



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

Hurricane Irene Situation Report #14
September 2, 2011 (10:00 AM EDT)

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

Highlights:

- Hurricane Irene made landfall on Puerto Rico as a Category 1 hurricane on Monday August 22 and landfall near Cape Lookout, NC as a Category 1 hurricane at 8:00 am EDT August 27.
In response to Irene the following States declared a State of Emergency: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, Vermont, and Virginia.

Electricity Information:

Electricity Outages by State

Table with 5 columns: Impacted State, Current Customer Outages, % of State Customers Without Power, Peak Outages Reported in DOE SitRep(s), Customers Restored Since Peak. Rows include Connecticut, Maine, Maryland, Massachusetts, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, Virginia, and a TOTAL row.

Note:

States with less 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 2009 EIA Customer Data.

- As of 8:00 am EDT September 2, the impacted States report a total of 580,199 customers without power. This is a decrease from the 980,760 reported as of 1:00 pm EDT September 1 in Situation Report #13. Restoration estimates and efforts by electric utilities are reported below.



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Petroleum & Natural Gas Information:

- All pipelines in the Northeast impacted by Irene have begun operating at normal or near normal operations.

Table with 8 columns: Type, Name, Start, Terminus, Capacity (barrels/day), Shut Down, Reduced Rates, Operating. Rows include Colonial, KinderMorgan/Plantation, Enterprise Products Partners (TEPPCO), Enterprise Products Partners (Dixie), Buckeye Eastern Products System, and Portland Pipe Line.

A = Portland-Montreal 24" resumed near normal operations August 31.

- The current status of terminals reporting as shut down is summarized in the following table.

Table with 4 columns: Company Name, Location, Shut Down Date, Restart Date. Rows include ConocoPhillips (Linden, NJ), ConocoPhillips (Chelsea, MA), ConocoPhillips (Tembley Pt/Linden, NJ), Enterprise Products Partners (TEPPCO) (Providence, RI), ExxonMobil (Providence, RI), and Motiva Enterprises (Richmond, VA).

Est. = estimated, exp. = expected

Sources: Confirmed by company or on company web site. Various trade press sources.

Electricity Restoration Activities by State:

Connecticut:



- Connecticut Light & Power (CL&P) estimates that the most impacted towns may not see restoration until September 7, but most towns should see restoration before that time. CL&P has put up a detailed restoration estimate by town on their website. The utility has 1,280 line and tree crews assisting with the power restoration. These crews are from Canada, Florida, Ohio, Kentucky, Pennsylvania, Tennessee, the Carolinas, Alabama, Michigan, and Massachusetts.
The United Illuminating Company (UI) reported yesterday (August 31) that it estimates it will restore power to 94 percent of the affected customers by the weekend. UI has crews in from Florida, Missouri, North Carolina, Wisconsin, and Indiana and in total there are 240 crews working.



## Maine:



- Central Maine Power Company (CMP) reported last night (September 1) the company has restored power to more than 99 percent of customers since the outages peaked at nearly 187,000 customer accounts Sunday (August 28). CMP continues to estimate all customers will be restored by late tonight (September 2). The company has 1,400 people still working to get service restored.

## Maryland:



- Baltimore Gas and Electric Company (BGE) reported that restoration efforts are beginning to focus on smaller groups of customers and individual customers now that most of the electric system's large feeders, which supply power to smaller feeders, have been repaired. The utility continues to report that it is on pace to restore electric service for all of its customers by late today (September 2), with some scattered outages extending into Saturday (September 3). BGE has more than 5,000 employees, contractors, and out-of-state linemen working on restoration today (August 31).
- Pepco, serving D.C. and Maryland, reported yesterday (September 1) that they have restored power to all customers impacted by Hurricane Irene.

## Massachusetts:



- NSTAR estimates that all customers will be restored by 10:00 PM tonight (September 2). A list of expected restoration times by community is posted on their website.
- National Grid continues to estimate most customers will be restored today (September 2) with full restoration to all communities by Saturday (September 3). A detailed county listing with estimated restoration times is posted on their website. The company has over 4,550 personnel, including crews from Wisconsin and Tennessee assisting in the restoration

## New Jersey:



- PSEG reports most customers will have their power restored by tonight (September 1) with restoration for all customers in Union, Middlesex and Somerset Counties is expected by Sunday (September 4).
- Jersey Central Power & Light reports the majority of the remaining customers should be restored by the weekend, with full restoration by early next week.
- O&R reports most of its remaining customers will be restored by Friday (September 2) at midnight with the remaining restored over the weekend.



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**New York:**



- Long Island Power and Light expects 90% of its customers to be restored by tonight (September 2) at midnight. Currently 2,655 line/tree crews working are working to restore power. The hardest hit areas are the northern parts of the Towns of Oyster Bay, Huntington, Smithtown, Brookhaven and the South Fork..
- New York Service Gas and Electric (NYSEG) expects the majority of its remaining customers to have power restored by this weekend indicating some areas in Oneonta may not be restored until Wednesday (September 7) due to restricted access.
- O&R reports most of its remaining customers will be restored by Friday (September 2) at midnight with the remaining restored over the weekend. More than 180 O&R, contractor and mutual aid crews from as far as Michigan and Texas are assessing damage and conducting system repairs.
- National Grid reports today (September 2) that power has been restored to 99 percent of its customers.
- Con Edison, serving New York City and surrounding area, expects all customers affected by Irene to be restored tonight (September 2).
- Central Hudson Gas and Electric Corporation reported yesterday (September 1) that they expect the vast majority of remaining customers without power to be restored by Sunday (September 4). Some customers in areas where flooding has completely washed away poles and roads may be weeks away from full recovery. The company has outside crews from Kansas, Oklahoma, Florida, and Washington, D.C. working with its own crews on the restoration efforts.

**North Carolina:**



- Dominion Virginia Power stated that they are on track to restore 90-95 percent by Friday (September 2) with all remaining customers restored by Saturday night (September 3).

**Pennsylvania:**



- Met-Ed continues to estimate that the majority of their customers should be restored by late Sunday (September 4).
- Pike County Power reports that the remaining customers out are located predominantly in the Matamoras area. The utility estimates that restoration will be completed by today (September 2) evening or Saturday (September 3) morning, depending on further damage assessments.
- PECO, serving southeastern Pennsylvania, reports that more than 4,000 workers are working on restoration, and expects service for a small number of customers with more extensive damage to be restored by the weekend.
- UGI Electric continues to report that due to the extent of the damage, customers should be prepared to be without power for an extended period, possibly into early next week in the most difficult-to-reach areas.



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**Rhode Island:**



- National Grid reported that it estimates most customers will be restored Friday (September 2) with full restoration to all communities by Sunday (September 3). A detailed county listing with estimated restoration times is posted on their website. The company has over 4,550 personnel, including crews from Wisconsin and Tennessee assisting in the restoration.

**Virginia:**



- Dominion Virginia Power stated that they are on track to restore 90-95 percent by Friday (September 2) with all remaining customers restored by Saturday night (September 3).

**ESF 12 Actions:**

- ESF 12 is staffing the FEMA National Response Coordination Center (NRCC) in Washington, DC, the Region I Regional Response Coordination Center (RRCC) in Boston, MA, and the Region II RRCC in New York, NY.