



# ENERGY ASSURANCE DAILY

Monday Evening, May 19, 2014

## *Electricity*

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### **Dominion's 871 MW Millstone Nuclear Unit 2 in Connecticut Ramped Up to 63 Percent by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was operating at 20 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Entergy's 653 MW Pilgrim Nuclear Unit 1 in Massachusetts Ramped Up to 73 Percent by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was not operating. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Southern's 839 MW Farley Nuclear Unit 2 in Alabama at Full Power by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was operating at 14 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Exelon's 1,022 MW Clinton Nuclear Unit in Illinois Ramped Up to 95 Percent by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was operating at 85 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Exelon's 850 MW Dresden Nuclear Unit 3 in Illinois at Full Power by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was operating at 70 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Exelon's 1,111 MW La Salle Nuclear Unit 1 in Illinois at Full Power by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was operating at 69 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Ramped Up to 94 Percent by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was operating at 72 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Exelon's 855 MW Quad Cities Nuclear Unit 1 in Illinois at Full Power by May 19**

The Nuclear Regulatory Commission reported that on the morning of May 18 the unit was operating at 80 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Exelon's 1,116 MW Peach Bottom Nuclear Unit 2 in Pennsylvania at Full Power by May 18**

The Nuclear Regulatory Commission reported that on the morning of May 17 the unit was operating at 55 percent.

Information derived from the NRC Power Reactor Status Reports:  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **NMC's 522 MW Prairie Island Nuclear Unit 2 in Minnesota Shut by May 18**

The Nuclear Regulatory Commission reported that on the morning of May 17 the unit was operating at full power. Information derived from the NRC Power Reactor Status Reports:  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Luminant's 1,150 MW Comanche Peak Nuclear Unit 1 in Texas at Full Power by May 18**

The Nuclear Regulatory Commission reported that on the morning of May 17 the unit was operating at 85 percent. Information derived from the NRC Power Reactor Status Reports:  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Dominion Breaks Ground on 1,360 MW Natural Gas-fired Combined Cycle in Brunswick County, Virginia May 16**

Dominion Virginia Power officially broke ground Friday on its 1,360 MW Brunswick County power station in Virginia. The combined-cycle power station was originally approved in August 2013, and construction started in September. The project is approximately 17 percent complete and is scheduled to be completed and operating in summer 2016. It will use natural gas to fire three combustion turbines to generate approximately 810 MW, and the heated air from the combustion turbines will be captured and used to operate another turbine that will produce 550 MW. Total output will provide electricity for about 340,000 homes and replace electricity from aging coal-fired power stations.  
<http://finance.yahoo.com/news/dominion-hosts-groundbreaking-event-brunswick-185900078.html>

### **Duke Energy Announces Plans to Build 750 MW Natural Gas Plant in South Carolina May 16**

Duke Energy Corp. said Friday it plans to build a 750 MW natural gas power plant in Anderson County, South Carolina at the site of the existing Lee Steam coal-fired facility. The North Carolina Electric Membership Corporation will own 100 MW of the project. Construction is scheduled to begin in summer 2015, with the plant ready to begin commercial operations in November 2017. This announcement follows closely on the heels of Duke's announcement that it plans to build three natural gas-fired power plants in Florida to help cover that state's energy demands.  
<http://www.duke-energy.com/news/releases/2014051601.asp>

### **Security Experts Warn U.S. of Cybersecurity Risks at Summit May 16**

The United States electric grid is "dangerously vulnerable" to hacking, security experts said at the Reuters Cybersecurity Summit in Washington, DC, Friday. Some experts said the problem stems from programmable logic controllers that are used to control processes in energy plants, water treatment facilities, factories, and other industries. Because these controllers are designed to blindly follow commands, someone would only need to hack into the system and send "malicious" instructions to cause explosions at energy facilities or chemical plants. The Department of Homeland Security's Industrial Control Systems Cyber Emergency Response Team told attendees that it responded to reports of 256 cyber incidents in 2013, with more than half in the energy sector. This is double the agency's 2012 case load. However, there were no incidents that caused a major disruption. Reuters, May 19, 2014

