



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, February 22, 2016

Electricity

Update: Nearly 2,000 Customers Remain without Power in Upper Midwest February 22 after High Winds Hit February 19

High winds with gusts up to 70 mph knocked out power to 521,191 customers throughout Illinois, Indiana, Michigan, Ohio, and Wisconsin with impacts beginning on Friday afternoon and continuing over the weekend. As of 3:30 p.m. EST Monday, 1,966 customers remained without power. ComEd, the hardest hit utility with 260,000 customer outages in Illinois, reported on Saturday that it had restored power to 99 percent of its customers affected by the wind storm. The utility said that damaging winds snapped power lines bringing down heavy debris and trees, which interfered with electrical lines. DTE on Saturday said it had restored power to 103,500 customers by 10:00 p.m. EST, with complete restoration expected by Sunday evening. The table below shows total affected customers and the latest reported outages by each utility. The "Affected" column shows either the total number of customers that lost power at one point or another during the outage event as reported by the utility or, when unavailable, the highest number of customers reported without power from various local news articles and utility outage websites, which were checked at various times throughout the day.

Upper Midwest Customer Power Outages			
February 19 – 22, 2016			
Electric Utility	State	Affected	Latest Reported
ComEd	IL	260,000	152
Mid American Energy	IA/IL	10,030	0
Ameren Illinois	IL	908	63
Northern Indiana Public Service Company (NIPSCO)	IN	22,000	6
Duke Indiana	IN	5,428	23
Indianapolis Power and Light	IN	2,061	18
Indiana and Michigan Power	IN	1,851	2
Consumers Energy	MI	40,000	34
Indiana and Michigan Power	MI	2,120	2
DTE	MI	123,500	292
Lansing Board of Water and Light	MI	1,801	0
Duke Ohio and Kentucky	OH	9,021	60
AEP - Ohio	OH	3,471	906
First Energy	OH	15,000	286
WE Energies	WI	24,000	122
TOTAL*		521,191	1,966

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

Sources:

<https://www.comed.com/layouts/comedsp/OutageMap.aspx>

https://www.comed.com/newsroom/pages/newsroomreleases_02202016.pdf?FileTracked=true

<http://apps.ameren.com/outage/OutageMap.aspx?state=IL>

<https://www.midamericanenergy.com/outagewatch/dsk.html>

https://twitter.com/MidAm_EnergyCo?ref_src=twsrc%5Etfw

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

<https://www.indianamichiganpower.com/outages/outageMap.aspx>

<http://apps.iplpower.com/outages/outagemap.aspx>

<https://twitter.com/IPLPower>

<http://www.nipscooutages.com/WSSNisourceOutageMap/outagemap.html?action=city&reloaded=true>

<https://www.nipsco.com/stay-safe/outage-center>
<http://outageinfo.lbwl.com/Home/PowerOutageHome>
<http://www.dteenergy.com/map/outage.html>
<https://www.consumersenergy.com/outagemap#>
<https://www.indianamichiganpower.com/outages/outageMap.aspx>
<http://www.we-energies.com/outagemapext/default.html>
https://twitter.com/we_energies
<http://woodtv.com/2016/02/19/thousands-without-power-high-winds-likely-to-blame/>
<http://chronicle.northcoastnow.com/2016/02/20/ohio-edison-crews-dispatched-through-county-as-15000-without-power/>
<http://wlns.com/2016/02/19/more-than-31660-people-without-power-in-lansing-area-as-strong-winds-roll-through/>
<http://www.wpc.ncep.noaa.gov/discussions/hpcdiscussions.php?disc=pmdspd>
<http://fox6now.com/2016/02/19/we-energies-more-than-3000-customers-without-power-due-to-gusting-winds/>
<http://www.wcpo.com/weather/heavy-winds-leave-thousands-without-power-across-tri-state>
<http://www.press-citizen.com/story/news/2016/02/19/thousands-without-power-iowa-city/80615728/>
<http://www.mystateline.com/news/high-winds-keeping-stateline-power-crews-busy>
https://twitter.com/dte_energy

Update: TVA's 1,125 MW Sequoyah Nuclear Unit 1 in Tennessee at Full Power by February 21

On the morning of February 20 the unit was operating at 88 percent after restarting on February 15. The unit was shut on December 26 for a generator inspection and repair.

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

Constellation's 1,120 MW Nine Mile Point Nuclear Unit 2 in New York Reduced to 84 Percent by February 20

On the morning of February 19 the unit was operating at full power.

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

Petroleum

Update: Motiva Discovers Leak, Shuts CDU during Delayed Restart Attempt at Its 603,000 b/d Port Arthur, Texas Refinery February 22 – Sources

Motiva Enterprises shut the 195,000 b/d crude distillation unit (CDU) during a delayed restart attempt at its Port Arthur, Texas refinery after discovering a leak from a flare system feed line, according to sources familiar with plant operations. The CDU, which has been shut for a two-month overhaul, was initially planned to restart by February 18, but was delayed last week due to difficulty installing instrumentation on an associated catalytic reforming unit. The sources added that no date has been set for another CDU restart attempt.

