



# ENERGY ASSURANCE DAILY

Monday Evening, October 31, 2016

## ***Electricity***

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### **Exelon's 850 MW Dresden Nuclear Unit 3 in Illinois Reduced to 1 Percent by October 31**

On the morning of October 30 the unit was operating at 75 percent.

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

### **Update: Entergy's 1,075 MW Waterford Nuclear Unit 3 in Louisiana Restarts, Ramps Up to 13 Percent by October 31**

The unit was shut from full power on October 25 due to unknown causes.

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

### **Update: Entergy's 858 MW Arkansas Nuclear Unit 2 in Arkansas Restarts October 28, Ramps Up to 96 Percent by October 29**

On the morning of October 28 the unit had restarted and was operating at 26 percent. The unit shut from full power on September 28 due to an inoperable diesel generator.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160929en.html>

### **Solar Partners' 123 MW Ivanpah Solar Unit 1 in California Shut by October 30**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201610301515.html>

### **NRC to Discuss Potential PG&E Violation at Its 2,323 MW Diablo Canyon Nuclear Plant in California November 15**

The Nuclear Regulatory Commission (NRC) on November 15 will discuss PG&E Corp's failure to adequately maintain an emergency reactor core cooling system at its Diablo Canyon nuclear power plant in California. During a scheduled test in May 2016, maintenance issues were discovered that identified one of the plant's emergency core cooling systems had been inoperable for an extended period of time. According to the NRC, the cooling system may have been inoperable as early as October 2014, yet the NRC preliminarily determined that the finding had low to moderate safety significance. After the test in May, PG&E corrected the condition and implemented changes to its maintenance procedures in order to prevent recurrence.

Reuters, 15:48 October 28, 2016

### **NextEra Energy to Acquire Oncor Electric through Merger with Texas Transmission Holdings October 31**

NextEra Energy, Inc. on Monday announced it reached an agreement for an affiliate to merge with Texas Transmission Holdings Corp (TTHC), which if approved, would provide NextEra with 100 percent ownership of Oncor Electric Delivery Company. Oncor operates the largest network of transmission and distribution power lines in Texas spanning more than 121,000 miles. NextEra expects the deal to close in the first quarter of 2017.

<http://www.nexteraenergy.com/news/contents/2016/103116.shtml>

Reuters, 8:19 October 31, 2016

### **Valero Reports Process Unit Upset at Its 335,000 b/d Port Arthur, Texas Refinery October 30**

Valero Energy Corp reported a process unit upset and emissions at its Port Arthur, Texas refinery, according to a filing with the Texas Commission on Environmental Quality. Valero said procedures were followed to minimize emissions and mitigate the upset at the refinery.

Reuters, 21:54 October 30, 2016

### **Update: Cogeneration Plant at Total's 225,500 b/d Port Arthur, Texas Refinery Shut Due to Mechanical Problems October 30 – Sources**

Sources familiar with operations at Total SA's Port Arthur, Texas refinery said the refinery's cogeneration plant restarted on Friday, but was shut again on Sunday resulting from mechanical problems – the plant's second unplanned closure in the month of October. Previously the plant was shut on October 23, which forced the refinery to temporarily operate on third-party steam supply purchased from the neighboring BASF SE chemical plant.

Reuters, 22:10 October 30, 2016

### **PUC Approves Environmental Review of Enbridge's 760,000 b/d Line 3 Replacement Project in Minnesota October 28**

The Minnesota Public Utilities Commission (PUC) on Friday approved plans for conducting an environmental review of Enbridge Energy's proposal to replace its Line 3 crude oil pipeline, a necessary requirement before construction can begin in Minnesota. Line 3 is an existing 390,000 b/d, 1,097-mile crude oil pipeline, originally installed in the 1960s, that extends from Edmonton, Alberta to Superior, Wisconsin, and is an integral part of Enbridge's Mainline System. The Line 3 Replacement Program is an integrity and maintenance driven project consisting of 1,031 miles of 36-inch diameter pipeline that would replace the nearly 60-year-old-pipeline and expand capacity to 760,000 b/d.

Reuters, 18:31 October 31, 2016

<http://www.enbridge.com/projects-and-infrastructure/projects/line-3-replacement-program-us>

<http://www.enbridge.com/~media/Enb/Documents/Projects/US/ENBLine3Public%20AffairsProject%20SummaryFINALEmail.pdf?la=en>

## **Natural Gas**

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### **Southern Union Reports Compressor Unit Shut at Its 140 MMcf/d Keystone Gas Plant in Texas October 27**

Southern Union reported compressor unit 20 was shut due to a leaking fuel valve at its Keystone, Texas gas plant. Upon replacing the fuel valve, a hole was also discovered in one of the compressor's the power pistons, preventing it from resuming operations. Crews replaced both the fuel valve and the power piston in order to resume operations.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=246189>

### **Dominion Midstream to Acquire Questar Pipeline Natural Gas Assets in Colorado, Utah, and Wyoming**

Dominion Midstream Partners and Dominion Resources on Monday announced that Dominion Midstream will acquire Questar Pipeline LLC from Dominion Resources for approximately \$1.725 billion, including debt. Questar owns and operates more than 2,500 miles of natural gas pipelines in Colorado, Utah, and Wyoming with a cumulative transmission capacity of 2.53 Bcf/d. Dominion Midstream is a partnership formed by Dominion Resources to develop a portfolio of natural gas processing, storage, transportation assets. The acquisition has an anticipated effective date of December 1, 2016.

<http://www.prnewswire.com/news-releases/dominion-midstream-to-acquire-questar-pipeline-300353945.html>

[http://www.questarpipeline.com/landing/about\\_qpc.php](http://www.questarpipeline.com/landing/about_qpc.php)

## Canadian Government Approves TransCanada's NGTL Pipeline Expansion in Alberta October 31

TransCanada Corp on Monday said the Canadian government approved the company's \$1.3 billion NGTL System Expansion Project, providing additional capacity to meet the needs of its shippers. The expansion project includes five new pipeline sections totaling more than 140 miles and the addition of two compressor stations. TransCanada expects the project to be partially in-service in the second quarter of 2017, with the entire project expected to be completed by the first half of 2018. TransCanada's NGTL System is a 14,600-mile pipeline system gathering natural gas for use in Alberta and delivery to provincial border points for export to North American markets. The system is one of the largest in North America and gathers 66 percent of the natural gas produced in western Canada.

<http://news.gc.ca/web/article-en.do?nid=1145209&tp=1>

Reuters, 11:30 October 31, 2016

### Other News

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Nothing to report.

### International News

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Nothing to report.

### Energy Prices

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U.S. Oil and Gas Prices			
October 31, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	46.78	50.13	46.55
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.65	2.89	2.10

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**

*Energy Assurance Daily* provides a summary of public information concerning current energy issues. Published Monday through Friday to inform stakeholders of developments affecting energy systems, flows, and markets, it provides highlights of energy issues rather than a comprehensive coverage. *Energy Assurance Daily* is updated online Monday through Friday after 5:00 p.m. ET. For more information, visit the Infrastructure Security and Energy Restoration (ISER) website at:

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

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