



ENERGY ASSURANCE DAILY

Monday Evening, November 14, 2016

Electricity

Update: Dominion's 810 MW Surry Nuclear Unit 1 in Virginia Restarts November 11, Ramps Up to 90 Percent by November 13

The unit was shut on October 22 due to unknown causes.

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

Update: PSE&G's 1,096 MW Salem Nuclear Unit 1 in New Jersey at Full Power by November 12

On the morning of November 11 the unit was operating at 58 percent, reduced from full power on November 9.

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

Update: Mountainview Power Company's 525 MW Gas-fired Unit 3 in California Returns to Service by November 11

The unit returned from an unplanned curtailment of 285 MW that began on November 10.

<http://content.caiso.com/unitstatus/data/unitstatus201611111515.html>

SCE's 820 MW Big Creek Hydro Unit in California Reduced by November 11

The unit entered an unplanned curtailment of 368 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201611111515.html>

RRI Energy's 320 MW Etiwanda Gas-fired Unit 3 in California Shut by November 11

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201611111515.html>

BP Wind Energy Expects Its 125 MW Goshen North Wind Farm to Resume Service by mid-November after August Wildfire in Idaho

BP Wind Energy officials said repairs were continuing to more than 80 windmills at its Goshen North wind farm near Idaho Falls, which were shut in August as a result of damage to the power grid from a large wildfire. The company expects the wind farm to return to service by mid-November.

Reuters, 11:01 November 13, 2016

<http://www.postregister.com/articles/news-todays-headlines/2016/11/10/goshen-wind-farm-offline-fire>

Duke Energy Plans to Cap Unlined Coal Ash Pits at 10 Power Plants in North Carolina, Indiana

Duke Energy on Friday said it plans to cap unlined and potentially leaking coal ash pits at 10 generating plants in North Carolina and Indiana while excavating its sites in Kentucky and South Carolina. The company announced its plans ahead of a U.S. Environmental Protection Agency deadline this week for utilities to declare their plans for storing decades of waste left after burning coal for power. Duke Energy plans to store in place almost 70 percent of its ash by dehydrating the storage pools and covering the area with a waterproof liner and dirt to encase the waste. The basin bottoms usually aren't lined, and environmentalists contend heavy metals and other toxic materials filter into underground water supplies. Duke Energy denies that its pits contaminate groundwater. Ash would stay in existing pits at North Carolina plants in Belmont, Belews Creek, Terrell, Roxboro, Mooresboro, and Semora. The company also would cap storage basins at its Indiana plants in Cayuga, New Albany, Owensville, and Terre Haute. Other ash pits at some of those plants are slated to be excavated and removed. Sixteen other pits already are being closed under conditions of North Carolina law or lawsuit settlements.

<http://finance.yahoo.com/news/duke-energy-keep-dry-coal-ash-place-10-215833731.html>

Explorer Pipeline Reports Gasoline Release from Pump Station in Missouri November 12

Explorer Pipeline Co. on Saturday morning reported a release of gasoline product from a pump station near Gerald, Missouri. Company officials said a section of the pipeline was shut down, and would not speculate as to the cause of the incident until its investigation into the cause of the release was completed. Explorer's 1,830-mile, system is split into a 660,000 b/d Southern System, which runs from the Texas Gulf Coast to Glenpool, Oklahoma, and a 450,000 b/d Northern System, which extends from Glenpool to the Wood River and Chicago petroleum supply centers in Illinois.

http://www.emissourian.com/public_announcements/gas-pipeline-company-investigating-gerald-area-leak/article_13ad4946-a905-11e6-b177-8f146ed5931d.html

<http://www.expl.com/Pipeline/Map>

Buckeye Restarts Its 312,000 b/d Laurel Pipeline in Pennsylvania after Third Party Maintenance November 10

Buckeye Partners said its Laurel Pipeline would restart at 5:00 p.m. EST, November 10 after being temporarily out of service due to third party maintenance. A spokesman ensured that no product was released from the pipeline.

Buckeye's Laurel system originates in the Philadelphia, Pennsylvania metropolitan area and supplies transportation fuels to markets in central and western Pennsylvania as far west as Pittsburgh.

