



U.S. DEPARTMENT OF ENERGY  
Office of Electricity Delivery and Energy Reliability  
Infrastructure Security and Energy Restoration

# ENERGY ASSURANCE DAILY

Monday Evening, December 21, 2015

## *Electricity*

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### **Exelon's 1,134 MW Limerick Nuclear Unit 2 in Pennsylvania Restarts, Ramps Up to 23 Percent by December 21**

The unit shut from full power on December 19 due to low reactor water level.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20151221en.html>

### **FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Reduced to 85 Percent by December 21**

FirstEnergy Corp on Monday said unit 1 was reduced from full power over the weekend to perform a control rod sequence exchange and complete turbine valve testing. The plant was expected to reach full capacity on Monday.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

Reuters, 12:25 December 21, 2015

### **Update: Duke Energy's 1,129 MW Catawba Nuclear Unit 1 in South Carolina Ramps Up to 97 Percent by December 20**

On the morning of December 19 the unit was operating at 51 percent after restarting on December 17. The unit shut from 95 percent on November 21.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

### **Update: Entergy's 836 MW Arkansas Nuclear Unit 1 in Arkansas at Full Power by December 19**

On the morning of December 18 the unit had restarted and was operating at 1 percent. The unit shut from 65 percent on December 15 due to loss of feed to one steam generator.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20151216en.html>

### **Alta Wind's 168 MW Unit 5 in California Returns to Service by December 18**

The unit returned from an unplanned outage on December 17.

<http://content.aiso.com/unitstatus/data/unitstatus201512181515.html>

### **Calpine's 525 MW Sutter Gas-fired Unit in California Shut by December 18**

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201512181515.html>

### **California Lieutenant Governor Orders Environmental Review of PG&E's 2,240 MW Diablo Canyon Nuclear Plant December 18**

California's lieutenant governor on Friday directed the State Lands Commission to draw up a plan for a thorough environmental review of PG&E's Diablo Canyon power plant, the state's last operational nuclear power plant located on the coastline in San Luis Obispo County. State leases for two structures associated with the power plant are set to expire in 2018 and 2019, respectively, and PG&E is seeking extensions through 2025. The lieutenant governor said the plant should have to pass a broad California Environmental Quality Act review, which it was not subject to prior to opening in 1985. The State Lands Commission has been asked to propose an environmental review for the plant by February 2016.

<https://twitter.com/gavinnewsom>

<http://finance.yahoo.com/news/california-lieutenant-governor-orders-environmental-014105680.html>

## **DTE to Build Two Solar Generating Projects Totaling 45 MW in Michigan**

DTE Energy, in collaboration with the City of Lapeer, Michigan, plans to break ground in the spring of 2016 on 45 MW of new solar generating capacity at two project sites. The 30 MW project will be the largest operating utility-owned photovoltaic solar array east of the Mississippi River, and the third largest in the country. A second 15 MW project will be developed simultaneously.

<https://dteenergy.mediaroom.com/2015-12-21-DTE-to-build-largest-utility-owned-solar-array-east-of-the-Mississippi>

## **Clean Line Energy Could Start Construction in 2017 on Wind Transmission Line from Oklahoma to Tennessee**

Officials with Clean Line Energy Partners say construction could begin in 2017 on a planned, 700-mile transmission line to carry wind-generated electricity across Oklahoma and Arkansas into Tennessee. The planned Plains and Eastern Clean Line would transmit wind power from undeveloped wind farms in the Oklahoma Panhandle to Memphis, Tennessee, where it would interconnect to the Tennessee Valley Authority transmission network. Clean Line's vice president for development expects the project to be operating by 2020.

Reuters, 1:31 December 19, 2015

## ***Petroleum***

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### **Enbridge Restarts Line 9 in Ontario after Shutdown Due to On-Site Protests December 21**

Enbridge Inc. on Monday morning said it shut its Line 9 for safety reasons due to an on-site protest at a remote valve facility in Sarnia, Ontario. The protesters were safely removed from the site by authorities, said Enbridge. The pipeline was restarted at normal rate at approximately 11:00 a.m. EST on Monday. There was no impact on deliveries, the company said. Line 9 carries crude oil from Sarnia, Ontario, to Montreal.

Reuters, 10:26 December 21, 2015

Reuters, 15:08 December 21, 2015

### **U.S. Oil Drillers Add Rigs for First Time in Five Weeks December 18 – Baker Hughes**

Despite plummeting crude prices, U.S. energy firms added oil rigs for the first time in the last five weeks, data showed on Friday. For the week ending December 18, domestic drillers added 17 oil rigs bringing the total rig count up to 541, Baker Hughes Inc said, about a third of the 1,536 oil rigs operating in the same week a year ago. Since the end of the summer, drillers have cut 151 oil rigs.

Reuters, 1:06 December 21, 2015

### **PES Reports Alkylation Unit Startup, Flaring at Its 335,000 b/d Philadelphia, Pennsylvania Refinery December 11, 13**

Philadelphia Energy Solutions (PES) reported the start-up of an alkylation unit at the Point Breeze section of its Philadelphia, Pennsylvania refinery on December 11. On December 13, the company reported mechanical issues necessitated controlled flaring at the Girard Point section of the Philadelphia refinery.

Reuters, 3:02 December 18, 2015

### **Update: ExxonMobil Shuts Hydrocracker after Fire at Its 502,000 b/d Baton Rouge, Louisiana Refinery December 18 – Sources**

ExxonMobil Corp shut a hydrocracker at its refinery in Baton Rouge, Louisiana, after an explosion and fire early on Friday, sources familiar with refinery operations said. A tower on the 23,000 b/d hydrocracking unit was leaning after the early-morning fire and explosion, the sources said. Energy News Today reported on Friday that the unit had been slated for planned work in late January, and would likely remain shut until then if damage assessments were substantial. ExxonMobil said the refinery continued to meet all contractual commitments.

