



ENERGY ASSURANCE DAILY

Monday Evening, May 20, 2013

Electricity

Tornadoes, Severe Thunderstorms Cut Power to Nearly 175,500 Utility Customers from Oklahoma to Illinois May 18–20

Tornadoes and severe thunderstorms swept across Oklahoma, Kansas, Iowa, Missouri, and Illinois over the weekend, bringing large hail, straight-line winds, and numerous tornadoes that uprooted trees, downed power lines, and cut power to 175,455 utility customers across the region. As of 4:00 p.m. EDT today, 22,477 customers remained without power. Kansas City Power & Light was hardest hit, with approximately 77,000 of its customers in Kansas and Missouri losing power at the peak of the storms Saturday night. The utility expected to restore the majority of its remaining affected customers by the end of the day today. The utility has nearly 570 personnel and contract crew members working on restoration.

http://www.kcpl.com/storm/storm_update.html

U.S. Midwest Customer Power Outages			
May 18–20			
Electric Utility	State	Peak	Latest Reported
Alliant Energy (IPL)	IA	40,000	4,781
MidAmerican Energy –Iowa	IA	10,500	20
Ameren – Illinois	IL	2,604	2,604
MidAmerican Energy – Illinois	IL	854	2
Westar Energy	KS	10,697	331
Kansas City Power & Light	KS/MO	77,000	8,263
Ameren – Missouri	MO	8,800	4,190
Oklahoma Gas & Electric	OK	25,000	2,286
TOTAL*		175,455	22,477

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

Sources:

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

<http://www.kcrg.com/news/local/Storms-Sweep-Through-Iowa-Reports-of-Two-Tornadoes-208087601.html>

<http://www.midamericanenergy.com/storm/OutageWatch/MECOutageWatch.aspx>

<http://www.desmoinesregister.com/article/20130519/NEWS/130519004/North-northeastern-Iowa-under-tornado-watch-severe-weather-possible-statewide>

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

http://www.stltoday.com/news/local/metro/storm-knocks-out-power-to-thousands-in-st-louis-county/article_8eb6c5ca-cfb0-59fe-8c74-10cbbfc5de4b.html

<https://www-11.westarenergy.com/outagemaps/outagetable.asp>

<http://cjonline.com/news/2013-05-19/tornadoes-thunderstorms-rip-through-midwest>

http://www.kcpl.com/storm/storm_update.html

http://www.kcpl.com/kcmaps/frameset_menus.htm

<http://www.kcur.org/post/thousands-without-power-after-windstorm-lashing>

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

http://www.stltoday.com/news/local/metro/storm-knocks-out-power-to-thousands-in-st-louis-county/article_8eb6c5ca-cfb0-59fe-8c74-10cbbfc5de4b.html

<http://public.oge.com/systemwatch/SystemWatch.swf?startMapID=1>

<http://www.news9.com/story/22293182/oge-crews-work-to-clear-pole-lines-pennsylvania-avenue-in>

Penelec to Reinforce 115-kV Transmission System in Northern Pennsylvania after Equipment Failures Cut Power to Thousands of Customers May 8 and May 14

Penelec reported that on May 8, a fault on customer-owned equipment caused the 115-kV transmission line between East Towanda and Farmers Valley, Pennsylvania to go out of service, resulting in an outage that impacted 16,474 Penelec customers, 2,823 West Penn Power customers, and Penelec Rural Electric Cooperatives (REC) delivery points. At the time of the fault, a back-up circuit was unavailable due to work already underway to accommodate system upgrades. On May 14, operators enacted an emergency forced outage due to a switch failure. The outage initially impacted 13,358 Penelec customers, 2,823 West Penn Power customers, and Penelec's REC delivery points. Subsequent emergency repairs required a forced outage impacting an additional 6,125 Penelec customers and additional Penelec REC delivery points. At the time of the forced outage, a back-up circuit was again unavailable due to work already underway. Penelec said a plan was in place to enhance service reliability and reinforce the utility's 115-kV transmission system in the region, including a new transmission substation east of Mansfield that is expected to come online in summer 2014, and upgrades to Penelec's Farmers Valley 115-kV substation, which are expected to come online in summer 2015. These enhancements are intended to provide voltage support and significantly reduce outages.