Reuters, 16:57 November 10, 2016

Columbia University Recognizes Fuel Supply Resilience Progress Four Years after Hurricane Sandy; Provides Additional Recommendations November 14

In a new commentary released by Columbia University's School of International and Public Affairs (SIPA) on Monday, non-resident Fellow Robert Hallman, former Deputy Secretary for Energy and the Environment for New York State, writes that considerable progress has been made over the last 4 years since Hurricane Sandy to improve the resilience of the electric grid, and to prioritize power restoration to critical fuel supply infrastructure, however, there is still an urgent need for federal, state, and local governments to coordinate information flow and energy restoration during fuel emergencies. Hallman notes that voluntary systems historically used by public officials for gathering critical, real-time information simply cannot be relied on, especially during emergency conditions like Hurricane Sandy, which devastated communities along the Northeastern coast of the United States and caused significant power, fuel, and transportation disruptions to millions of families and businesses in the Tri-State region. Hallman urges the Tri-State area, and the country as a whole, to adopt regulatory programs that require owners and operators of critical fuel supply chain assets to prepare emergency response plans, conduct vulnerability assessments, and implement resiliency improvements. Among his many recommendations, Hallman calls for the establishment of secure channels of communication between the private and public sectors based on defined information sharing protocols; stringent reporting requirements for the fuel industry to better protect public health and limit economic loss during emergencies; improved regional cooperation and planning for fuel disruptions; and coordination with federal agencies like the Department of Energy to establish a permanent Energy Response and Operations Center. The full commentary can be accessed from the link below.

http://energypolicy.columbia.edu/sites/default/files/energy/Four%20Years%20After%20Sandy%2C%20Tackling%20the%20Rising%20Threat%20of%20Fuel%20Emergencies%20.pdf?utm_source=Center+on+Global+Energy+Policy+Mailing+List&utm_campaign=5f16af4d57-

[EMAIL_CAMPAIGN_2016_11_14&utm_medium=email&utm_term=0_0773077aac-5f16af4d57-102123665](http://energypolicy.columbia.edu/sites/default/files/energy/Four%20Years%20After%20Sandy%2C%20Tackling%20the%20Rising%20Threat%20of%20Fuel%20Emergencies%20.pdf?utm_source=Center+on+Global+Energy+Policy+Mailing+List&utm_campaign=5f16af4d57-EMAIL_CAMPAIGN_2016_11_14&utm_medium=email&utm_term=0_0773077aac-5f16af4d57-102123665)

Update: PES Successfully Restarts FCCU at Its 335,000 b/d Philadelphia, Pennsylvania Refinery November 10 – Source

Philadelphia Energy Solutions (PES) successfully restarted the 50,000 b/d fluid catalytic cracker unit (FCCU) last Thursday at the Point Breeze section of its Philadelphia, Pennsylvania refinery complex, according to a source familiar with the plant's operations. The FCCU was unexpectedly shut on November 5 due to a compressor issue.

Reuters, 8:51 November 11, 2016

ExxonMobil Reports Mechanical Failure at Its 238,600 b/ Joliet, Illinois Refinery November 11

Exxon Mobil reported a mechanical failure at its Joliet, Illinois refinery, according to a filing with the Illinois Emergency Management Agency. ExxonMobil also reported plans to re-establish a flare recovery system.

Reuters, 4:11 November 11, 2016

ExxonMobil Reports Flexicoker Rate Cut at Its 560,500 b/d Baytown, Texas Refinery November 11–13

ExxonMobil reported emissions from the flexicoker unit at its Baytown, Texas refinery from November 11 to November 13, according to a filing with the Texas Commission on Environmental Quality. The company reported that the unit's feed rate was curtailed during the safe utilization of the flare system.

Reuters, 23:03 November 13, 2016

Hydrocracker, Reformer Shut at ExxonMobil's 344,600 b/d Beaumont, Texas Refinery November 11 – Source

Sources familiar with operations at ExxonMobil's Beaumont, Texas refinery said the 65,000 b/d hydrocracker and an 80,000 b/d catalytic reformer were shut early last Friday after water was discovered in the reformer unit's feed pretreater. Since the reformer unit supplies the hydrocracker with hydrogen, the hydrocracker was also shut, the sources added. An ExxonMobil spokeswoman said a unit upset occurred at the Beaumont refinery on Friday, but declined identify the unit involved. Meanwhile, ExxonMobil reported flaring at the refinery on Sunday.

