



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

ENERGY ASSURANCE DAILY

Monday Evening, July 13, 2015

Electricity

Thunderstorms Knock Out Power to Over 279,000 Customers in Midwest July 12–13

Severe thunderstorms with heavy rain and frequent cloud-to-ground lightning knocked out power to 279,944 customers in Wisconsin, Minnesota, Michigan, Indiana, Illinois, Kentucky, and Ohio Sunday night into Monday. Strong winds, with gusts up to 81 mph, downed trees and power lines. On Monday afternoon, the storm was moving East through Ohio and Kentucky. As of 4 p.m. EDT, 159,539 customers remained without power. Xcel Energy, one of the hardest hit utilities with 60,000 customer outages, said it expected to have 99 percent of affected customers restored by 11 p.m. CDT tonight. Indianapolis Power & Light Company, which reported 35,000 customer outages, said its crews were working around the clock to restore power as quickly as possible.

| Midwest Customer Power Outages | | | |
|--------------------------------|-------|----------------|-----------------|
| July 12–13, 2015 | | | |
| Electric Utility | State | Peak | Latest Reported |
| ComEd | IL | 5,000 | 282 |
| Indianapolis Power and Light | IN | 35,000 | 34,197 |
| Indiana Michigan Power | IN/MI | 5,711 | 3,532 |
| Duke Energy | IN | 18,114 | 16,736 |
| LG&E and KU | KY | 14,635 | 14,635 |
| Minnesota Power | MN | 6,322 | 6,322 |
| Xcel Energy | MN | 60,000 | 1,838 |
| Duke Energy | OH/KY | 68,757 | 67,599 |
| Ohio Edison | OH | 1,705 | 1,516 |
| Dayton Power and Light | OH | 4,500 | 3,573 |
| WE Energies | WI | 44,000 | 6,325 |
| Alliant Energy | WI | 13,000 | 1,568 |
| Wisconsin Public Service | WI | 3,200 | 1,416 |
| TOTAL* | | 279,944 | 159,539 |

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

Sources:

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

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

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

<https://twitter.com/IPLPower>

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

<https://www.facebook.com/XcelEnergyMN>

<http://www.outagemap-xcelenergy.com/outagemap/>

<http://www.mnpower.com/OutageCenter/OutageMap>

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

<http://www.dpandl.com/customer-service/outage-center/outage-map/>

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

https://twitter.com/we_energies

<http://www.we-energies.com/outagemapext/>

<https://twitter.com/AlliantEnergyWI>

<http://www.alliantenergy.com/CustomService/StormandOutageCenter/OutageSummary/index.htm>

<http://www.wisconsinpublicservice.com/outagesummary/view/outagegrid.aspx>

<http://www.wrex.com/story/29532626/2015/07/13/multiple-power-outages-across-the-state>

<http://www.whio.com/news/news/local/power-out-after-strong-line-of-storms/nmx6H/>

Update: Entergy's 979 MW Indian Point Nuclear Unit 3 in New York at Full Power by July 12

On the morning of July 11 the unit was operating at 78 percent after restarting and ramping up to 56 percent by July 9. The unit returned to service July 9 after control room operators safely and manually shut down the reactor on Wednesday. Operators observed fluctuating water levels inside a steam generator, and later determined that one of the unit's three condensate pumps automatically shut down while the reactor was operating at full power.

Condensate pumps feed water into the plant's steam generators; the loss of pumping pressure led to fluctuating water levels inside the steam generator, which alerted control room operators.

<http://www.energynewsroom.com/latest-news/indian-pointnuclear-power-plant-returns-service/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

Dominion's 810 MW Surry Nuclear Unit 1 in Virginia Shut by July 11

On the morning of July 10 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

Entergy's 966 MW River Bend Nuclear Unit 1 in Louisiana Reduced to 63 Percent by July 13

On the morning of July 12 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

AES's 175 MW Alamos Gas-fired Unit 2 in California Shut by July 10

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201507101515.html>

AES's 332 MW Alamos Gas-fired Unit 3 in California Shut by July 12

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201507121515.html>

AES's 336 MW Alamos Gas-fired Unit 4 in California Shut by July 12

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201507121515.html>

AES's 498 MW Alamos Gas-fired Unit 5 in California Shut by July 12

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201507121515.html>

AES's 495 MW Alamos Gas-fired Unit 6 in California Shut by July 12

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201507121515.html>

Mirant's 317 MW Pittsburg Gas-fired Unit 6 in California Reduced by July 12

The unit entered an unplanned curtailment of 177 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201507121515.html>

Panoche Energy Center's 400 MW Gas-fired Unit in California Reduced by July 12

The unit entered an unplanned curtailment of 105 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201507121515.html>

Update: PG&E's 102 MW Electra Hydro Unit 1 and 2 in California Return to Service by July 11

The units returned from an unplanned outage that began on July 10.

