



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

ENERGY ASSURANCE DAILY

Wednesday Evening, July 20, 2011

Electricity

Massive Heat Wave Impacts 141 Million People across the U.S. – No Significant Impact on Electric Grid Reported July 20

According to CNN, at least 13 deaths have been blamed on the heat wave as it moves into the eastern U.S. today. About 141 million people (nearly half of the U.S. population) are under heat advisories or warnings. At least two Midwestern utilities reported setting record electric consumption July 18. Interstate Power and Light, which serves Iowa and Minnesota, set a peak usage record of 3,701 MW, while Xcel Energy set a usage record of 9,500 MW in Minnesota, Wisconsin, and the Dakotas. The company's previous record, 9,100 MW, was set last August. However, there have been no reports of outages or curtailments due to the heat. The Midwest Independent Transmission System Operator (MISO) extended its Conservative Operations through July 22 at 10 p.m.

http://www.cnn.com/2011/US/07/20/heat/index.html?hpt=hp_t2

http://www.desmoinesregister.com/article/20110719/NEWS/110719045/1001/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+desmoinesregister%2FNews+%28DesMoinesRegister.com+-+NEWS%29

<http://www.bizjournals.com/twincities/news/2011/07/19/heat-wave-mall-of-america-xcel-energy.html>

<http://www.wday.com/event/article/id/49374/group/homepage/>

<http://www.delawareonline.com/article/20110720/NEWS/110720018/Region-s-power-grid-expected-set-new-demand-record-today?odyssey=tab|topnews|text|Home>

<https://www.misoenergy.org/MarketsOperations/Notifications/Pages/ConservativeOperationsInitiate20110720082304.aspx>

Update: DTE Energy and FirstEnergy Restore Power to Most Customers by July 20

The utilities restored power to most of their customers in Michigan and Ohio storms and a heat wave left tens of thousands of each utility's customers without power July 18-19. DTE Energy is currently reporting 5,000 Michigan customers are still without power, down from a peak of 71,000. FirstEnergy is reporting that a maximum of 10,000 Ohio customers remain in the dark. The company previously reported multiple outages July 18-19, with a peak of about 55,000-60,000 out at any one time.

<http://www.freep.com/article/20110720/NEWS01/110720005/Detroit-closes-dozens-schools-without-air-conditioning-amid-heat-wave?odyssey=tab%7Ctopnews%7Ctext%7CFRONTPAGE>

https://www.firstenergycorp.com/outages/outages.do?state_code=OH

PSE&G's 1,092 MW Salem Nuclear Unit 2 in New Jersey at Full Power by July 20

The Nuclear Regulatory Commission reported that on the morning of July 19 the unit was operating at 17 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

Entergy's 510 MW Vermont Yankee Nuclear Unit in Vermont at Full Power by July 20

The Nuclear Regulatory Commission reported that on the morning of July 19 the unit was operating at 75 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

Luminant's 568 MW Sandow Coal-Fired Unit 4 Restarting Following Trip July 19-20

It was not clear from a filing with state regulators when the trip occurred.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156947>

OPG's 535 MW Oil- and Gas-Fired Unit 4 in Ontario Shut July 19

Reuters, 09:22 July 20, 2011

ERCOT Warns New EPA Pollution Rules Could Lead to Electricity Shortages and Blackouts July 19

The U.S. Environmental Protection Agency (EPA) Cross-State Air Pollution Rule will reduce emissions of nitrogen oxide and sulfur dioxide from coal-fired power plants in Texas and other states. According to the Electric Reliability Council of Texas (ERCOT), many coal plants in the state will be forced to shut down or curtail operations as a result. According to reports, the rule, which is due to go into effect January 1, 2012, will likely impact more than 5,400 MW of generation from Luminant's Big Brown, Monticello, and Martin Lake plants.
Reuters, 17:09 July 20, 2011

Westar Energy Warns Company Unable to Comply with New EPA Pollution Rules

A company official said that it "literally appears right now impossible" that the company will be able to comply with the U.S. Environmental Protection Agency (EPA) Cross-State Air Pollution Rule when it comes into effect January 1, 2012. However, the official said that the Kansas utility should be able to comply with the rules by 2015. In the interim, the company will have to either purchase pollution credits or pay millions of dollars in fines.

<http://www.kansas.com/2011/07/20/1940253/westar-no-way-can-we-meet-pollution.html>

DTE Energy Seeks License Renewal from NRC for 1,140 MW Fermi Nuclear Unit 2 in Michigan July 20

According to a press release, the company notified the Nuclear Regulatory Commission (NRC) that it intends to apply for renewal of the unit's operating license in 2014. The current license expires in 2025; the renewal would permit the plant to operate an additional 20 years.

