



ENERGY ASSURANCE DAILY

Monday Evening, December 05, 2016

Electricity

Constellation's 835 MW Calvert Cliffs Nuclear Unit 2 in Maryland Shut December 4

The unit was shut from full power due to a main turbine trip.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20161205en.html>

Update: TVA's 1,118 MW Browns Ferry Nuclear Unit 2 in Alabama at Full Power by December 4

On the morning of December 3 the unit was operating at 88 percent after being reduced from full power on November 29.

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

Update: AES's 336 MW Alamitos Gas-fired Unit 4 in California Returns to Service by December 4

The unit returned from an unplanned outage that began on November 30.

<http://content.caiso.com/unitstatus/data/unitstatus201612041515.html>

Abengoa's 275 MW Mojave Solar Unit in California Reduced by December 4

The unit entered an unplanned curtailment of 205 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201612041515.html>

BHE Renewables' 310 MW Solar Star Unit 1 in California Reduced by December 4

The unit entered an unplanned curtailment of 159 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201612041515.html>

Silver Ridge's 200 MW Mount Signal Solar Unit in California Reduced by December 3

The unit entered an unplanned curtailment of 134 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201612031515.html>

RRI Energy's 215 MW Mandalay Gas-fired Unit 1 in California Shut by December 3

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201612031515.html>

RRI Energy's 215 MW Mandalay Gas-fired Unit 2 in California Shut by December 3

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201612031515.html>

Ocotillo Express' 265 MW Wind Energy Unit in California Shut by December 2

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201612021515.html>

Update: Army Corp of Engineers Denies Final Easement for Energy Transfer's Dakota Access Pipeline in North Dakota December 4; Decision Based on Need to Explore Alternative Routes for Crossing Missouri River

The U.S. Army Corp of Engineers on Sunday announced it will not approve an easement that would allow Energy Transfer Partners' proposed 1,172 mile, 30-inch Dakota Access Pipeline to cross under Lake Oahe in North Dakota. The Dakota Access project, owned by Energy Transfer Partners, is complete except for a segment planned to run under Lake Oahe, a reservoir formed by a dam on the Missouri River. The Corp of Engineers said the decision was based on a need to explore alternate routes for the pipeline's river crossing that would best be accomplished through an Environmental Impact Statement with full public input and analysis. Energy Transfer and its partner Sunoco Logistics said they were committed to seeing the project completed without rerouting the line. The Dakota Access Pipeline would connect the Bakken and Three Forks oil production areas in North Dakota to an existing crude oil terminal near Pakota, Illinois providing access to refining markets in the U.S. Gulf Coast. The project is designed to transport approximately 470,000 b/d of oil with the capacity to expand up to 570,000 b/d.

https://www.army.mil/article/179095/army_will_not_grant_easement_for_dakota_access_pipeline_crossing

Reuters, 12:56 December 5, 2016

Update: Valero Restarts HCU at Its 190,000 b/d Memphis, Tennessee Refinery December 3 – Sources

Valero Energy Corp restarted the hydrocracking unit (HCU) at its Memphis, Tennessee refinery on Saturday after two days of unplanned repairs, sources familiar with plant operations said on Monday. The 33,000 b/d HCU has remained in constant operation since the Saturday restart, the sources said. The unit was shut on December 1 after restarting on November 30 following 13 days of unplanned repairs.

Reuters, 10:06 December 5, 2016

ExxonMobil Reports Pinhole Leak, Emissions at Its 502,500 b/d Baton Rouge, Louisiana Refinery December 4

ExxonMobil Corp reported that a pinhole leak in a pressure gauge caused the release of approximately 13 pounds of benzene to the atmosphere on December 4 at its Baton Rouge, Louisiana refinery, according to a filing with the National Response Center.

Reuters, 9:54 December 5, 2016

Marathon Reports RHU Unit Upset at Its 451,000 b/d Galveston Bay, Texas Refinery December 3

Marathon Petroleum Corp reported a snag in the residual hydrotreater (RHU) at its Galveston Bay, Texas refinery on December 3, according to a filing with the Texas Commission on Environmental Quality. Marathon said the RHU was stabilized and resumed normal operations.

Reuters, 23:29 December 4, 2016

Shell Repairing Reformer Unit at Its 285,500 b/d Deer Park, Texas Refinery December 2 – Sources

Royal Dutch Shell on Friday was repairing a catalytic reforming unit at its refinery in Deer Park, Texas, sources familiar with plant operations said. A leak was discovered on November 30 near a valve on the 45,900 b/d catalytic reformer 3, according to a notice filed with the Texas Commission on Environmental Quality. The length of time needed to repair the leak was not known, the sources said. The Deer Park refinery is a 50-50 joint venture between Shell and Mexico's Petroleos Mexicanos (PEMEX).

Reuters, 19:53 December 2, 2016

Phillips 66 Reports Emissions, Process Upset at Its 260,000 b/d Westlake, Louisiana Refinery December 3

Phillips 66 reported hydrogen sulfide emissions at its Westlake, Louisiana refinery due to a process upset on December 3, according to a filing with the National Response Center. The emissions occurred from the sulfur recovery units' thermal oxidizer stack.

