



# ENERGY ASSURANCE DAILY

Thursday Evening, February 09, 2017

## Electricity

### Power Restoration Underway as Winter Storm Moves Through Northeast U.S. February 9

A strong coastal winter storm producing heavy snow, rain, and strong winds began moving through the Northeastern United States early Thursday morning with impacts to electric customers expected to persist into Thursday evening. According to the National Weather Service, the potential exists for heavy snow and strong winds along the major Interstate 95 corridor leading to dangerous travel conditions around the Philadelphia, New York City, and Boston metropolitan areas. Snow was expected to continue to fall at the rate of 2 to 4 inches per hour in southeastern New England and eastern Long Island into Thursday evening. As of 4:15 p.m. EST on Thursday, 83,018 customers were reported without power with impacts expected to increase as the storm moves through the region. The table below shows the latest reported outages for utilities experiencing more than 1,000 customer impacts from the winter storm. Eversource said it preemptively positioned extra crews in South Shore and Cape Cod, Massachusetts who are working as quickly and safely as possible to assess system damage and restore power. National Grid said its crews will work through the night to restore power to customers affected by the winter storm.

Northeast U.S. Customer Power Outages		
February 9, 2017		
Electric Utility	State	Latest Reported
Eversource	CT	1,309
Eversource	MA	50,908
National Grid	MA	1,881
Atlantic City Electric	NJ	1,620
First Energy	NJ	1,573
PSEG Long Island	NY	1,926
FirstEnergy	PA	8,030
PECO	PA	2,608
PPL	PA	2,541
National Grid	RI	10,622
<b>Total*</b>		<b>83,018</b>

\*Total outages represent only electric utilities listed in this table.

Sources:

<http://www.weather.gov/>

<https://www.eversource.com/nstar/outage/outagemap.aspx>

<http://www.atlanticcityelectric.com/pages/connectwithus/outages/outagemaps.aspx>

<https://outagemap.psegliny.com/>

<https://www.psegliny.com/page.cfm/AboutUs/PressReleases/2017/020917-130update>

<http://www.nyseg.com/Outages/outageinformation.html>

<https://www.peco.com/Outages/CheckOutageStatus/Pages/OutageMap.aspx>

<http://outages.firstenergycorp.com/pa.html>

<https://weather.com/news/news/winter-storm-niko-boston-blizzard-new-england-impacts>

<http://www.accuweather.com/en/weather-news/snow-to-disrupt-travel-from-dc-to-new-york-city-and-boston-thursday/70000772>

<https://twitter.com/eversourcema?lang=en>

<https://www.nationalgridus.com/RI-Home/Storms-Outages/Stay-Connected?sf55250414=1>

## **Freezing Rain, Wind Knocks Out Power to Over 44,000 BC Hydro Customers in British Columbia February 9**

A winter storm producing snow and freezing rain knocked out power to at least 44,734 BC Hydro customers across Vancouver Island, Lower Mainland, and the Fraser Valley, British Columbia on Thursday morning. BC Hydro said many trees had fallen on powerlines causing the majority of outages. The utility added that crews and contractors would be working throughout the day to make repairs. As of 3:30 p.m. EST on Thursday, 44,142 customers remained without power.

<https://www.bchydro.com/power-outages/app/outage-map.html>

<https://twitter.com/bchydro>

<http://www.theprogress.com/news/413308213.html>

## **Entergy Shuts Its 653 MW Pilgrim Nuclear Plant in Massachusetts Due to Impending Snowstorm February 9**

Entergy on Thursday morning preemptively shut its Pilgrim nuclear power station due to an impending snowstorm. Power station officials said the decision was based upon an updated weather forecast and in accordance with station operating procedure. The plant has been operating at 30 percent power since Monday night when a small seawater leak was identified in one condenser tube and subsequently repaired, according to a spokesperson. Pilgrim proactively decided to plug additional tubes to prevent this type of issue in the future, the spokesperson added. A date and time of when Pilgrim will return to full power has not been released.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

[https://twitter.com/PilgrimNuclear/status/829719282837835777?ref\\_src=twsrc%5Etfw](https://twitter.com/PilgrimNuclear/status/829719282837835777?ref_src=twsrc%5Etfw)

