



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

# ENERGY ASSURANCE DAILY

Wednesday Evening, July 13, 2011

## Electricity

### Update: Nearly 225,000 Midwesterners Still Without Power Following July 11-12 Storms

Updates from impacted utilities indicated that up to 224,692 customers remained without power July 13 after thunderstorms and strong winds knocked out power to nearly 1.5 million in the U.S. Midwest. Commonwealth Edison (ComEd) is reporting that 168,000 customers remain without power in its northern Illinois service territory, down from a peak of 868,000. DTE Energy and Indiana Michigan Power are the only other utilities still reporting outages numbering over 10,000 customers.

| U.S. Midwest Customer Power Outages       |          |                  |                 |
|---|----------|------------------|-----------------|
| July 11-13                                |          |                  |                 |
| Electric Utility                          | State    | Peak             | Latest Reported |
| ComEd                                     | IL       | 868,000          | 168,000         |
| Ameren                                    | IL       | 6,954            | 347             |
| Consumers Energy                          | MI       | 136,000          | 5,700           |
| DTE Energy                                | MI       | 82,000           | 12,000          |
| Indiana Michigan Power                    | MI/IN    | 67,000           | 12,554          |
| Holland Board of Public Works             | MI       | 5,000            | 500             |
| Midwest Energy Cooperative                | MI/IN/OH | 15,000           | 1,009           |
| Dayton Power & Light                      | OH       | 60,000           | 6,777           |
| AEP Ohio                                  | OH       | 55,000           | 0               |
| Alliant                                   | IA/MN/WI | 50,000           | 6,979           |
| Iowa Association of Electric Cooperatives | IA       | 7,900            | 655             |
| We Energies                               | WI       | 40,000           | 50              |
| OGE                                       | OK/AR    | 17,472           | 201             |
| Appalachian Power                         | WV       | 14,800           | 0               |
| Allegheny Energy                          | WV       | 11,900           | 1,810           |
| West Penn Power                           | PA       | 13,000           | 8,000           |
| Duquesne Light                            | PA       | 12,000           | 110             |
| <b>TOTAL*</b>                             |          | <b>1,462,026</b> | <b>224,692</b>  |

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

Sources:

ComEd: <http://twitter.com/#!/ComEd/status/91206745032101888> ,  
<http://www.chicagotribune.com/news/local/breaking/chi-comed-665000-down-203000-to-go-20110713,0,1970160.story>

Ameren: <http://www.ameren.com/sites/aiu/OutageCenter/Pages/default.aspx>

Consumers Energy: <http://www.consumersenergy.com/News.aspx?id=4757&year=2011>

DTE Energy: <http://www.freep.com/article/20110713/NEWS05/107130321/Still-no-power-12-000-DTE-customers?odyssey=mod|newswell|text|FRONTPAGE|s>

Indiana Michigan Power:

<https://www.indianamichiganpower.com/outages/details.aspx?stormName=Indiana%20Michigan%20Power%20-%20July%2011%20Thunderstorm>

Holland Board of Public Works:

<http://www.hollandbpw.com/SiteCollectionDocuments/News%20Releases/2011July12%20Update%20on%20Storm%20Response%281%29.pdf>

Midwest Energy Cooperative: <http://www.teammidwest.com/2011/07/13/power-outage-update-july-13-at-1115-a-m/> ,  
<http://ebill.teammidwest.com/oms/outageMap>

Dayton Power & Light: <http://www.dpandl.com/customer-service/outage-center/outage-map/>

<http://www.tcnnewsnet.com/main.asp?SectionID=3&SubSectionID=3&ArticleID=156292>  
AEP Ohio: <https://www.aepohio.com/outages/details.aspx?stormName=July%2011%20Ohio%20Storm>  
Alliant: <http://www.alliantenergy.com/UtilityServices/StormOutageCenter/ElectricalOutageSummary/index.htm>  
Iowa Association of Electric Cooperatives: <http://outages.iowarec.org/>  
We Energies: <http://www.we-energies.com/outagemapext/>  
OGE: <http://public.oge.com/systemwatch/SystemWatch.swf?startMapID=1>  
Appalachian Power: <https://appalachianpower.com/outages/>  
Allegheny Energy:  
[https://app.alleghenyenergy.com/outagestatus/Map/AE\\_MAP1.html?DropDownList3=resource%2FCommunities%2FWeston%2C+WV%2Findex.html%2439.02119%2C-80.43529](https://app.alleghenyenergy.com/outagestatus/Map/AE_MAP1.html?DropDownList3=resource%2FCommunities%2FWeston%2C+WV%2Findex.html%2439.02119%2C-80.43529)  
West Penn Power: <http://www.wtae.com/r/28513880/detail.html>  
Duquesne Light: <http://twitter.com/#!/DuquesneLight/status/90881137760677888>

