



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

Ohio Valley & Mid-Atlantic Summer Storm Situation Report # 10
July 5, 2012 (10:00 AM EDT)

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

Highlights:

- On the evening of Friday June 29, 2012 a severe thunderstorm system crossed the Eastern U.S. with heavy rain, hail, and winds reaching 80 mph. Over the weekend, additional storms impacted the affected areas.
As of 9:00 AM EDT today (July 5), 616,270 customers are without power in the affected regions. This is a decrease from the 1,038,614 customers reported in yesterday's Situation Report #9. Restoration estimates and efforts by electric utilities are reported below.

Electricity Outages by State

Table with 5 columns: Impacted State, Current Customer Outages, Percentage of Customers Without Power, Peak Outages Reported in DOE SitReps, Customers Restored Since Peak. Rows include Illinois, Indiana, Maryland, New Jersey, Ohio, Virginia, West Virginia, and a TOTAL row.

Note: States with fewer than 1,000 outages are not included in the table. 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 2010 EIA Customer Data.

ESF 12 Actions:

- ESF 12 is staffing the FEMA National Response Coordination Center (NRCC) in Washington, DC, the FEMA Region III Regional Response Coordination Center (RRCC) in Philadelphia, PA, and the West Virginia Emergency Operations Center (EOC).

Electricity Restoration Activities by State:

Maryland and Washington, DC:

- BGE reported today (July 5) it has restored power to 92 percent of its customers who were affected by the storm. The utility has 4,200 field and support forces engaged in the restoration effort, including workers from 15 States and Canada. The remaining repairs on the utility's system involve the more time intensive work to restore service to smaller pockets of customers. BGE continues expects restoration to continue into the weekend.

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- Pepco, servicing Washington DC and areas of Maryland, reported yesterday (July 4), 89 percent of its impacted customers have been restored; crews have restored power to 94 percent of its impacted DC customers and 88 percent of its customers affected in Maryland. In total, Pepco has 3,040 personnel working on the restoration effort; 870 power line personnel from out of state, 500 tree trimming personnel, 400 overhead line contractors, 145 internal Pepco and Delmarva line crew members, 70 internal underground and substation personnel, 275 customer call personnel and 780 personnel supporting the restoration effort in other roles. The global estimated time of restoration (ETR) remains 11:00 pm Friday (July 6).

Indiana

- Indiana Michigan Power (I&M) reported at 7:00 am July 5, crews have completed more than 94 percent of the power restoration in the Fort Wayne area/Allen County. Crews from Michigan, Illinois, Kentucky, West Virginia and Oklahoma are assisting with restoration of service.

Kentucky:

- As of 6:00 pm on yesterday (July 4), Kentucky Power reported 96 percent of customers affected by the storm had been restored. The utility reported a full restoration estimate of late today (July 5). More than 500 outside restoration workers are engaged in the restoration effort.

New Jersey:

- Atlantic City Electric reported yesterday (July 4), 85 percent of its customers without service have been restored. The company estimates the remaining customers without power will be restored by late Friday (July 6). The Company has 929 field personnel to work on these restoration efforts. This total includes 576 line contractors from New York and New Jersey, 39 contract assessment crews, and 314 tree-trimming personnel.

Ohio:

- As of 9:15 pm yesterday (July 4), AEP Ohio reported the majority of customers remaining without power are in the Columbus, Newark, and Athens service areas. The company has 5,000 personnel involved in the utility's restoration effort, including 2,500 external workers. The storm damaged more than 680 transmission structures, including 443 transmission structures in the Paulding, Van Wert, Ottawa, Findlay, Bucyrus and Upper Sandusky areas. The storm knocked out of service 128 transmissions circuits, primarily 69-kV and high-voltage 138-kV lines. Service to 306 substations was interrupted by damage to these lines. Service has been restored to 268 of the 306 interrupted substations. The company estimates to restore power to 90 percent of customers in all areas except for Wellston by midnight July 7. Customers in the Wellston area of Athens, OH may not have their power restored until July 10.
- Dayton Power & Light (DP&L) stated today (July 5) they will have power restored to all of their customers by tonight, pending no significant new storms. DP&L has 1,520 people from 9 States focused on restoring power.

West Virginia and Virginia

- AEP/Appalachian Power reported late yesterday (July 4) they are expecting an additional 750 workers to arrive to assist the 3,000 restoration personnel already in place. Updated damage assessments revealed more than 90 distribution substations were taken out by the storm and all but 13 are back in service. More than 370 circuit breakers were taken out of service due to the storm

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and all but 47 are back in service. More than 100 transmission lines were affected by Friday's storm and 80 percent of these lines have been either partially or completely been restored to distribution stations. At least 500 poles across Appalachian's territory were broken and needed replaced, and thousands of spans of wire were damaged. As of 5:30 pm July 4, AEP restoration estimates in Virginia and West Virginia are:

Virginia:

- Floyd, Smyth, Tazewell Counties - Thursday night (July 5)
- Bland, Carroll, Giles, Grayson, Montgomery, Pulaski and Wythe counties - Friday night (July 6)
- Albemarle, Amherst, Bedford, Botetourt, Campbell, City of Lynchburg, Franklin, Henry, Nelson, Patrick, Pittsylvania, Roanoke counties and City of Roanoke - Saturday night (July 7)

West Virginia:

- Greenbrier, McDowell, Mercer, Monroe, Putnam and Summers Counties - Friday night (July 6)
 - Boone, Cabell, Jackson, Lincoln, Logan, Mason, Mingo and Wayne Counties – Saturday night (July 7)
 - Clay, Kanawha, Fayette, Nicholas, Raleigh, Roane and Wyoming Counties – Sunday night (July 8).
- Dominion Virginia Power reported yesterday (July 4), they have restored power to over 95 percent of impacted customers. Restoration to customers in northern Virginia and the Richmond metro area is expected by late Friday (July 6). The utility continues to add additional workers and equipment as they become available and is focusing them on the hardest-hit locations; such as the Shenandoah Valley and Charlottesville areas, where restoration is expected to be virtually complete by Sunday (July 8). Dominion has more than 5,500 personnel including utility crews from 16 States and Canada working to restore service.
 - NOVEC, a cooperative servicing the northern Virginia area, reported today (July 5) it has restored service to all customers impacted by the storm.
 - First Energy, servicing portions of West Virginia through Mon Power and Potomac Edison, reported Tuesday (July 3) more than 5,700 linemen, hazard responders, forestry workers, call center management and support personnel are working to restore service to affected customers. This includes 4,300 employees from all 10 FirstEnergy utilities and 1,400 contractors and other utility employees. In West Virginia, helicopters are being used to assist in restoration of 67 transmission lines that were damaged as a result of the storm. The company's updated restoration estimates are:
 - Towns of Buckhannon, Big Otter, Clarksburg, Elkins, Elizabeth, Fairlea, Fairmont, Franklin, Gassaway, Glenville, Grafton, Harrisville, Hinton, Kingwood, Lewisburg, Marlinton, Parkersburg, Parsons, Sistersville, Spencer, Summersville, Webster Springs, and Weston - late today (July 5)
 - Towns of Burnsville, Cowen, Craigs ville, Ivydale, Mannington, Monongah, Richwood, and White Sulphur Springs – late Friday (July 6)
 - All other areas – late Sunday (July 8)