



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

Hurricane Sandy-Nor'easter Situation Report #6

November 10, 2012 (10:00 AM 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 9:00 am EST November 10, there are 289,239 customers without power in the affected States impacted by Hurricane Sandy and the Nor'easter. This is a decrease of 144,901 customer outages from yesterday's 3:00 pm Situation Report #5. 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	109,287	3%	2,615,291	22,083	2,528,087
New York	169,603	2%	2,097,933	102,885	2,031,215
West Virginia	10,349	1%	271,765	0	261,416
TOTAL:	289,239				

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 took effect yesterday, 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 9) 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. The estimate from yesterday is the same as the estimate on November 8th. This is the last update EIA will issue. 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 plans to staff the FEMA New York Joint Field Office (JFO) this weekend and the New Jersey JFO next week...

Petroleum & Natural Gas Information:

Refineries

- **Phillips 66 stated yesterday (November 9) that it expects its Bayway refinery (Linden, NJ) to resume normal operations in two to three weeks. Work to repair or replace damaged equipment, primarily electrical equipment impacted by saltwater during the storm surge from Hurricane Sandy, is progressing. The company stated that the refinery’s processing units are in good condition.**
- 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 11/10/12						
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

- **Phillips 66 reported yesterday (November 9) that its terminal at Tremley Point, NJ, is expected to be operating at a limited capacity by the end of November.**
- 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 10), 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 8:00 am EST 11/10/12				
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

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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 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 10) that the vast majority of their customers have been restored. The remaining outages are due to localized issues that were not corrected when a system or circuit outage was restored, including damaged electrical service lines from the pole to a home or business. The company stated their workforce over 4,000 out-of-state workers and 700 PSE&G technicians will continue to address these localized issues. 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 yesterday (November 9) that O&R remains on track to return power by the end of day today 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. 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, reiterated last night (November 9) that 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 this evening. Some communities, where line forces must replace the service wire to their homes, will have their power restored by tomorrow night. 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. Nearly 14,500 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. This is the largest contingent of linemen and forestry crews JCP&L has ever had, including experienced professionals from many state and federal agencies.

New York

- Con Edison reported today (November 10) that its crews are working to restore power to the two percent of affected customers who remain without power following the storms; this number does not include 35,000 living in storm-ravaged flood zones in Brooklyn, Queens and Staten Island who cannot get electric service until their own internal equipment is repaired, tested and certified by an electrician as ready for service. Con Edison is on pace to have nearly all its Hurricane Sandy outages restored by tomorrow night (November 11). Con Edison and mutual aid crews replaced 60 miles of electric cable and responded to 30,000 damage locations. The company went through six months of supplies of utility poles and transformers in a single week. The majority of remaining outages are concentrated in Westchester and Queens, with smaller numbers in Brooklyn and the Bronx. Nearly all of those in Staten Island and Manhattan who can receive power have been restored. More than 3,500 outside utility workers from as far away as Canada are assisting Con Edison crews in the restoration effort.



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- Long Island Power Authority (LIPA) reported yesterday (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 15,000 workers are involved in this effort. Additional crews arrived yesterday, increasing field crew numbers to more than 9,000 from across the country and Canada.** 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 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.
- Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania estimated yesterday (November 9) that O&R remains on track to return power by day's end today 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. 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 last night (November 9) that, in West Virginia, the majority of the remaining Mon Power customers were restored last night. Restoration should be completed by the end of the weekend for customers still out of power from Hurricane Sandy in the most heavily damaged areas of Barbour, Nicholas, Preston, Randolph, Tucker, Upshur and Webster counties. More than 3,000 Mon Power employees, contractors and outside utility crew members are working to restore power to the customers who remain without service. Crews have replaced more than 600 distribution poles and work continues to replace additional 400-plus poles, of which 220 are off-road poles.**