, there are only 5 customer outages reported in the JEA service area as of (1 PM EDT 8/15/04). (Out of 384,892 metered customers)
Seminole Electric Cooperative	Reports 200,000 customers affected.

Florida Power & Light		
County	Customers Out	Total Customer Accounts
West Florida		
Charlotte	75,000	97,100
Collier	65,000	171,600
DeSoto	13,000	15,700
Glades	1,000	3,500
Hendry	2,000	8,700
Lee	110,000	193,900
Sarasota	12,000	226,700

Subtotal	278,000	
North & Central Florida		
Brevard	17,000	269,400
Flagler	6,000	41,600
Seminole	16,000	52,500
St. Johns	-	58,500
Volusia	110,000	162,000
Subtotal	149,000	
TOTAL	427,000	

Florida Update:

- **Progress Energy Florida expects seven- to 10-day restoration effort in Hurricane Charley aftermath.** As Progress Energy Florida crews work around the clock to repair the damage from Hurricane Charley, the company now expects to restore power to customers in the counties in the Orlando area (Orange, Volusia, Osceola, Lake and Seminole counties) by midnight Saturday and in the hardest-hit counties (Highlands, Hardee and Polk counties) by midnight Tuesday, Aug. 24. Since the storm, Progress Energy has restored power to 46,534 customers. As of 11 a.m. Sunday, 455,446 of the company’s customers remained without power, down from a peak of 502,000 at midnight Friday. More than 6,000 Progress Energy employees and contractors are working to restore power to affected areas. That does not include hundreds of other workers involved in staging, logistics and other storm-support roles. Severe damage in Progress Energy’s service territory includes 700 miles of transmission lines and 62 substations out of service. Progress Energy reports that:

 - They sent teams out by 2 am on 8/14 to perform an initial assessment of the storm damage.
 - They will have completed, weather permitting, a damage assessment of their transmission systems by end of 8/15.
 - They will have completed damage assessments of their distribution systems by end of the day tomorrow.
 - They have the materiel in hand to perform the restoration.

- **Tampa Electric** - Hurricane Charley’s path included the eastern parts of Tampa Electric’s service territory. The greatest impact was to the City of Winter Haven and the surrounding area. As noted above, approximately 78,000 customers were left without electric power due to damage to the transmission and distribution system cause by the hurricane. **As of Sunday morning, nearly half of the 78,000 affected customers have service restored.** Damage to the system included 17 transmission circuits and 68 distribution circuits. Over 90% of the Company’s distribution circuits in the Winter Haven area were affected. Damage to substations was minimal, though communications was lost to some facilities due to telephone and fiber optic lines affected by the storm. Mutual assistance crews began arriving Saturday as well. Work continues and is accelerating as mutual assistance crews arrive and begin work. Twelve transmission circuits are still out. However, these are primarily 69 kV circuits that serve industrial and mining load.

- **Florida Power and Light (FPL)** serves 4.2 million homes and businesses in all or parts of 35 counties in Florida, including the entire eastern seaboard and the southwest Gulf Coast from Bradenton/Sarasota to Fort Myers/Naples. As of 4:20 a.m. 8/15/04 427,000 customers were still without power, down from 494,000 customers as of late Saturday night and a high of 874,000 at the beginning of the storm. FPL is making progress in restoring service throughout its territory, but as crews rebuild those hardest hit areas in Punta Gorda and Port Charlotte around Fort Myers the progress will be slower. The hardest hit areas in Southwest Florida resemble conditions such as those seen after Hurricane Andrew and in those areas FPL must rebuild the system. FPL expects to be able

to provide estimated restoration times for all remaining areas later today, except for the hardest-hit areas of Port Charlotte, Punta Gorda and Arcadia.

- **Seminole Electric** – Significant loss of T&D infrastructure in Florida counties of Collier, Hendry, Glades, Highlands, Charlotte, Desoto, Lee Hardee Polk.
- We have no reports that police and fire departments are dark, i.e., we believe that those needing standby power have it. All of the hospitals, except those 5 which were evacuated, have power, standby or otherwise.
- All requests for diesel fuel to serve backup power are being processed; no reports that diesel fuel is not available to serve backup power.
- **Peace River Cooperative**, covering counties in southwest Florida, expects to rebuild their damaged components within 1 – 2 weeks. Lee County Electric Cooperative has 80,000 out of 160,000 customers out of service affected mostly at Pine and Sanibel Islands. The other 3 cooperatives in the affected region (Clay, Glades and Sumter Electric Cooperatives) are on line.
 - At least 1200 MW of generation is offline due to damage at power plants: Tiger Bay (233 MW) has 3 out of 4 cooling towers damaged. Hines has lines down at the plant and several enclosures were blown off and there appear to be electronics damage to the physical part of the plant's control system. This will require engineers to evaluate the severity. The small Rio Pinar plant (20 MW) lost its battery bank and a vehicle was blown into a storage tank. Normally Florida's system could handle the loss of these three plants; however, with the severe damage to the transmission lines, only limited power can be imported so the loss of the plants is critical to some areas receiving power.

Carolinas/Georgia Update:

- **Progress Energy Carolinas** crews worked through the night restoring power outages caused by Hurricane Charley. At the peak of the storm at 2:45 p.m. Saturday, more than 112,000 Progress Energy Carolinas customers were without electricity. By 10 a.m. Sunday, crews had restored more than 84,000 of those customers. About 27,500 customers remained without power Sunday morning, but the company plans to have the majority of those customers restored by midnight tonight. Progress Energy Carolinas has assembled more than 1,200 line and tree personnel for the storm restoration effort. Crews are in the field now, working to restore power as quickly and safely as possible. The company moved more than 680 additional personnel into the hardest hit areas.
- North Carolina - Power Outages: Power has been 50% restored. State of Emergency Proclamations are currently in effect in the following 21 counties: Beaufort, Bladen, Brunswick, Carteret, Craven, Currituck, Duplin, Gates, Hertford, Hyde, Lenoir, New Hanover, Onslow, Perquimans, Pitt, Robeson, Tyrrell and Washington counties in the Eastern Branch and Edgecombe, Halifax, and Northampton counties in the Central Branch. Pender County EM reports 3 fatalities as of August 13, 2004.
- **South Carolina Electric and Gas** - As of Sunday morning, between 150 and 200 customers remain without power in the greater Charleston area. SCE&G crews continue working to restore power to these customers.
- After days of preparation, **Duke Power** personnel and customers noted that the powerful storm largely bypassed the company's service area. The outages experienced Saturday are typical of those incurred on a rainy day.