## **KCP&L Reports 22,000 Missouri and Kansas Customers Lose Power amid Storms and Winds July 12-13**

The storm tore down power lines, downed trees, and damaged a public works facility in Overland Park, Kansas. Kansas City Power & Light (KCP&L) reported about 22,000 customers without power at one point July 12. By the morning of July 13, the company reported 9,300 still without power.

<http://www.fox4kc.com/news/wdaf-storm-damage-power-lines-trees-and-structures-come-down-20110713.0.1338022.story>  
<http://www.kctv5.com/story/15072577/overnight-storm-high-winds>  
[http://www.kcpl.com/kcmaps/frameset\\_menus.htm](http://www.kcpl.com/kcmaps/frameset_menus.htm)

## **Southern's 870 MW Hatch Nuclear Unit 2 in Georgia Reduced to 60 Percent by July 13**

The Nuclear Regulatory Commission reported that on the morning of July 12 the unit was operating at 93 percent. Information derived from the NRC Power Reactor Status Reports:

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

## **Multiple Units Reduced at TVA's Sequoyah Nuclear Power Plant in Tennessee Due to Overflow of Condenser Circulator Water July 12-13**

The Nuclear Regulatory Commission (NRC) reported that the 1,125 MW unit 1 was reduced to 90 percent by July 13, and the 1,126 MW unit 2 was reduced to 85 percent by July 13. According to a company filing with the NRC, both units were being reduced to 85 percent and two condenser circulating water pumps were shut after "one of the two diffuser gates at Sequoyah failed and shut off the west diffuser pipe." The NRC reported that on the morning of July 12, both units were operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110713en.html>

Information also derived from the NRC Power Reactor Status Reports:

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

## **Update: Elk Hills Power's 552 MW Elk Hills Gas-Fired Unit in California Returns to Service by July 12**

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment by July 12.

<http://www.caiso.com/unitstatus/data/unitstatus201107121515.html>

## **Entegra Power Group's 291 MW Gila River Dynamic Resource Gas-Fired Unit in Arizona Reduced by July 12**

According to the California Independent System Operator, the unit reported an unplanned curtailment of 191 MW by July 12.

<http://www.caiso.com/unitstatus/data/unitstatus201107121515.html>

## **Intergen's 180 MW Ciclo Combinado Mexicali Gas-Fired Unit in Mexico Returns to Service by July 12**

According to the California Independent System Operator, the unit reported a return from an unplanned outage by July 12.

<http://www.caiso.com/unitstatus/data/unitstatus201107121515.html>

### **Georgia Power Plans to Shut down Three Power Plant Units in Georgia over Two Years**

A Southern Company official said on July 11 that its subsidiary, Georgia Power, intends to close two coal-fired units at the Plant Branch power plant in Milledgeville, Georgia. One of these units would be closed by October 2013, and the other by December 2013. The official also said that a third unit at an unspecified power plant, burning an unspecified fuel, would be shuttered as well. The company is shutting the coal-fired units due to impending U.S. Environmental Protection Agency rules limiting pollution. The company also plans to use energy efficiency programs to cut an additional 2,600 MW from its system.

[http://pro.energycentral.com/professional/news/power/news\\_article.cfm?id=20708885](http://pro.energycentral.com/professional/news/power/news_article.cfm?id=20708885)

### **Update: KCC Grants Siting Approval to ITC Great Plains for its 122-Mile, 345 kV V-Plan Transmission Line in Kansas July 12**

The route approved by the Kansas Corporation Commission (KCC) runs 122 miles through southwestern Kansas from the existing Spearville substation to two new substations: the Clark County substation in northern Clark County and the Thistle substation east of Medicine Lodge in central Barber County.

<http://investor.itc-holdings.com/releasedetail.cfm?ReleaseID=591023>

### **Crane Accidentally Downs Dominion Power Lines, Briefly Forcing Shut the Capital Beltway in Virginia July 13**

Traffic on the Capital Beltway (I-495) was rerouted near Tysons Corner, Virginia after the downed power lines forced a closure at 1:30 a.m. today. The lines were temporarily repaired three hours later, and the highway has since been reopened in both directions. Dominion plans to make permanent repairs at a later date. Fewer than 200 customers in Virginia lost power due to the incident.

