



ENERGY ASSURANCE DAILY

Monday Evening, August 22, 2016

Electricity

Storms Knock Out Power to Nearly 45,000 Consumers Energy Customers in Michigan August 20

Strong storms, producing at least one tornado with 90 mph winds, knocked out power to nearly 45,000 Consumers Energy customers across Michigan on Saturday afternoon. The utility reported extensive damage to trees, utility poles, and power lines with more than 400 downed wires. The majority of customers had power restored by midnight Sunday and the hardest hit areas were restored by Monday morning.

<https://www.consumersenergy.com/outagemap>

<https://twitter.com/consumersenergy>

<http://wgvnnews.org/post/thousands-outages-remain-after-saturday-storms-wyoming-among-hardest-hit>

<http://www.detroitnews.com/story/news/local/michigan/2016/08/21/without-power-michigan-storm/89073400/>

http://www.mlive.com/news/grand-rapids/index.ssf/2016/08/nearly_25000_without_power_in.html

National Grid Reports 22,000 Customers without Power Due to Downed High Voltage Line in New York August 20

National Grid on Saturday reported about 22,000 customers lost power in the Amherst, North Tonawanda, and Pendleton areas due to a downed high voltage line that serves four substations. After an initial investigation, officials found that a couple sections of the line were on the ground, possibly caused by an animal or tree branch. Power was restored to all customers just after 5 p.m. EDT Saturday.

<https://www.nationalgridus.com/Upstate-NY-Home/Storms-Outages/Outage-Map>

<http://www.wgrz.com/news/local/22000-without-power-after-nat-grid-outage/303555577>

Entergy's 813 MW FitzPatrick Nuclear Unit in New York Reduced to 44 Percent by August 22

On the morning of August 21 the unit was operating at 91 percent.

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

Entergy's 653 MW Pilgrim Nuclear Unit 1 in Massachusetts Shut by August 22

The unit was shut from 75 percent to repair a valve malfunction.

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

<http://www.capecod.com/newscenter/safety-valve-malfunction-forces-temporary-pilgrim-shutdown/>

Exelon's 855 MW Quad Cities Nuclear Unit 2 in Illinois Reduced to 86 Percent by August 22

On the morning of August 21 the unit was operating at full power.

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

Energy Northwest's 1,107 MW Columbia Generating Station Nuclear Unit in Washington Reduced to 85 Percent by August 22

On the morning of August 21 the unit was operating at full power.

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

Cabrillo Power's 110 MW Encina Gas-fired Unit 3 in California Returns to Service by August 20

The unit returned from an unplanned outage that began by August 18.

<http://content.caiso.com/unitstatus/data/unitstatus201608201515.html>

SCE's 820 MW Big Creek Hydro Unit in California Reduced by August 20

The unit entered an unplanned curtailment of 390 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201608201515.html>

Crockett's 240 MW Gas-fired Unit in California Shut by August 20

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201608201515.html>

RRI Energy's 215 MW Mandalay Gas-fired Unit 1 in California Shut by August 20

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201608201515.html>

RRI Energy's 215 MW Mandalay Gas-fired Unit 2 in California Shut by August 20

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201608201515.html>

RRI Energy's 775 MW Ormond Beach Gas-fired Unit 2 in California Shut by August 20

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201608201515.html>

AES's 496 MW Redondo Gas-fired Unit 8 in California Shut by August 20

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201608201515.html>

Update: City of Vernon's 134 MW Malburg Gas-fired Unit in California Returns to Service by August 19

The unit returned from an unplanned outage that began on August 18.

<http://content.aiso.com/unitstatus/data/unitstatus201608191515.html>

Petroleum

Update: BP's 413,500 b/d Whiting, Indiana Refinery Returns to Normal Operations August 22 – Sources

BP Plc's Whiting, Indiana refinery returned to normal production by Monday morning for the first time since late July, sources familiar with plant operations said. The refinery has been running at reduced production levels since the weekend of July 30–31, when a malfunctioning wastewater plant forced BP to cut production to prevent releasing sediment beyond permitted levels into Lake Michigan.

Reuters, 10:47 August 22, 2016

Motiva Completes Partial Restart of Hydrocracker at Its 237,700 b/d Norco, Louisiana Refinery August 22 – Sources

Motiva Enterprises' Norco, Louisiana refinery partially completed the restart of its hydrocracking unit on Monday, said sources familiar with plant operations. The 40,000 b/d hydrocracker fell out of production on Friday night, the sources said. Motiva began restarting the HCU on Saturday.

