



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

**Hurricane Sandy-Nor'easter Situation Report #2**

**November 8, 2012 (10:00 AM EST)**

[http://www.oe.netl.doe.gov/emergency\\_sit\\_rpt.aspx](http://www.oe.netl.doe.gov/emergency_sit_rpt.aspx)

**Highlights:**

- Beginning November 7<sup>th</sup>, a Nor'easter impacted the Mid-Atlantic and Northeast with strong winds, rain or snow, and coastal flooding. At 8:00 pm EDT October 29, the National Hurricane Center reported Sandy made landfall near Atlantic City, NJ as a post tropical cyclone.
- As of 9:00 am EST November 8, there are 715,205 customers without power in the affected States impacted by Hurricane Sandy and the Nor'easter. This is an increase of 42,633 customers reported from yesterday's 3:00 pm Situation Report #1. The increase reflects customers who have lost power due to the Nor'easter. The combined total peak customer outages from Hurricane Sandy and the Nor'easter (reported in the Situation Reports) is 8,603,670: 8,511,251 from Hurricane Sandy and 92,419 from the Nor'easter Storm, respectively
- Restoration estimates and efforts by electric utilities are reported below.

**Summary**

**Electric Outages by State**

Impacted State	Current Customer Outages	Percentage of Customers Without Power	Peak Outages Attributed to Hurricane Sandy	Peak Outages Attributed to Nor'easter	Total Customers Restored Since Peak for Both Storms
Connecticut	1,149	< 1%	626,559	9,042	634,452
Massachusetts	11,595	< 1%	298,072	11,595	298,072
New Jersey	396,777	10%	2,615,291	22,083	2,240,597
New York	285,354	4%	2,097,933	45,028	1,857,607
Rhode Island	4,671	< 1%	116,592	4,671	116,592
West Virginia	15,659	2%	271,765	0	256,106
<b>TOTAL:</b>	<b>715,205</b>				

**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. Customer outages are representative of specific Situation Report reference dates and times.

**Sources:** Outages obtained from company web sites and DOE communications. Total State customers are based on 2011 EIA Customer Data.

- Yesterday (November 7) the Energy Information Administration (EIA) updated its report on the Retail Motor Gasoline Supply in the New York City Metropolitan Area. Based on an emergency survey of gasoline availability, EIA estimates that 38 percent of gas stations in the New York metropolitan area do not have gasoline available for sale. In reviewing results over the last few days, EIA has developed a better interpretation of the survey information coming from its sample, resulting in a need to revise its November 6 estimate from 24 percent up to 34 percent of stations without gasoline available. The full results and the methodology can be found at: [http://www.eia.gov/special/disruptions/hurricane/sandy/gasoline\\_updates.cfm](http://www.eia.gov/special/disruptions/hurricane/sandy/gasoline_updates.cfm)



## ESF 12 Actions:

- ESF 12 is staffing the FEMA National Response Coordination Center (NRCC) in Washington, DC; the FEMA Region II Regional Response Coordination Center (RRCC) in Colts Neck, NJ, the FEMA Interim Operation Facility in Hartford, CT, New Jersey State EOC in West Trenton, NJ, and the New York State EOC in Albany, NY.

## Petroleum & Natural Gas Information:

### Refineries

- A list of refineries impacted by Hurricane Sandy is presented in the table below.

Refineries in the Path of Sandy as of 8:00 am EST 11/8/12						
Refinery	Location	Capacity (B/D)				
		Operating Capacity*	Shut Down	Restarting	Reduced Runs	Normal
Hess*	Port Reading, NJ	70,000	X			
Monroe Energy	Trainer, PA	185,000				X
PBF	Delaware City, DE	182,200				X
PBF	Paulsboro, NJ	160,000				X
Philadelphia Energy Solutions (Sunoco)	Philadelphia, PA	335,000				X
Phillips 66	Linden, NJ	238,000	X			
<b>TOTAL</b>		<b>1,170,200</b>	<b>308,000</b>	<b>0</b>	<b>0</b>	<b>862,200</b>

**Note:** The table does not include asphalt refineries or facilities already closed in prior years.

\*The Hess Port Reading, NJ facility does not process crude, but processes gas oils to produce petroleum products.