Reuters, 19:06 November 11, 2016

Reuters, 19:15 November 13, 2016

Lyondell Says Operations Unaffected at Its 263,776 b/d Houston, Texas Refinery November 10

LyondellBasell Industries said a process vessel over-pressurized last Thursday night while a heat exchanger was being put into service at its Houston, Texas refinery. The company said there was no impact to operations from the incident.

Reuters, 19:03 November 11, 2016

Flint Hills Reports Normal Operations after Flaring at Its 295,630 b/d Corpus Christi, Texas Refinery November 13

Flint Hills reported operations at the West plant of its Corpus Christi, Texas refinery returned to normal after flaring, according to a community information line.

Reuters, 21:23 November 13, 2016

Valero Reports Sulfur Unit Upset at Its 85,000 b/d Wilmington, California Refinery November 14

Valero Energy Corp on Monday reported a sulfur unit upset and ongoing sulfur dioxide emissions at its Wilmington, California refinery.

Reuters, 10:16 November 14, 2016

Shell Reports Unit Restarts at Scotford, Alberta Facility November 12

Royal Dutch Shell reported unit restarts at Scotford, Alberta facility on November 12, according to a community line alert. The Scotford facility houses a 100,000 b/d refinery and a 255,000 b/d oil sands upgrader.

Reuters, 3:42 November 14, 2016

U.S. Rid Count Increases to 452 November 11 – Baker Hughes

U.S. oil drillers added two oil rigs during the week ending November 11, bringing the total count up to 452, the most since February, but still below the 574 rigs seen a year ago, Baker Hughes said on Friday. The Baker Hughes oil rig count fell from a record 1,609 in October 2014 to a six-year low of 316 in May 2016.

http://www.rigzone.com/news/oil_gas/a/147393/Baker_Hughes_US_Drillers_Add_Oil_Rigs_For_21st_Week_In_24

Natural Gas

Transco Performing Unplanned Work at Its Station 14 in Texas November 11

Williams Companies' Transcontinental Gas Pipeline Co (Transco) said it was performing unplanned maintenance at its Station 14 in Brooks County, Texas. Transco said all receipt locations upstream of its Station 14, on the North Padre Island lateral, will not be available for flow into its system until further notice.

<http://www.1line.williams.com/1Line/wgp/download?delvid=7631427&hfNoticeFlag=Y&hfDownloadFlag=false&hfFileName=download.html>

Southern Union Reports Compressor Unit Shut at Its 140 MMcf/d Keystone Gas Plant in Texas November 12

Southern Union reported unit 24 shut due to a blown gasket on the third stage suction bottle. The Emperor 3 unit was not able to be put online due to high pressure on the canyon line. The gasket on a suction bottle was replaced and the compressor cylinder was repaired. Unit 24 was put back online.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=246893>

Other News

Nothing to report.

International News

Update: Loaded Crude Oil Tanker Exits Libya's Reopened Ras Lanuf Port – Official

A tanker left Libya's Ras Lanuf port on Monday carrying the first crude oil production to be exported since the terminal reopened in September, a port official said Monday. The tanker shipped 600,000 barrels and a second tanker was due to dock at Ras Lanuf shortly, the official said. Ras Lanuf is one of four ports that forces loyal to the eastern government seized and reopened in September after three had been blockaded by a rival faction. Until Monday, all exports from the terminal had been drawn from existing stocks. The reopening of the eastern ports has helped Libya's national production double to around 600,000 b/d, though that output is still far less than the 1.6 million b/d Libya was producing before its 2011 uprising.

Reuters, 10:12 November 14, 2016

Energy Prices

U.S. Oil and Gas Prices			
November 14, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	43.24	44.83	40.85
NATURAL GAS Henry Hub \$/Million Btu	2.03	2.19	2.01

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