Reuters, 12:56 August 22, 2016

Update: Motiva Plans Partial Restart of HCU at Its 235,000 b/d Convent, Louisiana Refinery by Year End – Sources

Motiva Enterprises' Convent, Louisiana refinery plans a partial restart of the 45,000 b/d heavy oil hydrocracking unit (HCU) by year-end, but full production is not expected back before fall 2017 as repairs are made from an August 11 fire, said Gulf Coast market sources on Monday. On the day of the fire, Motiva initially estimated the unit would be shut one to four months for repairs, sources told Reuters. In addition to extensive repairs required to return the HCU to production, Motiva will revamp the HCU during the shutdown for the planned linking of the Convent refinery with its Norco, Louisiana refinery in 2017, the sources said. Earlier this year, Motiva decided to keep the Convent FCCU in operation to at least June 2017, the earliest period when the combination is expected to be complete with construction of a 37-mile pipeline between the two refineries.

Reuters, 13:56 August 22, 2016

Calumet Reports Brief Fire at Its 8,300 b/d Princeton, Louisiana Refinery August 20

Calumet Specialty Products Partners reported a fire broke out on Saturday at its refinery in Princeton, Louisiana while the company was performing a planned maintenance project. The localized fire, which is believed to have originated from a ruptured pipe, was extinguished shortly thereafter with the assistance of local first responders, according to the vice president for investor relations and external communications.
Reuters, 20:59 August 20, 2016

Total Reports Unit 871 Shut Due to Sulphur Pit Fire at Its 225,500 b/d Port Arthur, Texas Refinery August 21; Unit 836 Shut Due to Leak

Total SA reported the shutdown of unit 871 following a fire at a sulfur pit at its Port Arthur, Texas refinery on Sunday, according to a filing with the Texas Commission on Environmental Quality (TCEQ). The fire was later extinguished. Total on Monday reported unit 836 was brought back online, following an unexpected shutdown due to a pinhole leak, but the unit tripped due to a faulty level transmitter, according to a filing with TCEQ. Unit 836 will remain down until a full unit inspection is complete, according to Total.
Reuters, 14:30 August 22, 2016
Reuters, 8:21 August 22, 2016

Update: FCCU at LyondellBasell's 263,776 b/d Houston, Texas Refinery Operating at 50 Percent August 22 – Sources

The fluidic catalytic cracking unit (FCCU) at LyondellBasell Industries' Houston, Texas refinery was operating at about 50 percent of capacity after restarting on Sunday, said Gulf Coast market sources. The 90,000 b/d FCCU will require repairs before it can run at full capacity, the two sources said. The FCCU was shut when the refinery lost power and steam supply on Thursday afternoon. The refinery's crude oil intake was above 60 percent of capacity, the sources said. In addition to the FCCU, a 42,000 b/d coking unit was shut before the loss of power and steam on Thursday to replace piping on the unit that may be more susceptible to corrosion. Lyondell began restarting the FCCU on Thursday evening, but had to halt the restart on Friday due to repairs needed to electrical and instrumentation systems, the sources said. The restart resumed on Saturday.
Reuters, 12:13 August 22, 2016

ExxonMobil Says No Output Impact from RHC Unit Shutdown at Its 560,500 b/d Baytown, Texas Refinery August 20

ExxonMobil Corp said there was no impact to production from an unanticipated shutdown of a raffinate hydroconversion (RHC) unit on Saturday at its Baytown, Texas, refinery. A filing with the state pollution regulator over the weekend did not specify whether the unit had been restarted.
Reuters, 22:59 August 21, 2016

Marathon's 459,000 b/d Galveston Bay, Texas Refinery HCU Shut by Steam Loss August 21 – Sources

The hydrocracking unit at Marathon Petroleum Corp's Galveston Bay, Texas refinery was shut on Sunday after the steam supply was temporarily lost at the refinery, said sources familiar with plant operations. Marathon was able to restore the steam supply within about 45 minutes of its outage early on Sunday morning but the 60,000 b/d hydrocracker was shut down. All other units were brought back to stable operations by mid-afternoon on Sunday, the two sources said. According to a notice with the Texas Commission on Environmental Quality, an estimated 1,749 pounds of pentane, 435 pounds of propane, 277 pounds of isobutane, 164 pounds of butane among other substances were released, including 1.1 pounds of hydrogen sulfide in the leak on Friday. Separately, only a portion of the coking complex, which houses two 13,500 b/d coking units, has restarted from a planned overhaul that began in early July. A small, brief fire broke out on a coking unit during the restart on August 16, the sources said.
Reuters, 23:33 August 21, 2016