Reuters, 11:25 February 22, 2016

<https://www.oe.netl.doe.gov/docs/eads/ead021916a.pdf>

<https://www.oe.netl.doe.gov/docs/eads/ead021016.pdf>

PBF Reports Emissions at Its 182,200 b/d Delaware City, Delaware Refinery February 22

PBF Energy Inc reported sulfur dioxide emissions at its Delaware City, Delaware refinery, according to a filing with the state pollution regulator.

Reuters, 10:11 February 22, 2016

Motiva Reports Flaring at Its 238,000 b/d Norco, Louisiana Refinery February 19

Motiva Enterprises reported an equipment malfunction caused elevated flaring, according to a filing with the National Response Center filing. Because Motiva Enterprises houses a 238,000 b/d refinery and a chemical plant at its Norco facility, it remains unclear at which complex the incident occurred.

Reuters, 11:20 February 22, 2016

Chevron Reports Plant Shutdown at Its 330,000 b/d Pascagoula, Mississippi Refinery February 19

Chevron Corp reported an equipment malfunction caused the plant to shutdown, according to a filing with the National Response Center.

Reuters, 11:03 February 22, 2016

Marathon Reports Flaring at Its 242,000 b/d Catlettsburg, Kentucky Refinery February 20

Marathon Petroleum Corp reported that the over-pressurization of an unspecified unit led to a benzene release through the lube flare, according to a filing with the National Response Center.

Reuters, 11:01 February 22, 2016

Shell Reports Vapor Release at Its 316,600 b/d Deer Park, Texas Refinery February 22

Royal Dutch Shell reported a vapor release from an unspecified refinery unit, according to a community information line.

Reuters, 4:29 February 22, 2016

Total Reports Unit Shutdown after Power Loss at Its 225,500 b/d Port Arthur, Texas Refinery February 19

Total SA reported that production rates were significantly reduced at unit 881 at its refinery in Port Arthur, Texas following a shutdown due to a sudden loss of power to the unit on Friday, according to a filing with the Texas Commission on Environmental Quality. Personnel identified the sulfur recovery unit (SRU) as the source of emissions and worked to restore electrical power to the unit, the filing said.

Reuters, 18:18 February 19, 2016

Alon Reports Emissions at Its 70,000 b/d Big Spring, Texas Refinery February 19

Alon USA Energy reported emissions from flaring and other unknown sources, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 18:22 February 19, 2016

Shell Responds to Fire at Its 156,400 b/d Martinez, California Refinery February 19

Royal Dutch Shell said the fire response unit at its Martinez, California refinery responded to a duct fire inside the Criterion Catalyst plant on Friday. The company said the fire had already been put out by the time local fire personnel arrived.

Reuters, 20:47 February 21, 2016

Natural Gas

Enbridge Reports SRU Failure at Its Pittsburg Gas Plant in Texas February 18

Enbridge reported its Pittsburg plant experienced a utility power failure, which resulted in sulfur recovery unit (SRU) and the Shell Claus Off-gas Treatment (SCOT) plant shutdowns. The equipment was being brought back online and into compliance. In order to mitigate emissions during the event, the thermal oxidizer was utilized.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=228011>

Other News

Nothing to report.

Update: Iraq-Turkey's 600,000 b/d Kirkuk-Ceyhan Sabotaged Oil Pipeline to Be Repaired This Week – Source

A pipeline sabotaged in Turkey last Tuesday, which had halted oil flows from northern Iraq to a Turkish port, was expected to be repaired this week, an industry source said on Saturday. The pipeline, which carries crude to the Ceyhan port from fields in Iraq's Kurdish region and Kirkuk was sabotaged in the Urfa area of Turkey and oil flows were halted for a fifth day on Saturday, officials and industry sources said. An official from Iraq's state-run North Oil Company (NOC) said the halt in exports had forced them to cut production to around 120,000 b/d from 200,000 b/d before the suspension. The NOC is now pumping around 30,000 b/d of oil to the small refinery of Kirkuk and diverting around 70,000 b/d to storage depots near the city.

Reuters, 11:13 February 20, 2016

Shell Declares Force Majeure on Exports of Nigeria's Forcados Crude Oil February 21

Shell has declared force majeure on exports of Nigeria's Forcados crude oil one week after a pipeline leak forced it to halt loadings to the export platform, according to the company. A total of eight cargoes averaging at 249,000 b/d were scheduled to be exported from the Forcados stream in February, but traders added that loading delays had already surpassed two weeks.

Reuters, 11:20 February 22, 2016

Energy Prices

U.S. Oil and Gas Prices February 22, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	31.32	29.27	50.48
NATURAL GAS Henry Hub \$/Million Btu	1.81	2.12	2.97

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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