<http://thedailyreview.com/news/penelec-investigates-outages-1.1490620>

Update: PSE&G Responds to Regulator Questions about Its Proposed Modernization Plan in New Jersey

Public Service Electric & Gas (PSE&G) presented new details about its proposed \$3.9-billion "Energy Strong Program," which is intended to protect and strengthen its systems against increasingly frequent severe weather. In March, the New Jersey Board of Public Utilities (BPU) said it needed more information before it could decide whether to approve the proposal. PSE&G on May 1 filed a response to questions raised by the BPU, and estimated that the program would reduce storm-induced blackouts by 39 percent and help customers avoid the kinds of financial losses incurred after Superstorm Sandy, Hurricane Irene, and other recent severe weather events. In late April, PSE&G announced that 32 municipalities and Hudson County have approved resolutions supporting Energy Strong.

http://www.northjersey.com/news/207978481_PSEG_provides_more_detail_on_upgrade_plans.html?page=all

<http://www.pseg.com/info/media/newsreleases/2013/2013-04-25.jsp>

<http://www.njenergystrong.com/>

Westar Energy Plans Infrastructure Improvements in Kansas – CEO

Westar Energy is planning infrastructure improvements around Topeka, CEO Mark Ruelle said Thursday. The utility plans to replace four substations built in the 1950's and build one major substation in Topeka. Westar has asked the Kansas Corporation Commission to approve a \$31 million rate increase to help pay for the upgrades.

<http://www.wibw.com/home/headlines/Westar-Energy-Holds-Annual-Shareholders-Meeting-207788661.html>

Duke Energy Says Its Prepared for 2013 Hurricane Season after Strengthening Its System in Florida

As the start of the 2013 hurricane season on June 1 approaches, Duke Energy announced it is prepared for any severe weather that might threaten Florida this year. Last year, the utility invested \$179 million to strengthen its system against storms.

<http://www.duke-energy.com/news/releases/2013051701.asp>

Update: OPPD Hopes To Place Its 478 MW Fort Calhoun Nuclear Power Plant in Nebraska Back in Service by Late June

The Omaha Public Power District (OPPD) said it hopes to resume operations at its Fort Calhoun Nuclear Station by the end of June, but the U.S. Nuclear Regulatory Commission reported Friday that the plant has met only 8 of the 25 major performance objectives it must reach in order to restart operations. The plant has been shut since April 2011 due to damage caused by flooding and a series of safety violations discovered during subsequent inspections. Last month, OPPD officials had said they expected to have the plant ready to restart by late May.

<http://www.kfab.com/articles/local-news-122285/oppd-hopes-to-revive-ft-calhoun-11300067/>

Duke Energy's 872 MW Brunswick Nuclear Unit 1 in North Carolina Shut by May 18

On the morning of May 17 the unit was operating at full power.

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

Calpine's 751 MW Pastoria Natural Gas-Fired Unit in California Reduced by May 19

The unit entered an unplanned curtailment of 273 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201305191515.html>

Calpine's 604 MW Otay Mesa Energy Center Natural Gas-Fired Unit in California Returns to Service by May 19

The unit returned from an unplanned curtailment of 304 MW that began by May 16.

<http://content.aiso.com/unitstatus/data/unitstatus201305191515.html>

Dynegy's 510 MW Moss Landing Natural Gas-Fired Unit 2 in California Returns to Service by May 19

The unit returned from an unplanned curtailment of 260 MW that began by May 17.

<http://content.aiso.com/unitstatus/data/unitstatus201305191515.html>

AES's 496 MW Redondo Natural Gas-Fired Unit 8 in California Shut by May 19

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201305191515.html>

Inland Empire's 366 MW Inland Empire Natural Gas-Fired Unit 2 in California Returns to Service by May 18

The unit returned from an unplanned curtailment of 196 MW that began by May 17.

<http://content.aiso.com/unitstatus/data/unitstatus201305181515.html>

Update: NRG's 320 MW Etiwanda Natural Gas-Fired Unit 4 in California Returns to Service by May 18

The unit returned from an unplanned outage that began by May 12.

<http://content.aiso.com/unitstatus/data/unitstatus201305181515.html>

Edison's 100 MW Walnut Creek Natural Gas-Fired Unit 5 in California Shut by May 17

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201305171515.html>

Petroleum

Plains All American to Expand Western Oklahoma Crude Oil Pipeline System

Plains All American Pipeline, L.P. (PAA) today announced it is constructing a 95-mile extension of its existing Oklahoma crude oil pipeline system to service increasing production from the Granite Wash, Hogshooter, and Cleveland Sands producing areas in western Oklahoma and the Texas panhandle. The new Western Oklahoma pipeline will provide up to 75,000 b/d of new takeaway capacity from Reydon, Oklahoma to PAA's existing Orion station in Major County, Oklahoma. At the Orion station, crude oil will flow on PAA's existing pipeline system to the PAA terminal in Cushing. The new Western Oklahoma pipeline is supported by long-term producer commitments and is expected to be in service by the end of the first quarter of 2014.

