



ENERGY ASSURANCE DAILY

Monday Evening, July 01, 2013

Electricity

FirstEnergy's 882 MW Davis-Besse Nuclear Unit 1 in Ohio Shuts Due to Reactor Coolant Pump Trip June 29

FirstEnergy reported that on Saturday night, Davis-Besse 1 tripped from full power after the Reactor Coolant Pump 1-2 tripped due to an electrical differential current fault, which resulted in an RPS actuation on Flux/Delta Flux/Flow, according to a filing with U.S. Nuclear Regulatory Commission. Startup Feedwater Valve 1 did not respond as expected post-trip and has been placed in manual control. All other systems have functioned as expected.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130701en.html>

TVA Restarts 1,125 MW Watts Bar Nuclear Unit 1 in Tennessee, Ramps Up to 44 Percent by July 1 after Shutdown Due to Offsite Electrical Fault June 28

The Tennessee Valley Authority (TVA) reported that on Friday afternoon, the Watts Bar 1 reactor automatically tripped from full power due to an electrical fault, which caused a main generator lockout and subsequent turbine trip, according to a filing with the U.S. Nuclear Regulatory Commission. The electrical fault generated an 'A' Main Bank Transformer Differential Relay actuation. Operators were investigating the cause of the fault, but they presumed it was due to an offsite fault. All safety systems responded as designed. Operators restarted the unit and ramped it up to 44 percent power by July 1.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130701en.html>

Duke Energy's 1,129 MW Catawba Nuclear Unit 1 in South Carolina at Full Power by July 1 after Brief Reduction When Lightning Strikes Cooling Tower Fans June 30

Duke Energy reported that on Sunday evening, the Auxiliary Feedwater System on Catawba Unit 1 became inoperable due to elevated hotwell temperatures, according to a filing with the U.S. Nuclear Regulatory Commission. The elevated hotwell temperatures resulted from the loss of multiple cooling tower fans due to a lightning strike. Cooling tower fans and hotwell temperatures have been restored. Power was slightly reduced—to 94 percent power—solely to maintain condenser vacuum until cooling tower fans were restored. No other plant equipment was affected by the lightning strike.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/20130701ps.html>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130701en.html>

Update: Energy Northwest Provides Update Regarding Switching Glitch at Its 1,107 MW Columbia Generating Station Nuclear Unit in Washington

Energy Northwest reported an update regarding a switching glitch that occurred at its Columbia nuclear plant last Thursday in a filing with the U.S. Nuclear Regulatory Commission. On Thursday, while the unit was returning from a scheduled refueling outage, an alarm signaling heating, ventilation and air conditioning (HVAC) trouble in the Division 3 diesel and high pressure core spray (HPCS) room was received in the main control room. Follow-up investigation determined that the switch for the normal room supply fan (DMA-FN-32) was off. It is believed that the switch may have been inadvertently mispositioned during ongoing work in the vicinity. Columbia Generating Station is performing further investigation to determine if there are other possibilities for DMA-FN-32 control switch being mispositioned. The fan was returned to service at 6:19 p.m. PDT. On the morning of June 29 the unit was operating at 64 percent. Operators ramped the unit up to 92 percent power by June 30.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130701en.html>

Update: Duke Energy's 1,100 MW McGuire Nuclear Unit 2 in North Carolina at Full Power by July 1

Operators had reduced the unit to 19 percent power by June 28, and ramped the unit back up to full power by Monday morning.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Update: Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi at Full Power by June 29

Operators reduced Grand Gulf 1 to 61 percent power from full power by June 25, and have been slowly ramping the unit back up since then.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Update: La Paloma's 260 MW La Paloma Natural Gas-Fired Unit 2 in California Returns to Service by June 30; La Paloma 256 MW Gas-Fired Unit 3 Reduced by June 28

Unit 2 returned from an outage that began by April 28 and was due to both planned and unplanned causes. Unit 3 entered an unplanned curtailment of 126 MW that was due to planned and unplanned causes.

<http://content.caiso.com/unitstatus/data/unitstatus201306301515.html>

<http://content.caiso.com/unitstatus/data/unitstatus201306281515.html>

Cabrillo Power's 300 MW Encina Natural Gas-Fired Unit 4 in California Returns to Service by June 29

The unit returned from an unplanned curtailment of 150 MW that began by June 28.