<http://www.nbcwashington.com/news/local/Downed-Power-Lines-Closed-the-Beltway-in-Virginia-125474563.html>

### **Free Flow Power Corp. Begins Operation of First Full-Scale Hydrokinetic Turbine Generator in the Mississippi River June 20**

The capacity of the this first hydrokinetic turbine generator is unknown, but the company is currently working towards licensing 25 permitted projects in the Lower Mississippi River between Kentucky and Louisiana with a capacity of 3,303 MW. Free Flow Power Corporation has another 43 sites applications pending with additional capacity of 5,371 MW.

<http://www.businesswire.com/news/home/20110713005558/en/Free-Flow-Power-Demonstrates-Hydropower-Technology-Mississippi>

[http://www.free-flow-power.com/projects/mississippi\\_river\\_projects](http://www.free-flow-power.com/projects/mississippi_river_projects)

## ***Petroleum***

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### **Update: PHMSA Asks Pipeline Operators in Montana to Beware of Unusual Operating Conditions as Yellowstone River Recedes from Flood Levels**

The U.S. Pipeline and Hazardous Materials Safety Administration (PHMSA) has asked 23 companies to continue to monitor their Montana pipelines for abnormal operations caused by flooding.

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=27176](http://www.downstreamtoday.com/news/article.aspx?a_id=27176)

### **Update: Pembina Restarts 12-Inch, 18,500 b/d Western System Oil Pipeline in British Columbia by July 11**

The pipeline, which carries an average of 18,500 b/d of oil from Taylor to Kamloops, British Columbia, was shut the weekend of June 25 due to erosion and washout conditions. The pipeline was restarted 15 days later after the company determined that the line is safe to operate. The pipeline is owned by the Pembina subsidiary Plateau Pipe Line Ltd.

<http://pembina.mediaroom.com/index.php?s=10336&item=45107>

### **Update: Sunoco Completes Repairs on 40,000 b/d Gasoline-Making FCC at 335,000 b/d Philadelphia, Pennsylvania Refinery July 13**

The fluid catalytic cracking (FCC) unit was cut to 25,000 b/d on July 6 after a failure at the unit's wet gas compressor. A small fire broke out on July 10 while operators tried to repair the unit. The unit is located at the Point Breeze section of the refinery.

Reuters, 12:54 July 13, 2011

## **Update: ExxonMobil Begins Preliminary Work to Replace Ruptured 12-Inch, 40,000 b/d Silvertip Oil Pipeline in Montana as State Regulators Question Spill Estimate**

According to the company, the pipeline ruptured and spilled 1,000 barrels (42,000 gallons) of oil into the Yellowstone River in Montana July 1. However, Montana regulators have called on ExxonMobil to revise its estimate of how much oil spilled. The company has deployed more than 43,000 feet of boom and approximately 260,000 absorbent pads to clean up oil adjacent to the river.

<http://www.reuters.com/article/2011/07/13/exxonmobil-spill-idUSN1E76C07620110713>

<http://finance.yahoo.com/news/Montana-questions-Exxons-apf-3970421091.html?x=0&.v=8>

[http://www.businesswire.com/portal/site/exxonmobil/index.jsp?ndmViewId=news\\_view&ndmConfigId=1001106&newsId=20110713005485&newsLang=en](http://www.businesswire.com/portal/site/exxonmobil/index.jsp?ndmViewId=news_view&ndmConfigId=1001106&newsId=20110713005485&newsLang=en)

## **Chinese Government Suspends 17,000 b/d of ConocoPhillips Oil Production in Bohai Bay, China Due to Risk of Spill July 13**

The State Oceanic Administration ordered ConocoPhillips to suspend production from Penglai Platforms B and C, resulting in a temporary reduction of about 17,000 b/d of oil production. China National Offshore Oil Corporation (CNOOC), which owns 51 percent of the venture, says that the two platforms were producing 22,000 b/d before they were shut in. ConocoPhillips estimates that between 1,500 and 2,000 barrels of oil and oil-based drilling fluids spilled from two incidents that occurred in Bohai Bay on June 4 and June 17.

DJN, 12:12 July 13, 2011

<http://www.oji.com/index/article-display/2955621930/articles/oil-gas-journal/drilling-production-2/production-operations/20100/july-2011/conocophilips-halts.html>

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## **Natural Gas**

### **Crosstex Energy and Apache Announce Plans to Build New 50 MMcf/d Natural Gas Processing Facility in the Permian Basin in West Texas July 12**

The companies will build a 20 MMcf/d interim facility that will be operational by the fourth quarter of 2011. The 50 MMcf/d gas processing facility is expected to be operational in the second quarter of 2012.