<http://www.fox25boston.com/news/pilgrim-nuclear-power-station-shuts-down-ahead-of-storm/492524571>

## **Update: Southern's 1,152 MW Vogtle Nuclear Unit 1 in Georgia at Full Power by February 9**

On the morning of February 8 the unit was operating at 80 percent. The unit shut from full power on February 4 due to equipment failure.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

## **Update: DTE's 1,089 MW Fermi Nuclear Unit 2 in Michigan Ramps Up to 75 Percent by February 9**

On the morning of February 8 the unit was operating at 63 percent, reduced from full power on February 5.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

## **PG&E's 154 MW Kerkhoff Hydro Unit 1 in California Shut by February 8**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201702081515.html>

## **NCPA's 247 MW Collierville Hydro Units 1 & 2 in California Shut by February 8**

The units entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201702081515.html>

## **CDWR's 933 MW Hyatt-Thermalito Hydro Unit in California Reduced by February 8**

The unit entered an unplanned curtailment of 267 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201702081515.html>

### **Update: Energy Transfer Receives Final Permit for Its 570,000 b/d Dakota Access Pipeline River Crossing Route, Begins Construction in North Dakota February 8**

Energy Transfer Partners on Wednesday announced that Dakota Access, LLC received an easement from the U.S. Army Corps of Engineers to construct a pipeline across land owned by the Army Corps on both sides of Lake Oahe in North Dakota. The release of this easement by the Army Corps follows a directive from President Donald Trump to the Department of the Army and the Army Corps to take all necessary and appropriate steps that would permit construction and operation of the Dakota Access pipeline, including easements to cross federal lands. With this action, Dakota Access now has received all federal authorizations necessary to proceed with construction of the final part of the pipeline. An Energy Transfer spokeswoman confirmed early Thursday that construction resumed immediately after receiving the easement. Workers had already drilled entry and exit holes for the crossing, and oil had been put in the pipeline leading up to the lake in anticipation of finishing the project. The estimate is 60 days to complete the drill and another 23 days to fill the line to Patoka, Illinois, the spokeswoman said. Work was stalled for months due to opposition by the Standing Rock Sioux and a prolonged court battle between the developer and the Army Corps of Engineers that oversees the federal land where the last segment of the pipeline is now being laid. The Dakota Access pipeline consists of approximately 1,172 miles of new 30-inch crude oil pipeline from North Dakota to Patoka, Illinois, and the Energy Transfer Crude Oil Pipeline consists of more than 700 miles of existing pipeline that has been converted to crude oil service from Patoka to Nederland, Texas. The two pipelines (together, the Bakken Pipeline) are expected to be in service in the second quarter of 2017.

<http://ir.energytransfer.com/phoenix.zhtml?c=106094&p=irol-newsArticle&ID=2244585>

Reuters, 9:47 February 9, 2017

### **PBF Reports Mechanical Failure at Its 182,200 b/d Delaware City, Delaware Refinery February 8**

PBF Energy reported a mechanical failure and flaring at its Delaware City, Delaware refinery on February 8, according to a filing with the State of Delaware pollution regulator.

Reuters, 6:37 February 9, 2017

### **Citgo Reports Output Unaffected after Unit Upset at Its 175,940 b/d Lemont, Illinois Refinery February 8**

Citgo Petroleum Corp on Thursday said production from a process unit was unaffected by an upset on Wednesday at its Lemont, Illinois refinery. According to a Lemont Fire Department official, a small fire was contained at the refinery by company personnel on Wednesday. A company official said in an email that the short-duration issue was quickly resolved and there were no injuries, no off-site impact, nor any changes to production.

Reuters, 13:53 February 9, 2017

### **LyondellBasell Reports Flaring at Its 263,776 b/d Houston, Texas Refinery February 8**

LyondellBasell Industries reported flaring at its Houston, Texas refinery on February 8, according to a community line alert.

