



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

Ohio Valley & Mid-Atlantic Summer Storm Situation Report # 9

July 4, 2012 (9:00 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 8:00 AM EDT today (July 4), 1,038,614 customers are without power in the affected regions. This is a decrease from the 1,370,727 customers reported in yesterday's Situation Report #8. 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 District of Columbia, Illinois, Indiana, Kentucky, 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 4) it has restored power to 85 percent of its customers who were affected by the storm. The utility has 4,000 personnel engaged in the restoration effort, including 1,300 out-



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of-state utility workers from 15 States and Canada. The remaining repairs on the utility's system involve the more time intensive work o restore service to smaller pockets of customers. BGE continues expects restoration to continue into the weekend.

- Pepco, servicing Washington DC and areas of Maryland, reported Tuesday (July 3), 75 percent of its impacted customers have been restored and additional crews arrived from Canada, Florida and Delaware. In total, the company has mobilized about 3,000 internal and external personnel for the restoration effort; 1,830 field restoration personnel, 340 personnel are mobilized to answer customer calls and about 830 are supporting the restoration effort in other roles. The global estimated time of restoration (ETR) is 11:00 pm Friday (July 6), which is when Pepco expects the vast majority of its customers to have power.

**Indiana**

- Indiana Michigan Power (I&M) reported at 7:00 am July 4, the majority of its outages remain in the greater Fort Wayne area. In Allen County, crews restored service to 77% of customers who had electric service interrupted. I&M estimates that more than 80% of all customers in Allen County will have electric service restored by late tonight (July 4). Crews from Michigan, Illinois, Kentucky, West Virginia and Oklahoma are assisting with restoration of service. The utility has the following restoration estimates:
  - Allen and Whitley Counties: 80 percent of all customers restored by late Wednesday (July 4) and restoration will continue through the weekend for conditions that affect small pockets of customers and individual properties.

**Kentucky:**

- As of 10:00 pm on Tuesday (July 3), Kentucky Power reported approximately 85 percent of customers affected by the storm had been restored. The utility reported a full restoration estimate of Friday (July 6), although most customers will have their electricity restored before that time. More than 500 outside restoration workers are engaged in the restoration effort. As of 10:00 pm EDT on Tuesday (July 3) the utility released the following updated restoration estimates:
  - Floyd, Magoffin, Rowan Counties: Wednesday (July 4)
  - Boyd, Carter, Greenup, Lawrence, Pike Counties: Thursday (July 5)
  - Martin County: Friday (July 6)

**New Jersey:**

- Atlantic City Electric reported yesterday (July 3) it is finalizing the restoration of the main transmission lines and will be working in the neighborhoods to restore outages associated with smaller groups and individual customers. Estimated time of full restoration remains 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. The company reported July 3

**Ohio:**

- As of 11:15 pm yesterday (July 3), AEP Ohio reports they have restored power to 64 percent of impacted customers. Further damage assessments reveal more than 128 transmission circuits, primarily 69 kV and 138 kV lines, were knocked out of service due to trees. Of the 128, 87 circuits have been restored. AEP Ohio has more than 5,000 internal and external resources working to restore service. The company estimates to restore power to 90 percent of the customers in all areas



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except for Wellston by midnight July 7. Customers in the Wellston area of Athens, OH may not have their power restored until July 10.

- First Energy reports most customers have been restored, except for the Springfield area which was given a restoration estimate Wednesday evening (July 4).
- **Dayton Power & Light (DP&L) stated today (July 4) they will be working on the outages with fewer than 10 customers. Assuming no more significant weather events, the company estimates all customers will be restored by Thursday night (July 5). DP&L has 1,520 people from 9 states focused on restoring power.**

### West Virginia and Virginia

- **AEP/Appalachian Power reported late yesterday (July 3) more than 2,900 workers - tree removal workers, damage assessment specialists, company line mechanics and outside line contractors - are dedicated to the restoration effort. The additional crews came from Ohio, Kentucky, Indiana and Michigan to join the restoration personnel that have traveled from Texas, Illinois, Iowa, Nebraska, South Dakota, Missouri, Alabama, Louisiana, Florida, Mississippi and Georgia. Damage assessments have revealed: more than 90 distribution substations were taken out by the storm, with 24 still out of service, more than 370 circuit breakers were taken out of service due to the storm, down to 60 as of last night. More than 100 transmission lines were affected by the storm and approximately 80 percent of these lines have been either partially or completely restored to distribution stations. AEP restoration estimates in Virginia and West Virginia are:**

#### **Virginia:**

- Buchanan, and Russell Counties - Wednesday night (July 4)
- Floyd, Smyth, Tazewell and Washington County - Thursday night (July 5)
- Bland, Carroll, Giles, Grayson, Montgomery, Pulaski and Wythe counties - Friday night (July 6)
- Albemarle, Amherst, Amherst, Bedford, Botetourt, Campbell, City of Lynchburg, Craig, Franklin, Henry, Nelson, Patrick, Pittsylvania and Roanoke counties - 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 today (July 4), they have restored power to nearly 90 percent of impacted customers. The company expects to restore service to 95 percent of impacted customers by late Thursday night (July 5). Restoration work in Southside Virginia and Gloucester should be completed by tonight (July 4). Significant progress also has been made in the Shenandoah Valley and Charlottesville areas, where damage was particularly severe and access is often difficult. Dominion is on track to complete restoration efforts in those areas by Sunday (July 8). Dominion has more than 5,400 employees and retirees, contractors and utility crews from 16 States and Canada working to restore service.**
  - **NOVEC, servicing the northern Virginia area, reported late yesterday (July 3) it has restored service to over 98 percent of customers impacted by the storm. NOVEC estimates all of its customers will return to service on July 4.**



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- First Energy, servicing portions of West Virginia through Mon Power and Potomac Edison, reported yesterday (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; 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:
  - Morgantown - mid-day Wednesday (July 4)
  - Berkley, Grant, Hampshire and Mineral Counties - late Thursday (July 5)
  - All other areas – late Thursday (July 5) through late Sunday (July 8).