



ENERGY ASSURANCE DAILY

Thursday Evening, May 22, 2014

Electricity

Thunderstorms Knock Out Power to 24,000 LGE-KU Customers in Kentucky May 21

Overnight thunderstorms in central and eastern Kentucky knocked out power to approximately 24,000 Louisville Gas and Electric-Kentucky Utilities (LGE-KU) customers in scattered areas Wednesday night. Most of the power outages were caused by high winds knocking tree limbs on to power lines or tangling wires. Electricity had been restored to most customers by early Thursday morning. As of 2:30 p.m. EDT, today, LGE-KU reports 4,024 customers without power.

<http://www.kentucky.com/2014/05/22/3253864/overnight-storms-knock-out-power.html?sp=/99/322/&ihp=1>
<http://stormcenter.lge-ku.com/default.html>

Substation Problem Briefly Knocks Out Power to 18,000 First Energy Customers in Lake County, Ohio May 21

A problem stemming from a substation in Lake County, Ohio, Wednesday afternoon left an estimated 18,000 FirstEnergy customers without power. The company said power had been restored to all customers by 3:30 p.m. EDT, yesterday.

<http://www.newsnet5.com/news/local-news/oh-lake/15000-without-power-in-lake-county>

Update: Xcel's 522 MW Prairie Island Nuclear Unit 2 in Minnesota Shut Due to Drain Piping Obstruction May 18

Xcel Energy Corp. shut down unit 2 at the Prairie Island nuclear power plant in Red Wing, Minnesota, early Sunday morning due to an obstruction in drain piping from a pump. The company said repairs on the drain piping are expected to be completed in a few days. Unit 1 continues to operate at full power.

[http://www.xcelenergy.com/About Us/Energy News/News Releases/Prairie Island Unit 2 shut down for maintenance](http://www.xcelenergy.com/About%20Us/Energy%20News/News%20Releases/Prairie%20Island%20Unit%20shut%20down%20for%20maintenance)

Update: FPL's 565 MW Duane Arnold Nuclear Unit in Iowa Ramped Up to 97 Percent by May 22

The Nuclear Regulatory Commission reported that on the morning of May 21 the unit was operating at 66 percent.

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

Update: FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Reduced to 84 Percent by May 22

The Nuclear Regulatory Commission reported that on the morning of May 21 the unit was operating at 96 percent.

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

Update: Progress Energy's 900 MW Harris Nuclear Unit 1 in North Carolina Restarts, Ramps Up to 15 Percent by May 22

The Nuclear Regulatory Commission reported that on the morning of May 21 the unit was not operating. The unit shut on May 16.

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

Tucson Electric Power Plans 500 MW Reduction in Coal-Fired Generation by 2018

Tucson Electric Power Company recently filed an integrated resource plan with the Arizona Corporation Commission, indicating plans to reduce reliance on coal-fired generation by about 32 percent over the next five years. The utility plans to cut its coal-fired generation from 1,538 MW to 1,045 MW by 2018.

<http://finance.yahoo.com/news/tucson-electric-power-cut-reliance-103000752.html>

DOE Announces Projects to Advance Cost-Effective Concentrating Solar Power Systems

The U.S. Department of Energy (DOE) said Wednesday that it will allocate \$10 million for six new research and development projects that will advance innovative concentrating solar power (CSP) technologies. The projects will develop thermochemical energy storage systems to enable more efficient storage of solar energy while using less storage material, cutting the cost for utility-scale CSP electricity generation as a result. It also highlighted five CSP deployment projects that are already producing clean, renewable energy. In "2014: The Year of Concentrating Solar Power," DOE focuses on five innovative CSP plants that are expected to be fully operational in the southwestern United States in 2014. According to the report, when completed, these projects will provide a combined 1.26 GW of electricity, nearly quadrupling the preexisting CSP capacity in the United States.

<http://www.energy.gov/articles/energy-department-announces-projects-advance-cost-effective-concentrating-solar-power>

Petroleum

Koch Pipeline to Expand South Texas Crude Oil Pipeline System with New 200,000 b/d Pipeline from Eagle Ford Shale Play

Koch Pipeline Company, LP said Wednesday it will expand its South Texas crude oil pipeline system with the installation of an additional 24-mile pipeline in San Patricio County, Texas, with an expected initial capacity of approximately 200,000 b/d. The new 16-inch pipeline is expected to begin service in the second quarter of 2014 and will transport Eagle Ford Shale crude to the Gulf Coast.

<http://www.kochind.com/files/052014KPLAnnouncesNewProjecttoMoveEagleFordCrude.pdf>

Update: Petrobras' 100,000 b/d Pasadena, Texas Refinery Operating Normally May 21

Petrobras Brasileiro SA said operations at its Pasadena, Texas refinery were normal on Wednesday following emissions from a gasoline-making fluid catalytic cracking unit, and there was no impact to production.

