



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

Ohio Valley & Mid-Atlantic Summer Storm Situation Report # 6
July 2, 2012 (3:00 PM 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 2:00 PM EDT today (July 2), 2,205,019 customers are without power in the affected regions. This is a decrease from the 2,229,826 customers reported in today's Situation Report #5.
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 other 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 today (July 2) that it has more than 2,600 people actively engaged in the restoration effort: 1,400 BGE personnel and 1,200 out-of-state utility workers involved in restoring power or are en route to central Maryland. These outside crews are coming from Canada (Quebec), New York, Connecticut, Pennsylvania, Georgia, Louisiana, Texas, Tennessee, Mississippi, Oklahoma, Michigan, Massachusetts, and Florida. BGE expects restoration to continue into the weekend.
- Pepco, servicing Washington DC and areas of Maryland, reported July 2 that an additional 365 mutual assistance personnel are now involved in the restoration activities and the company is receiving an additional 350 field personnel today and tomorrow (July 3) along with additional damage assessment teams. The company reported 265 personnel are mobilized to answer customer calls and 445 personnel are supporting the restoration effort in other roles. In total, Pepco has mobilized about 2,700 internal and external personnel for the restoration effort. The global estimated time of restoration (ETR) is 11 PM Friday (July 6), which is when Pepco expects the vast majority of its customers to have power.

Indiana

- Duke Energy Indiana reported as of noon today (July 2) all outages from Friday's storms have been resolved and any current outages within the system are unrelated.
- Indiana Michigan Power reported at 10:00 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. Crews from Michigan, Illinois, Kentucky, West Virginia and Oklahoma are assisting with restoration of service. The utility released the following updated restoration estimates:
 - DeKalb, Adams, Wells and Huntington Counties: late Monday (July 2) night
 - Delaware, Grant, Blackford, Jay, Madison, and Randolph Counties: Tuesday (July 3) evening
 - 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 am EDT on July 2, Kentucky Power estimated it may be Friday (July 6) or possibly Saturday (July 7) before full restoration is completed, although most customers will have their electricity restored before that time. More than 380 outside restoration workers are, or will be, helping to restore power to customers. The utility released the following updated restoration estimates:
 - Breathitt, Jonson, Letcher, Perry Counties: Noon, Tuesday (July 3)
 - Boyd, Carter, Greenup, Lawrence, Rowan, Lewis Counties: Friday (July 6)
 - Floyd, Martin, Pike, Knott, Counties: Friday (July 6)



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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 10:00 AM EDT on July 2, AEP Ohio reported 4,040 internal and external personnel are working to restoring power in the company's service area. Restoration estimates range between midnight July 2 through midnight July 10 for those areas impacted. The latest damage assessment report has the number of reports of wires down and other hazards across the AEP Ohio system at 10,000 incidents, even after 2,000 incidents were cleared on Sunday (July 1).
- First Energy reports most customers should be restored by Monday evening (July 2), except for the Springfield area which has a restoration estimate of Tuesday evening (July 3), with full restoration expected by Wednesday night (July 4).
- 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 today (July 2) that it expects 95 percent of the customers impacted by Friday afternoon's storm will be restored by Wednesday (July 4) night. DP&L expect that smaller, localized outages will be restored by Friday (July 6). DP&L has 1,000 personnel from 9 states focused on restoring power.

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 Texas, Illinois, Iowa, Nebraska, South Dakota, 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 12:30 pm EDT July 2, AEP restoration estimates in Virginia and West Virginia are:

Virginia:

- Dickenson, Smyth, Washington Counties - Tuesday night (July 3)
- Buchanan, Russell Counties - Wednesday night (July 4)
- Tazewell County - Thursday night (July 5)
- Bland, Carroll, Floyd, Giles, Grayson, Montgomery, Pulaski and Wythe counties - Friday night (July 6)
- Albermarle, Amherst, Bedford, Botetourt, Campbell, Craig, Franklin, Henry, Nelson, Patrick, Pittsylvania and Roanoke counties - Saturday night (July 7)

West Virginia:

- Lincoln County - Tuesday night (July 3)
- Wayne, County - Wednesday night, (July 4)
- Jackson, Mason, Mingo Counties - Thursday night (July 5)



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- Cabell, McDowell, Mercer, Putnam, Summers Counties - Friday night (July 6)
- Boone, Logan, Mingo Counties – Saturday night (July 7)
- Clay, Kanawha, Fayette, Raleigh, and Wyoming Counties – Sunday night (July 8).
- Dominion Virginia Power reported at 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.
- NOVEC, servicing the northern Virginia area, reported July 2 it has restored service to over 80 percent of customers impacted by the storm. The cooperative's remaining restoration work is on repairs that bring power back to only a small number of customers at once.
- First Energy, servicing portions of West Virginia, 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