



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

Hurricane Sandy-Nor'easter Situation Report #7

November 11, 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 11, there are 166,499 customers without power in the affected States impacted by Hurricane Sandy and the Nor'easter. This is a decrease of 122,740 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	27,816	< 1%	2,615,291	22,083	2,609,558
New York	132,965	2%	2,097,933	102,885	2,067,853
West Virginia	5,718	< 1%	271,765	0	266,047
TOTAL:	166,499				

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.

- On 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

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 New Jersey State Emergency Operations Center (EOC) in West Trenton, NJ, and the FEMA New York Joint Field Office (JFO). ESF 12 has demobilized from the New York State EOC in Albany, NY



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and the FEMA Interim Operation Facility in Hartford, CT. ESF-12 plans to begin staffing the New Jersey JFO on November 13.

Petroleum & Natural Gas Information:

Refineries

- Phillips 66 stated on 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 11/11/12						
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 on 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 11), 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 11/11/12				
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

- 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 11) 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.
- Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania reported yesterday (November 10) that it is continuing to restore those remaining customers who are without power. O&R’s contingent of workers included more than 1,000 employees and over 2,500 utility contractors and mutual aid workers from across the nation and Canada. As a result of damage from Hurricane Sandy, O&R has replaced over 500 poles, 400 transformers, and 140,000 feet of wire. As a comparison, during Hurricane Irene, O&R replaced 150 poles, 330 transformers, and 50,000 feet of wire. In the October 2011 Snowstorm, O&R replaced 140 poles, 150 transformers, and 74,000 feet of wire.
- Jersey Central Power & Light (JCP&L), a FirstEnergy subsidiary, reported last night (November 10) that it expects the majority of its customers in the mainland to receive power by the end of the weekend. In the Barrier Islands and some of the shoreline communities where the storm devastation is most severe, JCP&L is working with State and local officials on developing and implementing a full restoration plan and timeline to connect affected customers safely. Almost 8,000 linemen are part of the effort to restore power to JCP&L customers.

New York

- Con Edison reported today (November 11) that it is on track to restore power by the end of the weekend to virtually all customers who can accept service, who were affected by Hurricane Sandy. There are approximately 30,000 customers in flood-ravaged areas of Brooklyn, Queens and Staten Island who cannot get electrical service until their own internal equipment is repaired, tested and certified by an electrician as ready for service.
- Long Island Power Authority (LIPA) reported yesterday (November 10) that local officials and LIPA estimate 55,000 customers on Long Island and in the Rockaways could be powered, but damage to the homes is too severe and repairs to home or an inspection must be completed before the house can be reconnected to the grid. On Long Island the bulk of these are in Island Park, Oceanside and the East Rockaway area, with smaller pockets in other south shore communities. In Nassau, 250 surveyors are out in the field, with teams of technicians and electric servicemen following closely behind to re-energize those premises that are found to be safe. Those areas include Bellmore, Massapequa, Massapequa Park, Merrick, Seaford, Wantagh, Baldwin, Baldwin Harbor, East Rockaway, Island Park, Lynbrook, and Oceanside. Up to 500 additional linemen are arriving on Long Island today and will supplement the already 9,600 linemen and tree trim crews that are working to bring power back to all remaining customers who are able to receive power safely. LIPA has restored 46 of the 50 substations which were out of power.
- Orange and Rockland (O&R), serving New Jersey, New York, and Pennsylvania reported yesterday (November 10) that it is continuing to restore those remaining customers who are without power. O&R’s contingent of workers included more than 1,000 employees and over 2,500 utility contractors and mutual aid workers from across the nation and Canada. As a result of damage from Hurricane Sandy, O&R has replaced over 500 poles, 400 transformers, and 140,000 feet of wire. As a comparison, during Hurricane Irene, O&R replaced 150 poles, 330 transformers, and 50,000 feet



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West Virginia

- Mon Power, a First Energy Corp. subsidiary, reported last night (November 10) that, in West Virginia, that restoration for customers in the most heavily damaged areas, including parts of Barbour, Nicholas, Preston, Randolph, Tucker, Upshur and Webster counties, should be completed by the end of the weekend.. 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.