<http://content.caiso.com/unitstatus/data/unitstatus201507111515.html>

Update: Solar Partners II's 123 MW Ivanpah Solar Unit 1 in California Returns to Service by July 11

The unit returned from an unplanned outage that began on July 10.

<http://content.caiso.com/unitstatus/data/unitstatus201507111515.html>

Update: RRI Energy's 741 MW Ormond Beach Gas-fired Unit 1 in California Returns to Service by July 11

The unit returned from an unplanned outage that began on July 7.

<http://content.aiso.com/unitstatus/data/unitstatus201507111515.html>

Minnesota Power Retires 75 MW Coal-Fired Unit at Its Taconite Harbor Energy Center May 2015; Will Retire Remaining Units by 2020

Minnesota Power, a division of ALLETE, Inc. announced on Thursday the retirement of a 75 MW unit at its coal-fired Taconite Harbor Energy Center in May as part of its EnergyForward plan. The plan, which was introduced in 2013, seeks to reduce carbon emissions, increase the use of renewable resources, and add natural gas to meet customer electric service needs over the next 15 years and beyond. The remaining two 75 MW units at Taconite Harbor will be idled in 2016 and fully retired in 2020. Earlier this year, Minnesota Power converted the 110 MW coal-fired Laskin Energy Center in Hoyt Lakes, Minnesota to burn natural gas. The EnergyForward plan also calls for emissions control upgrades at Minnesota Power's coal-fired Boswell Energy Center in Cohasset, Minnesota. Boswell's 355 MW unit 3 and 585 MW unit 4 will be upgraded to achieve a 90 percent reduction of particulates and sulfur dioxide.

http://www.mnpower.com/Content/Documents/Company/PressReleases/2015/20150709_NewsRelease.pdf

http://www.mnpower.com/Content/Documents/Environment/EF_Fact_Sheet.pdf

Petroleum

Plains All American Reports 100 Barrel Crude Oil Leak at Pumping Station in Illinois July 10

Plains All American Pipeline said it experienced a crude oil leak at its Pocahontas pumping station near the border of Bond and Madison Counties in Illinois. Initial estimates indicate about 100 barrels of crude were released, the company said adding that the flow of oil was stopped, but some reached a nearby creek. The release originated from a small-diameter pipeline fitting within the station, the company said. Work crews were on site and have deployed containment booms in nearby waterways, it added. The pumping station is part of the 277,000 b/d Capwood pipeline, a 57-mile crude pipeline that runs from Patoka, Illinois, to Wood River, Illinois. Plains also operates 6 million barrels of crude oil storage in Patoka.

Reuters, 18:56 July 10, 2015

Irving Restarts FCCU at Its 313,000 b/d St. John, New Brunswick Refinery July 13 – IIR Energy

Irving Oil has restarted a 74,000 b/d fluid catalytic cracking unit (FCCU) at its refinery in St. John, New Brunswick following a one-day outage, IIR Energy reported Monday. The unplanned outage began on Sunday, and the unit was restarted by early Monday morning, IIR Energy reported.

Reuters, 11:37 July 13, 2015

PES Extinguishes Fire at Its 335,000 b/d Philadelphia, Pennsylvania Refinery July 13

Philadelphia Energy Solutions (PES) reported a fire at 8:20 a.m. EDT Monday at its Philadelphia refinery. The company said the fire was extinguished at approximately 8:20 a.m. EDT. The cause of the incident is under investigation.

Reuters, 10:57 July 13, 2015

SRU Operating Normally July 13 after Upset at Total's 225,000 b/d Port Arthur, Texas Refinery July 11 – Sources

A sulfur recovery unit (SRU) was back to normal operations after tripping out of production on Saturday at Total's Port Arthur, Texas, refinery, sources familiar with plant operations said on Monday. Production was reduced at the refinery due to the malfunctioning of the SRU. Total reported the malfunction in a notice filed with the Texas Commission on Environmental Quality.

Reuters, 10:44 July 13, 2015

Phillips 66 Reports Emissions, FCCU Start-up at Its 146,000 b/d Borger, Texas Refinery July 11

Phillips 66 reported emissions due to startup of fluid catalytic cracking units (FCCU) 29 and 40 at its Borger, Texas, refinery, on Saturday, according to a filing with the Texas Commission on Environmental Quality. The filing said the units were scheduled to start up in the next couple of days.

