



ENERGY ASSURANCE DAILY

Monday Evening, November 24, 2014

Electricity

High Winds Knock Out Power to Over 217,000 Customers in Michigan and Ohio November 24

High winds, with gusts up to 60 mph, knocked out power to 217,271 customers in Michigan and Ohio as of 4:00 p.m. EST on Monday. DTE, the hardest hit utility, said it expects that number to rise into the evening hours. High wind warnings are in effect for parts of the area until 7 p.m. EST on Monday.

Michigan and Ohio Customer Power Outages November 24, 2014			
Electric Utility	State	Peak	Latest Reported
DTE	MI	93,019	93,019
AEP	OH	47,097	47,197
First Energy	OH	55,998	55,998
Duke Ohio	OH	21,157	21,157
TOTAL*		217,271	217,271

*Total outages represent only electric utilities listed in this table.

Sources:

<http://www.dteenergy.com/map/outage.html>

<https://aepohio.com/outages/>

<http://outages.firstenergycorp.com/oh.html>

<http://outagemap.duke-energy.com/ohky/default.html>

http://www.mlive.com/news/ann-arbor/index.ssf/2014/11/estimated_10000_customers_with.html

<http://www.clickondetroit.com/weather/dte-energy-44000-without-power-in-se-michigan/29903876>

<http://www.newsnet5.com/weather/weather-news/19000-customers-without-power-in-northeast-ohio-most-in-wayne-medina-summit-cuyahoga-counties>

Exelon's 855 MW Quad Cities Nuclear Unit 1 in Illinois Reduced to 75 Percent by November 23

On the morning of November 22 the unit was operating at full power.

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

Dynegy's 510 MW Moss Landing Gas-fired Unit in California Returns to Service by November 23

The unit returned from an unplanned curtailment of 260 MW that began by November 22.

<http://content.caiso.com/unitstatus/data/unitstatus201411231515.html>

AES's 175 MW Redondo Gas-fired Unit 6 in California Returns to Service by November 23

The unit returned from an unplanned outage that began by November 22.

<http://content.caiso.com/unitstatus/data/unitstatus201411231515.html>

Update: Silicon Valley Power's 148 MW Donald Von Raesfeld Power Project Gas-fired Unit in California Returns to Service by November 22

The unit returned from an unplanned outage that began by November 14.

<http://content.caiso.com/unitstatus/data/unitstatus201411221515.html>

ALLETE Finalizes Agreement to Develop 107 MW Wind Farm in North Dakota

ALLETE Clean Energy, a subsidiary of ALLETE, Inc., finalized a major development agreement with Montana-Dakota Utilities, a division of MDU Resources Group. ALLETE Clean Energy (ACE) acquired the rights to develop a wind farm near Hettinger, North Dakota, about 100 miles southwest of Bismarck. ACE will develop and construct a 107 MW wind farm on the site using 43 turbines. The project will then be sold to Montana-Dakota for approximately \$200 million. Montana-Dakota will own and operate the project for use by its utility customers. Construction of the project is expected to be completed in December 2015. The purchase is subject to regulatory approvals.

<http://investor.allete.com/releasedetail.cfm?ReleaseID=884405>

Petroleum

PES Reports Several Units Shut Due to Process Upset at Its 335,000 b/d Philadelphia, Pennsylvania Refinery November 20

Reuters, 17:12 November 21, 2014

ExxonMobil Reports Emissions Due to Leak at Its 238,600 b/d Joliet, Illinois Refinery November 22

Exxon Mobil Corp reported hydrogen sulfide emissions due to a leak at its Joliet, Illinois refinery on Saturday, according to a filing with the Illinois Emergency Management Agency.

Reuters, 4:22 November 24, 2014

Phillips 66 Reports Equipment Failure at Its 336,000 b/d Wood River, Illinois Refinery November 22

Phillips 66 reported an unspecified equipment failure on Saturday at its Wood River refinery in Roxana, Illinois, according to a filing with the Illinois Emergency Management Agency.

Reuters, 23:16 November 23, 2014

Phillips 66 Reports Gasoline Release Due to a Fire at Its 239,400 b/d Westlake, Louisiana Refinery November 23

Phillips 66 reported a release of gasoline into the atmosphere due to a fire which was extinguished, according to a filing with the National Response Center. The incident, which occurred on November 23, was under investigation.

Reuters, 11:01 November 24, 2014

Citgo Reports Flaring Due to Power Blip at Its 427,800 b/d Lake Charles, Louisiana Refinery November 23

Citgo Petroleum Corp reported a release of sour hydrocarbons from a flare due to a power failure on November 23, according to a filing with the National Response Center.

