



ENERGY ASSURANCE DAILY

Tuesday Evening, January 21, 2014

Electricity

Progress Energy's 900 MW Harris Nuclear Unit 1 in North Carolina Shut Due to Fire in Switchgear Room January 18

Progress Energy's Harris nuclear unit was shut from full power due to a fire in the switchgear room, according to the Nuclear Regulatory Commission. The fire was extinguished when the 480 VAC bus was de-energized.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140121en.html>

Luminant's 1,150 MW Comanche Peak Nuclear Unit 1 in Texas Shut January 18

Luminant's Comanche Peak nuclear unit was shut from full power due to a turbine trip, according to the Nuclear Regulatory Commission. A generator negative sequence current high alarm was received immediately prior to the turbine trip. The cause of the trip was under investigation.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140121en.html>

NMC's 578 MW Monticello Nuclear Unit in Minnesota Shut January 17

NMC's Monticello nuclear unit was shut from 91 percent power due to a reactor boundary pressure leak, according to the Nuclear Regulatory Commission. The leakage rate was 0.12 gallons per minute at power. All the leakage was retained within the reactor building closed cooling water system and there was no radioactive release from the plant.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140121en.html>

Entergy's 813 MW FitzPatrick Nuclear Unit in New York Reduced to 85 Percent by January 21

On the morning of January 20 the unit was operating at full power, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

Dynergy, LLC's 510 MW Moss Landing Gas-fired Unit 1 in California Returns to Service by January 19

The unit returned from an unplanned outage that began January 18.

<http://content.caiso.com/unitstatus/data/unitstatus201401191515.html>

LG&E, Kentucky Utilities Request Approval to Build 700 MW Natural Gas Combined-Cycle Generating Unit at Green River Site in Kentucky

Louisville Gas and Electric (LG&E) and Kentucky Utilities (KU) filed an application for certificates of public convenience and necessity with the Kentucky Public Service Commission requesting approval to construct a second natural gas combined-cycle generating unit (NGCC) and a solar generating facility in Muhlenberg County, Kentucky. Due to increased federal environmental regulations, LG&E and KU previously announced they are retiring 800 MW of older coal-fired generation—at Cane Run, Green River, and Tyrone stations—and building a 640 MW NGCC unit at Cane Run. The companies announced their plans to build a second NGCC and a photovoltaic solar facility in October. The NGCC at the existing Green River site is expected to add approximately 700 MW of capacity. Additionally, the companies will be seeking to construct a 10 MW solar at the Brown generating station. The utilities intend to have the NGCC unit online in 2018 and the solar facility online in 2016.

<http://pplweb.mediaroom.com/index.php?s=12270&item=136994>

DOE Provides \$1 Billion to FutureGen 2.0 Project's Coal-fired Power Plant with Carbon Capture in Illinois

The Department of Energy (DOE) will provide about \$1 billion of cost-shared funding to the FutureGen Industrial Alliance for the FutureGen 2.0 Project, a public-private partnership developing the world's first commercial-scale, coal-fueled oxy-combustion electric generation project integrated with carbon capture and geologic storage. The Alliance, cooperating with Ameren Energy Resources, will upgrade one unit in a power plant currently owned by Ameren near Meredosia, Illinois. The repowered unit will include oxy-combustion and carbon capture technologies designed to capture at least 90 percent of its carbon dioxide (CO₂) emissions during steady-state operation and reduce other emissions to near zero. The captured CO₂ will be transported through an approximately 30-mile pipeline to wells where it will be injected approximately 4,000 feet below ground into a geologic saline formation for permanent storage. The project will be designed to capture, transport, and inject approximately 1.2 million tons of CO₂ annually, and up to a total of 24 million tons over approximately 20 years. The DOE-funded demonstration period will last for 56 months from the start of operations, approximately 2017, through 2022.

<http://www.environmentalleader.com/2014/01/17/doe-provides-1bn-to-coal-power-plant-with-carbon-capture/>

Petroleum

Enbridge Restarts 450,000 b/d Line 67 After 125 Barrel Release at Rowatt Pump Station in Saskatchewan January 18

Enbridge Inc. shut down and isolated its Line 67 pipeline south of Regina, Saskatchewan, at approximately 10:50 a.m. MDT Saturday after a release from the pumping station piping within the Rowatt Station. An initial investigation determined the release, of about 125 barrels, occurred within the facility, and that all free product was contained on site. Due to high winds, some spray landed on the snow of an adjacent farm field and was picked up. The pumping station was isolated and Line 67 was restarted just before 9:20 p.m. MDT on Sunday. Line 67 is a 36-inch heavy oil line that is part of the Enbridge Mainline from Hardisty, Alberta to Superior, Wisconsin. Enbridge first responders with clean-up and response equipment were on-site. An investigation into the incident was also being conducted by Enbridge and regulators.