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

### Petroleum Terminals

- A total of 57 terminals in the path of Hurricane Sandy have reported on their status in the aftermath of the storm. **As of 8:00 am today (November 8), reports indicate that 49 terminals are open and 8 terminals are shut.** The tables below lists terminals that remain shut or that have recently re-opened.

Status of Petroleum Terminals as of 8:00 am EST 11/8/12				
Company	City	State	Status	Date Stamp
Hess	Bayonne	NJ	Shut	11/3/12
CITGO	Linden	NJ	Shut	11/5/12
Hess	Newark	NJ	Shut	11/2/12
Motiva	Newark	NJ	Shut	10/31/12
Motiva	Sewaren	NJ	Shut	10/31/12
Phillips 66	Tremley Point	NJ	Shut	11/3/12
Motiva	Brooklyn	NY	Shut	10/31/12
Motiva	Long Island	NY	Shut	10/31/12

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



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

## Electric Restoration Information

### Connecticut

- Connecticut Light and Power (CL&P) stated today (November 7) that they have **thousands of workers responding to outages caused by the snows from the Nor'easter.**
- United Illuminating (UI) announced yesterday that their storm includes a number of outside contractors and personnel who UI has kept in case of additional outages from the Nor'easter.

### Massachusetts

- **National Grid announced today (November 8) that they have assembled 500 crews that are ready to respond to any infrastructure damage in association with the Nor'easter.**
- NSTAR reported Tuesday (November 6) that its crews that had been working in Connecticut to help restore power to customers of its sister utility Connecticut Light & Power returned home Tuesday, prior to the arrival of the impending severe weather.
- Western Massachusetts Electric Cooperative (WMECo) announced Tuesday (November 6) that its crews that had been working in Connecticut to help restore power to customers of its sister utility Connecticut Light & Power returned home Tuesday, prior to the arrival of the impending severe weather.

### New Jersey

- The State of New Jersey released power restoration plans from Public Service Electric and Gas, Jersey Central Power and Light, Atlantic City Electric, and Orange & Rockland. The restoration plans are updated daily and can be found in the "Information Sources" section at: [http://www.state.nj.us/nj/home/features/spotlight/hurricane\\_sandy.shtml](http://www.state.nj.us/nj/home/features/spotlight/hurricane_sandy.shtml).
- **Public Service Electric and Gas (PSE&G) reported today (November 8) that, despite the Nor'easter, the 4,000 out-of-state workers and 700 PSE&G technicians have continued their restoration work.** PSE&G stated that they have one substation left out of service (in Bayonne) and are working to put it back in service yesterday (November 7). There are more than 100 out-of-state substation experts who traveled here from around the nation to help with these efforts.
- **Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania estimated today (November 8) that they will have almost all of the remaining three percent of customers affected by the hurricane back in service by Saturday (November 10).** The company will continue to restore power to those scattered isolated areas remaining without power in to next week **In New Jersey; outages are concentrated in Bergen and Passaic counties. O&R team totals over 3,500 workers, including 1,000 employees and 2,500 contract personnel and is working to restore power to those customers who were affected by Sandy and the Nor'easter.**
- **Jersey Central Power & Light (JCP&L) reported yesterday (November 7) that the majority of customers will be restored by Saturday (November 10).** There may be isolated pockets of customers located in inaccessible areas or who have individual flooding or downed line issues that will take longer. Most of the customers who remain without power live in Morris, Monmouth and Ocean counties. The company also stated that many customers along barrier islands and coastal towns of Monmouth and Ocean counties cannot be completely restored because of severe damage to homes, business, roads, and infrastructure. **JCP&L's team is made up of more than 9,700 professionals, including 4,800 linemen and 1,500 forestry workers.**



