



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

Hurricane Sandy-Nor'easter Situation Report #1
November 7, 2012 (3:00 PM EST)

http://www.oe.netl.doe.gov/emergency_sit_rpt.aspx

Highlights:

- On November 7th, a Nor'easter began to impact 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 2:00 pm EST November 7, there are 672,572 customers without power in the affected States. This is an increase of 22,156 customer reported this morning at 10:00 AM EST. The increase reflects customers who have lost power due to the Nor'easter. Due to the new outages, the "Peak Outages" or "Customers Restored" columns have been removed from the outage table. 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
Connecticut	9,042	< 1%
Massachusetts	1,958	< 1%
New Jersey	374,694	9%
New York	261,593	3%
Pennsylvania	3,945	< 1%
Rhode Island	1,770	< 1%
West Virginia	19,570	2%
TOTAL:	672,572	

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 6) the Energy Information Administration (EIA) updated its report on the Retail Motor Gasoline Supply in the New York City Metropolitan Area. EIA estimated, based on an emergency survey of gasoline availability, that 24 percent of gas stations in the New York Metropolitan area do not have gasoline available for sale. The estimate from yesterday is the same as the estimate on November 5th. The full results and the methodology can be found at: http://www.eia.gov/special/disruptions/hurricane/sandy/gasoline_updates.cfm.
- Electric utilities who are working to complete the restoration to customers impacted by Sandy have stated that the forecast high winds and flooding may slow or temporarily stop restoration activities.



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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 1:00 pm EST 11/7/12						
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			
TOTAL		1,170,200	308,000	0	0	862,200

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

Ports

- The Port of New York/New Jersey is open to all commercial vessel transits. Vessels transiting on the Arthur Kill south of the Goethals Bridge are advised to minimize their wake/surge due to ongoing pollution response activities.

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 1:00 pm today (November 7), reports indicate that 49 terminals are open and 8 terminals are shut.** The table below lists terminals that remain shut or that have recently re-opened.

Status of Petroleum Terminals as of 1:00 pm EST 11/7/12				
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
Hess	Perth Amboy	NJ	Open	11/5/12
Motiva	Sewaren	NJ	Shut	10/31/12
Phillips 66	Tremley Point	NJ	Shut	11/3/12
Motiva	Brooklyn	NY	Shut	10/31/12



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Status of Petroleum Terminals as of 1:00 pm EST 11/7/12

Company	City	State	Status	Date Stamp
Motiva	Long Island	NY	Shut	10/31/12

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

Electric Restoration Information

Connecticut

- Connecticut Light and Power (CL&P) stated today (November 7) that they are prepared for the impending Nor'easter with additional resources still available. Their Emergency Operations Center remains activated at this time
- United Illuminating (UI) announced today that their storm team remains in place and are ready to act, including 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 7) that they have assembled crews that are ready to respond to any infrastructure damage in association with the potential Nor'easter.
- NSTAR reported yesterday (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 yesterday, prior to the arrival of the impending severe weather.
- Western Massachusetts Electric Cooperative (WMECo) announced yesterday (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 yesterday, prior to the arrival of the impending severe weather.

New Hampshire

- New Hampshire Electric Co-op (NHEC) reported yesterday (November 6) that it is preparing for a Nor'easter that may again cause power outages. To have assets in place before the storm arrives, NHEC is recalling nine line crews, who have been in Connecticut for the past three days helping the outage restoration effort there. NHEC also has commitments from contract line and tree crews to provide help in the event this latest storm causes extensive outages. NHEC's operating districts around the state have been restocked with emergency supplies. NHEC has also postponed plans to send crews to New York to assist in the ongoing restoration there in order to have a full complement of personnel available when the Nor'easter arrives.
- Public Service New Hampshire (PSNH) crews deployed to Connecticut to help with Hurricane Sandy restoration efforts returned to New Hampshire last night (November 6).

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.
- Public Service Electric and Gas (PSE&G) reported today (November 7) that impacted customers will be restored by November 9th, with isolated pockets of customers with flooding or downed line

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issues that may take longer. PSE&G stated that they have one substation left out of service (in Bayonne) and are working to put it back in service today (November 7). There are more than 100 out-of-state substation experts who traveled here from around the nation to help with these efforts. PSE&G has secured an additional 600 line workers who are being redirected from Pennsylvania. There are now more than 4,700 workers on the ground helping restore power including 4,000 out-of-state staff in addition to 700 PSE&G workers.

- Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania estimated today (November 7) that they will have almost all of the remaining eight percent of customers 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. O&R team totals over 3,500 workers, including 1,000 employees and 2,500 contract personnel. In New Jersey, outages are concentrated in Bergen and Passaic counties.
- Jersey Central Power & Light (JCP&L) reported today (November 7) that, of the remaining customers without power, 70 percent of them are expected to be restored by today, with an additional 17 percent Friday (November 9), and seven percent more on Sunday (November 10). Customers in the hardest-hit areas, who make up the remaining six percent of the customers without power, can expect to be restored throughout next week. 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 8,800 professionals, including 4,100 linemen and 1,500 forestry workers. An additional 600 linemen were expected to arrive yesterday.
- Atlantic City Electric (ACE) stated yesterday (November 6) that they have restored power to all of their customers who can accept service. There are still approximately 5,000 customers, who, because of extensive damage to their homes, cannot accept electric service at this time.

New York

- Con Edison reported this morning (November 7) that they are working to restore the remaining 10 percent of customers without power in the Bronx, Brooklyn, Queens, Staten Island, and Westchester County. The majority of customers remaining without power are in Westchester. Damaged shore areas in Brooklyn and Queens (Gerritsen Beach, Sea Gate, Red Hook, Sheepshead Bay, Brighton Beach, Manhattan Beach, Howard Beach, Broad Channel, and Brookville) as well as Staten Island (Arrochar, South Beach, Midland Beach, New Dorp Beach, Oakwood Beach, Butler Manor, and Tottenville) remain a particular challenge for restoration due to the heavy flood and wind damage. Customers in those areas must have a licensed electrician to certify that their systems can be safely energized according to New York City Building Code. Con Edison is working with the New York City Housing Authority to restore service following damaged equipment and buildings. 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 having added an additional 500 outside utility workers yesterday (November 6) and 300 more today (November 7) just ahead of the impending Nor'easter. Many personnel came from Dominion Virginia Power, PG&E, Duke Energy, Alabama Power, Pepco, and Southern California Edison to support Con Edison's restoration effort.
- Long Island Power Authority (LIPA) reported today (November 7) that they are on track to reach their anticipated 90 restoration by this evening (November 7) but the impending Nor'easter may delay this. The company stated that restoration for customers in Brookville, St. James, and Port Jefferson may be a week or more beyond the 7th. LIPA today reported they have restored 43 of the



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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. Support from off Long Island continues to arrive each day, with a portion of those airlifted in by the National Guard from as far away as California, Washington and Arizona. The combination of off and on-Island resources has helped to amass the largest workforce ever for such efforts on Long Island.

- New York State Electric and Gas (NYSEG) reported today (November 7) that they are working to restore the remaining five percent of affected customers and expect to complete the vast majority of this restoration work by tonight. The bulk of the remaining outages in their service territory are in Westchester County, with smaller numbers in Putnam and Dutchess counties. 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 976 of the 1,013 poles broken in its downstate service area.
- Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania estimated today (November 7) that they will have almost all of the remaining eight percent of customers 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. O&R team totals over 3,500 workers, including 1,000 employees and 2,500 contract personnel. In New York, outages are concentrated in Rockland and Orange counties with smaller numbers in Sullivan County.

Pennsylvania

- PECO reported today (November 7) that they have completed their restoration to all customers affected by Sandy. More than 1,000 contractors and utility workers from throughout the country remain at the ready to support PECO employees and crews to help restore service to any customers impacted by today's Nor'easter.
- Med-Ed reported yesterday (November 6) that it has restored service to nearly all of its customers.

Rhode Island

- National Grid announced today (November 7) that they have assembled crews that are ready to respond to any infrastructure damage in association with the potential Nor'easter.

West Virginia

- Appalachian Power (AEP), reported today (November 7) that they have restored service to all customers affected by Hurricane Sandy.
- Mon Power, a First Energy Corp. subsidiary, reported today (November 7) that the majority of affected customers are expected to be restored by Friday night (November 9).