



ENERGY ASSURANCE DAILY

Thursday Evening, December 01, 2016

Electricity

Exelon's 802 MW Three Mile Island Nuclear Unit 1 in Pennsylvania Shut December 1

The unit was shut from full power to repair a pump that helps control the temperature of the reactor.

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

<http://www.ydr.com/story/news/2016/12/01/tmi-shuts-down-unit-1-reactor-repair-pump/94727026/>

Update: Southern's 830 MW Farley Nuclear Unit 1 in Alabama at Full Power by December 1

On the morning of November 30 the unit was operating at 78 percent after restarting on November 29. The unit was shut from full power on November 27 due to voltage oscillations.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20161128en.html>

Update: San Diego Gas & Electric's 575 MW Palomar Energy Center Gas-fired Unit in California Returns to Service by November 30

The unit returned from an unplanned curtailment of 374 MW that began on November 29.

<http://content.caiso.com/unitstatus/data/unitstatus201611301515.html>

AES's 336 MW Alamos Gas-fired Unit 4 in California Shut by November 30

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201611301515.html>

NRC Issues Fine for Fire Watch Violations at TVA's 3,494 MW Browns Ferry Nuclear Plant in Alabama November 30

The U.S. Nuclear Regulatory Commission (NRC) on November 30 issued the Tennessee Valley Authority (TVA) a \$140,000 civil penalty for fire watch violations after a May 2015 investigation of its Browns Ferry nuclear plant near Athens, Alabama. The investigation found that five contract workers deliberately failed to conduct fire watch patrols when fire protection equipment was out of service.

<http://www.timesfreepress.com/news/business/aroundregion/story/2016/nov/30/tvfined-140000-fire-watch-violations-browns-f/400369/>

NRC Approves Operating License Transfer of Talen's 2,216 MW Susquehanna Nuclear Plant in Pennsylvania to Riverstone Holdings December 1

The Nuclear Regulatory Commission (NRC) on Thursday approved an indirect transfer of the operating licenses for Talen Energy's Susquehanna Nuclear units 1 and 2 to affiliates of Riverstone Holdings as part of Riverstone's acquisition of Talen Energy. Unit 1 is licensed to operate through July 17, 2042, while Unit 2's license expires March 23, 2044. The plant is currently operated by a subsidiary of Talen, Susquehanna Nuclear LLC, which holds a 90-percent ownership stake in the plant. The indirect transfer does not affect the remaining 10 percent, held by Allegheny Electric Cooperative Inc.

<http://www.nrc.gov/reading-rm/doc-collections/news/2016/16-070.pdf>

Update: Valero Shuts HCU at Its 190,000 b/d Memphis, Tennessee Refinery December 1 after Restart November 30 – Sources

Valero Energy Corp shut the 33,000 b/d hydrocracker (HCU) at its Memphis, Tennessee refinery on Thursday, one day after the unit restarted following six weeks of planned work and unplanned repairs. Thursday's closure marks the second occasion the unit has shut down shortly after restarting. The HCU was shut on November 17, the day after restarting from a 30-day planned overhaul, and was down for an additional 13 days of unplanned repairs before restarting on Wednesday.

Reuters, 15:04 December 1, 2016

Reuters, 15:04 November 30, 2016

Update: Motiva to Complete Coker Restart at Its 235,000 b/d Norco, Louisiana Refinery December 1 – Sources

Motiva Enterprises expects to complete the restart of the 25,000 b/d delayed coking unit late on Thursday at its Norco, Louisiana refinery, sources familiar with plant operations said on Thursday. The restart began Thursday morning after the delayed coker was shut on Monday to repair a leak, the sources said.

Reuters, 12:53 December 1, 2016

Alon Reports Mechanical Trip, Emissions at Its 70,000 b/d Big Spring, Texas Refinery November 30

Alon USA Energy on Thursday reported an equipment malfunction that affected boiler units at its Big Spring, Texas refinery, according to a filing with the Texas Commission on Environmental Quality. The company said boiler #23 experienced a blower mechanical trip while boiler #24 was offline. The company restarted boiler #24 until operations could be restored on boiler #23. Alon also reported emissions from a crude unit, a hydrodesulfurization unit, a reformer unit, and a fluid catalyst cracking unit.

Reuters, 18:16 November 30, 2016

Shell Completes Project to Increase HCU Production by 14,000 b/d at Its Scotford, Alberta Refinery December 1

Royal Dutch Shell said it completed a project at its Scotford, Alberta refinery that will increase the hydrocracker unit's (HCU) production capacity by 20 percent, or about 14,000 b/d. Shell said the unit was debottlenecked by replacing its reactor vessels, compressors, and feed pumps to allow greater volumes of heavy oil to be processed.

