



ENERGY ASSURANCE DAILY

Monday Evening, March 28, 2016

Electricity

Update: TVA's 1,125 MW Watts Bar Nuclear Unit 1 in Tennessee Restarts by March 26, Ramps Up to Full Power by March 28

The unit shut from full power on March 22 due to an automatic reactor trip, which was triggered by "the actuation of the Over Temperature Delta Temperature bistables."

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160323en.html>

Update: Exelon's 1,163 MW Byron Nuclear Unit 1 in Illinois at Full Power by March 26

On the morning of March 25 the unit was operating at 66 percent.

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

RRI Energy's 215 MW Mandalay Gas-fired Unit 1 in California Shut by March 25

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201603251515.html>

Petroleum

Update: NEB Reopens Hearing Process for TransCanada's 1.1 Million b/d Energy East Pipeline in Canada after Project Amendments March 23

The National Energy Board (NEB) will reopen TransCanada's Energy East application to participate process (ATP) for a three week period, from March 30–April 20 after the company filed several project amendments in December 2015. In a bid to advance the project, TransCanada proposed to remove the Cacouna marine and tank terminal, change the pipeline route and facility locations in Quebec, modify the tank storage facility in New Brunswick, and to address the agreement reached with three local distribution companies in Eastern Canada. The NEB is reviewing the Energy East project application, and subsequent amendments to determine if the project is sufficiently complete to proceed with further process steps. The supplemental ATP is meant for stakeholders who may be directly affected by these amendments, or who may have relevant information or expertise related to these amendments. The Energy East project is a 2,858-mile pipeline proposed to carry 1.1 million b/d of crude oil from Alberta and Saskatchewan to refineries in Eastern Canada. The project would include converting an existing natural gas pipeline to an oil transportation pipeline; constructing new pipeline in the prairies, Ontario, Quebec, and New Brunswick; and constructing the associated facilities, pump stations, and tank terminals required to move crude oil from Alberta to Quebec and New Brunswick, including marine facilities that enable access to global markets.

<http://news.gc.ca/web/article-en.do?mthd=tp&crtr.page=1&nid=1041959&crtr.tp1D=1>

Valero Reports Process Unit Upset, Emissions at Its 335,000 b/d Port Arthur, Texas Refinery March 25

Valero Energy Corp on Friday reported an unspecified process unit upset at its Port Arthur, Texas refinery, according to a filing with the Texas Commission of Environmental Quality. The company also reported emissions from hydrotreater 243.

Reuters, 11:11 March 28, 2016

PES Reports Unit Repairs at Its 335,000 b/d Philadelphia, Pennsylvania Refinery March 22, 23

Philadelphia Energy Solutions (PES) reported unit 867 was taken out of service for maintenance on March 23 at the Point Breeze section of its Philadelphia, Pennsylvania refinery, according to a filing with state pollution regulator. The company also reported unit 331 at the Girard Point section was placed in circulation for repair then brought out of circulation on March 22. The reports did not confirm that the maintenance activities were planned.
Reuters, 10:49 March 28, 2016

Natural Gas

Enbridge Reports Amine Pump Malfunction at Its Pittsburg Gas Plant in Texas March 26

Enbridge reported the rich amine pump malfunctioned causing an automatic shutdown of the Shell Claus Off-gas Treatment plant. The rich amine pump was returned to service and the plant was brought back to permitted parameters. During this time, the use of the sulfur recovery unit and thermal oxidizer reduced impact on the environment.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=229743>

Other News

USGS Releases First Seismic Risk Maps to Include Induced Earthquakes March 28

Earthquakes caused by human activity, or induced earthquakes, will now be included in the U.S. Geological Survey's (USGS) seismic risk maps, the agency said on Monday after a sharp rise in temblors linked to wastewater disposal wells used by the oil and gas industry in Oklahoma. In the past, USGS maps only identified natural earthquake hazards. The new seismic maps also support the first one-year outlook for the nation's earthquake hazards, and is a supplement to existing USGS assessments that provide a 50-year forecast. The report shows that approximately 7 million people live and work in areas of the central and eastern U.S. (CEUS) with potential for damaging shaking from induced seismicity. Within a few portions of the CEUS, the chance of damage from all types of earthquakes is similar to that of natural earthquakes in high-hazard areas of California. The USGS is the only federal agency with responsibility for recording and reporting earthquake activity nationwide and assessing seismic hazard. The move is significant as USGS hazard assessments are incorporated into building codes that influence a trillion dollars in new construction annually and improve the nation's resilience to earthquake disasters.

<https://pubs.er.usgs.gov/publication/ofr20161035>

http://www.usgs.gov/blogs/features/usgs_top_story/induced-earthquakes-raise-chances-of-damaging-shaking-in-2016/?from=title

<http://www.usgs.gov/newsroom/article.asp?ID=4486#.Vv157eIrK00>

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
March 28, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	37.76	39.86	48.78
\$/Barrel			
NATURAL GAS			
Henry Hub	1.72	1.84	2.73
\$/Million Btu			

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

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>

Please direct comments and questions to: ead@oe.netl.doe.gov