<http://ir.paalp.com/profiles/investor/ResLibraryView.asp?BzID=789&ResLibraryID=62809&Category=117>

Storage Tank Fill Line Leaks 2,500 Barrels of Crude Oil at an Enbridge Terminal in Cushing, Oklahoma May 18

Enbridge Inc. on Monday reported cleanup operations were continuing in response to a crude oil release discovered Saturday from a storage tank fill line within the Enbridge Pipelines (Ozark) LLC's Cushing South Terminal in Oklahoma. An estimated 2,500 barrels of WTI-grade crude oil was released and held within the terminal containment structures. The failed tank fill line and associated tank were isolated soon after the release was reported, stopping any further release of oil. Investigation of the cause of the tank fill line failure continues and a repair plan is being developed. With the exception of the isolated tank fill line and its associated tank, all other Enbridge Cushing terminal and pipelines operations are continuing normally.

<http://www.enbridge.com/MediaCentre/News/Cushing-Terminal-Crude-Oil-Release.aspx>

Update: Transco Resumes Normal Operations at Ship Shoal Offshore Louisiana after Repairs to Its Southeast Louisiana Lateral Natural Gas Pipeline May 17

Williams Cos Inc.'s Transcontinental Gas Pipeline Co LLC (Transco) on Friday said natural gas flows on its Southeast Louisiana Lateral pipeline could resume effective 11:00 a.m. CDT that day following a disruption that began May 13, when operators discovered a small leak and shut-in gas at Ship Shoal 28 D in the Terrebonne Parish area offshore Louisiana to conduct repairs. Transco's more than 10,000-mile gas pipeline system has the capacity to carry 9.7 Bcf/d of supply from the Gulf Coast to 12 Southeast and Atlantic Seaboard States.

<http://www.1line.williams.com/1Line/wgp/download?delvid=5069073&hfNoticeFlag=Y&hfDownloadFlag=false&hfFileName=download.html>

DOE Approves Freeport LNG to Export 1.4 Bcf/d of LNG to Non-Free Trade Agreement Countries from Its Quintana Island LNG Terminal in Texas

The U.S. Department of Energy (DOE) on Friday announced that it has conditionally authorized Freeport LNG Expansion, L.P. and FLNG Liquefaction, LLC (Freeport) to export 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 on Quintana Island, Texas. Freeport had previously received approval to export LNG from this facility to countries with which the United States does have an FTA. Subject to environmental review and final regulatory approval, the facility is conditionally authorized to export at a rate of up to 1.4 Bcf/d for a period of 20 years. This is the second time DOE has authorized a proposed facility to export LNG to non-FTA countries. The first authorization was issued in May 2011 to the Sabine Pass LNG Terminal in Cameron Parish, Louisiana and permitted exports at a rate of up to 2.2 Bcf/d.

<http://energy.gov/sites/prod/files/2013/05/f0/ord3282.pdf>

<http://energy.gov/articles/energy-department-authorizes-second-proposed-facility-export-liquefied-natural-gas>

<http://www.freeportlng.com/PDFs/DOE%20Authorizes%20Freeport%20LNG%20to%20Export%20LNG.pdf>

Prince Rupert LNG Files Plans for Proposed LNG-Export Facility on Ridley Island, British Columbia

The Canadian Environmental Assessment Agency (CEAA) on May 6 announced it is taking public comments on whether a proposed project to export liquefied natural gas (LNG) from British Columbia merits a federal environmental review. Prince Rupert LNG Limited, a subsidiary of BG Group Plc, has proposed developing an LNG-export facility on Ridley Island at the Port of Prince Rupert. The project, which would be developed in two phases, is slated to include three LNG trains with a total capacity of up to 21 million tonnes per year. The company said it could begin constructing the first two trains in 2016, although the timing of a second construction phase would depend on market conditions. The CEAA will accept written comments until May 27 on whether a federal environmental assessment is required. If the agency decides a federal review is needed, the public will have three more opportunities to comment on this project.

http://www.downstreamtoday.com/news/article.aspx?a_id=39559

<http://www.ceaa-acee.gc.ca/050/document-eng.cfm?document=88894>

<http://www.ceaa-acee.gc.ca/050/documents/p80042/88546E.pdf>

Other News

Two Men Allegedly Steal 150 Feet of Copper Grounding Wire from a Duke Energy Substation in North Carolina May 15

<http://fortbragg.patch.com/articles/two-men-arrested-in-duke-energy-copper-wire-theft>

International News

Update: Libya's Tobruk and Zueitina Oil Terminals Reopen over Weekend after Protests; Natural Gas-Exporting Mellitah Complex Attacked May 20 – Oil Minister

Libya's oil terminals at Tobruk and Zueitina re-opened over the weekend after protests forced both ports to shut, according to a deputy oil minister, who also reported that guards had been attacked overnight at the gas-exporting Mellitah complex.

<http://www.reuters.com/article/2013/05/20/libya-oil-idUSL6N0E12JX20130520>

Energy Prices

U.S. Oil and Gas Prices			
May 20, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	96.72	95.01	91.98
NATURAL GAS Henry Hub \$/Million Btu	4.09	3.93	2.60

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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