Phillips 66 Reports Emissions at Its 146,000 b/d Borger, Texas Refinery August 19

Phillips 66 reports emissions from an air flow transmitter at its Borger, Texas refinery on Friday. The event was ongoing, according to Phillips 66.
Reuters, 17:53 August 19, 2016

U.S. Gasoline Use Reaches Record in July as Pump Price Falls – API

U.S. demand for gasoline rose 2.4 percent from 2015 to 9.67 million b/d, the American Petroleum Institute (API) said August 18 in a monthly report. Total fuel deliveries climbed 0.8 percent to the highest July total since 2007. Gasoline output averaged a record 10.2 million b/d in July, up 1.9 percent from a year earlier, the API said.
http://www.downstreamtoday.com/news/article.aspx?a_id=53214

Natural Gas

Update: Algonquin Gas Pipe Line Lifts Force Majeure Its Southeast Compressor Station in New York August 20

Algonquin Gas Transmission (AGT) on Saturday lifted the force majeure issued on August 14 due to an unplanned outage at its Southeast Compressor Station in Putnam County, New York.

<https://infopost.spectraenergy.com/infopost/AGHome.asp?pipe=AG&mode=1>

Enbridge Reports AGI Fault at Its 150 MMcf/d Tilden Gas Plant in Texas August 21

Enbridge reported the chiller system experienced repetitive faults causing elevated temperatures to injection pumps to the well. This caused the acid gas injector (AGI) compressor 3 to fault on high discharge pressure because injection pumps were unable to keep prime. All gas was routed to the flare to curtail emissions, and flow and process were adjusted to minimize downtime.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=241970>

Other News

Union Pacific Reports Coal Train Derailment in Texas August 21; Track Repairs Underway

Union Pacific said on Sunday evening 26 cars derailed off the end of a southbound train in Roanoke, Texas and five cars fell into a creek below a bridge. Crews worked through the night to clear the derailed cars and as of 6 a.m. CDT Monday, 13 of the 26 cars had been cleared. Additionally, track repairs have begun to the approximately 1600 feet of rail that was damaged. Extensive damage to the train bridge will require multiple days to repair, according to Union Pacific. The train was not carrying any hazardous material and no injuries were reported, according to a company spokesman. Union Pacific said it was investigating the cause of the derailment.

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

<http://www.foxnews.com/us/2016/08/22/no-injuries-after-train-carrying-coal-derails-in-texas.html>

Canadian Pacific Train Derails, Leaks Diesel in Ontario August 21

A Canadian Pacific Railway train derailed in Toronto, Ontario on Sunday morning, causing about 317 gallons of diesel to leak near a residential area, the Transport Minister said. The incident began with a westbound train striking an eastbound one that was changing tracks, the Transportation Safety Board of Canada spokesman said. He said both trains derailed, with the westbound one, comprising two locomotives, leaking diesel. The eastbound train carried “small quantities” of dangerous goods in one of its last cars, but there was no leakage. It was not immediately clear when the track will reopen. A Canadian Pacific spokesman confirmed the car contained dangerous goods, but said there were no public safety concerns. The incident was a result of human error, so there were no track issues, no signaling issues, no mechanical issues, the Canadian Pacific spokesman said.

Reuters, 19:51 August 21, 2016

West Virginia DEP Permanently Halts Coal Mine near Kanawha State Forest

The West Virginia Department of Environmental Protection (DEP) last month ordered Keystone Industries LLC to permanently halt Kanawha County mining operations near Kanawha State Forest. The mine was within 588 feet of Kanawha State Forest and 1,500 feet of homes in Loudendale, and its permit allowed explosive blasting, the Kanawha Forest Coalition said. Under the order, Keystone must backfill and regrade the permitted area within nine months.

Reuters, 13:01 August 22, 2016

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
August 22, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	46.75	45.67	40.40
NATURAL GAS Henry Hub \$/Million Btu	2.64	2.70	2.71

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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