



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

Ohio Valley & Mid-Atlantic Summer Storm Situation Report # 4

July 1, 2012 (3:00 PM EDT)

http://www.oe.netl.doe.gov/emergency\_sit\_rpt.aspx

Highlights:

- On the evening of June 29, 2012 a severe thunderstorm system crossed the Eastern U.S. with heavy rain, hail, and winds reaching 80 mph.
As of 2:00 PM EDT today (July 1), 2,564,118 customers are without power in the affected areas. This is a decrease from the 2,804,194 customers reported this morning in Situation Report #3. Note that the number of Ohio customer outages increased due to the inclusion of cooperative and municipality outage numbers not available in previous Situation Reports.
Utilities throughout the affected area are continuing to assess damage. Major damage has occurred to components of the electric distribution network. Utilities are focusing initial restoration on public safety facilities, water treatment and pumping facilities, and repairs which bring power back to the largest number of customers. Most power is expected to be restored in the next one to three days. Restoration is expected to take over a week in a few areas. Mutual assistance crews from throughout the Eastern U.S. and Midwest are en route or already aiding in the repairs. 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 Delaware, 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.



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### 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).

### Electricity Restoration Activities by State:

#### Maryland and Washington, DC:

- BGE reported today (July 1) that they anticipate restoration activities to extend deep into the week of July 1. The utility's crews continue to assess the damage to the system while working to restore power to the company's 33kV feeder network, which provides the backbone for BGE's electric distribution network, as well as public safety facilities and water treatment and pumping facilities. The utility has 1,300 of its own personnel working on the restoration and has 750 workers en route to assist. These outside crews are coming from Florida, Mississippi, Michigan, Massachusetts, Tennessee and Pennsylvania, and some will arrive today with the majority arriving tomorrow.
- **Servicing Washington, DC and areas of Maryland, Pepco reported today (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 that 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 estimates that its customers in New Castle, Huntington, and Wabash will have power restored by 3:00 pm July 1, and customers in Rochester and Kokomo will be restored by 5:00 pm July 1.
- Indiana Michigan Power stated at 11:00 am EDT July 1, over 200 additional workers from eastern Michigan, southern Illinois, Kentucky, West Virginia and Oklahoma are coming to assist with the restoration. The utility released the following restoration estimates:
  - St. Joseph County: Sunday (July 1) night
  - DeKalb, Noble, Whitley, Huntington, Wells and Adams Counties: Monday (July 2) afternoon
  - Grant, Blackford, Jay, Madison, Delaware and Randolph Counties: Monday (July 2) night
  - Allen County: Wednesday (July 4) night

#### Kentucky:

- As of 10:00 am EDT on July 1, Kentucky Power estimates that it may be until Friday (July 6) before the last customer is restored, although most customers will have their electricity restored before that time. The storm caused damage to distribution lines, cross arms, and other electrical equipment in the utility's service area. Over 230 outside workers are being brought in to assist with the restoration process.



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**Ohio:**

- AEP Ohio reports restoration will be five to seven days from the initial event Friday. The latest assessment report shows that 426 distribution circuits out were out of service from the storm. Crews have restored 126 of those to service. Of the 300 circuits still out, 81 are related to transmission line outages. The utility has recorded 9,000 reports of wires down and other hazards across the AEP Ohio service territory.
- First Energy reports most customers should be restored by Monday evening (July 2).
- Duke Energy Ohio stated today (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 1) that it expects 95 percent of customers to have power restored by Wednesday night, July 4.
- South Central Power has 75 line and tree crews working to restore power. It anticipates full restoration could take 3 to 5 days.

**West Virginia and Virginia**

- AEP reports 60-70 transmission lines were damaged and 50 substations remain without service across its service territory in West Virginia and Virginia. AEP has over 1,500 workers supporting the restoration. As of 12:15 pm EDT July 1, AEP restoration estimates for its customers in Virginia and West Virginia are:

**Virginia:**

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

**West Virginia:**

- Tuesday night, July 3 - Lincoln County
  - Wednesday night, July 4 - Wayne, County
  - Thursday night, July 5 - Fayette, Jackson, Logan, Mason, Mingo, Raleigh and Wyoming counties
  - Friday night, July 6 - Cabell, Kanawha, McDowell, Mercer, Putnam, Summers and Wayne counties
  - Saturday night, July 7 - Boone and Clay counties, as well as some remote portions of Kanawha County.
- Dominion Power reports that 9 of 10 affected electric transmission lines have been returned to service. The utility has 2,900 workers working to restore service. Dominion is expecting the restoration effort will be a multi-day activity.
  - First Energy reports in the hardest-hit areas of West Virginia, the storm damaged more than 50 transmission lines and 70 substations. The damage assessment process is ongoing, with helicopters being used to patrol downed transmission lines. The company is working to secure additional crews, linemen, and electrical contractors and tree contractors.