Reuters, 11:13 November 24, 2014

Shell Reports Equipment Failure at Its Deer Park, Texas Complex November 22

Royal Dutch Shell Plc reported a discharge of ultra low sulfur diesel fuel from a pump case due to equipment failure on November 22, according to a filing with the National Response Center. The facility houses a 327,000 b/d refinery and a chemical plant and it was not immediately clear whether the incident took place at the chemical plant or the refinery.

Reuters, 11:07 November 24, 2014

Flint Hills Reports Flaring Due to Power Outage at Its 293,000 b/d Corpus Christi, Texas Refinery November 23

Reuters, 11:01 November 24, 2014

ExxonMobil Reports Emissions at Its 60,000 b/d Billings, Montana Refinery November 21

24-Nov-2014 11:07

Shell Reports Power Outage at Its 156,400 b/d Martinez, California Refinery November 22

Royal Dutch Shell Plc reported that sulfur dioxide was released to the flare due to a power outage on November 22. Reuters, 11:12 November 24, 2014

Chevron Reports Valve Leak Contained at Its 245,271 b/d Richmond, California Refinery

Chevron Corp said the leak at its Richmond, California, refinery was contained and no effect on supply was anticipated.

Reuters, 15:47 November 21, 2014

Kinder Morgan Resumes Work on Its 300,000 b/d Trans Mountain Pipeline Expansion in British Columbia

Kinder Morgan Energy Partners said on Friday that crews resumed survey work related to its Trans Mountain pipeline expansion project in the Vancouver suburb of Burnaby, even as Canadian police arrested more protesters at two work sites. Kinder Morgan said it was able to move its equipment onto Burnaby Mountain overnight and that crews would be working 24 hours a day for the next 10 to 12 days to complete drilling work required by regulators. The company, which hopes to nearly triple the capacity of the existing 300,000 b/d pipeline, plans to bore two holes deep into the mountain to test if it can run the expanded line under the conservation site. Environmentalists, aboriginal groups and many area residents are opposed to the expansion, which would allow the company to ship more tar sands crude from Alberta to a port in Vancouver and on to Asian markets. The company's proposal to expand the 60-year-old Trans Mountain pipeline is being reviewed by Canadian regulators, with a decision expected in early 2016.

<http://finance.yahoo.com/news/kinder-morgan-resumes-canadian-pipeline-004108235.html>

Phillips 66 and Energy Transfer Announce Open Season for Texas to Louisiana Crude Oil Pipeline

Phillips 66 and Energy Transfer Partners, L.P. on Monday announced the launch of a binding open season to assess interest in committed service under local tariffs for crude oil pipeline transportation originating at Nederland, Texas, for deliveries to various crude oil terminals and refineries in the vicinity of Lake Charles and St. James, Louisiana. The binding open season will commence on December 1.

<http://investor.phillips66.com/investors/news/news-release-details/2014/Phillips-66-and-Energy-Transfer-Announce-Open-Season-for-Nederland-to-St-James-Crude-Oil-Pipeline/default.aspx>

Phillips 66 and Paradigm Energy Announce Plans to Construct 76-Mile Sacagawea Pipeline and 100,000 b/d Palermo Rail Terminal in North Dakota

Phillips 66 Partners LP and Paradigm Energy Partners, LLC announced that they have executed agreements to form two joint ventures to develop midstream logistics infrastructure in North Dakota. Consisting of two previously announced projects, the Sacagawea Pipeline (the "Pipeline JV") and the Palermo Rail Terminal (the "Rail JV"), the joint ventures are designed to enhance logistical options for crude oil transportation in the Bakken region. Pipeline JV will own and construct a crude oil storage terminal, a central delivery point for various crude gathering systems located in Keene, North Dakota (the "Paradigm CDP"). The Sacagawea Pipeline project is a 76-mile pipeline being developed to deliver crude oil from various points in and around Johnson's Corner and the Paradigm CDP, located in McKenzie County, to destinations with take away options for both rail and pipeline in Palermo and Stanley, located in Mountrail County. In October, Paradigm recently extended an open season for the pipeline, which is expected to close on December 15. Rail JV will own the Palermo Rail Terminal, a crude oil rail-loading facility, designed to have an initial capacity of 100,000 b/d, with the flexibility to be expanded to 200,000 b/d. The terminal will have direct access to the Sacagawea Pipeline and provide East and West Coast rail access for third-party shippers through the BNSF railway. The transactions are expected to close in the fourth quarter of 2014 and both the pipeline and rail terminal are expected to commence commercial operations in the first quarter of 2016.

