



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

2011 Spring Storm Report #2

April 28, 2011 (4:00pm EDT)

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

Summary

Table with 3 columns: Impacted State, Electric Customer Outages, % of State Out. Rows include Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, and a TOTAL row showing 807,308 outages.

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 EST, April 28, 2011, the impacted States report a total of 807,308 customers without power. Restoration efforts by electric utilities are reported below.
According to the Tennessee Valley Authority (TVA), the storm caused all three nuclear reactor units at the Browns Ferry Nuclear Plant in Alabama to shut down at 5:36 pm EDT April 27th. The units were automatically and safely shut down after offsite transmission lines serving the plant were damaged. As of 11:15 am EDT today (April 28), units 2 and 3 have achieved cold shutdown and staff are bringing unit 1 into cold shutdown. The plant's onsite diesel generators and one 161 kV transmission line are providing power to the plant.

ESF 12 Actions:

- ESF-12 has been activated at the National Response Coordination Center (NRCC) in Washington, DC.



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Restoration Activities:

- AEP Appalachian Power is reporting more than 160 line workers from outside the company's service area, as well as 50 damage assessment specialists, are assisting local Appalachian Power crews in the hardest-hit areas of Virginia.
- Entergy has a crew of nearly 2,500 working to restore power. The company's estimated restoration times include: Arkansas – All customers should be restored late Saturday (April 30), except those in the Hot Springs area which will be restored Sunday (May 1). Mississippi – All customers should be restored late Saturday. The most isolated cases should be restored Sunday. Louisiana – All customers should be restored by late Saturday.
- AEP Southwestern Electric Power Company (SWEPCO), which serves Texas, Louisiana, and Arkansas, is reporting line crews and other personnel from SWEPCO's sister company in Oklahoma and outside companies -- approximately 165 people -- are aiding with the restoration effort. SWEPCO expects the majority of its customers will be restored by 10:00pm tonight (April 28). Some harder hit areas will be restored by Sunday (May 1).
- Pennsylvania's FirstEnergy (Penelec) expects all customers in their service territory to be restored by 6:00pm today (April 28).
- Alabama Power is reporting mutual assistance crews from as far as Illinois are helping with the restoration efforts. They have approximately 1500 crew members in the field working to restore power. Power has been restored to more than 80,000 customers since last night's (4/27) peak.
- Huntsville Utilities in Alabama stated today (April 28) that its customers could be without power for five days.
- TVA reported today (April 28) that 75 transmission lines are out of service. This includes all of the 500 kV lines serving North Alabama and Mississippi and most of the 161 kV lines serving the same area.