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

## New York

- Con Edison reported today (November 8) that the Nor'easter yesterday (November 7) knocked out electricity to approximately 55,000 customers in New York City and Westchester County. The new storm temporarily delayed Con Edison's customer restorations. Crews repairing overhead equipment cannot work safely in high winds. The utility is working with the New York City Buildings Department to expedite the restoration of about 30,000 customers in Staten Island, Brooklyn and Queens whose electrical equipment was damaged by flooding and cannot be safely re-energized without repairs and an inspection by an electrician. More than 3,000 utility workers from as far away as California are working in New York City and Westchester County to assist in restoration efforts.
- Long Island Power Authority (LIPA) reported today (November 8) that the Nor'easter will delay their restoration efforts. LIPA stated that they have restored 43 of the 50 substations that were out of power. Over 12,000 restoration workers, including 8,000 linemen and tree workers from throughout the country, are working to restore power. LIPA has deployed restoration crews to begin construction to build a bypass system to get transmission to the Rockaway Beach substation. The company is working together with National Grid on the restoration of the Rockaway Peninsula in Queens. A taskforce consisting of LIPA, National Grid, and the New York City Office of Emergency Management is making door-to-door inspections to determine which homes and business in Rockaway are structurally safe and fit to accept power safely. The inspections are being done with the help of local electricians and plumbers. LIPA is also working with local authorities in Nassau and Suffolk Counties to make sure it is safe to restore power where water damaged electrical panels, wires, outlets, and appliances in homes and business. In areas that were flooded along the south shore, south of Atlantic Avenue, Merrick Road, and Montauk Highway, teams of inspectors are conducting assessments of homes and business. The assessments are at no cost to the homeowner or business and are to determine whether electric service can be safely restored or if repairs will first be required.
- New York State Electric and Gas (NYSEG) reported last night (November 7) that the Nor'easter had already caused additional power interruptions in NYSEG's Brewster Division that includes parts of Westchester, Putnam and Dutchess counties. The storm is likely to continue to cause power problems, particularly where trees may have been weakened by Hurricane. Resources are in place and materials are on hand to address new storm damage and resulting power interruptions. Their restoration team has 3,500 front line and support personnel and includes more than 650 line and tree crews from as far away as British Columbia, Nova Scotia, Missouri, North Carolina, Texas and Minnesota are on the job. NYSEG has replaced 1,018 of the 1,023 poles broken in its downstate service area.
- Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania estimated today (November 8) that they will have almost all of the remaining three percent of customers affected by the hurricane back in service by Saturday (November 10). In New York, outages are concentrated in Rockland and Orange counties with smaller numbers in Sullivan County. O&R team totals over 3,500 workers, including 1,000 employees and 2,500 contract personnel and is working to restore power to those customers who were affected by Sandy and the Nor'easter.

## Rhode Island

- National Grid announced today (November 8) that they are prepared and have over 500 crews on standby to respond to the Nor'easter.



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

### West Virginia

- Appalachian Power reported yesterday (November 7) that they have restored service to all customers affected by Hurricane Sandy.
- Mon Power, a First Energy Corp. subsidiary, reported today (November 8) that, in West Virginia, damage caused by high winds and deep snow has hindered the restoration process in the higher elevations. The majority of the remaining affected customers are expected to be restored by midnight tomorrow (November 9). Restoration for customers in the most heavily damaged areas, including parts of Barbour, Braxton, Clay, Nicholas, Preston, Randolph, Tucker, Upshur and Webster counties, may continue into the weekend. Approximately 700 miles of the more than 900 miles of transmission lines damaged by the storm have been restored. More than 2,700 Mon Power employees, contractors and outside utility crew members – including 300 linemen from American Electric Power who arrived Monday (November 5) – are working to restore power to the customers who remain without service.