



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

Hurricane Sandy-Nor'easter Situation Report #5
November 9, 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 9, there are 434,140 customers without power in the affected States impacted by Hurricane Sandy and the Nor'easter. This is a decrease of 57,940 customer outages from today's 10:00 am Situation Report #4. 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 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
New Jersey	221,276	6%	2,615,291	22,083	2,416,098
New York	201,865	3%	2,097,933	102,885	1,998,953
West Virginia	10,999	1%	271,765	0	260,766
TOTAL:	434,140				

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.

- New York City and Nassau and Suffolk County in New York implemented temporary fuel management measures which take effect today, November 9. An “odd-even” rule will be used to purchase gasoline for non-commercial vehicles. The duration of the fuel management plan will be determined by the counties and New York City in coordination with the State of New York.
- Yesterday (November 8) 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 28 percent of gas stations in the New York metropolitan area do not have gasoline available for sale. This is a decrease from the November 7th estimate of 38 percent. 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. ESF-12 plan to staff the FEMA New York and New Jersey Joint Field Offices (JFO) this weekend.

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 11/9/12						
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

- 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 9), 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 11/9/12				
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
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

Electric Restoration Information

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

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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 9) estimates that 99.5 percent of the remaining customers without power will be restored by midnight tonight with the remainder having service restored by the end of the weekend.** The company stated they have over 4,000 out-of-state workers and 700 PSE&G technicians working on restoration. Since service restoration began, PSE&G has replaced at least 2,500 poles and 1,000 transformers, as well as cut down 41,000 trees, to repair widespread damage from the hurricane.
- **Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania estimated today (November 9) that O&R remains on track to return power by day’s end tomorrow to almost all of its customers who lost electric service as a result of Hurricane Sandy.** The company will continue to restore power to those scattered isolated areas remaining without power in to next week. The company stated that the vast majority of the 580 outstanding repair incidents involve fewer than 30 customers each. Repairs are also ongoing to approximately 640 individual service lines torn down by the storms. 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), a FirstEnergy subsidiary, reported today (November 9) the majority of customers who do not have power, including those that experienced new outages as a result of the Nor’easter, will have power restored by tomorrow evening (November 10). Some communities will have their power restored by Sunday evening (November 11) where line forces must replace the service wire to their homes. Devastated areas, including areas of the Barrier Islands where JCP&L crews were not able to begin service restoration until recently, will extend into next week.** Approximately 1,600 additional linemen arrived in New Jersey yesterday (November 8) to join nearly 14,000 Jersey Central Power and Light (JCP&L) employees, FirstEnergy professionals, outside contractors, and utility workers who are concentrated on restoring power following last week’s Hurricane Sandy and the Nor’easter.

New York

- **Con Edison reported today (November 9) that it is working to restore power to all of its customers by the end of the weekend.** The majority of remaining outages are concentrated in Westchester and Queens, with smaller numbers in Brooklyn, the Bronx, Manhattan, and Staten Island. Many of the outages still left in the company’s service area involve small numbers of customers. In Westchester, there are approximately 3,600 restoration jobs that involve 11 or fewer customers. The company is also working with the New York City Buildings Department to expedite the restoration of an additional 35,000 customers in Staten Island, Brooklyn and Queens whose electrical equipment may have been damaged by flooding and cannot be safely re-energized without repairs 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 9) 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. More than 14,000 workers are involved in this effort, including more than 8,200 field crews from across the country and Canada. Another 1,200 linemen are being added, with the majority expected today. LIPA has restored all but seven damaged substations, with many of those remaining to be restored in flooded areas. LIPA is advancing its inspection/survey process in**



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Nassau and Suffolk counties and in the Long Beach area. The company stated that as this process identifies areas safe to be energized, servicemen follow to energize the area.

- New York State Electric and Gas (NYSEG) reported yesterday (November 8) that it expected to restore power to all customers who lost power as the result of damage from Hurricane Sandy or the Nor'easter by last night. 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. Once all service is restored, activities such as circuit checks, making additional repairs where temporary repairs were made, and general clean-up will be conducted.
- Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania estimated today (November 9) that O&R remains on track to return power by day's end tomorrow to almost all of its customers who lost electric service as a result of Hurricane Sandy. The company will continue to restore power to those scattered isolated areas remaining without power in to next week. The company stated that the vast majority of the 580 outstanding separate outage incidents involve fewer than 30 customers each. Repairs are also ongoing to approximately 640 individual service lines torn down by the storms. 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.

West Virginia

- Mon Power, a First Energy Corp. subsidiary, reported today (November 9) that, in West Virginia, the majority of the remaining Mon Power customers are expected to be restored by midnight tonight. 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. More than 2,700 Mon Power employees, contractors and outside utility crew members – including 300 linemen from American Electric Power who arrived Monday – are working to restore power to the customers who remain without service.