



# ENERGY ASSURANCE DAILY

Tuesday Evening, July 19, 2016

## Electricity

### Severe Storms Cut Power to More Than 148,000 Customers across the Northeast July 18

A line of severe thunderstorms with high winds swept across the northeast on Monday afternoon, knocking down trees and power lines, which cut power to at least 148,821 customers from Virginia to Connecticut throughout the course of the storm. As of 3:30 p.m. EDT, only 9,436 customers remained without power. Public Service Electric and Gas (PSE&G) and PECO, the hardest hit utilities with 26,000 and 22,185 outages, respectively, were in the process of repairing distribution lines and completing full restoration. The table below shows total affected customers and the latest reported outages by utility. The “Affected” column shows the total count of customers that lost power at one point or another over the course of the storm for each utility. These outages may not have occurred concurrently and are not the same as peak outages.

| Northeast Customer Power Outages      |       |                |                 |
|---------------------------------------|-------|----------------|-----------------|
| July 18 – July 19                     |       |                |                 |
| Electric Utility                      | State | Affected       | Latest Reported |
| Eversource (CLP)                      | CT    | 10,529         | 95              |
| United Illuminating Company           | CT    | 3,727          | 15              |
| PEPCO                                 | DC/MD | 2,000          | 113             |
| DelMarVa Power                        | DE    | 16,269         | 428             |
| Eversource (WME)                      | MA    | 4,000          | 53              |
| National Grid                         | MA    | 1,820          | 426             |
| Central Maine Power                   | ME    | 8,000          | 1,089           |
| Eversource (PSNH)                     | NH    | 15,000         | 372             |
| Public Service Electric & Gas (PSE&G) | NJ    | 26,000         | 671             |
| Jersey Central Power & Light          | NJ    | 4,400          | 144             |
| Atlantic City Electric                | NJ    | 2,656          | 15              |
| Consolidated Edison NY                | NY    | 2,287          | 518             |
| PSEG Long Island                      | NY    | 1,231          | 1,834           |
| PECO                                  | PA    | 22,185         | 1,618           |
| PPL Electric Utility                  | PA    | 16,717         | 788             |
| Dominion Power                        | VA    | 12,000         | 1,257           |
| <b>TOTAL*</b>                         |       | <b>148,821</b> | <b>9,436</b>    |

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

Sources:

- <http://www.nhregister.com/general-news/20160719/greater-new-haven-cleaning-up-after-wild-weather-takes-down-trees-knocks-out-power>
- <http://www.mycentraljersey.com/story/weather/2016/07/18/severe-thunderstorm-watch-effect-until-8-pm/87250108/>
- <http://philadelphia.cbslocal.com/2016/07/18/storms-roll-through-area-causing-damage-outages/>
- <http://www.phillyvoice.com/severe-storm-warning-issued-philadelphia-region/>
- <http://philadelphia.cbslocal.com/2016/07/18/storms-roll-through-area-causing-damage-outages/>
- <http://newyork.cbslocal.com/2016/07/18/tri-state-severe-storms-july-18/>
- [http://www.masslive.com/news/index.ssf/2016/07/power\\_restored\\_to\\_thousands\\_of.html](http://www.masslive.com/news/index.ssf/2016/07/power_restored_to_thousands_of.html)
- [https://www.washingtonpost.com/local/evening-rush-hour-thunderstorm-shuts-down-power-knocks-down-trees-in-dc-area/2016/07/18/f905eeaa-4d28-11e6-a422-83ab49ed5e6a\\_story.html](https://www.washingtonpost.com/local/evening-rush-hour-thunderstorm-shuts-down-power-knocks-down-trees-in-dc-area/2016/07/18/f905eeaa-4d28-11e6-a422-83ab49ed5e6a_story.html)
- <http://patch.com/new-hampshire/merrimack/15k-ever-source-until-customers-without-power-nh>
- <https://www.eversource.com/clp/outage/outagemap.aspx>
- <http://www.delmarva.com/pages/connectwithus/outages/outagemaps.aspx>