Reuters, 12:20 December 18, 2015

### **ExxonMobil Says Sheen on Des Plaines River Not Related to Its 238,600 b/d Joliet, Illinois Refinery December 20**

ExxonMobil Corp reported finding a sheen near its wharf on the Des Plaines River on Sunday that was reported to Federal and State regulators as required. The company said the Coast Guard later confirmed the source was a barge and not related to ExxonMobil's Joliet, Illinois refinery. ExxonMobil said the refinery's oil spill response team was deployed to isolate and clean up the sheen.

Reuters, 8:28 December 21, 2015

### **Total Reports Normal Operations after Equipment Upset at Its 225,500 b/d Port Arthur, Texas Refinery December 17**

Total said its Port Arthur, Texas refinery was operating normally after an unexpected upset of equipment within the distillate hydrotreater unit.

Reuters, 2:01 December 18, 2015

### **Valero Reports Emissions at Its 205,000 b/d Corpus Christi, Texas Refinery December 20**

Valero Energy Corp on Sunday reported emissions at its Corpus Christi, Texas refinery, according to a filing with the National Response Center.

Reuters, 9:58 December 21, 2015

### **Petrobras Reports Operations Normal after FCCU Upset at Its 100,000 b/d Pasadena, Texas Refinery December 19**

Petrobras on Saturday reported an upset in the fluid catalytic cracking unit (FCCU), according to a filing with the Texas Commission on Environmental Quality. The company reported normal operations resumed at the refinery later on Monday.

Reuters, 9:25 December 20, 2015

Reuters, 14:56 December 21, 2015

### **Update: Tesoro Says Its 166,000 b/d Martinez, California Refinery Resumes Normal Operations December 18**

Tesoro's Martinez refinery in the San Francisco Bay area resumed normal operations following an upset earlier in the week, a company spokesperson said on Friday. The refinery's primary steam generation unit went down on December 15, causing an upset at several process units. The refinery had been running at reduced rates.

Reuters, 12:59 December 18, 2015

### **Fire Reported at Phillips 66's 101,000 b/d Ferndale, Washington Refinery December 18**

A fire was reported on Friday night at Phillips 66's refinery in Ferndale, Washington. Emergency responders from Phillips 66 immediately extinguished the fire and the incident was under investigation. The company did not say whether the fire had impacted operations, or which units were impacted by the fire.

Reuters, 15:02 December 21, 2015

### **BP Buys Devon Energy's Oil, Gas Assets in New Mexico December 18**

BP Plc on Friday said its U.S. onshore unit acquired all of Devon Energy Corp's oil and gas properties in the San Juan Basin in New Mexico. BP said expects to take over operation of the 480 wells in the first quarter of 2016 after receiving required government agency approvals.

Reuters, 4:50 December 18, 2015

## ***Natural Gas***

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### **Tennessee Gas Pipe Line Reports Emergent Repair Issue at Station 261 in Massachusetts December 19**

Tennessee Gas Pipe Line on Saturday reported an emergent repair issue on the engine for Unit D1 at Station 261 near Agawam, Massachusetts. The company estimated the current impact to be up to 100,000 Dths.

[http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP&notc\\_nbr=358002&date=12/21/2015&subject=&notc\\_type=-1&notc\\_sub\\_type=-1&notc\\_ind=C](http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP&notc_nbr=358002&date=12/21/2015&subject=&notc_type=-1&notc_sub_type=-1&notc_ind=C)

### **Southern Union Reports Units Shut at Its 140 MMcf/d Keystone Gas Plant in Texas December 19**

Southern Union reported continuous down time on compressor 23 due to issues with the oil and water temperatures. The company also reported a fire in unit 24 due to a coolant leak. Repairs were being made to compressor 23 and unit 24 in order to return the plant to normal operations.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=224712>

## Other News

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### Liberty Utilities Reports Malfunction, Carbon Monoxide Leak at Its Propane Production Plant in New Hampshire December 19

Liberty Utilities on Saturday morning reported its propane production plant in Keene, New Hampshire experienced an issue that affected the propane/air mixture flowing into the distribution system.. By Saturday night, the company said the problem was well on its way to being resolved. Liberty Utilities officials have confirmed that the gas in the distribution system returned to normal and crews from Liberty along with fire officials were going door-to-door insuring that there were no elevated carbon monoxide levels in homes and businesses.

[https://twitter.com/LibertyUtil\\_NH?ref\\_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor](https://twitter.com/LibertyUtil_NH?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor)  
[http://www.libertyutilities.com/east/gas/about/news\\_12-19-15a.html](http://www.libertyutilities.com/east/gas/about/news_12-19-15a.html)

## International News

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### Eni Declared Force Majeure on Nigeria's LNG Export Plant Loadings Due to Sabotage December 16

Eni declared force majeure on loadings from Nigeria's LNG export plant due to pipeline sabotage, a spokesman said on Monday. The company made the declaration on December 16 because of an act of sabotage on the Ogoda-Brass transport line. Nigeria LNG's export plant at Bonny Island can produce 22 million metric tonnes of liquefied gas per year.

Reuters, 9:26 December 21, 2015

## Energy Prices

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| U.S. Oil and Gas Prices<br>December 21, 2015                         |       |          |          |
|--|-------|----------|----------|
|  | Today | Week Ago | Year Ago |
| <b>CRUDE OIL</b><br><b>West Texas Intermediate U.S.</b><br>\$/Barrel | 34.50 | 36.26    | 55.60    |
| <b>NATURAL GAS</b><br><b>Henry Hub</b><br>\$/Million Btu             | 1.70  | 1.77     | 3.67     |

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)*