



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

ENERGY ASSURANCE DAILY

Monday Evening, November 18, 2013

Major Developments

Powerful Storms, Tornadoes Kill Eight, Leave Hundreds of Thousands Without Power in Midwest November 17

Powerful storms and tornadoes hit several states including Missouri, Indiana, Michigan and Wisconsin, on Sunday causing severe damage and leaving over 1.1 million customers without power. A National Weather Service survey team confirmed a tornado touched down in Illinois with winds of 170–190 mph, producing EF-4 damage, the agency said. Illinois' Governor declared seven counties a state disaster area and the mayor of Kokomo, Indiana, declared a state of emergency.

<http://www.reuters.com/article/2013/11/18/us-usa-weather-idUSBRE9AG0BS20131118>

<http://www.weather.com/news/tornado-central/state-state-look-midwest-tornado-outbreak-20131118>

http://www.cnn.com/2013/11/18/us/midwest-tornadoes/index.html?hpt=us_c2

Illinois, Indiana, Michigan, Missouri, New York, Ohio, and Wisconsin Customer Power Outages			
November 17-18			
Electric Utility	State	Peak	Latest Reported
Ameren	IL	152,000	27,057
ComEd	IL	200,000	18,000
Duke Energy Indiana	IN	70,000	24,796
Indiana Power & Light Co.	IN	unknown	3,632
Northern Indiana Public Service Co.	IN	75,000	7,888
Consumers Energy	MI	270,000	213,000
Detroit Edison	MI	275,000	275,000
Great Lakes Coop	MI	10,000	2,008
Indiana Michigan Power	MI	70,000	53,500
AmerenUE	MO	34,486	5,390
NY State Electric & Gas Corp.	NY	unknown	1,415
AEP Ohio	OH	30,000	7,800
Wisconsin Public Service	WI	8,000	1,290
TOTAL *		1,194,486	640,776

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

Sources:

<https://www2.ameren.com/outage/outagemap.aspx?state=IL>

<http://twitter.com/illinoisoutage>

https://www.comed.com/_layouts/comedsp/OutageMap.aspx

<https://www.comed.com/customer-service/outage-information/Pages/storm-center.aspx>

<http://www.duke-energy.com/indiana/outages/current.asp#>

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

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

<http://www.nipsco.com/en/stormcenter>

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

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

<http://www.dteenergy.com/residentialCustomers/problemsSafety/outageCenter/>

<http://www.gtlakes.com/storm-central/>

<https://twitter.com/GLECooperative>

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

<https://www2.ameren.com/Outage/OutageTrend.aspx?state=MO>
<https://twitter.com/AmerenCorp>
<http://www.nyseg.com/Outages/outageinformation.html>
<https://www.aepohio.com/outages/>
<http://twitter.com/aepohio>
<http://www.wisconsinpublicservice.com/outagesummary/view/outagegrid.aspx>
<http://twitter.com/WPSstorm>

Electricity

Update: AES's 506 MW Redondo Gas-fired Unit in California Returns to Service by November 15

The unit returned from a planned curtailment of 206 MW that began November 12.

<http://content.aiso.com/unitstatus/data/unitstatus201311151515.html>

CIPCO Announces Retirement of Its 66 MW Coal-fired Fair Station Power Plant in Iowa November 15

Central Iowa Power Cooperative (CIPCO) on November 15 announced the retirement of its coal-fired Fair Station power plant in Muscatine County, Iowa. Final closure of the plant was approved by the Mid-Continent Independent Transmission System Operator. Three factors led to the decision to close the plant: a series of new federal environmental regulations, current energy market prices, and overall efficiency of the power plant. Fair Station had not been running at full capacity in recent years and ceased burning November 2, 2013 upon depletion of the coal supply on site.

<http://www.cipco.net/news.cfm?action=article&page=0&id=35ce3bd5-2398-4c72-bbac-0d1d76d41394>

Exelon's 619 MW Oyster Creek Nuclear Unit in New Jersey Shuts November 17

On Sunday afternoon the unit reported the secondary containment integrity was momentarily declared inoperable according to the Nuclear Regulatory Commission. On Sunday morning the unit was operating at 45 percent from full power on November 16.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131118en.html>

Update: Duke Energy's 1,100 MW McGuire Nuclear Unit 1 in North Carolina Ramps Up to 90 Percent by November 18

On the morning of November 17 the unit was operating at 54 percent from 3 percent on November 16, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Update: FPL's 839 MW Saint Lucie Nuclear Unit 2 in Florida Restarts by November 17, Ramps Up to Full Power by November 18

On the morning of November 17 the unit had restarted and was operating at 45 percent, according to the Nuclear Regulatory Commission. On November 14, the unit shut after it manually tripped due to a lowering 2B steam generator level caused by the spurious closer of a 2B main feedwater isolation valve.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

STP's 1,251 MW South Texas Nuclear Unit 2 in Texas Shut by November 17

On the morning of November 16 the unit was operating at full power, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Bakken Crude Oil Production to Top 1 MMb/d by December – EIA

The U.S. Energy Information Administration (EIA) estimates that total Bakken crude oil well output will pass the one million barrel of oil per day (MMb/d) mark in December. Bakken oil production is expected to rise by 26,000 b/d from 976,000 b/d this month to just over 1 MMb/d in December, EIA reported Friday. The estimate comes from EIA's November 2013 Drilling Productivity Report. EIA also forecasts Bakken natural gas production to grow by 27 MMcf/d from 1.081 Bcf/d in November to 1.108 Bcf/d in December.

http://www.rigzone.com/news/oil_gas/a/130158/Bakken_Crude_Production_to_Top_1_Million_Barrels_by_Dec
<http://www.eia.gov/petroleum/drilling/>