<http://content.caiso.com/unitstatus/data/unitstatus201306291515.html>

<http://content.caiso.com/unitstatus/data/unitstatus201306281515.html>

Update: Construction Starts on 50 MW Macho Springs Solar Project in New Mexico July 1

El Paso Electric Power, The New Mexico State Land Office, and First Solar, Inc. said Monday that construction on the 50 MW Macho Springs solar project in Luna County, New Mexico has started. The photovoltaic solar project is expected to be completed by May 2014. Under a 20-year power purchase agreement between El Paso Electric and First Solar, the project will generate enough clean energy to power more than 18,000 average customer homes in the El Paso Electric service territory. It will displace more than 40,000 metric tons of CO₂, the equivalent of taking 7,500 cars off the road, and will displace more than 340,000 metric tons of water consumption annually.

<http://investor.firstsolar.com/releasedetail.cfm?ReleaseID=774676>

Petroleum

Update: Enbridge Restarts Northern Segment of 345,000 b/d Athabasca Pipeline in Alberta by June 30; Provides Update on Regional Oil Sands System Status

Enbridge Inc. today confirmed the return to service of the northern segment of its 345,000 b/d Athabasca Pipeline (Line 19) between Fort McMurray and Cheecham, Alberta on Sunday. Enbridge shut the Athabasca line and the 600,000 b/d Waupisoo pipeline (Line 18) as a precaution on June 22 after its 12-inch Lake Lateral Pipeline (Line 37) leaked synthetic oil on the ground near Enbridge's Cheecham Terminal. Operators believe the release on Line 37 resulted from ground movement on the right-of-way as a result of heavy rainfall in the region over the weekend of June 22. Enbridge had shut down pipelines that shared a corridor with Line 37 as a precaution. Operators restarted the southern segment of the Athabasca pipeline, between Cheecham and Hardisty on June 23, and the Waupisoo pipeline on June 26. The northern segment of the Athabasca pipeline was restarted early June 30 at reduced operating pressure following inspections. Similar inspections have been completed on the Wood Buffalo Pipeline (Line 75), which runs between Fort McMurray and Cheecham, and Enbridge anticipates returning this line to service shortly. The Woodland Pipeline (Line 49) between Fort McMurray and Cheecham has been in the process of line fill upstream from the site of the incident. Line fill activities continue in preparation for full start up. Enbridge anticipates returning the Athabasca and Wood Buffalo pipelines to full pressure and capacity. Timing for completion cannot yet be determined. Repairs to Line 37, which serves the Long Lake oil sands project, are continuing. However, completion of repairs and return to service will be contingent on completion of further geotechnical analysis. Limited volumes that would have otherwise been transported to Cheecham on Line 37 are being received via truck.

<http://www.enbridge.com/MediaCentre/News.aspx?yearTab=en2013&id=1736736>

Update: BP Commissions New 250,000 b/d CDU at Its 413,000 b/d Whiting, Indiana Refinery by July 1

BP Plc on Monday reported it has completed commissioning and starting up the new 250,000 b/d crude distillation unit (CDU) at its Whiting refinery in Indiana. Installation of the new crude unit has been part of a major upgrade project at the refinery that is now more than 95 percent complete. BP plans to commission a new 105,000 b/d gasoil hydrotreater, a 102,000 b/d coker, and other associated units in the second half of this year. When all the new equipment is in full operation, the refinery will have the ability to significantly increase heavy, sour crude processing to roughly 80 percent of its overall crude run.

<http://www.bp.com/en/global/corporate/press/press-releases/bp-starts-up-new-crude-unit-at-whiting-refinery.html>

Update: Citgo Restarts Unspecified Unit after Malfunction at Its 167,000 b/d Lemont, Illinois June 28; Says Incident Had No Impact to Production

Citgo Petroleum Corp. restarted an unspecified unit at its Lemont refinery Friday several hours after a malfunction shut the unit. Operators said the incident did not have any impact on production, and that unit had returned to planned rates.

Reuters, 13:03 July 1, 2013

Valero Returns HCU at Its 144,000 b/d Benicia, California Refinery to Planned Rates by July 1 after Unit Trip June 28; Restarts FCCU June 30 after Brief Outage June 29

Valero Energy Corp. said a fluid catalytic cracking unit (FCCU) at its Benicia refinery was returning to planned rates Monday, according to a spokesman. Operators had restarted the unit late Sunday after a brief outage on Saturday, the spokesman said. Operators also restarted a hydrocracking unit at the Benicia refinery on Saturday after it tripped offline Friday evening. The unit returned to planned rates by Monday.

Reuters, 10:40 July 1, 2013

Update: Shell Resumes Normal Operations at Its 156,400 b/d Martinez, California Refinery by June 28 after Unspecified Upset Causes Emissions June 27

Royal Dutch Shell Plc on Friday reported its Martinez refinery resumed normal operations and is now fully operational following an unspecified unit upset on Thursday. The company had reported sulfur dioxide emissions from a flare due to the upset.

