



ENERGY ASSURANCE DAILY

Tuesday Evening, December 13, 2016

Electricity

Update: Constellation's 565 MW Nine Mile Point Nuclear Unit 1 in New York Restarts, Ramps Up to 25 Percent by December 13

The unit shut from full power on December 10 due to high main turbine vibrations.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20161212en.html>

Exelon's 619 MW Oyster Creek Nuclear Unit in New Jersey Reduced to 45 Percent by December 13

On the morning of December 12 the unit was operating at 85 percent.

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

Update: Exelon's 802 MW Three Mile Island Nuclear Unit 1 in Pennsylvania Restarts December 12, Ramps Up to 97 Percent December 13

The unit was shut from full power on December 1 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/>

PG&E's 563 MW Gateway Gas-fired Unit in California Reduced by December 12

The unit entered an unplanned curtailment of 292 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201612121515.html>

NRC to Conduct Special Inspection of Energy Northwest's 1,200 MW Columbia Generating Station Nuclear Plant in Washington December 12

A three-member inspection team from the Nuclear Regulatory Commission (NRC) will begin inspecting Energy Northwest's Columbia Generating Station this week after the plant shipped nuclear waste containing high levels of radioactive contamination. Regulators on Monday said the plant shipped low-level nuclear waste to a commercial disposal site on November 9 where workers measured radiation levels seven times higher than reported in the shipping manifest. The NRC said Energy Northwest has been temporarily barred by the Washington Department of Health from sending waste to the disposal site. An Energy Northwest spokesman said that though the radioactivity of the source was higher than on the manifest, the dose received by those handling the shipment remained well below workplace safety standards.

http://www.oregonlive.com/environment/index.ssf/2016/12/feds_begin_special_inspection.html

Deepwater Wind's 30 MW Block Island Offshore Wind Farm Commences Commercial Operations in Rhode Island December 12

Deepwater Wind on Monday announced that the 30 MW Block Island Wind Farm completed its commissioning and testing phases and began commercial operations, marking the startup of the first commercial offshore wind farm in the United States. Electricity generated from Block Island will serve National Grid's New England service territory through National Grid's new sea2shore submarine transmission cable system. The system includes approximately 20 miles of submarine cable, five miles of underground cable, and two new substations—one on Block Island and one in Narragansett, Rhode Island.

<http://dwwind.com/press/americas-first-offshore-wind-farm-powers/>

http://www9.nationalgridus.com/aboutus/a3-1_news2.asp?document=10744

DOE, DHS Release Joint U.S.-Canada Electric Grid Security and Resilience Strategy December 12

The White House on Monday announced the publication of the Joint United States-Canada Electric Grid Security and Resilience Strategy (Strategy), a collaborative effort between the Federal Governments of the United States and Canada intended to strengthen the security and resilience of the U.S. and Canadian electric grid from all adversarial, technological, and natural hazards and threats. The Strategy addresses the vulnerabilities of the two countries' respective and shared electric grid infrastructure, not only as an energy security concern, but for reasons of national security. This joint Strategy relies on the existing strong bilateral collaboration between the U.S. and Canada, and reflects a joint commitment to enhance a shared approach to risk management for the electric grid. It also articulates a common vision of the future electric grid that depends on effective and expanded collaboration among those who own, operate, protect, and rely on the electric grid. Because the electric grid is complex, vital to the functioning of modern society, and dependent on other infrastructure for its function, the U.S. and Canada developed the Strategy under the shared principle that security and resilience require increasingly collaborative efforts and shared approaches to risk management. The Strategy will be implemented in accordance with forthcoming U.S. and Canadian Action Plans, which will each detail specific steps and milestones for achieving the Strategy's goals within their respective countries.

<http://energy.gov/oe/articles/white-house-announces-publication-joint-us-canada-strategy-and-action-plans-build-more>

https://www.whitehouse.gov/sites/whitehouse.gov/files/images/Joint_US_Canada_Grid_Strategy_06Dec2016.pdf

https://www.whitehouse.gov/sites/whitehouse.gov/files/image/National_Electric_Grid_Action_Plan_06Dec2016.pdf

Petroleum

Update: Cleanup Efforts Ongoing after True Companies' 24,000 b/d Belle Fourche Oil Pipeline Spills 4,200 Barrels in North Dakota

Officials with the North Dakota Department of Health on Tuesday said that True Companies' Belle Fourche pipeline spilled an estimated 4,200 barrels of crude oil on December 5, of which about 3,100 barrels entered the Ash Coulee Creek that feeds into the Little Missouri and Missouri Rivers. The State's Health Department said the section of pipeline where the leak occurred had been isolated, and that frigid temperatures and frozen water has slowed the movement of the crude downstream. A company spokeswoman on Tuesday said the cause of the leak was not yet known, and that the 24,000 b/d, 6-inch pipeline runs intermittently at rates as high as 1,000 barrels per hour. The spokeswoman added that monitoring equipment on the line did not detect the leak, possibly due to intermittent flow.

https://health.nd.gov/media/1572/2016-12-13-oilspillbillingsco_final.pdf

Reuters, 14:56 December 13, 2016

Update: PES Assessing Damage after Weekend Fire at Its 335,000 b/d Philadelphia, Pennsylvania Refinery December 13 – Sources

Philadelphia Energy Solutions (PES) was working to avoid moving up planned maintenance at its Philadelphia, Pennsylvania refinery following a weekend fire, but a final decision rests on the extent of fire damage to the 44,000 b/d unifier unit and the 44,000 b/d reformer unit, sources said on Tuesday. A fire broke out last Saturday in a heater on the unifier unit, but was quickly extinguished, and prior to the fire, both the unifier and the reformer were shut on December 1 for repairs. The loss of the units that provide hydrogen and steam to other portions of the plant have resulted in lower gasoline production, particularly high value premium grade fuel, a source said. PES declined comment on Tuesday, but the company is expected to finish assessing the fire damage by Wednesday. Sources said the company is trying to find a solution to bring the units back up and keep the turnaround scheduled for March, as currently planned.

