



U.S. Department of Energy Office of Electricity Delivery and Energy Reliability

2011 Spring Storm Report # 10

May 2, 2011 (04:00pm EDT)

http://www.oe.netl.doe.gov/emergency_sit_rpt.aspx

Summary

Electricity		
Impacted State	Electric Customer Outages	% of State Out
Alabama	334,737	14%
Arkansas	1,358	<1%
Georgia	1,401	<1%
Tennessee	23,749	1%
TOTAL:	361,245	

Note:

States with less than 1,000 outages are not included in the tables.

Due to a large number of service providers, including investor owned utilities and cooperatives, the number of customer outages reported may not be comprehensive.

Sources:

Outages obtained from company web sites and DOE communications.

Total State customers are based on 2008 EIA Customer Data.

Highlights:

- Beginning Wednesday April 27, 2011, severe storms with heavy rain, hail, and tornadoes impacted States in the Mid-Atlantic and Southern regions. **As of 3:00 pm EDT, May 1, 2011, the impacted States report a total of 361,245 customers without power. This is a decrease from the 393,592 customers reported in this morning's Situation Report #9.** Restoration efforts by electric utilities are reported below.

ESF 12 Actions:

- ESF-12 is staffing the National Response Coordination Center (NRCC) in Washington, DC and the Region IV Regional Response Coordination Center (RRCC) in Atlanta, GA. ESF-12 has been activated to the Alabama State Emergency Operations Center (EOC)/FEMA Joint Field Office (JFO) in Clanton, AL.

Restoration Activities:

- In the Alabama Power service area, the storm damaged 4,800 poles and 380 transmission structures and destroyed five substations.** Alabama Power continues to estimate that 95 percent of customers who can receive service will be restored by Wednesday (May 4). The company has a total of 10,000 personnel, including crews from eighteen States, working to restore electricity to its customers.
- The Georgia Electric Membership Corporation, a statewide trade association representing the State's 42 EMCs, reports that the majority of customers across the seven-county**

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system have been restored, but some outages could last several more days. Line crews are concentrating their efforts on the small area around Ringgold and in the Cherokee Valley Road area. The Corporation reports that more than 400 utility personnel are assisting EMCs in north and central Georgia to restore power. Crews are working today (May 2) to restore those individual outages that were previously in areas inaccessible due to fallen tree or debris.

- Huntsville Utilities reports that 50 percent of power in its service area has been restored as of 11:00 am today (May 2) and the utility expects that customers will continue to see progress today (May 2) as TVA is able to release more power to the distribution system. There are 450 Huntsville employees and crews from Florida, Tennessee, and South Alabama in the field working to restore power.
- The Tennessee Valley Authority (TVA) reported this morning (May 2) that 120 connections have been restored between TVA and its direct and distributor customers. The storm had affected a total of 128 of these connections. TVA continues to estimate that it will restore service to a majority of its customers later this week, but some industrial loads may take longer to restore. The company has 4,000 employees and contractors working on power restoration including repairing the over 200 poles or steel structures that were damaged by the storm.
- The storm caused all three nuclear reactor units at the TVA owned Browns Ferry Nuclear Plant in Alabama to shut down on April 27th. The units were automatically and safely shut down after offsite transmission lines serving the plant were damaged. All three units have achieved cold shutdown. An additional 161 kV transmission line connected to the plant has been re-energized and TVA is powering the plant using onsite diesel generators and two 161 kV transmission lines. TVA stated last night (May 1) that the plant will be restarted when the transmission system is sufficiently repaired to accept power from the plant.
- EPB Chattanooga reports that there are 1,440 personnel restoring power to its customers. The company estimates that it might not be able to restore power to all of its customers until Thursday (May 5).