



ENERGY ASSURANCE DAILY

Thursday Evening, September 29, 2011

Electricity

TVA's 1,118 MW Browns Ferry Nuclear Unit 3 in Alabama Shut September 28

On the afternoon of September 28 Unit 3 reactor automatically scrambled due to actuation of the Reactor Protection System from a turbine trip. The cause of relay actuation is under investigation. On the morning of September 28 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/2011/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110929en.html>

APS's 1,243 MW Palo Verde Nuclear Unit 1 in Arizona Reduced to 85 Percent by September 29

The Nuclear Regulatory Commission reported that on the morning of September 28 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/2011/>

Dominion's 871 MW Millstone Nuclear Unit 2 in Connecticut Reduced to 80 Percent by September 29

The Nuclear Regulatory Commission reported that on the morning of September 28 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/2011/>

Luminant to Restart 583 MW Coal-Fired Unit at Monticello Power Plant in Texas by September 30

The unit was shut down to repair a boiler tube leak, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 04:47 September 29, 2011

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=159714>

Update: Dominion Virginia Power Concludes that Seismic Vibrations Shut Down Two 980 MW Reactors at North Anna Nuclear Plant in Virginia Last Month

Dominion Virginia Power reported to the U.S. Nuclear Regulatory Commission on September 27 that the two reactors at the North Anna nuclear power plant tripped on August 23 because seismic vibrations caused internal power levels to drop and control rods to automatically interrupt the nuclear fission process, shutting the units down. The company had initially thought that the loss of off-site electrical power to the station knocked the two 980 MW reactors off line. The magnitude 5.8 earthquake on August 23 had its epicenter approximately 11 miles from the North Anna plant. Both reactors remain off line while the NRC continues to examine the causes of the shutdown and the plant's safety equipment.

<http://www2.dailyprogress.com/news/2011/sep/27/dominion-says-seismic-vibrations-tripped-reactors-ar-1341847/>

Update: Progress Energy Reports Faulty Gauge Caused Shutdown of 710 MW Robinson Nuclear Unit 2 in South Carolina September 26

Progress Energy said that the reactor automatically switched off when a gauge detected a low coolant level on September 26. On September 29, the NRC reported that the unit remained shut.

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

Entergy, College Station Utilities Agree to Link Grids to Provide Emergency Service in Texas

The two utilities have agreed to connect their grids in order to exchange electricity if their supplies are cut off in the event of an emergency. The companies will exchange electricity only during an emergency declared by the Texas governor, and not during other outages, such as rolling blackouts.

http://www.menafn.com/qn_news_story.asp?storyid=%7B6b72599d-41bd-4c17-a1ef-a3539d0bccd6%7D

DOE Finalizes Loan Guarantee to Mesquite Solar 1 for 150 MW Photovoltaic Solar Generation Project in Arizona September 28

U.S. Energy Secretary Steven Chu announced Wednesday that the Department of Energy (DOE) has finalized a loan guarantee to Mesquite Solar 1, LLC to support the development of an optimized 150 MW alternating current photovoltaic solar generation project, to be located in Maricopa County, Arizona. Semptra Energy is sponsoring the project.

<http://energy.gov/articles/energy-department-finalizes-337-million-loan-guarantee-mesquite-solar-1-innovative-solar>

Petroleum

Update: Shell Shutting Down 500,000 b/d Singapore Refinery to Control Massive Fire

Royal Dutch Shell Plc officials told reporters Thursday that it is shutting the entire Singapore refinery, the company's largest, in a process that will take two days. Maintenance work may have caused the fire Wednesday, and its multiple flashpoints have made it difficult to douse. The approach now is to starve the fire by cutting off oil feeds, including the refinery's three crude distillation units (CDUs) and secondary units. The largest CDU has a capacity of 210,000 b/d and is already shut, along with one of two smaller CDUs, which each have a capacity of 110,000 b/d. The other smaller CDU is gradually being shut. Two secondary units have also been affected, including one 35,000 b/d distillate-making hydrocracker, which has been shut. The fire has also damaged a pump room holding pipes blending refined fuels. Shell Singapore's chairman said that the company has not declared force majeure on product shipments.

