



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

ENERGY ASSURANCE DAILY

Tuesday Evening, July 17, 2015

Electricity

Update: Power Restoration Efforts Continue to Over 6,000 Customers in Midwest, Southeast July 17 after Multiple Storms Hit July 12–14

Severe thunderstorms beginning Sunday night through Monday with a second line of storms on Tuesday knocked out power to 271,400 customers in Minnesota, Indiana, Illinois, Kentucky, West Virginia, and Virginia. Tuesday's events caused additional outages including 28,000 Kentucky Power and 15,000 Appalachian Power customers. As of 3:30 p.m. EDT Friday, 6,286 customers remained without power. Indianapolis Power and Light estimates full restoration to be complete by the end of Friday. Kentucky Power said most customers can expect service restored by midnight Friday although some customers may not have their power restored until late Saturday evening. Minnesota Power said it expects further progress Friday and will work through the weekend to restore power to remaining customers in the hardest hit neighborhoods. Appalachian Power said most areas had service restored Thursday but restoration in harder-hit areas was continuing into Friday evening.

Midwest, Southeast Customer Power Outages July 12–17, 2015			
Electric Utility	State	Total Affected	Latest Reported
Ameren Illinois	IL	29,000	1,289
Indianapolis Power and Light (IPL)	IN	74,400	451
Kentucky Power	KY	60,000	1,716
Minnesota Power	MN	8,000	1,603
Appalachian Power	VA/WV	100,000	1,227
TOTAL*		271,400	6,286

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

Sources:

<https://twitter.com/AmerenIllinois>

<https://www.ameren.com/outage-center/outage-map>

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

https://www.iplpower.com/Our_Company/Newsroom/2015/Restoration_efforts_continue_in_IPL_service_territory/

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

<https://www.kentuckypower.com/outages/details.aspx?stormName=July+13+Thunderstorms>

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

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

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

<https://www.appalachianpower.com/outages/details.aspx?stormName=July+13+Severe+Storm+Squall+Line+-+TN%2c+VA%2c+WV>

Update: Exelon's 802 MW Three Mile Island Nuclear Unit 1 in Pennsylvania Ramps Up to 85 Percent by July 17

On the morning of July 16 the unit was operating at 47 percent. The unit was reduced to 40 percent on July 15 from full power on July 14.

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

Update: Entergy's 966 MW River Bend Nuclear Unit 1 in Louisiana Ramps Up to 93 Percent by July 17

On the morning of July 16 the unit was operating at 70 percent. The unit was reduced to 63 percent on July 13 from full power on July 12.

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

Duke Energy Starts Construction on 13 MW Solar Farm at Camp Lejeune, North Carolina July 17

Duke Energy started construction Friday on a solar energy farm at Camp Lejeune Marine Corps base in North Carolina. The Navy has said its reliance on oil is a national security problem and plans to produce at least half of its on-shore energy needs from alternative sources by 2020. Duke Energy is required by state law to generate 12.5 percent of its electricity from renewable sources by 2021.

<http://newsok.com/duke-energy-breaking-ground-for-solar-farm-at-camp-lejeune/>

Petroleum

BNSF Oil Unit Train Derails, Spills 35,000 Gallons in Montana; No Fires Reported July 16

A BNSF train derailment east of Culbertson, Montana on Thursday spilled 35,000 gallons of crude oil and forced the evacuation of about 30 people, a U.S. official said on Friday. About 20 cars on the crude oil train went off the rails but no fire and no injuries were reported. The spilled crude came from three breached tank cars on the train, which in total had 106 loaded tank cars along with two buffer cars and two locomotives. A hazardous materials team from BNSF responded to the scene and contained the spilled oil with earthen dams, an official with the U.S. Department of Transportation said. The spilled crude did not reach any waterways. An investigation into the cause of the derailment is under way. The segment of railroad where the accident occurred was expected to re-open for travel at midnight on Friday, he said.

<https://www.fra.dot.gov/eLib/details/L16736>

Reuters, 14:57 July 17, 2015

Nexen Reports Emulsion Leak near Its 72,000 b/d Long Lake Oil Sands Facility in Alberta July 15

Nexen Energy ULC on Wednesday discovered an emulsion leak from a pipeline at its Long Lake oil sands facility south of Fort McMurray in Alberta. The size of the spill was estimated to be 31,500 barrels of emulsion over an area of approximately four acres, but the Alberta Energy Regulator said it did not contaminate any water bodies. The leak has been stabilized and the site is under control, the company said on Thursday. Nexen said it will continue to investigate the cause and utilize all its resources to contain and clean up the spill. Production from the 9,000 b/d Kinosis oil sands site will be halted until the ruptured pipeline is repaired.

http://www.nexencnooltd.com/en/AboutUs/MediaCentre/NewsReleases/News/Release.aspx?year=2015&release_id=B20D782F81434D58889FAE403811D758

<http://www.reuters.com/article/2015/07/17/nexen-pipeline-spill-idUSL2N0ZW34220150717>

Small CDU Back in Production at Valero's 335,000 b/d Port Arthur, Texas Refinery July 17 – Sources

Valero Energy Corp returned the 75,000 b/d crude distillation unit (CDU) to production on Friday morning at the company's Port Arthur, Texas, refinery, said sources familiar with plant operations. Energy industry intelligence service Genscape said the CDU shut down on Thursday morning.

Reuters, 10:56 July 17, 2015

Phillips 66 Reports Unscheduled Maintenance at Its 146,000 b/d Borger, Texas Refinery Running at Less than Normal Production July 16

Reuters, 14:49 July 17, 2015

Update: FCCU at ExxonMobil's 149,500 b/d Torrance, California Refinery Shut until Year-End – Sources

ExxonMobil Corp's 100,000 b/d fluidic catalytic cracking unit (FCCU) won't produce gasoline at until the end of the year at the earliest, said West Coast refined products market sources on Thursday. Exxon had been expected to restore partial production on the FCCU by the end of the summer. The FCCU was heavily damaged in a February explosion.

Reuters, 18:09 July 16, 2015

Kansas City Southern Reports Canadian Crude Oil Shipments to U.S. Gulf Coast Rise

Kansas City Southern Railways' Canadian oil shipments to the U.S. Gulf Coast are increasing as the price difference between Mexican and Canadian heavy crude oil has widened, the Chief Executive said Friday. He said July should be a record in terms of crude car loadings, and that pipeline movements of Canadian crude to the Gulf market "is pretty much tapped out," suggesting that incremental barrels will arrive via rail. The company's president said oil-by-rail volumes this month were 70 percent above 2014 levels and about 65 percent higher than in the first quarter this year.

Reuters, 10:47 July 17, 2015

Natural Gas

Transco Completes Unplanned Valve Replacement on Its SELA Natural Gas Pipeline July 16

Williams Cos Inc's Transcontinental Gas Pipeline Co (Transco) said it completed the valve replacement on the departing line of Ship Shoal 70 on the Southeastern Louisiana Lateral (SELA). The work commenced on July 14. Transco's 10,200-mile gas pipeline system has the capacity to carry 9.9 Bcf/d from the Gulf Coast to markets throughout the Southeast, mid-Atlantic and Northeast, including New York City.

<http://www.1line.williams.com/1Line/wgp/download?delvid=6615994&hfNoticeFlag=Y&hfDownloadFlag=false&hfFileName=download.html>

Reuters, 15:57 July 16, 2015

Other News

Nothing to report.

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
July 17, 2015			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	50.83	52.69	102.69
NATURAL GAS Henry Hub \$/Million Btu	2.90	2.68	4.10

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

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