



ENERGY ASSURANCE DAILY

Monday Evening, November 09, 2015

Electricity

Dominion Shuts 871 MW Millstone Nuclear Unit 2 in Connecticut Due to Oil Leak November 8; Unit Restarts, Ramps Up to 27 Percent by November 9

Operators reported that early Sunday morning, during power ascension following refueling outage, decreasing oil levels in the 'C' Reactor Coolant Pump prompted a rapid down-power, per plant procedure, which brought the plant to approximately 15 percent power and a manual reactor trip was initiated at that point. The reactor trip was uncomplicated and all plant equipment responded as expected. Operators restarted the unit and ramped it up to 27 percent power by November 9, according to a filing with the U.S. Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20151109en.html>

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

Progress Energy's 872 MW Brunswick Nuclear Unit 1 in North Carolina Shut by November 8

On the morning of November 7 the unit was operating at 96 percent.

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

Southern's 839 MW Farley Nuclear Unit 2 in Alabama Shut by November 8

On the morning of November 7 the unit was operating at 75 percent, reduced from full power on the morning of November 6.

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

TVA's 1,125 MW Watts Bar Nuclear Unit 1 in Tennessee Shut by November 7

On the morning of November 6 the unit was operating at 73 percent.

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

Calpine's 880 MW Delta Aggregate Gas-fired Unit in California Reduced by November 6

The unit entered an unplanned curtailment of 320 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201511061515.html>

Calpine's 751 MW Pastoria Gas-fired Unit in California Reduced by November 7

The unit entered an unplanned curtailment of 263 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201511071515.html>

Calpine's 604 MW Otay Mesa Gas-fired Unit in California Shut by November 8

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201511081515.html>

Calpine's 593 MW Metcalf Gas-fired Unit in California Shut by November 8

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201511081515.html>

Dynegy's 510 MW Moss Landing Gas-fired Unit 1 in California Reduced by November 6

The unit entered an unplanned curtailment of 260 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201511061515.html>

BPA to Finalize EIS for 500-kV Transmission Line in Washington and Oregon by Year End

The Bonneville Power Administration (BPA) is expected to release its final environmental impact statement (EIS) on plans for its I-5 Corridor Reinforcement project by the end of 2015. The project, which proposed adding a 500 kV transmission line through Clark and Cowlitz counties will fortify the regional grid and meet demand, a spokesman said. The line, which was identified in 2012, would stretch between Castle Rock, WA, and Troutdale, OR, connecting to new substations at each end. About 80 miles of the proposed transmission line would cross the Columbia River. Final approval for the line is expected in 2016, with construction beginning as early as 2017, according to a spokesman.

<http://www.bpa.gov/Projects/Projects/I-5/Pages/default.aspx>

<http://registerguard.com/rg/news/local/33694289-75/bpa-plans-for-oregon-washington-power-line-on-horizon.html.csp>

USDA Awards Loans to Harden Rural Electric Infrastructure in Minnesota

The U.S. Department of Agriculture (USDA) Rural Development State Director in Minnesota announced on October 22 that nearly \$222 million in loans will be distributed to 16 utilities and cooperatives throughout the State to build and improve 12,000 miles of electrical distribution and transmission lines in rural communities.

<http://www.rd.usda.gov/newsroom/news-release/usda-awards-nearly-222-million-loans-16-rural-electric-infrastructure-projects>

Petroleum

Canadian Pacific Train Derails, Spills Crude Oil in Wisconsin November 8

A Canadian Pacific crude oil train derailed in Watertown, Wisconsin around 3:00 p.m. EDT on Sunday. Only one of the thirteen tanker cars that derailed was punctured and leaked less than 1,000 gallons of crude oil. By Sunday night, the company said that the leaking car had been sealed, the spilled product was contained and had been siphoned off, and no oil had reached a waterway. Residents of about 35 homes were asked to evacuate around 5:00 p.m. EDT. The incident came a day after a freight train derailed near Alma in western Wisconsin, spilling thousands of gallons of ethanol.

<http://www.reuters.com/article/2015/11/09/us-wisconsin-derailment-idUSKCN0SX0QL20151109#GiwIuqKJs381f11L.97>

<http://abcnews.go.com/US/wireStory/2nd-train-derails-wisconsin-days-spills-crude-oil-35057709>

Update: Magellan Restarts Pipeline Section Shut After Crude Spill in Oklahoma

Magellan Midstream Partners said a section of its pipeline near Billings, Oklahoma resumed normal operations on Saturday after being shut following a crude oil spill last Thursday. Repairs on the damaged section of the pipeline were completed Saturday afternoon, the company said in a statement. A 6-inch pipeline, stretching from Enid to Ponca City, was shut down after about 1,000 barrels of crude oil were released on Thursday evening. The spill was contained in the immediate area.

Reuters, 13:35 November 9, 2015

<http://www.topix.com/business/energy/2015/11/1-000-barrels-of-crude-spilled-from-pipeline-in-noble-county>

Compressor Shutdown Causes DCU Emissions at ExxonMobil's 560,500 b/d Baytown, Texas Refinery November 8

Operators reported operations were normal at its 560,500 b/d Baytown Refinery Sunday after an unplanned compressor shutdown resulted in emissions from a delayed coking unit (DCU) earlier that morning. The unit's rates were reduced, levels were re-established, and the compressor was returned to service to minimize emissions, according to the filing.

