



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

Hurricane Irene Situation Report #13

September 1, 2011 (3:00 PM 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, Vermont, 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 1:00 pm EDT September 1, the impacted States report a total of 980,760 customers without power. This is a decrease from the 1,110,587 reported as of 8:00 am EDT August 31 in Situation Report #12. Restoration estimates and efforts by electric utilities are reported below.



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Petroleum & Natural Gas Information:

- The current status of pipeline operations in the Northeast is summarized in the following table.

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, Enterprise Products Partners (TEPPCO), ExxonMobil, and Motiva Enterprises.

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 it will restore power to customers in Cheshire and Torrington by midnight tonight (September 1), Hartford, Simsbury, and Tolland by midnight Friday (September 2), Falls Village, Greenwich, New Milford, and Stamford by midnight Saturday (September 3), Norwalk by midnight September 6, and Newtown by midnight September 7. CL&P stated today (September 1) they have 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 (August 31) that it has 160 tree crews and 285 repair crews including crews from northern Maine, New Hampshire, Vermont, Nova Scotia, and New Brunswick. **The company will be moving crews into communities in York and Cumberland counties as the restoration wraps up in other areas.**

Maryland:



- Pepco, serving D.C. and Maryland, reported last night (August 31) that they have restored power to almost all customers impacted by Hurricane Irene. The company will continue to dispatch 1,400 line restoration workers to localized outage areas in parts of Maryland where large trees caused most of the damage to the electrical equipment.
- **Baltimore Gas and Electric Company (BGE) reported this morning (September 1) that it is on pace to restore electric service for all of its customers by late tomorrow (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).

Massachusetts:



- **NSTAR estimates that all customers will be restored by noon pm Saturday (September 3).** A list of expected restoration times by community is posted on their website.
- **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**
- Western Massachusetts Electric Company (WMECo) has completed restoration to all of its customers affected by Irene.

New Jersey:



- Atlantic City Electric continues to expect full restoration to all of its customers affected by Hurricane Irene by midnight tonight (September 1).
- Public Service Electric & Gas (PSE&G) continues to anticipate complete restoration of customers in Bergen, Hudson, Essex, Passaic, Burlington, Camden, Gloucester and Mercer counties by Friday (September 2). In the central NJ counties of Union, Middlesex, and Somerset affected by flooding PSE&G expects to restore service to all customers by Sunday (September 4). PSE&G has 6,000 employees supporting the restoration effort, including including crews from Wisconsin, West Virginia, Florida, Missouri, Ohio, Pennsylvania, and Tennessee.
- Jersey Central Power and Light (JCP&L) continues to estimate that the majority of their customers will be restored by the weekend with full restoration by early next week.

William N. Bryan | Deputy Assistant Secretary | ISER | Department of Energy | (W) 202-586-7517 (C) 202-657-1334



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- Orange & Rockland (O&R) continues to report that most customers should be restored by by midnight Friday (September 2), 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.

New York:



- National Grid continues to anticipate full restoration to customers who are not affected by severe flooding and travel restrictions by midnight tonight (September 1). **The company has over 4,550 personnel, including crews from Wisconsin and Tennessee assisting in the restoration.**
- Orange & Rockland (O&R) continues to report that most customers should be restored by by midnight Friday (September 2), 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.
- Con Edison, serving New York City and surrounding area, expects Westchester customers to be restored by late tonight (September 1). The company stated that all its New York City customers were restored as of yesterday (August 31). Con Edison has utility crews from Louisiana, Texas, Colorado, Kansas, Mississippi, Michigan, Illinois, and Wisconsin assisting in the restoration efforts.
- Long Island Power Authority (LIPA) reported 90 percent restoration is expected by midnight Friday (September 2). **LIPA has increased its manpower, sending out 1,463 high voltage linemen, 909 tree crews and 274 low voltage workers, an increase of 85 HV and 101 tree crews from yesterday (August 31).** LIPA has 3,000 line crews and tree trimmers in what is one of the largest contingencies of restoration crews in the company's history.
- New York Service Gas and Electric (NYSEG) estimates that it will restore service to all of its customers, except those in the Brewster Oneonta Division, by midnight Saturday (September 3). In the Brewster and Oneonta Division, 75 percent of the customers who didn't have power on August 30 are expected to have service restored by Friday (September 2), the remaining customers a projected to be restored by September 7.
- Central Hudson Gas and Electric Corporation reports that most of their outages are in the hardest-hit counties of Ulster, Albany and Greene, where restoration work has been hampered by severe flooding, impassable roadways and infrastructure destruction. The company estimates the majority of the customers in Columbia, Dutchess, Orange, and Putnam counties would be restored by yesterday (August 31), while customers in Ulster, Albany, and Greene counties can expect to be restored by Sunday (September 4).

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).
- Progress Energy reported last night (August 31) that they have restored power to 98 percent of affected customers.



Pennsylvania:



- Penelec stated they completed restoration efforts for the majority customers yesterday (August 31).
- **Met-Ed estimates 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 Friday (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 reported August 31 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. UGI has 15 crews made up of more than 100 field team members plus additional support staff working on restoring power to affected communities.

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**

Vermont:



- Central Vermont Public Service (CVPS) reported that as of August 31 the utility had restored over 85 percent of its customer. CVPS continues to report that complete restoration could take weeks due to areas being inaccessible. In areas that crews can get to, restoration would likely take days. The company has over 600 crews from as far away as Illinois, Missouri, Texas, and Ontario assisting CVPS's crews.

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. EOC) and are coordinating restoration activities with the States of Connecticut and Rhode Island. **ESF 12 has demobilized from the Maryland Emergency Operations Center.**