



ENERGY ASSURANCE DAILY

Tuesday Evening, November 25, 2014

Electricity

Update: High Winds Knock Out Power to Over 558,000 Customers in Midwest, Pennsylvania, Ontario, Quebec November 24–25

High winds, with gusts up to 60 mph, knocked out power to 558,619 customers in Indiana, Kentucky, Michigan, Ohio, Pennsylvania, Quebec, and Ontario on Monday. As of 3:30 p.m. EST, 105,741 customers remained without power. DTE Energy, the hardest hit utility, said early Tuesday that it had crews working 16-hour shifts to get power back to customers that were impacted. DTE said the winds caused reports of more than 1,000 downed power lines across the company’s Southeast Michigan service area. Crews are expected to get the vast majority of customers who lost power restored by Wednesday night. Hydro One in Ontario expects the majority of its customers to have power restored today, but some customers may be without power overnight.

Midwest, Pennsylvania, Ontario, Quebec Customer Power Outages			
November 24 – 25, 2014			
Electric Utility	State	Peak	Latest Reported
Kentucky Utilities	KY	13,767	32
DTE Energy	MI	180,000	43,571
Consumers Energy	MI	30,000	7,228
Indiana Michigan Power	IN/MI	15,000	27
AEP	OH	47,097	7,167
First Energy	OH	55,998	2,115
Duke Ohio	OH	21,157	796
Duquesne Light Co	PA	25,000	450
Hydro-Quebec	Quebec	73,600	12,771
Hydro One	Ontario	87,000	31,184
Toronto Hydro	Ontario	10,000	400
TOTAL*		558,619	105,741

*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://stormcenter.lge-ku.com/default.html>
- <http://www.torontohydro.com/sites/electricsystem/PowerOutages/Pages/OutageMap.aspx>
- <http://www.hydroone.com/StormCenter3/>
- <http://poweroutages.hydroquebec.com/poweroutages/service-interruption-report/#bis>
- <http://www.consumersenergy.com/outagemap>
- <https://www.indianamichiganpower.com/outages/>
- <https://www.duquesnelight.com/forOurCustomers/ImportantInformation.cfm>
- <https://www.facebook.com/DuquesneLight>
- <https://www.facebook.com/indianamichiganpower>
- <https://twitter.com/consumersenergy>
- <https://twitter.com/hydroquebec>
- <https://twitter.com/TorontoHydro>
- <https://twitter.com/HydroOne>
- <https://www2.dteenergy.com/wps/portal/dte/residential/problemsSafety/details/outage%20center>

https://www.firstenergycorp.com/content/fecorp/newsroom/news_releases/firstenergy-s-utilities-monitoring-heavy-wind-conditions-across-.html
<http://www.freep.com/story/news/local/michigan/2014/11/24/metro-detroit-high-wind-weather/70053624/>
<http://www.lex18.com/news/more-than-13-000-without-power-in-lexington-area/>
<http://www.cbc.ca/news/canada/montreal/strong-winds-leave-thousands-without-power-1.2848921>
<http://www.cbc.ca/news/canada/toronto/thousands-still-without-power-after-windstorm-rocks-city-1.2848888>

JCP&L Completes Inspections and Maintenance to Help Prepare System for Winter Weather in New Jersey

In preparation for winter, Jersey Central Power & Light (JCP&L), a subsidiary of FirstEnergy Corp., was completing inspections and conducting maintenance on weather-sensitive equipment across its service area. Winter's cold temperatures, heavy snow and wind have the potential to cause damage to poles, wires and substations, requiring crews to make repairs in difficult conditions. The work includes inspecting heating equipment for substation components, such as capacitor banks, transformers, and oil- and gas-filled circuit breakers. Some substations also include buildings that house remote-controlled relay-equipment. These structures were winterized and the heating systems inspected. Company bucket trucks and other vehicles also are being inspected to ensure safe operation during the winter season. Special emphasis is placed on the condition of tires and any air braking systems, which can freeze up if moisture is present. In addition, snow removal equipment is being checked. Plows are used to help crews gain access to substations, and to clear the work areas and sidewalks at company service garages and other facilities. Helicopter patrols also are completing inspections on more than 750 miles of FirstEnergy transmission lines located in the JCP&L area. The inspections are designed to look for damaged wire, broken cross arms, failed insulators, and other hardware problems not visible from the ground. Any potential reliability issues identified during the inspection may then be addressed.

https://www.firstenergycorp.com/content/fecorp/newsroom/news_releases/jcp-l-completes-inspections-and-maintenance-to-help-prepare-syst.html

Update: Exelon's 855 MW Quad Cities Nuclear Unit 1 in Illinois at Full Power by November 25

On the morning of November 24 the unit was operating at 75 percent, reduced from full power on November 22.
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

Update: Wolf Creek's 1,165 MW Wolf Creek Nuke Unit 1 in Kansas at Full Power by November 25

On the morning of November 24 the unit was operating at 89 percent, reduced from full power one November 15.
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

Petroleum

CDU Restarted, VDU and Coker Remain Shut at Phillips 66's 306,000 b/d Wood River, Illinois Refinery November 25 Following Upset November 22

Genscape reported the 64,000 b/d crude distillation unit (CDU) was restarted and the 30,000 b/d vacuum distillation unit (VDU) and 16,000 b/d coker remained shut following an upset on November 22. Significantly decreased furnace stack activity at all three units was observed beginning the morning of November 22. The company reported flaring due to an unspecified equipment failure in a filing with the IEMA.