<http://www.pepco.com/pages/connectwithus/outages/outagemaps.aspx>  
<http://outages.firstenergycorp.com/mdwv.html>  
<http://stormcenter.smeco.coop/external/default.html>  
<https://www.eversource.com/psnh/outage/outagemap.aspx>  
<http://outagecenter.pseg.com/external/default.html>  
[http://apps.coned.com/stormcenter\\_external/default.html](http://apps.coned.com/stormcenter_external/default.html)  
[http://apps.coned.com/stormcenter\\_external\\_oru/default.html](http://apps.coned.com/stormcenter_external_oru/default.html)  
<https://www.psegliny.com/c/cfm/Outage>  
<http://outagemap.dom.com.s3-website-us-east-1.amazonaws.com/external/report.html?report=report-panel-county-muni>

### **Mesquite's 155 MW Mesquite Solar Unit 1 in California Shut by July 18**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201607181515.html>

### **California ISO Solar Production Reaches New Record at 8,030 MW July 12**

The California Independent System Operator (ISO) on Tuesday recorded 8,030 MW of power generation from solar sources, which is more than double of the fleet's best day in 2014 and 2,000 MW more than its solar peak last year. Despite the new record, that number does not capture the full scale of solar power in the state, such as rooftop solar panels. It also doesn't include solar power generated by some of the state's smaller utilities that don't belong to the ISO. The Sacramento Municipal Utility District, for instance, is not part of the ISO, although it can generate about 250 megawatts per day from solar sources, according to an agency spokesman. Altogether, the state can generate 14,000 megawatts from solar sources, according to the industries association.

<http://www.sanluisobispo.com/news/local/article90359907.html#storylink=cpy>

<http://www.caiso.com/Documents/CaliforniaISO-SolarProductionSoarsToNewRecord-8030Megawatts.pdf>

## ***Petroleum***

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### **PBF Reports Normal Rates at Its 182,200 b/d Delaware City, Delaware Refinery after Oil Spill July 19 – Source**

PBF Energy's Delaware City, Delaware refinery is running at normal rates following an oil spill at the facility, a source familiar with plant operations said on Tuesday. The spill was related to heavy rain in the area, the source added.

Reuters, 10:21 July 19, 2016

### **ExxonMobil Reports Gas Compressor Shutdown at Its 344,600 b/d Beaumont, Texas Refinery July 17**

ExxonMobil reported a gas compressor shutdown led to flaring from the fluid catalytic cracking flare and fluid catalytic cracking unit on Sunday, according to a filing with the Texas Commission on Environmental Quality. The emissions event lasted 20 minutes Sunday evening, the filing said. "All contractual commitments are anticipated to be met," the filing added.

<http://www2.tceq.texas.gov/oce/eeer/index.cfm?fuseaction=main.getDetails&target=239221>

### **Flint Hills to Build 50 MW Cogen Plant at Its 290,000 b/d Pine Bend, Minnesota Refinery**

Flint Hills Resources is slated to build a \$150 million, 50 MW cogeneration later this year, which is expected to allow the company to more efficiently run its Pine Bend facility while reducing greenhouse gas emissions. The public affairs director said the cogeneration approach eliminates the need for separate steam and electricity plants while bringing the energy production closer to where it will be used. In addition, another \$150 million will be spent to reduce emissions in order to meet the Environmental Protection Agency's standard for removing sulfur from gasoline. Flint Hills' Pine Bend facility is located in the Twin Cities suburb of Rosemount and supplies more than half of Minnesota's transportation fuels.

<http://midwestenergynews.com/2016/07/19/minnesota-refinery-plans-major-combined-heat-and-power-project/>