Reuters, 21:39 July 12, 2015

Valero Reports Equipment Malfunction, Small Crude Oil Release at Its 145,000 b/d Benicia, California Refinery July 12

Valero Energy Corp reported an equipment malfunction and release of five barrels of crude oil at its Benicia, California refinery, according to a filing with the California Emergency Management Agency.

Reuters, 22:51 July 12, 2015

Valero Says Small Fire Extinguished in Sulfur Storage Area at Its 85,000 b/d Wilmington, California Refinery July 11

Valero Energy Corp said a small fire was extinguished in a sulfur storage area at its Wilmington, California, refinery Saturday. The fire was quickly extinguished and there were no injuries or offsite environmental impacts, a company spokesman said.

Reuters, 9:10 July 13, 2015

Natural Gas

Southern Union Reports Loss of Amine Circulation Pumps at Its 140 MMcf/d Keystone Gas Plant in Texas July 9

Southern Union reported the plant went sour due to losing the amine circulating pumps. Mechanics replaced the piston and repaired the power panel.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=217052>

Other News

Nothing to report.

International News

Saudi Arabia Opens Oil Taps, Ups June Output to Record High

Saudi Arabia ramped up its crude oil production to a record high in June, reaffirming its strategy of defending market share and feeding a rise in global as well as domestic demand. Saudi Arabia said it pumped 10.56 million b/d of oil last month, up 231,000 b/d from May, according to official figures released by OPEC on Monday. Saudi Arabia has been increasing its production steadily in the past few months. The June data eclipsed recent peaks, according to records going back to the early 1980s. The output boost highlighted Saudi Arabia's determination to defend market share against higher-cost producers, such as U.S. shale drillers, and other competing supply sources. Poorer members of the Organization of the Petroleum Exporting Countries (OPEC) have called for production cuts to shore up oil prices, which are down about 50 percent since June 2014. The rise in production also underlines strong growth in global demand and an increase in crude supplies to local refineries and power plants during summer, when air-conditioning usage soars and as the kingdom ships more oil products.

Reuters, 10:38 July 13, 2015

Iraq Cuts Basra Crude Oil Exports in August vs. July – Trade Sources

Iraq plans to export less Basra crude oil in August compared with July in order to cut the waiting time for ships loading at its southern terminals, trade sources said on Monday. Iraq allocated 2.52 million b/d of Basra crude oil for export in August, down from 2.95 million b/d in the previous month, traders said, citing a preliminary loading program from the State Oil Marketing Organization (SOMO). Only two cargoes of Basra Light were allocated in the first eight days of August, they said. Supply of Basra Heavy, a new crude stream, was cut to about 600,000 b/d in August from 650,000 b/d in July, according to traders. There is often a backlog of tankers waiting to load crude at Iraq's southern terminals due to infrastructure constraints. Iraq's southern crude exports hit the highest in decades in June at an average of 3.02 million b/d after SOMO split the crude stream into two grades, Basra Light and Basra Heavy, to resolve quality issues.

Reuters, 4:18 July 13, 2015

Tankers to Lift 1.75 Million Barrels of Crude Oil from Hariga, Brega Ports in Libya – Oil Officials

Two tankers have arrived at the eastern Libyan port of Hariga to lift 1.15 million barrels of crude oil, an oil official said on Sunday. Another tanker was expected to lift 600,000 barrels of oil from the eastern Brega port, another official said. No liftings were expected in the next days at the Zueitina port, also located in the east, due to an ongoing pipeline blockage by locals demanding state jobs. Force majeure would remain in place for the eastern Es Sider and Ras Lanuf ports, the chairman of the state oil firm National Oil Corporation (NOC) said.

Reuters, 11:02 July 12, 2015

Update: Eni Says Thieves Caused Nigeria Pipeline Fire

A fire that broke out on Eni's pipeline in Nigeria on Thursday was caused by oil thieves, the company said on Saturday, as the death toll of the accident rose to 13 people. Last week Eni said an explosion at the pipeline killed at least 12 people, part of a maintenance crew carrying out repairs on the Tebidaba-Clough Creek pipeline in the Niger delta's Bayelsa state. Eni said it would continue to work with local authorities to reconstruct the dynamics of the accident and the related responsibilities.

Reuters, 15:48 July 11, 2015

Energy Prices

| U.S. Oil and Gas Prices | | | |
|--|--------------|-----------------|-----------------|
| July 13, 2015 | | | |
| | Today | Week Ago | Year Ago |
| CRUDE OIL West Texas Intermediate U.S. \$/Barrel | 52.29 | 54.08 | 101.48 |
| NATURAL GAS Henry Hub \$/Million Btu | 2.75 | 2.79 | 4.11 |

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.

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