<http://finance.yahoo.com/news/enbridge-restarts-line-67-pump-061602970.html>

<http://www.cbc.ca/news/canada/saskatchewan/oil-cleanup-continues-after-pipeline-spill-south-of-regina-1.2502725>

CSX Freight Train Hauling Crude Oil Derails on Bridge in Pennsylvania January 20

A freight train carrying crude oil derailed on Monday on a railroad bridge in Philadelphia, Pennsylvania, forcing the closure of the Schuylkill Expressway, authorities said. Nothing leaked in the derailment which occurred about 1 a.m. EST near the Schuylkill River, the U.S. Coast Guard said in a statement. Local media quoted a CSX Corp. spokesman as saying the 101-car freight train was headed to Philadelphia from Chicago, and that seven cars derailed on the bridge. Six of the derailed cars carried crude oil, CSX said. The cause of the derailment was unknown, and no injuries were reported.

http://www.downstreamtoday.com/news/article.aspx?a_id=42049

<http://www.uscgnews.com/go/doc/4007/2071882/-Coast-Guard-locals-respond-to-train-derailment-on-Schuylkill-Arsenal-Bridge-in-Philadelphia->

Asian, European, Russian Refiners Shipping Half Million Tonnes of Gasoil, Diesel to U.S. Due to Cold Weather in January

Refiners in Asia, Europe and Russia are shipping around half a million tonnes of heating oil and diesel to the U.S. this month after cold weather sharply reduced oil stocks there. At least a dozen tankers have been booked so far in January to ship gasoil and diesel to the U.S. East Coast, according to traders and shipping data. The majority of the tankers, or around 300,000 tonnes of oil product, originated from the Baltic Sea and Black Sea. Also, around five cargoes of jet fuel heading from the Middle East and Asia to Europe were diverted to the U.S. in recent days, with several likely to discharge in Florida, traders said. A sharp decline in U.S. distillate stocks to below their five-year average last week and icy weather that swept across the U.S. East Coast have sent U.S. ultra-low-sulphur diesel futures higher this week. The difference between the front-month February U.S. and European benchmark gasoil futures, known as the HOGO, widened to above \$32 a tonne on Thursday, prompting the rare arbitrage.

http://www.downstreamtoday.com/news/article.aspx?a_id=42033

Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas January 18

Regency reported the acid gas injector (AGI) compressor shut down due to plant operational issues. Technicians were working on lining out the plant. The AGI flare and AGI volume meter were in service during the compressor downtime.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=193186>

ExxonMobil Reports Cat-3 Unit Shut at Its 65 MMcf/d Dollarhide Gas Plant in Texas January 16

ExxonMobil reported the Cat-3 unit shut on no signal from the speed sensor at its Dollarhide gas plant. The unit would not restart and the unit kill will not reset. The wells were shut in to mitigate flaring.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=193182>

Other News

Union Pacific Freight Train Hauling Coal Derails When Cold Weather Snaps Steel Track in Wisconsin January 19; Coal was En Route to 770 MW Edgewater Generating Station

A Union Pacific freight train derailed due to broken tracks on Sunday morning in Caledonia, Wisconsin. The Wisconsin Railroad Commissioner said the steel tracks get brittle in the cold and can snap. Nineteen cars of the 135-car train, carrying coal to Alliant Energy's 770 MW Edgewater Generating Station in Sheboygan, derailed. Alliant said it gets three train loads a week, so there is enough coal on site.

<http://www.thenorthwestern.com/viewart/20140120/OSH0101/301200192/Cold-snaps-steel-track-causing-derailment?odyssey=tab|mostpopular|text|FRONTPAGE>

International News

Libya Plans to End Seizures of Oil Ports Within Days – Prime Minister

Libya plans to remove protesters who have seized eastern ports vital for lucrative oil exports within the next few days, the Prime Minister said on Sunday. He did not say whether force would be used, telling Libya's al-Ahrar news channel that he did not want the country to plunge into civil war. Since the summer, a group of heavily-armed demonstrators has occupied three eastern oil ports, which together accounted for 600,000 b/d of exports, in a bid to force the Tripoli government to give it political autonomy.

<http://www.reuters.com/article/2014/01/19/libya-oil-idUSL5N0KTOTA20140119>

U.S. Eases Some Crude Oil Export Sanctions on Iran January 20

The U.S. on Monday eased some sanctions on Iran, suspending efforts to reduce Iranian crude oil exports, as part of a nuclear deal between Tehran and world powers that went into effect. The Treasury Department said that now that Iran has fulfilled its initial nuclear commitments under the deal, "the administration has taken the necessary steps to pause efforts to further reduce Iranian crude oil exports." This will allow the six current customers of Iranian oil to maintain their purchases at current reduced levels for the six-month duration of an interim nuclear deal between Iran and world powers, according to the Treasury Department.

<http://www.reuters.com/article/2014/01/20/nuclear-iran-usa-sanctions-idUSW1N0HC00620140120>

Energy Prices

U.S. Oil and Gas Prices			
January 21, 2014			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	94.53	92.37	95.10
NATURAL GAS Henry Hub \$/Million Btu	4.41	4.19	3.44

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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