<http://www.reuters.com/article/2011/09/29/us-shell-refinery-fire-idUSTRE78R2B420110929>

<http://www.reuters.com/article/2011/09/29/shell-singapore-fire-idUSL3E7KT2YK20110929>

Enterprise, Enbridge Plan 800,000 b/d Wrangler Crude Oil Pipeline Running from Cushing to Gulf Coast

Enterprise Products Partners and Enbridge Inc. today announced plans to build a 36-inch, 800,000 b/d crude oil pipeline that will help Canadian and U.S. producers get crude to the Gulf Coast market. The proposed pipeline will extend from Enbridge's hub in Cushing, Oklahoma approximately 500 miles to Enterprise's ECHO storage terminal in Harris County, Texas, providing access to Texas Gulf Coast refineries. The project also includes a new 85-mile pipeline to the Beaumont/Port Arthur refinery. The project is expected to be in service by mid-2013.

<http://phx.corporate-ir.net/preview/phoenix.zhtml?c=80547&p=irol-newsArticle&ID=1611335>

<http://www.enbridge.com/MediaCentre/News.aspx?yearTab=en2011&id=1506504>

Update: ExxonMobil's 60,000 b/d Billings, Montana Refinery Running at Reduced Rates until Silvertip Pipeline Supply Arrives

ExxonMobil said Thursday that its Billings refinery is still running at reduced rates until it receives the supply from the company's 40,000 b/d Silvertip pipeline, which has been shut since springing a leak on July 1. The Pipeline and Hazardous Materials Safety Administration approved the company's pipeline restart plan last Friday, and the pipeline is expected to restart by October 1.

Reuters, 11:30 September 29, 2011

http://www.deseretnews.com/article/700181774/Exxon-Mobil-to-restart-Mont-pipeline.html?s_cid=rss-5

http://www.downstreamtoday.com/news/article.aspx?a_id=27971

Update: Motiva Starts New Power Plant at 275,000 b/d Port Arthur, Texas Refinery September 28

Motiva, a Royal Dutch Shell and Saudi Refining joint venture, started a new power plant at its Port Arthur refinery on Wednesday. The added electricity is needed for a refinery expansion to 600,000 b/d, which is expected to come on line in the first quarter of 2012.

Reuters, 19:00 September 28, 2011

Update: Libyan AGOCO Oil Output to Reach 350,000 b/d by Mid-October

A spokesman for Libya's Arabian Gulf Oil Co. (AGOCO) said Thursday that the state company expects oil output to reach 350,000 b/d by mid-October. The ramp up from current production rates of about 220,000 b/d will stem from the resumption of additional fields, including the 70,000 b/d Nafoora field on October 5 and the Beda and Hamada fields, which each have a capacity of 10,000 b/d, on October 15.

DJN, 10:59 September 29, 2011

Kirkuk Pipeline Leak Suspends Crude Oil Flow from Iraq to Turkish Export Terminal in Ceyhan; Not Likely to Affect Exports

Iraqi officials told reporters that the pipeline outage is not likely to affect Iraqi oil exports from Ceyhan because there is an adequate amount of fuel in storage. Flows from the Kirkuk fields to Ceyhan have been on hold for five days reportedly due to a leak in the main pipeline caused by erosion. The pipeline transported between 400,000 and 500,000 b/d before flows were suspended.

DJN, 08:30 September 29, 2011

Natural Gas

Southern Union's 140 MMcf/d Keystone Gas Processing Plant in Texas Shut Due to Equipment Malfunction September 29

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=159796>

Angolan National Radio Reports Angola to Start LNG Exports to U.S. in 2012

Radio Nacional de Angola reported on its website yesterday that the country's first liquefied natural gas (LNG) plant, with a design capacity to liquefy and export 1 Bcf/d of natural gas, will begin operations during the first quarter of 2012. The director of the plant said that most of the plant's LNG production will be exported to the United States.

<http://www.angolalng.com/project/aboutLNG.htm>

<http://www.rna.ao/ngolayeto/noticias.cgi?ID=49450>

Other News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices January 17, 2012			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	83.01	80.47	72.64
NATURAL GAS Henry Hub \$/Million Btu	3.88	3.78	3.95

Source: Reuters

Energy Notes

Constellation Energy Begins Construction on 16.1 MW DC Grid-Connected Photovoltaic Solar Installation in Emmitsburg, Maryland September 29; Operation to Begin Early 2012

<http://finance.yahoo.com/news/Constellation-Energy-Begins-bw-269957753.html?x=0&.v=1>
<http://ir.constellation.com/releasedetail.cfm?ReleaseID=609594>

DCP's Andrews Booster Station in Texas Shut Due to Electric Problems, Prevents XTO Energy Facilities in Texas from Accepting Produced Natural Gas September 28

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=159745>

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 EDT every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM EDT every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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