



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

Hurricane Sandy-Nor'easter Situation Report #3
November 8, 2012 (3:00 PM EST)

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

Highlights:

- Beginning November 7th, 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 2:00 pm EST November 8, there are 761,418 customers without power in the affected States impacted by Hurricane Sandy and the Nor'easter. This is an increase of 46,213 customer outages from today's 10:00 am Situation Report #2. 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) are 8,661,527: 8,511,251 from Hurricane Sandy and 150,276 (as of 2:00 pm EST November 8) 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	1,120	< 1%	626,559	9,042	634,481
Massachusetts	8,768	< 1%	298,072	11,595	300,899
New Jersey	392,315	10%	2,615,291	22,083	2,245,059
New York	343,211	4%	2,097,933	102,885	1,857,607
Rhode Island	1,001	< 1%	116,592	4,671	120,262
West Virginia	15,003	1%	271,765	0	256,762
TOTAL:	761,418				

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



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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 11/8/12						
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			
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

Petroleum Terminals

- Motiva reported today (November 8) that its Sewaren, NJ terminal has resumed loading from its gasoline and diesel racks. Motiva stated that it continues to work to complete repairs at its terminal in Newark, NJ. Inspections and damage assessments continue at Motiva terminals in Brooklyn and Long Island, NY, where a timeline for a return to operations has yet to be determined.
- 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 8), reports indicate that 50 terminals are open and 7 terminals are shut. The tables below lists terminals that remain shut or that have recently re-opened.

Status of Petroleum Terminals as of 1:00 pm 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	Open	11/8/12
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



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Electric Restoration Information

Massachusetts

- National Grid announced today (November 8) that they have assembled 500 crews that are responding to infrastructure damage in association with the Nor'easter.

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 8) that, despite the Nor'easter, the 4,000 out-of-state workers and 700 PSE&G technicians have continued their restoration work. The company continues to estimate that customers impacted by Sandy will be restored by tomorrow.
- 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 today (November 8) that they expect all of its customers who lost power due to Sandy to be restored by the end of the weekend. The utility also estimated that customers who lost power due to the Nor'easter would be restored throughout next week. Monmouth and Ocean counties, which were some of the utility's areas hardest hit by Sandy, also were the hardest hit by the Nor'easter. The company 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 14,000 professionals, including 6,000 linemen and 1,500 forestry workers. An additional 1,600 line workers are arriving today to assist with restoration.

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. 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 outside 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 14,000 restoration workers, including 8,200 linemen and tree workers from throughout the country, are working to restore power. LIPA has deployed restoration crews 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

William N. Bryan | Deputy Assistant Secretary | ISER | Department of Energy | 202-586-7517



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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. **Visual inspections are underway in towns of Merrick, Bellmore, Wantagh, Seaford, Massap, and Massap Park.** 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 today (November 8) that it expects to have the vast majority customers that are out in the Westchester-Putnam-Dutchess area as the result of damage from Hurricane Sandy or the Nor'easter restored by late tonight (November 8).** Their restoration team has 3,500 front line and support personnel and includes more than 700 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 have over 500 crews on hand responding to the Nor'easter.**

West Virginia

- Mon Power, a First Energy Corp. subsidiary, reported today (November 8) that, in West Virginia, 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, and Webster counties, may continue into the weekend.**