Reuters, 9:59 December 5, 2016

Update: Valero Set to Complete HCU Repairs at Its 125,000 b/d Meraux, Louisiana Refinery This Week – Sources

Valero Energy Corp may complete repairs to the hydrocracking unit (HCU) this week at its Meraux, Louisiana refinery, sources familiar with plant operations said on Friday. The 55,000 b/d HCU malfunctioned on November 29, forcing the company to shut it down for repairs. The HCU is the main fuel-producing unit at the refinery. Reuters, 20:55 December 2, 2016

CVR Reports Emissions Events at Its 70,000 b/d Wynnewood, Oklahoma Refinery November 17 – 29

CVR reported six emissions events, from multiple units at its Wynnewood, Oklahoma refinery, occurred November 17–29, according to a filing with the Oklahoma Department of Environmental Quality made public on December 2. Excess carbon monoxide emissions occurred from the fluid catalytic cracking unit from November 17–18. Excess hydrogen sulfide emissions were reported from the south flare on November 17, from the hydrocracker flare November 17–18, from the south vapor recovery flare November 23–25, and from the new north flare November 24–25. Additionally, excess particulate matter, less than 10 micrometers in diameter, occurred from a charge heater on the continuous catalytic regeneration unit on November 29.

Reuters, 16:46 December 2, 2016

BP Reports SRU Equipment Malfunction, Emissions at Its 227,000 b/d Ferndale, Washington Refinery November 23

BP reported an equipment malfunction on the sulfur recovery unit (SRU) resulted in sulfur dioxide emissions at its Ferndale, Washington refinery on November 23, according to a filing with the Northwest Clean Air Agency. Later on November 23, the equipment was functioning properly, according to BP.

Reuters, 18:10 December 2, 2016

Shell Reports Upset, Emissions at Its 145,000 b/d Anacortes, Washington Refinery November 25

Royal Dutch Shell reported an upset and excess emissions from the boiler unit at its Anacortes, Washington refinery on November 25.

Reuters, 18:04 December 2, 2016

Phillips 66 Reports Upset at Its 101,000 b/d Ferndale, Washington Refinery November 26

Phillips 66 reported an upset and excess opacity from a flare stack at its Ferndale, Washington refinery on November 26, according to a filing with the Northwest Clean Air Agency.

Reuters, 18:15 December 2, 2016

Shell Reports Potential Crude Oil Release from Pipeline in Bakersfield, California December 2

Royal Dutch Shell reported a potential release of crude oil from a pipeline in Bakersfield, California. The problem area was isolated, but the location of the release had not been identified since oil had not come to the surface, the company said. Shell added that no waterways would be impacted if a release were to occur.

Reuters, 19:30 December 2, 2016

Natural Gas

ExxonMobil Reports Unit Shut at Its 65 MMcf/d Dollarhide Gas Plant in Texas December 2

ExxonMobil reported the Cat-5 unit shut twice due to no lube flow on the left bank at its Dollarhide gas plant. The lube system was manually pumped, but flow could not be established. To resolve the issues, the lube box was replaced, and the unit was restarted and monitored.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=248067>

Tennessee Gas Pipeline Says Station 264, Station 820 Unit Repairs May Take 10 Days after Force Majeure Declarations in Massachusetts, Louisiana December 2 – 3

Kinder Morgan’s Tennessee Gas Pipe Line (TGP) on Monday said unplanned repairs associated with two force majeure declarations in Massachusetts and Louisiana could take up to 10 days to repair. On December 2, TGP declared a force majeure event at Station 264 near Charlton, Massachusetts due to an issue with the compressor bundle for Unit 2C. TGP said only secondary in-path nominations through Segments 261, 265, and 266 were at risk with total impacts estimated to be up to 300 MMcf/d. On December 3, a separate force majeure event was declared at Station 820 near Starks, Louisiana due to an issue with Unit 1A. The company said secondary out of path nominations at meters 411586 and 401366 will remain at risk. Tennessee Gas Pipeline 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.

Reuters, 15:43 December 5, 2016

http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP¬c_nbr=361650&date=12/5/2016&subject=¬c_type=-1¬c_sub_type=-1¬c_ind=C

http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP¬c_nbr=361655&date=12/5/2016&subject=¬c_type=-1¬c_sub_type=-1¬c_ind=C

Other News

Nothing to report.

International News

Iraq’s Kurdistan Sees No Major Oil Output Cuts as Part of OPEC Deal

Iraq’s semi-autonomous region of Kurdistan said on Monday it saw no major impact on its crude oil production from OPEC’s output cuts, which were agreed to last week. The region’s natural resources minister said he had yet to hear from Baghdad the exact proposals on output reduction. Iraq agreed to reduce output by around 200,000 b/d as part of the OPEC deal.

http://www.rigzone.com/news/oil_gas/a/147656/Iraqs_Kurdistan_Sees_No_Major_Oil_Output_Cuts_as_Part_of_OPEC_Deal

Saudi Arabia, Kuwait Expect to Restart Neutral Zone Oilfields Soon – Sources

Saudi Arabia and Kuwait are expected to agree this month to resume oil production from the jointly operated oilfields—mainly Khafji and Wafra—in the Neutral Zone that lies between both countries, industry sources told Reuters on Sunday. A resumption of production from the zone would be a gradual increase over several years, industry sources said. Khafji was shut in October 2014 for environmental reasons and Wafra has been shut since May 2015 due to operating difficulties. The Khafji field had been producing 280,000–300,000 b/d until its closure and the Wafra field has an output capacity of about 220,000 b/d of Arabian Heavy crude.

Reuters, 11:51 December 4, 2016

Energy Prices

U.S. Oil and Gas Prices			
December 5, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	51.67	45.51	39.95
\$/Barrel			
NATURAL GAS			
Henry Hub	3.41	2.74	2.09
\$/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

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

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