## ***Petroleum***

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### **Motiva Reports Emissions at Its 600,000 b/d Port Arthur, Texas Refinery May 16**

Motiva's Port Arthur, Texas refinery experienced a loss of primary containment that resulted in the release of emissions in excess of a reportable quantity, according to a report filed with the Texas Commission on Environmental Quality. Operators stopped the loss of containment and minimized any air impacts.  
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=198457>

### **ExxonMobil Shuts Tank at Its 344,500 b/d Beaumont, Texas Refinery May 19**

ExxonMobil Corp. reported it had taken a roof tank out of service at its Beaumont, Texas refinery Monday, after the roof on a floating roof tank failed and caused air emissions. The company said there was no spill and it anticipated no impact on production.  
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=198135>

## **Natural Gas**

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### **DCP Midstream Reports Turbine, Pump Failure at Its 80 MMcf/d Goldsmith Gas Plant in Texas May 16**

DCP Midstream reported ESD valve OW-19 closed and B-turbine went on high suction pressure at its Goldsmith gas plant Friday. Operators reset the ESD valve and started the turbines back up. Earlier that day, the #22 engine went down on JW pump failure and was quickly repaired.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=198453>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=198456>

### **Enbridge Reports AGIs Tripped at Its Tilden Gas Plant in Texas May 16**

Enbridge on May 16 reported to the Texas Commission on Environmental Quality that acid gas injectors (AGIs) tripped due to low suction pressure from the wood group pumps resulting from inlet ESD shutdown from high liquid level in the BF slug catcher after receiving a pig. Operators immediately started separating liquids in the slug catcher until the liquid high level cleared and gas flow was restored to the plant. As acid gas became available the AGI's were restarted and stabilized.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=198451>

## **Other News**

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Nothing to report

## **International News**

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### **Vandals Allegedly Cause Pipeline Explosion at Nigeria's 210,000 b/d Port Harcourt Refinery May 18**

Nigerian officials said Monday that pipeline vandals caused an explosion at a jetty near Nigeria's 210,000 b/d refinery in the southern oil hub of Port Harcourt. At least seven people died in the explosion, but officials said there was no damage to installations and no impact on oil operations.

[http://businessdayonline.com/2014/05/vandals-responsible-for-blast-at-port-harcourt-refinery/#.U3oElds\\_zOU](http://businessdayonline.com/2014/05/vandals-responsible-for-blast-at-port-harcourt-refinery/#.U3oElds_zOU)

### **Azerbaijan Officials to Lower Gas Exports in 2014**

State Oil Company of the Azerbaijan Republic (SOCAR) said Monday exports of natural gas in 2014 will be 2.6 billion cubic meters (bcm), down from 2.84 bcm in 2013, due in part to lower amounts being exported to Russia. Azerbaijan suspended gas shipments to Russia on January 13, citing maintenance work on a motorway between the Azeri capital Baku and the Russian border adjacent to the pipeline. It has not yet resumed Russian shipments. SOCAR exported 36 million cubic meters (mcm) of gas to Russia in the first four months of 2014, down from 684 mcm in the same period last year. It exported 575 mcm to Georgia, up from 419 mcm, and sent 151 mcm to Iran versus 149 mcm in the same period a year earlier. Azerbaijan's total gas production was 29.2 bcm in 2013. It plans to produce 27 to 28 bcm this year.

[http://www.rigzone.com/news/oil\\_gas/a/133146/Azerbaijans\\_SOCAR\\_to\\_Lower\\_Gas\\_Exports\\_in\\_2014](http://www.rigzone.com/news/oil_gas/a/133146/Azerbaijans_SOCAR_to_Lower_Gas_Exports_in_2014)

## Energy Prices

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U.S. Oil and Gas Prices			
May 19, 2014			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	102.66	100.65	96.72
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.52	4.71	4.09

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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*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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