### **Kinder Morgan Shuts Connecting Pipelines after Fire on Tejas Natural Gas Line in Texas July 18**

Kinder Morgan said on Monday it shut all connecting pipelines after a fire ignited from its Tejas natural gas pipeline in Kleberg County, Texas early that morning. The fire occurred near Energy Transfer's 800 MMcf/d Kind Ranch processing plant, and affected multiple Kinder Morgan-operated pipelines and multiple customer receipt and delivery points, a critical notice said. A company spokesman on Tuesday said the incident occurred in the area of a "supply header" where several pipes are connected, and that the incident affected service through certain Kinder Morgan pipelines, including the Texas pipeline, Tejas pipeline, and Mexico-Monterrey pipeline. Kinder Morgan said that an investigation would begin as soon as the site was safe to enter, adding that it was communicating with its customers in order to determine the impacts. A spokesman at Williams Co.'s said gas flows on its Transco pipeline, which is connected to Energy Transfer's 800 MMcf/d King Ranch processing plant in Kleberg County, were not affected by the incident. Meanwhile, officials at Energy Transfer were not immediately available for comment. Gas flows between the King Ranch processing plant and Kinder Morgan's Tennessee Gas Pipeline fell to 9 MMcf/d on July 18, the day the fire started, but have since returned to 88 MMcf/d, putting the amount of gas moving through the receipt point near its 30-day average of 91 MMcf/d, according to Thomson Reuters data. Gas traders said the Texas fire was having little effect on futures prices, noting that the latest hot weather forecasts and maintenance work on the Rockies Express pipe in the Ohio/Indiana area was having a bigger impact on the market. The Tejas pipeline is a 3,400-mile intrastate system located primarily along the Texas Gulf Coast that transports, purchases and sells natural gas in the Texas intrastate market, according to the company website.

Reuters, 13:35 July 19, 2016

Reuters, 10:17 July 19, 2016

[http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=KMTJ&notc\\_nbr=202700&date=7/19/2016&subject=&notc\\_type=-1&notc\\_sub\\_type=-1&notc\\_ind=C](http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=KMTJ&notc_nbr=202700&date=7/19/2016&subject=&notc_type=-1&notc_sub_type=-1&notc_ind=C)

### **SoCalGas Demonstrates Well-Testing Processes Required to Restart Aliso Canyon July 18**

Southern California Gas Co. on Tuesday (SoCalGas) released video detailing the eight-step Safety Review Testing Regime established by the state's Division of Oil, Gas and Geothermal Resources (DOGGR). The protocol was established in consultation with the Lawrence Livermore and Berkeley National Laboratories, and every well at Aliso Canyon must pass all eight tests or be taken out of before gas injection can resume at the facility. SoCalGas has been working in compliance with the protocol to test all wells at the field since just after the leak was sealed five months ago. As of July 15, all of the 114 active wells have completed Phase 1 inspections, which include temperature and noise tests, and 93 wells (or 82 percent) have moved on to Phase 2 of the inspection protocol. Meanwhile, 18 wells have completed all diagnostic phases, and 15 wells have received final DOGGR approval. SoCalGas provides updates on the status of testing every two weeks to DOGGR, with the next report due on Friday, July 29.

<http://sempra.mediaroom.com/index.php?s=19080&item=137180>

## **Other News**

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### **Siouxland Ethanol Planning to Boost Production by 15 Percent at Its 65MMGal/Year Ethanol Plant in Nebraska**

Siouxland Ethanol is moving ahead with a plant expansion project that is expected to boost production capacity of the plant by 15 percent, which is located in Dakota County, Nebraska. In February 2016, capacity grew to 65 MMgal/year, up from 50MMgal/yer since the plant opened in 2007. Officials will begin applying for necessary permits from the state, and hope to start mobilizing construction activity at the site in the next month or two, a company spokeswoman said.

[http://siouxcityjournal.com/business/local/siouxland-ethanol-approves-m-expansion-to-further-boost-production/article\\_e20131e4-72bd-5024-80fb-358a5deab96e.html](http://siouxcityjournal.com/business/local/siouxland-ethanol-approves-m-expansion-to-further-boost-production/article_e20131e4-72bd-5024-80fb-358a5deab96e.html)

## **International News**

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Nothing to report.

## Energy Prices

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| U.S. Oil and Gas Prices  |       |          |          |
|--|-------|----------|----------|
| July 19, 2016  |       |          |          |
|  | Today | Week Ago | Year Ago |
| <b>CRUDE OIL</b><br><b>West Texas Intermediate U.S.</b><br>\$/Barrel | 44.59 | 46.77    | 50.83    |
| <b>NATURAL GAS</b><br><b>Henry Hub</b><br>\$/Million Btu             | 2.81  | 2.85     | 2.90     |

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>

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