Reuters, 23:38 May 21, 2014

CVR Energy Reports Malfunction at Its 70,000 b/d Wynnewood, Oklahoma Refinery May 20

CVR Energy Inc. reported emissions due to an unspecified malfunction at its Wynnewood, Oklahoma, refinery on Tuesday, according to a filing with state pollution regulators. The filing did not indicate if there was any impact on refinery operations.

Reuters, 16:22 May 21, 2014

Phillips 66 Reports Malfunction at Its 198,400 b/d Ponca City, Oklahoma Refinery May 16

Phillips 66 reported an unspecified malfunction at its Ponca City, Oklahoma, refinery, according to a filing with the Oklahoma Department of Environmental Quality made public on Wednesday.

Reuters, 16:29 May 21, 2014

Update: Phillips 66 Resumes Operations at Its 44,500 b/d Santa Maria Upgrading Facility in California May 22

Phillips 66 said Thursday that operations at its Santa Maria upgrading facility in Arroyo Grande, California, resumed following an unplanned shutdown due to a power outage May 20.

Reuters, 10:00 May 22, 2014

Shell Restarting Unit at Its 255,000 b/d Scotford Upgrader in Alberta May 21

Royal Dutch Shell was restarting an unspecified unit at its Scotford oil sands upgrader near Edmonton, Alberta, it said in a message posted on a community information line Wednesday afternoon. There may be intermittent flaring over the next 48 hours, and there is no material impact on production from the activity, the company said.

Reuters, 18:39 May 21, 2014

Spectra Proposes 1.1 Bcf/d Pipeline from Marcellus Shale Play to North Carolina

Spectra Energy has proposed building a \$4 billion, 427-mile natural gas pipeline that when completed would have the capacity to transport up to 1.1 Bcf/d. The Spectra Carolina project would run from the Texas Eastern Transmission LLC compressor station 220 in Bedford County, Pennsylvania, extending through Maryland, Virginia, and West Virginia, and terminating in North Carolina. The company said the pipeline would tentatively be ready to operate in late 2018, but it is still in the early stages and plans may not be finalized for 18 months.

<http://www.naturalgasintel.com/articles/98430-spectra-considering-11-bcf-d-pipe-from-marcellus-to-north-carolina>

ANR Pipeline Reports Capacity Reduction on 1.5 Bcf/d Michigan Leg North Due to Unplanned Maintenance of Woolfork Compressor Station May 22

On Thursday, Trans Canada's ANR Pipeline updated its capacity restriction for the unplanned maintenance at its Woolfork Compressor Station along its Michigan Leg North located in the Northern Fuel Segment (ML-7). Capacity will be reduced by 271 MMcf/d, leaving 1,229 MMcf/d available from May 22 to July 1.

<http://anrebb.transcanada.com/>

Other News

Nothing to report.

International News

Update: Libya's Brega Port Company Office Shut by Protesters May 22

Protesters have shut the headquarters of Libya's Sirte Oil Company, which runs the Brega Oil port, the only eastern port to have remained open throughout most of the nine month stand-off with a rebel group, according to the state news agency. Sirte's crude oil production has now been completely shut down due to the protests, according to a company source. Early this month, protests forced the closure of two fields producing approximately 39,000 b/d.

<http://af.reuters.com/article/topNews/idAFKBN0E217R20140522>

Reuters, 8:56 May 22, 2014

U.S. Embassy, British Officials Warn of Kidnapping Threat to Oil Workers in Iraq May 22

The U.S. Embassy and British officials said Thursday that oil workers in the southern Iraqi province of Basra may be at risk of kidnapping by militant groups. They are cautioning oilfield operators, including ExxonMobil and Occidental Petroleum, which operate oilfield concessions in Basra, to look for possible threats. Iraqi officials in Basra said they have not seen any signs of threats to foreign workers.

<http://iraq.usembassy.gov/em-052214.html>

Reuters, 5:36 May 22, 2014

Update: Iraqi Kurdistan Exports First Oil from Turkey via New Pipeline – Turkish Energy Minister

Turkey's Energy Minister said on Thursday that exports of Iraqi Kurdish oil stored at the port of Ceyhan had begun on the Mediterranean coast, despite the continued dispute between Baghdad and the Kurdistan Regional Government (KRG) over the sharing of oil revenues. KRG has sent some 2.5 million barrels of oil into storage tanks at Ceyhan through a new KRG-built pipeline in which crude flow started last December.

Reuters, 9:40 May 22, 2014

Energy Prices

U.S. Oil and Gas Prices May 22, 2014			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	104.13	101.72	93.51
NATURAL GAS Henry Hub \$/Million Btu	4.57	4.41	4.16

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 and 1:00 PM Eastern Time every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM Eastern Time every Thursday.

ENERGY ASSURANCE DAILY

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

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