<http://dteenergy.mediaroom.com/index.php?s=43&item=638>

Petroleum

Savage Companies Announces Construction Has Begun on Trenton Railport in Trenton, North Dakota July 19

The Trenton Railport, which will be served by Burlington Northern Santa Fe, will deliver crude oil by rail from the Bakken shale for multiple users. The facility is due to be in operation by the second quarter of 2012.

http://www.downstreamtoday.com/news/article.aspx?a_id=27274

TransMontaigne Partners and Blueknight Energy Partners Plan to Build 1 Million Barrel Crude Storage Facility in Cushing, Oklahoma July 19

Construction is due to begin in August and finish in the second quarter of 2012.

<http://investor.bkep.com/profiles/investor/ResLibraryView.asp?BzID=1505&ResLibraryID=46241&G=386>

OPEC Predicts Slower Oil Demand Growth in 2012

The Organization of the Petroleum Exporting Countries (OPEC) said in its forecast for next year that oil demand will grow more slowly in 2012 due to bad economic conditions and reduced consumption in Europe. OPEC predicts that oil demand will rise by 1.32 million b/d in 2012, compared to an expected rise of 1.36 million b/d in 2011.

<http://www.poten.com/NewsDetails.aspx?id=11439351>

Natural Gas

Nothing to report.

Other News

Renewable Energy Group Currently Building Three New Biodiesel Refineries in the U.S. with a Total Capacity of 135 MMGal/Yr.

The biodiesel refineries under construction are as follows:

- A 60 MMGal/Yr. plant in Emporia, Kansas.
- A 60 MMGal/Yr. plant in New Orleans, Louisiana.
- A 15 MMGal/Yr. plant in Clovis, New Mexico.

The company already owns six biodiesel plants across the country with an aggregate capacity of 212 MMGal/Yr.
<http://blogs.desmoinesregister.com/dmr/index.php/2011/07/19/ames-biodiesel-company-will-seek-100-million-from-ipo/>

Energy Prices

U.S. Oil and Gas Prices July 20, 2011			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	98.35	98.73	77.07
NATURAL GAS Henry Hub \$/Million Btu	4.60	4.38	4.56

Source: Reuters

Energy Notes

Up to 19,000 WPS Customers Lose Power in Wisconsin Due to Storms July 19-20 – Company Reports 6,342 Customers Currently Lack Service

<http://www.4-traders.com/INTEGRYS-ENRGY-GRP-14904/news/INTEGRYS-ENRGY-GRP-Wisconsin-Public-Service-Restoring-Power-to-Stevens-Point-Following-Last-Night-s--13715444/>
<http://www.wisconsinpublicservice.com/outagesummary/view/outagegrid.aspx>

Likely Circuit Breaker Malfunction Kills Power to 12,700 ComEd Customers in Chicago, Illinois Suburbs July 19 – About 800 Remain in the Dark as of Latest Reports

http://articles.chicagotribune.com/2011-07-19/news/chi-more-than-12000-customers-without-power-in-west-suburbs-20110719_1_power-outages-circuit-breaker
<http://twitter.com/#!/ComEd/status/93679492622589952>

Storms Knock Out Power to Over 11,000 LG&E Customers in Jefferson County, Kentucky July 19 – Company Reports 2,900 without Power in the County Early July 20

<http://www.courier-journal.com/article/20110720/NEWS01/307200052/About-3-700-still-without-power-following-Tuesday-s-storms?odyssey=nav%7Chead>
<http://www.courier-journal.com/article/20110720/NEWS01/307200052/1001/Less-than-3-000-without-power-following-Tuesday-s-storms?odyssey=mod|newswell|text|Home|p>

Man Dies Trying to Steal Copper from Duke Energy Substation in Spartanburg County, South Carolina July 18 – Incident Leaves 3,000 Duke Customers without Power July 18-19

<http://www.firehouse.com/news/top-headlines/sc-man-dies-attempting-steal-copper-substation>

Steam Release Gives Man Second Degree Burns at Alon USA's 67,000 b/d Big Spring, Texas Refinery

Reuters, 23:57 July 19, 2011

Update: International Oil Companies Restarting Production at Oil Fields in Marib Province, Yemen July 19 Following Oil Export Pipeline Repairs

http://www.chinadaily.com.cn/xinhua/2011-07-20/content_3243154.html

RHU-300 Unit Depressurized to Repair Leak at BP's 406,570 b/d Texas City, Texas Refinery July 18-19

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=156963>

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 EDT every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM EDT every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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