Reuters, 6:56 November 25, 2014

Husky Reports Leak after Repairs, Throughput Not Affected by Effluent System Snag at Its 155,000 b/d Lima, Ohio Refinery November 24

Husky Energy Inc reported a malfunction with the effluent treatment system had no impact to refinery throughputs. Repairs over the weekend following a malfunction in a waste water treatment system could have led to an unidentified leak on Monday into the Ottawa River, according to a report. Heavy rain could have contributed to the spill, the report said.

Reuters, 15:38 November 24, 2014

ExxonMobil Says Repairs Complete after Boiler Shutdown at Its 59,000 b/d Billings, Montana Refinery November 20

ExxonMobil Corp reported a boiler shutdown in one of its processing units on November 20. The company said operations on that unit were stabilized while repairs were safely made to the boiler. The repairs were completed on November 21. The company reported emissions at the refinery on November 21.
Reuters, 13:27 November 24, 2014

Update: Phillips 66 Says Unit Remains Shut at Its 239,400 b/d Lake Charles, Louisiana Refinery November 24 after Fire November 23

Phillips 66 said on Monday a unit remained shut following a fire on Sunday morning at its Lake Charles refinery in Westlake, Louisiana. Refinery operations have continued uninterrupted and there were no injuries due to the fire, which was put out by the plant's in-house emergency response team, the company said. An investigation was underway into the incident, it added. The company reported a gasoline release due to a fire at the refinery, according to a filing with the U.S. National Response Center.
Reuters, 12:21 November 24, 2014

Plains All American Announces Plans to Expand Takeaway Capacity by 80,000 b/d on Cactus Pipeline in Texas

Plains All American Pipeline, L.P. on Monday announced plans to provide additional pumps to increase the takeaway capacity of the Cactus Pipeline in response to higher regional production forecasts and shipper demand in the Permian Basin of West Texas. Installation of booster stations along the pipeline, which runs from McCamey to Gardendale, Texas, will result in an increase in throughput from approximately 250,000 b/d to approximately 330,000 b/d. The Cactus Pipeline is expected to be in service in April 2015; the expansion will be completed in the fourth quarter of 2015.

<http://ir.paalp.com/profiles/investor/ResLibraryView.asp?ResLibraryID=74026&BzID=789&t=1309&g=549&Nav=0&LangID=1&s=0>

Natural Gas

Destin Informed About 1-2 Days of Unplanned Work on 30-Mile Wilprise NGL Pipeline in Louisiana November 25; Outage Won't Impact Pascagoula Gas Processing Plant

The Pascagoula Gas Processing Plant (PGP) advised Destin that it has been informed by Tri-States NGL Pipeline that the Wilprise NGL Pipeline will be taken out of service for approximately 24-48 hours from November 25. Destin said during the outage, Wilprise will not be able to provide transportation services from Tri-States to its delivery points. PGP has indicated Wilprise work will not have any impact on its ability to receive and process gas from Destin's offshore receipt points. The 225-mile Destin gas pipeline system can carry 1.2 Bcf/d from offshore Gulf of Mexico to the Pascagoula plant and then north to interconnections with six major interstate gas lines.
Reuters, 20:15 November 24, 2014

<http://web3.destinpipeline.com/enotice/NonCriticalDetail.aspx?codeKey=des2014328.191726>

<http://www.enterpriseproducts.com/operations/nglPipelines.shtm>

Regency Reports Flaring at Its 290 MMcf/d Waha Gas Plant in Texas November 24

Regency reported flaring due to a high concentration of carbon dioxide on the plant inlet. The compressor by-pass valves were being manually to minimize gas flow to the flare.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=206789>

DCP Midstream Reports Wight Booster Shut at Its 160 MMcf/d Goldsmith Gas Plant in Texas November 23

DCP Midstream reported the Wight Booster NR1 shut due to low compressor oil pressure, which caused excessive pressure on the 5 pound inlet resulting in flaring. Plant operators made adjustments to minimize the flare volume, while field operators brought the Wight Booster NR1 back online. Once the booster was online, the flare event ended.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=206768>

Southern Union Reports SRU Shut at Its 140 MMcf/d Keystone Gas Plant in Texas November 24

Southern Union reported the sulfur recovery unit (SRU) shut when the auxiliary burner was unable to light. The fire eye, mixing valve, and igniter rod on the auxiliary burner were cleaned.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=206791>

Other News

Nothing to report.

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
November 25, 2014			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	73.99	75.64	94.20
NATURAL GAS Henry Hub \$/Million Btu	4.06	4.22	3.79

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