



# ENERGY ASSURANCE DAILY

Wednesday Evening, November 16, 2016

## ***Electricity***

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### **DP&L Reports Power Restored to Over 10,000 Customers in Ohio after Brief Transmission-Related Power Outage November 16**

Dayton Power & Light (DP&L) on Wednesday morning reported power was restored to over 10,000 customers in Shelby and Logan counties, Ohio, after a brief power outage. The cause of the outage, which lasted about one hour, was believed to be transmission-related, DP&L said.

<https://www.dpandl.com/customer-service/outage-center/outage-map/>

<http://www.springfieldnewsun.com/news/news/local/large-power-outage-reported-in-shelby-logan-counti/ns8qk/>

### **Update: Talen Energy's 1,111 MW Susquehanna Nuclear Unit 2 in Pennsylvania Ramps Up to 95 Percent by November 16**

On the morning of November 15 the unit was operating at 53 percent, reduced from full power on November 14.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

### **SCE's 820 MW Big Creek Hydro Unit in California Reduced by November 15**

The unit entered an unplanned curtailment of 443 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201611151515.html>

### **El Segundo Energy Center's 264 MW Gas-fired Unit 7/8 in California Shut by November 15**

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201611151515.html>

### **City & County of San Francisco's 405 MW Hetch Hetchy Hydro Unit in California Reduced by November 15**

The unit entered an unplanned curtailment of 166 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201611151515.html>

### **PGE Files Integrated Resource Plan with Public Utility Commission**

Portland General Electric (PGE) on Tuesday filed its 2016 Integrated Resource Plan (IRP) with the Oregon Public Utility Commission (PUC), which would put PGE on target for meeting the state's recently expanded renewable energy requirements. The IRP calls for increases in energy efficiency, customer-side demand response, renewable energy resources, and flexible dispatchable resources—those that can be ramped up and down quickly to complement renewable power to ensure grid reliability. PGE's plan is the result of 18 months of analysis and research, including meetings and workshops to solicit input from customer groups, environmental advocates, regulators, energy experts, and other key stakeholders. The plan calls for 375–550 MW of resources available year-round, and up to 400 MW of resources available to meet seasonal demand. Oregon PUC staff members and stakeholders have up to six months to review and provide comments and recommendations to the commission. If the OPUC acknowledges the plan, PGE said it will work with the commission to develop competitive bidding processes to evaluate and select new resources. Bids could include renewables, hydroelectric power, flexible natural gas generation, geothermal power, energy storage and/or power supply contracts.

<https://www.portlandgeneral.com/our-company/energy-strategy/resource-planning/integrated-resource-planning>

### **PBF Energy's 151,300 b/d Torrance, California Refinery Running at Reduced Rates after Fire November 15 – Source**

PBF Energy was running an alkylation unit and a 100,000 b/d fluid catalytic cracking unit (FCCU) at reduced rates on Wednesday following a fire that occurred at its Torrance, California refinery on Tuesday. According to the Torrance Fire Department, the blaze broke out from a pipe near the refinery's alkylation unit, however, no release of hydrofluoric acid was detected from the unit and there were no injuries. Energy industry intelligence service Genscape said the alkylation unit had returned to operating temperatures after a brief period of cooling following the blaze. In addition, the FCCU was temporarily shut, although it was not clear if that unit was shut as a precaution, or if it was affected by the fire. Sources said the blaze prompted wholesale gasoline prices in the Los Angeles market to jump nearly 24 cents on Wednesday to between a 10-cent and 12-cent a gallon premium to the New York Mercantile Exchange RBOB gasoline futures contract. A PBF spokesman said the refinery continued to operate on Wednesday and the cause of the fire was under investigation.

Reuters, 11:45 November 16, 2016

### **Enbridge Restarts Section of Its 193,300 b/d Spearhead Crude Oil Pipeline in Missouri after Brief Shutdown for Repairs November 15**

Enbridge on Wednesday said it had repaired and restarted the section of its Spearhead Pipeline in Saline County, Missouri that was struck while a contractor was conducting work in the area on Tuesday. The company shut the line down on Tuesday to investigate the site and repair the section.

