



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

Ohio Valley & Mid-Atlantic Summer Storm Situation Report # 5
July 2, 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 2), 2,229,826 customers are without power in the affected regions. This is a decrease from the 2,564,118 customers reported in yesterday's Situation Report #4.
Mutual assistance workers from across the country and Canada have arrived or are scheduled to arrive to aid in the restoration efforts. Some areas are estimated to be resorted within one to three days but in some areas restoration is expected to continue throughout the week. 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, North Carolina, Ohio, Pennsylvania, 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, the FEMA Region V RRCC in Chicago, IL, and the West Virginia Emergency Operations Center (EOC).



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### Electricity Restoration Activities by State:

#### Maryland and Washington, DC:

- BGE reported as of 5:00 PM EDT July 1 that power has been restored to nearly 53 percent of its customers since Friday evening (June 29). More than 2,200 personnel are actively engaged in the restoration effort; 1,300 BGE personnel and 900 out-of-state utility workers are restoring power or are en route to central Maryland. These outside workers are coming from Canada (Quebec), New York, Connecticut, Pennsylvania, Georgia, Louisiana, Texas, Tennessee, Mississippi, Oklahoma, Michigan, Massachusetts, and Florida.
- Servicing Washington, DC and areas of Maryland, Pepco reported July 1 that at least 90 percent of customers will have power restored by Friday evening (July 6). On Wednesday (July 4), Pepco will update restoration estimates for outages they may go into the weekend. Utility workers have restored power to the utility's major electricity infrastructure with power to all high-voltage transmission lines and all substations having been restored. All water pumping plants and hospitals have been restored. The company has mobilized about 1,500 field personnel for the power restoration effort including about 580 power line personnel coming from Oklahoma, Georgia, Florida and Canada; about 440 tree trimming personnel; 300 overhead line contractors and 95 internal Pepco line crew members. In addition, at peak, about 225 personnel are answering customer calls and about 445 personnel are supporting the restoration effort in other roles. In total, about 2,100 personnel have been mobilized for the restoration effort.

#### Indiana

- Duke Energy Indiana estimated this morning (July 2) that approximately 95 percent of outages have been restored and the remaining customers impacted should have electric service restored by midnight Tuesday (July 3), specifically Jefferson and Knox counties.
- Indiana Michigan Power reported at 6:30 AM July 2, more than half of the customers that lost service as a result of Friday's storm have been restored. The majority of customers still without power are located in the greater Fort Wayne area. The storm caused damage or interrupted service for 138 (95%) of the 146 distribution circuits that serve the greater Fort Wayne area. Workers from Michigan, Illinois, Kentucky, West Virginia and Oklahoma are assisting with restoration of service. The utility released the following restoration estimates:
  - DeKalb, Whitley, Huntington, Wells and Adams Counties: Monday (July 2) night
  - Grant, Blackford, Jay, Madison, and Randolph Counties: late Monday (July 2) night
  - Delaware County (the greater Muncie area): Tuesday (July 3) evening - estimate for full restoration changed due to large number very small pockets and individual customers who must be restored. I&M expects to have the vast majority of customers in Muncie restored before Tuesday evening.
  - Allen County: late Wednesday (July 4) night.

#### Kentucky:

- As of 8:30 PM EDT on July 1, Kentucky Power reported they have restored service to approximately 70 percent of those customers originally impacted by the storm. The company estimates it may be Friday (July 6) before full restoration, although most customers will have their electricity restored before that. More than 380 outside restoration workers are, or will be, helping to restore power to customers. The utility released the following restoration estimates:



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- Boyd, Carter, Greenup, Lawrence, Rowan, Lewis Counties: Friday (July 6)
- Floyd, Martin, Pike, Knott, Counties: (90%) Noon, Thursday (July 5)

**New Jersey:**

- Atlantic City Electric reported July 1 they have restored power to major parts of the region's electricity infrastructure and power to many high-voltage transmission lines and substations have been restored. Mutual assistance utilities have committed crews from New York and Northern New Jersey to assist with restoring power. More than 180 workers including linemen, tree crews, call center staff and field support personnel were deployed on Saturday (June 30). An additional 400 resources were deployed at 6 a.m. Sunday to support restoration efforts. The utility reported it could take until midnight, Friday (July 6) before all customers are back in service, although the majority of customers are expected to have power restored by sometime on July 4.

**Ohio:**

- At 9:00 PM EDT on July 1, AEP Ohio reported damage continues to be assessed on-ground and via aerial patrol. AEP Ohio has more than 4,000 internal and external personnel committed to restoring power to the customers who remain without service from the storm. Restoration estimates on the utility's website range between midnight July 2 through midnight July 10 for those areas impacted. The latest damage assessment report shows that the storm damaged 240 transmission structures in the company's territory.
- First Energy reports most customers should be restored by Monday evening (July 2), except for the the Springfield area which has a restoration estimate of Tuesday evening (July 3).
- South Central Power reported at 8:30 AM July 2, restoration for its customers could last three to four more days as additional thunderstorms which came into its service territory last night. The cooperative has has has 78 line and tree crews working to restore power.
- Duke Energy Ohio stated yesterday (July 1) that it anticipates that 95 percent of customers will have service restored by midnight Monday July 2. Restoration to the remaining five percent should be completed by midnight Tuesday, July 3.
- Dayton Power & Light stated yesterday (July 1) that it expects 95 percent of customers to have power restored by Wednesday night, July 4.

**West Virginia and Virginia**

- AEP/Appalachian Power reported more than 2,000 workers - tree removal workers, damage assessment specialists, company line mechanics and outside line contractors - are dedicated to the restoration effort. Line workers are traveling from Missouri, Alabama, Louisiana, Florida, Mississippi and Georgia. A damage assessment reported more than 50 substations are out of service because of damage to the company's transmission system. As of 8:45 pm EDT July 1, AEP restoration estimates for its customers in Virginia and West Virginia are:

**Virginia:**

- Carroll, Grayson, Wythe and Bland counties - Friday night, July 6.
- Floyd County - Tuesday night, July 3.
- Giles, Montgomery, Pulaski counties - Wednesday night, July 4.
- Portions of Bedford, Franklin, Henry and Pittsylvania counties - Thursday night, July 5.
- Albemarle, Nelson and Patrick counties - Friday night, July 6.
- Amherst County, as well as portions of Bedford, Botetourt, Campbell Craig and Roanoke counties - Saturday night, July 7.



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### West Virginia:

- Lincoln County - Tuesday night, July 3.
- Wayne, County - Wednesday night, July 4.
- Fayette, Jackson, Logan, Mason, Mingo, Raleigh and Wyoming counties - Thursday night, July 5.
- Cabell, Kanawha, McDowell, Mercer, Putnam, Summers and Wayne counties - Friday night, July 6.
- Boone and Clay counties, as well as some remote portions of Kanawha County - Saturday night, July 7.
- Dominion Virginia Power reported as of 8:00 AM July 2, they expect to restore service to 80-85 percent of impacted customers by Tuesday night (July 3) 90-95 percent of affected customers by Thursday night (July 5), and virtually all remaining customers by Saturday night (July 7). Dominion has more than 3,000 employees, contractors and retirees working to restore service. Another 1,200 utility workers from 13 states and Canada have arrived or are on their way to assist.
- First Energy reported yesterday (July 1) 50 transmission lines were damaged by the storm and helicopters are being used to inspect the damage to those lines. The company's restoration estimates are:
  - Morgantown – midnight tonight (July 2)
  - All other areas – later this week