<http://investor.crosstexenergyip.com/phoenix.zhtml?c=135312&p=irol-newsArticle&ID=1584131&highlight=>

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## **Other News**

### **President Obama Signs Executive Order Creating Interagency Working Group to Coordinate Energy Projects in Alaska July 12**

The group's members will come from multiple cabinet departments, including the U.S. Department of Energy. The group will be chaired by Interior Department Deputy Secretary David Hayes.

<http://finance.yahoo.com/news/Obama-creates-group-for-apf-3198609132.html?x=0&.v=1>

### **BOEMRE Reduces Area Offshore Ocean City, Maryland Available for Wind Energy Development Due to Shipping Safety Concerns July 11**

The Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) reduced the area where wind turbines can be placed from 206 to 94 square nautical miles. A state official said that the reduction would not impact plans to generate wind power off Maryland's coast.

[http://pro.energycentral.com/professional/news/power/news\\_article.cfm?id=20707876](http://pro.energycentral.com/professional/news/power/news_article.cfm?id=20707876)

### **Illinois Governor Signs Legislation to Turn Former Steel Mill in Chicago into a Coal Gasification Plant July 13**

Leucadia National subsidiary Chicago Clean Energy will invest \$3 billion to build the plant, which will turn coal into natural gas. It is not clear from reports how much gas the plant would produce, though news reports indicate it would consume up to one million tons of coal each year.

<http://abclocal.go.com/wls/story?section=news/local&id=8247518>

<http://southtownstar.suntimes.com/news/6468435-418/quinn-signs-coal-gasification-plant-bill.html>

## Energy Prices

| U.S. Oil and Gas Prices<br>July 13, 2011                             |       |          |          |
|--|-------|----------|----------|
|  | Today | Week Ago | Year Ago |
| <b>CRUDE OIL</b><br><b>West Texas Intermediate U.S.</b><br>\$/Barrel | 98.73 | 96.85    | 76.86    |
| <b>NATURAL GAS</b><br><b>Henry Hub</b><br>\$/Million Btu             | 4.38  | 4.40     | 4.42     |

Source: Reuters

## Energy Notes

**EPRI Reports “Aggressive” Corrosion in Pollution Scrubbers Used across the U.S. – AEP, Duke Energy, and FirstEnergy Have All Found Corrosion in Scrubbers Used in Their Power Plants**

[http://www.dispatch.com/live/content/local\\_news/stories/2011/07/11/aggressive-decay-eats-at-power-plants.html](http://www.dispatch.com/live/content/local_news/stories/2011/07/11/aggressive-decay-eats-at-power-plants.html)

**Power Outage Knocks Out Amine Plant and AGI Compressor for Hours at Waha Gas Plant in Texas July 12**

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=156742>

**ExxonMobil Reports Emissions from Sulfur Conversion Unit at 560,640 b/d Baytown, Texas**

Reuters, 00:38 July 13, 2011

**Shell Reports Instrument Problems Cause Unplanned Flaring in Light Oil Processing Unit at 125,000 b/d Martinez, California Refinery July 13**

DJN, 11:14 July 13, 2011

**ConocoPhillips Reports Unplanned Flaring at 110,000 b/d Wilmington, California Refinery July 12-13**

DJN, 10:58 July 13, 2011

**ExxonMobil Reports Process Upset Leads to Flaring at 238,600 b/d Joliet, Illinois Refinery July 12**

Reuters, 04:19 July 13, 2011

**Motiva Enterprises Reports Upset at 234,700 b/d Norco, Louisiana Refinery**

Reuters, 00:25 July 13, 2011

**Aux Burner Goes Down, Shutting Sulfur Plant at Keystone Gas Plant in Texas July 12-13**

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=156718>

**Compressor Units #1, #2, and #3 Briefly Shut Due to Low Engine Oil Pressure at South Fullerton Booster Station in Texas July 12**

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=156719>

**Enterprise Products Partners Reports Brief Leak on Splitter IV Unit at Mont Belvieu, Texas NGL Facility July 12**

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=156711>

## Links

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***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](http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

***Natural Gas Weekly Update*** from EIA

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

Updated after 2:00 PM EST every Thursday.

### ENERGY ASSURANCE DAILY

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

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