<http://www.phillips66partners.com/EN/newsroom/news-releases/all/Pages/11-21-2014.aspx>

Natural Gas

Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas November 23

Regency reported the acid gas injector (AGI) compressor shut due to a panel malfunction. The CAT 5 cable was pulled and the panel was reset. All errors were cleared, and the AGI compressor was reset and restarted.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=206733>

Enbridge Reports SCOT Shut at Its Pittsburg Gas Plant in Texas November 22

Enbridge reported a thermocouple failure which resulted in the SCOT unit to shutdown. The thermocouple was replaced and the SCOT unit was brought back into compliance. To mitigate emissions during this event, the thermal oxidizer was utilized.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=206726>

DCP Midstream Reports Turbine Shut at Its 160 MMcf/d Goldsmith Gas Plant in Texas November 21

DCP Midstream reported the B turbine shut due to a hot bearing on the no. 7 compressor bearing. A turbine technician determined that the hot bearing indication was false and caused by a faulty probe. The issue was corrected and operators restarted the B turbine, ending the flare event.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=206724>

Southern Union Reports Auxiliary Burner Shut at Its 140 MMcf/d Keystone Gas Plant in Texas November 20

Southern Union reported a shut auxiliary burner on the sulfur recovery unit (SRU). The fire eye and tubing were cleaned and the unit was put back on line.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=206687>

Southern Natural Gas Completes Unplanned Work at Its White Castle, Louisiana Compressor Station November 24

<http://ixsnp.sonetpremier.com/ebbmasterpage/Notices/NoticesAutoTable.aspx?code=SNG&status=Notice&name=Critical%20Notices&sParam1=007&sParam7=36446&sParam11=D&details=Y>

AmeriGas Reports Explosion, Fire Following Propane Leak in Wyoming November 20

Authorities are investigating the source of an explosion and fire at AmeriGas in Teton County November 20. Fire crews spent several hours containing the fire and employees stated that the blaze occurred following a leak while a truck was refilling underground propane tanks. Source:

http://www.jhnewsandguide.com/jackson_hole_daily/amerigas-blaze-extinguished/article_4eae92d2-8455-5f47-8570-98998a386717.html

Transco Seeks Shippers' Interest in 1,400,000 dt/d Gulf Market Expansion

Williams Cos Inc's Transcontinental Gas Pipeline Co (Transco) on Friday announced an open season for the Transco Gulf market expansion project. The open season will end December 2. Transco anticipates the project will provide up to 1,400,000 dt/d of firm transportation capacity from receipt points in Transco's Zone 4 and Zone 3 to delivery points in Transco's Zone 3, Zone 2, and Zone 1. The receipt point for the project will be the Station 65, Zone 3 Pool in St. Helena Parish, Louisiana ("Station 65"), but there will be an option to elect the Station 85, Zone 4 Pool in Choctaw County, Alabama ("Station 85") as a receipt point for up to 500,000 dt/d. Delivery points may be selected by potential shippers among existing and proposed mainline delivery points in Transco's Zone 3, Zone 2, and Zone 1. Transco's 10,200-mile gas pipeline system has the capacity to carry 9.9 Bcf/d from the Gulf Coast to markets throughout the Southeast, mid-Atlantic and Northeast, including New York City.

Reuters, 18:10 November 21, 2014

Other News

Nothing to report.

International News

Shell Shuts Nigeria Pipeline Carrying Bonny Light Crude Oil Due to Leak

Nigeria's oil exports were disrupted after Shell's local unit shut a pipeline that carries Bonny Light crude oil after it discovered a leak on Saturday, the company said on Monday. About six cargoes of Bonny Light crude are exported each month, or around 180,000-200,000 b/d. A Shell spokeswoman in London said that force majeure had not been declared on the grade.

Reuters, 9:57 November 24, 2014

Update: Libya Restarts Production at Eastern 65,000 b/d Nafoura Oilfield

Libya has restarted production at the eastern Nafoura oilfield after locals demanding jobs ended a protest, a spokesman for the state oil operator said on Monday. The field in eastern Libya used to produce up to 65,000 b/d of oil until local protesters forced a shutdown over a month ago, demanding to be hired by state oil firm AGOCO, oil officials said.

Reuters, 5:23 November 24, 2014

Energy Prices

U.S. Oil and Gas Prices			
November 24, 2014			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	0.00	75.11	94.71
NATURAL GAS Henry Hub \$/Million Btu	0.00	4.05	3.78

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