Reuters, 10:45 December 1, 2016

BP Approves 140,000 b/d Mad Dog Expansion Project in Deepwater Gulf of Mexico December 1

BP on Thursday announced it approved a \$9-billion investment to expand oil and gas production from its Mad Dog field located about 190 miles south of New Orleans in the U.S. Gulf of Mexico. The second phase of BP's Mad Dog project would add capacity to pump an additional 140,000 b/d to a project that currently produces about 80,000 b/d of oil and about 60 MMcf/d of natural gas. The expansion will involve the installation of a new floating production facility about six miles from the existing platform, which will include up to 14 new production wells. The project is expected to begin production in late 2021, but will need to be approved by partnering companies, BHP Billiton and Chevron's Union Oil Company of California.

http://www.bp.com/en_us/bp-us/media-room/press-releases/bp-approves-mad-dog-phase-2-project-in-the-deepwater-gulf-of-mexico.html

Natural Gas

Update: ENPG Lifts Strained Operating Conditions in U.S. Southwest December 1

El Paso Natural Gas Company (EPNG) on Thursday lifted the Strained Operating Condition notice that was issued on November 30. On November 29, EPNG said it was concerned about the potential for a low linepack situation due to actual offtakes in excess of scheduled deliveries. The company said linepack started Tuesday morning at 7,385 MMcf, which was a decrease of approximately 233 MMcf compared to linepack on Monday morning. Kinder Morgan's approximately 10,200-mile El Paso Natural Gas pipeline system transports natural gas from the San Juan, Permian and Anadarko basins to California—its largest market. In addition, EPNG moves product to Arizona, Nevada, New Mexico, Oklahoma, Texas, and northern Mexico.

<http://passportebb.elpaso.com/ebbmasterpage/Notices/NoticesAutoTable.aspx?code=EPNG&status=Notice&name=Critical%20Notices&sParam1=1&sParam3=16593&sParam4=D&details=Y>

DOE Authorizes LNG's Magnolia LNG Export Project in Louisiana December 1

Liquefied Natural Gas Limited (LNG) on Thursday announced that the U.S. Department of Energy (DOE) granted authorization for LNG's Magnolia LNG Project to export liquefied natural gas (LNG) from the proposed facility in Lake Charles, Louisiana to countries in which the United States has not entered into a free trade agreement (non-FTA approval). Magnolia LNG had requested authorization to export LNG an amount up to 4 million metric tons per annum, approximately 0.54 Bcf/day, over a 25-year period.

http://www.lnglimited.com.au/irm/PDF/4008_0/MagnoliaLNGProjectUpdatefromDOE

FERC Issues Final Environmental Impact Statement for NEXUS' Gas Transmission, Texas Eastern's Appalachian Lease Projects

The Federal Energy Regulatory Commission (FERC) on Wednesday prepared a final environmental impact statements (EIS) for the NEXUS Gas Transmission Project proposed by NEXUS Transmission, and the Appalachian Lease Project proposed by Texas Eastern Transmission. NEXUS and Texas Eastern have requested authorization to construct, own, and operate new natural gas pipeline systems in Ohio and Michigan. The projects would provide for the transportation of 1.5 Bcf/d of natural gas from the Appalachian Basin to markets in Northern Ohio and Southeastern Michigan, as well as the Dawn Hub in Ontario, Canada. The final EIS addresses the potential environmental effects of the construction and operation of 261.4 miles of pipeline. FERC's positive impact statement is a major milestone for keeping both projects on track for final regulatory approvals.

<https://www.ferc.gov/industries/gas/enviro/eis/2016/11-30-16-eis.asp>

Other News

Update: Enterprise Says East Red Line Fire, Shutdown Will Not Impact Midwest Propane Customers

Enterprise Products Partners' on Thursday said the outage on its East Red Line should not disrupt propane supply to retailers in the Midwest. The affected pipeline, a segment of Enterprise's Mid-America pipeline system, was shipping a mixture of ethane/propane to the Midwest when a fire broke out near Kansas City, Missouri. Enterprise isolated the pipeline segment and plans to further investigate the rupture. The East Red Line transports natural gas liquids (NGLs) from the large NGL storage hub in Conway, Kansas, to Iowa City, Iowa and Morris, Illinois, where LyondellBasell operates a petrochemical plant. The Mid-America pipeline system ships several grades of NGLs, including ethane/propane mix, which can be used by petrochemical operators in the production of ethylene.

<http://www.lpgasmagazine.com/enterprise-products-partners-responds-to-pipeline-fire/>

Reuters, 22:24 November 29, 2016

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
December 1, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	51.03	46.62	40.53
NATURAL GAS Henry Hub \$/Million Btu	3.30	2.74	2.09

Source: Reuters

Links

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

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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