Update: Alabama Railway Line Reopened November 17 After Derailment – Genesee & Wyoming

An Alabama railway line has reopened 10 days after the derailment of a train hauling North Dakota crude oil, operator Genesee & Wyoming Inc. said. Twenty-five of the train's 90 cars derailed on November 8. The train had been heading to a rail offloading facility in Walnut Hill, Florida, run by Genesis Energy LP. Removal of damaged railcars, site environmental remediation, and the comprehensive investigation to determine what caused the derailment are ongoing.

http://www.gwrr.com/about_us/Aliceville

Update: Three Affiliated Tribes Begin First Phase of 20,000 b/d Thunder Butte Petroleum Services Refinery in Makoti, North Dakota

The Three Affiliated Tribes began construction of a transload facility last week, the first phase of its Thunder Butte Petroleum Services, Inc. refinery, in Makoti, North Dakota. The facility will include a truck off-loading station, rail car-loading station, temporary administration office space, roads, water and sewer systems, and other infrastructure. It is scheduled to be completed by January or February 2014, with the entire project taking 18 months to two years. When completed, the refinery will produce diesel fuel, propane, and naphtha from Bakken crude oil.

<http://www.minotdailynews.com/page/content.detail/id/589746/Work-starts-at-refinery-site.html?nav=5010>

Update: Chevron Says Its 330,000 b/d Pascagoula, Mississippi Refinery is Operating at Normal Capacity November 18, Following Fire

Chevron Corp. said its Pascagoula, Mississippi refinery is operating at normal capacity on Monday, following a fire last Friday in a cracking unit, which killed one. The affected area has been secured and the investigation is continuing, according to the company.

Reuters, 11:41 November 18, 2013

Valero Reports Leak at Its 200,000 b/d Corpus Christi, Texas Refinery November 15

According to a report filed with the Texas Commission on Environmental Quality, there was a leak to soil at Valero Energy Corp.'s Corpus Christi, Texas refinery Friday, due to an unknown source. Approximately 30 pounds of benzene was released into the soil, and the company is currently investigating.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=190840>

Flint Hills Reports Unplanned Power Outage at Its 288,468 b/d Refinery in Corpus Christi, Texas November 16

Flint Hill Resources reported that on Saturday flaring occurred at its Corpus Christi, Texas, refinery due to an unplanned power outage. According to a filing with the Texas Commission on Environmental Quality, the company is investigating the power outage and has taken measures to ensure process units remain in a safe state.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=190870>

Valero Reports Emissions at Its 93,000 b/d Three Rivers, Texas Refinery November 16

Valero Energy Corp. reported emissions at its Three Rivers refinery in Texas Saturday, according to a filing with the Texas Commission on Environment Quality.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm>

Marathon Reports Sulfur Dioxide Release at Its 522,000 b/d Garyville, Louisiana Refinery November 14

Marathon reported a release of sulfur dioxide released from heater unit 15 due to high hydrogen sulfide in the fuel gas system.

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1065802

PBF Reports Small Diesel Release at Its 190,000 b/d Delaware City, Delaware Refinery November 15

PBF reported a release of less than a gallon of diesel into a cooling water channel that leads to the Delaware River causing a sheen, according to a filing with the National Response Center. The leak was caused by an equipment leak on a cooling water exchanger.

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1065896

Natural Gas

DOE Authorizes Additional Volume at Proposed Freeport Facility to Export 1.8 Bcf/d LNG November 15

The Department of Energy (DOE) said on Friday it had conditionally authorized Freeport LNG Expansion, L.P. and FLNG Liquefaction, LLC to export additional volumes of domestically produced liquefied natural gas (LNG) to countries that do not have a Free Trade Agreement (FTA) with the United States from the Freeport LNG Terminal in Quintana Island, Texas. Freeport previously received approval to export 1.4 Bcf/d of LNG from this facility to non-FTA countries on May 17, 2013. Subject to environmental review and final regulatory approval, the facility is conditionally authorized to export an additional 0.4 Bcf/d, for a total rate of up to 1.8 Bcf/d, for a period of 20 years.

<http://energy.gov/articles/energy-department-authorizes-additional-volume-proposed-freeport-lng-facility-export>

Southern Union Reports Eclipse HMO Heaters in SRU Shut at Its Keystone Gas Plant in Texas November 17

Southern Union reported both eclipse heat medium oil (HMO) heaters in the sulfur recovery unit (SRU) went down on a false low oil flow shutdown. Technicians found electrical shorts which were repaired.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=190892>

California New Fracking Law Gives Groundwater Protection – Regulators

California regulators said on Friday an enhanced monitoring regime for oil and gas production that is part of the state's new fracking regulations would shore up groundwater protection, a top concern in the growing state.

The law introduces stringent regulations of hydraulic fracturing as well as of acid injection in anticipation of greater industry efforts to develop the state's Monterey shale. The law will require testing of groundwater around fracking sites starting on January 1, 2014. It also allows property owners in the vicinity of a fracking site to request to have their drinking water independently tested at the well operator's expense. California's Department of Conservation published on Friday proposed regulatory language to implement the new law. One of the measure's key provisions is mandatory monitoring of groundwater in oilfields, said the department's chief deputy director. Fracking is a particular concern in California, an arid state where a growing population and powerful agricultural industry make the politics surrounding water especially intense.

Reuters, 18:02 November 15, 2013

<http://www.conservation.ca.gov/index/news/Documents/2013-15%20proposed%20Well%20Stim%20regulations%20news%20release%20final.pdf>

Other News

Nothing to report.

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices November 18, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	92.88	94.43	86.53
NATURAL GAS Henry Hub \$/Million Btu	3.56	3.46	3.63

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.oel.netl.doe.gov/ead.aspx>

Please direct comments and questions to: ead@oe.netl.doe.gov