Reuters, 20:15 February 8, 2017

### **Update: Total Says FCCU Repairs Continue at Its 225,000 b/d Port Arthur, Texas Refinery February 9 – Sources**

Repairs to the fire-damaged electrical systems on the 76,000 b/d fluid catalytic cracking unit (FCCU) at Total SA's Port Arthur, Texas refinery were continuing on Thursday, sources familiar with plant operations said. If repairs go as planned, the FCCU could resume production as early as Friday, according to the sources. The FCCU has been on warm circulation after a fire damaged the unit's electrical systems. As a result of the outage, Total reduced crude runs to about 140,000 b/d.

Reuters, 12:53 February 9, 2017

### **Phillips 66 Reports SRU Emissions at Its 146,000 b/d Borger, Texas Refinery February 8**

Phillips 66 reported a release of sulfur dioxide from the sulfur recovery unit (SRU) stack at its Borger, Texas refinery exceed 500 pounds on February 8, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 15:01 February 9, 2017

## **Update: Valero Repairing HCU at Its 125,000 b/d Meraux, Louisiana Refinery Ahead of Restart February 8 – Sources**

Valero Energy Corp was repairing the hydrocracking unit (HCU) at its Meraux, Louisiana refinery on Wednesday afternoon ahead of a possible restart overnight, said sources familiar with plant operations. The 55,000 b/d HCU, the sole motor fuel producing unit at the refinery, was shut when a fire broke out on a compressor on Wednesday morning. Crews were replacing the compressor and will run tests to assure it will operate safely prior to attempting the restart, the sources said. A Valero spokeswoman said no injuries were reported from the fire, which was extinguished by the refinery's firefighters.

Reuters, 18:20 February 8, 2017

## ***Natural Gas***

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### **SCAQMD Reaches \$8.5 Million Settlement with SoCalGas for Aliso Canyon Gas Leak**

Southern California Gas (SoCalGas) will pay \$8.5 million under a settlement signed on Wednesday with the South Coast Air Quality Management District (SCAQMD) resulting from the massive natural gas leak at the company's Aliso Canyon storage facility. The settlement specifies that of the \$8.5 million, \$1 million will be designated for a SCAQMD-sponsored health study; \$5.65 million will pay for emission fees related to the leak; \$1.6 million will reimburse SCAQMD for air monitoring costs; and \$250,000 for its legal fees. The settlement also specifies that \$1 million of the \$5.65 million in emission fees will help fund a renewable natural gas production project demonstrating the commercial and technical viability of renewable natural gas, subject to agreement with KORE Infrastructure, Inc. This project has the potential to reduce natural gas storage in underground facilities including Aliso Canyon. On October 23, 2015, SoCalGas discovered a leak in well SS-25, one of 115 wells in the company's Aliso Canyon underground natural gas storage facility near Porter Ranch. The well was not sealed until February 18, 2016. SCAQMD has monitored air quality in Porter Ranch since late 2015 and continues to monitor for methane at two locations in the community.

[http://www.aqmd.gov/home/library/public-information/2017-news-archives/scaqmd-reaches-settlement-with-socialgas-for-\\$8-5-million](http://www.aqmd.gov/home/library/public-information/2017-news-archives/scaqmd-reaches-settlement-with-socialgas-for-$8-5-million)

## ***Other News***

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Nothing to report.

## ***International News***

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### **Update: Iraq's Basra Oil Export Terminal Resumes Loadings after 24-Hour Suspension**

Iraq's main oil export terminal, near the southern city of Basra, resumed loading after a 24-hour suspension to install a new pipeline feeding the facility, an executive at state-run South Oil Co said on Thursday. Loadings stopped at midnight Tuesday and resumed at midnight Wednesday, he said. The terminal's loading capacity is estimated at around 1.8 million b/d. Loading offshore at three single-point moorings (SPMs) connected with the Basra terminal was not affected. Iraq exported a record 3.51 million b/d in December from its southern ports.

Reuters, 1:55 February 9, 2017

## Energy Prices

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U.S. Oil and Gas Prices			
February 9, 2017			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	52.94	53.50	27.91
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.05	3.12	2.22

Source: Reuters

## Links

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***This Week in Petroleum*** from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

***Weekly Petroleum Status Report*** from EIA

[http://www.eia.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

***Natural Gas Weekly Update*** from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

### ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

Please direct comments and questions to: [ead@oe.netl.doe.gov](mailto:ead@oe.netl.doe.gov)