Reuters, 19:26 November 15, 2016

Reuters, 10:58 November 16, 2016

### **Phillips 66 Reports RTO Shut at Its 247,000 b/d Sweeny, Texas Refinery November 16**

Phillips 66 reported the regenerative thermal oxidizer (RTO) at its Sweeny, Texas refinery would be shut beginning at 12:00 p.m. EST, Wednesday as a result of high vibrations in the air blower motor, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 12:05 November 16, 2016

### **U.S. Commercial Crude Inventories Increase 5.3 Million Barrels November 11 – EIA**

U.S. commercial crude oil inventories rose for the third consecutive week, increasing 5.3 million barrels to about 490.3 million barrels during the week ending November 11, according to data released by the U.S. Energy Information Administration on Wednesday. U.S. crude imports rose last week by 910,000 b/d and heavy imports contributed to a 4.9 million-barrel increase in stocks in the U.S. Gulf. Stocks at the Cushing, Oklahoma delivery hub rose 691,000 barrels to about 59.2 million barrels.

Reuters, 11:01 November 16, 2016

### **USGS Estimates 20 Billion Barrels of Unconventional Oil in Texas' Wolfcamp Shale Formation November 15**

According to an assessment released by the U.S. Geological Survey (USGS) on Tuesday, a portion of the giant Permian Basin field known as the Wolfcamp formation was estimated to hold 20 billion barrels of oil, 16 trillion cubic feet of associated natural gas, and 1.6 billion barrels of natural gas liquids trapped in four layers of shale beneath West Texas. USGS said the estimate represents continuous (unconventional) oil, and consists of undiscovered, technically recoverable resources. The estimate of continuous oil in the Wolfcamp shale assessment is nearly three times larger than that of the 2013 USGS Bakken-Three Forks resource assessment, making this the largest estimated continuous oil accumulation that USGS has assessed in the United States to date.

<https://www.usgs.gov/news/usgs-estimates-20-billion-barrels-oil-texas-wolfcamp-shale-formation>

<https://pubs.er.usgs.gov/publication/fs20163092>

## Natural Gas

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### Update: Transco Reports Segments of Its Leidy Line in Pennsylvania to Return to Full Operating Pressure in Early December

Transco reported a segment of its Leidy Line “B” between Stations 517 and 515 was in the process of being returned to full operating pressure and additional pipeline segments were expected to be completed and returned to full operating pressure in early December 2016. On June 11, 2015, Transco declared force majeure due to a pipeline failure on its Leidy system in Lycoming County, Pennsylvania. Transco said it did not anticipate any impact to primary firm transportation services moving west to east through the Station 515 although the reduced maximum operating pressure on some remaining segments of the Leidy system will decrease system operating flexibility. The 10,200-mile Transco pipeline system from South Texas to New York City, with seasonal storage capacity of 197 Bcf, moves gas from the U.S. Gulf Coast and Appalachia to customers in the Southeast, Mid-Atlantic, and Northeast.

<http://www.1line.williams.com/1Line/wgp/download?delvid=7638676&hfNoticeFlag=Y&hfDownloadFlag=false&hfFileName=download.html>

## Other News

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Nothing to report.

## International News

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### Update: Nigeria’s Forcados Crude Oil Exports Unlikely to Resume until Early 2017 – Traders

Exports of Nigeria’s Forcados crude oil are unlikely to resume until early 2017, traders said on Wednesday after force majeure was declared in February following a militant attack on the Trans Forcados main export pipeline. The pipeline resumed operations in October, allowing some cargoes to load, but new militant attacks earlier in November have again prompted closure of the pipeline.

Reuters, 8:27 November 16, 2016

## Energy Prices

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U.S. Oil and Gas Prices			
November 16, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b>			
<b>West Texas Intermediate U.S.</b>	45.51	44.91	41.63
\$/Barrel			
<b>NATURAL GAS</b>			
<b>Henry Hub</b>	2.49	2.33	2.01
\$/Million Btu			

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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