Reuters, 13:52 June 28, 2013

Unspecified Unit Upset Causes Hydrocracker Emissions at Valero's 310,000 b/d Port Arthur, Texas Refinery June 28

Valero reported an unspecified unit upset at its Port Arthur refinery on Friday caused emissions from the No. 942 hydrocracker, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=184884>

Air Blower Trip Causes Sulfur Dioxide Emissions at Alon's 67,000 b/d Big Spring, Texas Refinery June 27

Alon USA Energy reported sulfur dioxide emissions at its Big Spring refinery Thursday afternoon were associated with an air blower trip due to an electrical malfunction, according to a filing with the Texas Commission on Environmental Quality. Operators list the No. 2 SCOT unit, the No. 2 tail gas incinerator, and the sulfur recovery unit. Emissions related to this incident continued for nearly 11 hours.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=184856>

Shell Shuts Unspecified Unit for Repairs at Its 75,000 b/d Corunna Refinery in Sarnia, Ontario June 30

Royal Dutch Shell Plc shut an unspecified unit at its Corunna refinery in Sarnia for repairs on Sunday morning, according to local media reports. The unit was not identified and the length of the shutdown was unknown.

Reuters, 16:21 June 30, 2013

Natural Gas

DCP Midstream Shuts Turbine at Its 160 MMcf/d Goldsmith Gas Plant June 29

DCP Midstream reported to the Texas Commission on Environmental Quality that the A-Turbine at its Goldsmith gas plant in Texas shut down due to the fuel switch relay de-energized alarm, which caused the flaring of natural gas. Operators allowed the turbine to cool down and checked the electrical circuitry. No issues were found so the turbine was restarted, ending the flaring.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184928>

Southern Union Reports Flaring at Its 140 MMcf/d at Its Keystone Gas Plant in Texas June 28, 29

Southern Union Gas Services reported it was flaring inlet gas at its Keystone plant after field units went down in separate incidents on Friday and Saturday, according to filings with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184882>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184896>

Control Circuit Malfunction Shuts SRU, Compressors at Regency's 70 MMcf/d Eustace Gas Plant in Texas June 30

Regency Energy Partners reported that a faulty control circuit wire in the deareator system shut down the boiler feed water pumps at its Eustace gas plant Sunday, causing compressors and a sulfur recovery unit (SRU) at the plant to shut, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184904>

Enbridge Reports AGI Unit Shutdowns at Its Tilden Gas Plant in Texas June 29 and June 30

Enbridge filed two reports with the Texas Commission on Environmental Quality regarding events at its Tilden gas plant June 29 and 30. On Saturday, a portion of gas processing faulted due to false transmitter high level reading on a vent scrubber at the plant, shutting acid gas injector (AGI) Units 1 and 2. On Sunday, lightning struck the plant, causing communications to fault, part of gas compression to shut-in, and a control panel to go offline. This caused both AGI units to go down on low suction.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184897>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184911>

Other News

Nothing to report.

International News

Update: Protests Shut Down Libyan Oil Fields July 1; Oil Production Declines to 1.16 MMb/d

Workers at oil fields in Libya operated by Zueitina Oil Co. shut down production Monday, protesting against current management. In a separate situation, Libya's 350,000 b/d Sharara oilfield was shut as an armed group objected to the naming of another group of guards to help supervise security at the facility. These protests are the latest in a series over the past year, and more recently the past two weeks. Libya normally produces around 1.6 MMb/d of oil. And after dropping to less than 1 MMb/d a few weeks ago, operations climbed to 1.3 MMb/d June 17. But now, with these latest shut downs, production has declined to 1.16 MMb/d.

<http://uk.reuters.com/article/2013/07/01/libya-oil-idUKL5N0F71CJ20130701>

<http://www.upstreamonline.com/live/article1331256.ece>

<http://thepeninsulaqatar.com/latest-news/243488-libyas-zueitina-oil-workers-shut-down-several-fields.html>

Tribesmen Blow Up Yemen's 125,000 b/d Maaribe Crude Oil Pipeline June 30

Yemen officials said Monday that tribesmen blew up the country's main oil export pipeline Sunday, likely closing the pipeline for a week. This follows an attack on the pipeline June 27, but damages sustained were repaired that day. Armed tribesmen also blew up a section of the pipeline June 14, halting the flow of oil.

<http://www.saudigazette.com.sa/index.cfm?method=home.regcon&contentid=20130701171900>

http://www.steelguru.com/middle_east_news/Yemen_main_oil_export_pipeline_blown_up_Sunday/317048.html

Energy Prices

U.S. Oil and Gas Prices			
July 1, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	97.68	93.74	82.25
NATURAL GAS Henry Hub \$/Million Btu	3.73	3.85	2.81

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>

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