Reuters, 11:39 December 13, 2016

Update: Flint Hills Reports FCCU Upset after Compressor Shutdown at Its 295,630 b/d Corpus Christi, Texas Refinery December 11

Flint Hills Resources reported the fluid catalytic cracking unit (FCCU) experienced an upset after the wet gas compressor unexpectedly shut at the west plant of its Corpus Christ, Texas refinery on December 11, according to a filing with the Texas Commission on Environmental Quality. Flint Hills pulled feed from the FCCU in a controlled manner which minimized emissions.

Reuters, 19:09 December 12, 2016

Update: LyondellBasell Restarts Units at Its 263,776 b/d Houston, Texas Refinery December 12 after Plant-Wide Power Outage December 11

LyondellBasell Industries restarted two crude distillation units (CDUs), a fluid catalytic cracking unit (FCCU), and a coker unit late on Monday at its Houston, Texas refinery following a brief, plant-wide power outage on Sunday. Lyondell began restarting units at the refinery on Sunday night, including the 147,000 b/d and 120,000 b/d CDUs, which distill crude oil into feedstocks for other units; the 90,000 b/d FCCU, the main gasoline-producing unit at the refinery; and the 57,000 b/d coker unit, which increases the amount of refinable material obtained from a barrel of oil and converts residual crude to petroleum coke, a coal substitute. Lyondell hopes to return the refinery to full production by Wednesday. There have been six power interruptions at the refinery this year including two plant-wide power outages, including Sunday's event.

Reuters, 20:17 December 12, 2016

Petrobras Reports Compressor Trip, Emissions at Its 112,229 b/d Pasadena, Texas Refinery December 12

Petrobras reported a compressor trip on December 12 at its Pasadena, Texas refinery that resulted in emissions, according to a filing with the Texas Commission on Environmental Quality. The flare gas recovery compressors were placed back online and resumed recovering gas, the filing added.

Reuters, 18:40 December 12, 2016

Small Unit Fire Extinguished at Sinclair Oil's 85,000 b/d Sinclair, Wyoming Refinery December 12

A small unit fire was contained at Sinclair Oil's refinery in Sinclair, Wyoming on Monday morning, according a local media report. The fire, which occurred at about 2.30 a.m. MST was contained to one of the refinery's four operating units and was fully extinguished by 5:00 a.m. MST. There were no injuries and the refinery was "never down," the report said.

Reuters, 18:52 December 12, 2016

http://www.rawlinstimes.com/no-injuries-after-sinclair-fire/article_b48518f2-c0bc-11e6-933d-574db71ae97e.html

Irving Oil Restarting FCCU at Its 300,000 b/d Saint John, New Brunswick Refinery after Brief Outage December 13 – Sources

Irving Oil began restarting the 70,000 b/d fluid catalytic cracking unit (FCCU) on Tuesday afternoon at its Saint John, New Brunswick refinery after the unit was unexpectedly shut Tuesday morning, according Energy News Today. The FCCU was restarted last week following a large turnaround at the refinery that began in late September.

Reuters, 15:50 December 13, 2016

Reuters, 9:24 December 13, 2016

North Dakota Oil Production Increases to 1.04 Million b/d in October – State Regulator

Oil production in North Dakota rose 71,000 b/d to 1,043,000 b/d in October, monthly data from the state Industrial Commission showed. The data was released on the North Dakota Industrial Commission's monthly index report page and has been rounded to the nearest 5,000 barrels. It may differ slightly from the commission's general statistics report, also available on its website.

Reuters 11:22 December 13, 2016

Natural Gas

Update: TGP Lifts Force Majeure at Its Station 264 Unit in Massachusetts December 12

Kinder Morgan's Tennessee Gas Pipeline Co. (TGP) lifted the force majeure for its Station 264 Unit 2C near Charlton, Massachusetts. TGP declared force majeure on December 2 due to an issue with the compressor bundle for Unit 2C. TGP is an approximately 11,800-mile pipeline system that transports natural gas from Louisiana, the Gulf of Mexico, and south Texas to the northeast section of the United States, including New York City and Boston.

http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP¬c_nbr=361753&date=12/13/2016&subject=¬c_type=-1¬c_sub_type=-1¬c_ind=C

Other News

Nothing to report.

International News

Colombia's 210,000 b/d Cano Limon Pipeline, Occidental Oilfield Restart after Attacks – Military

Occidental Petroleum Corp restarted crude production at its 50,000 b/d Cano Limon oilfield after a series of rebel attacks shut output and transport for several weeks, the military said on Monday. The 485-mile Cano Limon pipeline was also restarted after bomb attacks forced it to shut on November 17.

http://www.downstreamtoday.com/news/article.aspx?a_id=54638

Energy Prices

U.S. Oil and Gas Prices			
December 13, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	52.94	50.90	35.60
NATURAL GAS Henry Hub \$/Million Btu	3.57	3.60	1.91

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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