Reuters, 09:50 November 9, 2015

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=222758>

FCCU Pump Malfunction Results in Flaring at Flint Hill's 290,000 b/d Corpus Christi, Texas Refinery November 6

Flint Hills Resources reported flaring at its Corpus Christi West refinery on Friday night due to the loss of the #2 Vapor Recovery Unit charge pumps in the Fluidized Catalytic Cracking Unit. The cause of the incident is still under investigation. Operators later reported the #2 VRU charge pumps were restarted and that the flaring stopped.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=222753>

Tesoro Reports Unplanned Maintenance at Its 166,000 b/d Martinez, California Refinery November 9

Tesoro reported on Monday that its 166,000 b/d Martinez, California refinery was currently undergoing unplanned maintenance. Last Friday operators reported they were starting up an unspecified process unit at the refinery.
Reuters, 12:09 November 9, 2015
Reuters, 12:56 November 6, 2015

Chevron Reports Major Unit Shutdown, Maintenance at Its 245,271 b/d Richmond, California Refinery November 5

Chevron reported an unspecified major unit shutdown and maintenance in a filing with the Contra Costa Health Services on November 5.
Reuters, 14:03 November 6, 2015

PES Reports Udex Unit Startup Following Repairs at Its 335,000 b/d Philadelphia, Pennsylvania Refinery October 31

Philadelphia Energy Solutions reported it restarted the Udex Unit at the Girard Point section of its Philadelphia refinery following repairs on October 31, according to a filing with regulators that was made public Friday.
Reuters, 14:32 November 6, 2015

Equipment Malfunction Leads to Flaring at Total's 225,500 b/d Port Arthur, Texas Refinery November 7

Total SA reported an equipment malfunction within Unit 835 led to flaring at its 225,500 b/d Port Arthur refinery on Saturday, according to a filing with regulators. The equipment was repaired after rates to the unit were reduced.
<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=222754>

Motiva Returns 100,000 b/d CDU to Production at Its 235,000 b/d Convent, Louisiana Refinery November 8 – Sources

Motiva Enterprises restored a 100,000 b/d crude distillation unit to production on Sunday night at its 235,000 b/d Convent, Louisiana refinery, sources familiar with plant operations said on Monday. Motiva shut the unit on Thursday night to repair a leak on a heat exchanger. The large CDU, a 130,000-bpd unit, remained in operation while repairs were under way on the small crude unit, sources said. The company declined to comment about specific units, but did say Monday it had completed unspecified, unplanned maintenance at the refinery.
Reuters, 13:42 November 9, 2015

Shell Reports SRU Emissions at Its 145,000 b/d Puget Sound, Washington Refinery October 29

Royal Dutch Shell reported excess emissions from a sulfur recovery unit (SRU) on October 29, according to a filing with the Northwest Clean Air Agency.
Reuters, 13:34 November 9, 2015

Chevron Reports Oil Leak at Kern River Oilfield in California November 6

Chevron reported on November 6 that at approximately 12:45 p.m. EDT it identified an oil leak from a pipeline located at the Chevron Kern River Oilfield in California. The leak has been stopped, but Chevron is still working to determine the volume of the leak.
Reuters, 14:53 November 6, 2015

Natural Gas

Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas November 8

Operators reported flaring on November 8 after an acid gas injector (AGI) unit shut down on rod load compression, according to a filing with regulators.
<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=222760>

Update: Williams Says Its 190 MMcf/d SELA Gas Pipeline Back Online Early 2016

Williams Cos Inc said on Monday that the section of the Southeast Louisiana Lateral pipeline (SELA) that was shut following an explosion and fire in early October in Gibson, Louisiana, was expected to return to service in the first quarter of 2016. The company shut the line on October 4 for planned maintenance and had expected it to return on October 12; however, an explosion on October 9 killed three workers and shut the affected segment. No gas has flowed through the damaged section of pipe since it shut for maintenance. Before the maintenance outage, which shut the entire Southeast Louisiana Lateral, about 190 MMcf/d flowed through the line. The pipeline gathers gas from the Gulf of Mexico and transports it onshore for processing. A Williams spokesman said Monday that some of the customers that use the pipeline to get their offshore gas to market have been using other pipelines. For those shippers who do not have access to other pipelines, however, the spokesman said the company was exploring alternative flow options and will communicate possible solutions as soon as possible.

Reuters, 10:37 November 9, 2015

Other News

BNSF Freight Train Derails, Spills Ethanol into Mississippi River in Wisconsin November 7

A BNSF freight train derailed along the Mississippi River about two miles north of Alma, Wisconsin around 9:50 a.m. EDT on Saturday morning, prompting several road closures and a temporary voluntary evacuation of the area. At least 25 cars went off the tracks, including several tanker cars of ethanol, of which five reportedly spilled an estimated 20,000 gallons of ethanol into the Mississippi River. BNSF said railroad crews contained the leaks from five tanker cars and placed containment booms along the shoreline over the weekend. The company said that it expects the tracks to return to service by Monday morning.

<http://www.fox9.com/news/45812089-story>

<http://abcnews.go.com/US/wireStory/2nd-train-derails-wisconsin-days-spills-crude-oil-35057709>

White House Releases National Space Weather Strategy and Action Plan

The White House Office of Science and Technology Policy (OSTP) on October 28 announced the release of the National Space Weather Strategy and the National Space Weather Action Plan, in an effort to protect national security, economic vitality, and daily functioning dependent upon the reliable operations of satellites and aircraft, communications networks, navigation systems, and the electric power grid. These two documents were developed by an interagency group of experts, with input from stakeholders outside the Federal government, to clearly articulate how the Federal government will work to enhance national space-weather preparedness by coordinating, integrating, and expanding existing policy efforts; engaging a broad range of sectors; and collaborating with international counterparts.

<https://www.whitehouse.gov/blog/2015/10/28/enhancing-national-preparedness-space-weather-events>

<http://www.swpc.noaa.gov/news/national-space-weather-strategy-and-action-plan-released>

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
November 9, 2015			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	43.82	46.07	78.81
NATURAL GAS Henry Hub \$/Million Btu	2.17	1.94	3.91

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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