



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

# ENERGY ASSURANCE DAILY

Monday Evening, February 01, 2010

## Electricity

### Update: Over 85,000 Customers Remain Without Power in Oklahoma and Arkansas due to Ice and Snow Storms February 1

According to the latest information available, more than 85,000 customers remain without electricity as utilities in Oklahoma worked to restore power to the nearly 200,000 customers who lost power during the storms which hit the state last week. Oklahoma remains in a state of emergency after the governor made the declaration last Wednesday. The following table lists peak and current outage figures, based on latest available data.

Oklahoma, Arkansas Customer Power Outages January 28-February 1, 2010			
Electric Utility	State	Peak	Latest Reported
Public Service Co. of Oklahoma	OK	69,716	34,172
Oklahoma Association of Electric Cooperatives	OK	62,341	32,508
Oklahoma Gas & Electric	OK	27,000	4,739
Oklahoma Municipal Power Authority	OK	26,606	14,916
Entergy Arkansas	AR	12,733	192
<b>TOTAL *</b>		<b>198,396</b>	<b>86,527</b>

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

Sources:

Public Service Co. of Oklahoma:

<http://www.psoklahoma.com/outages/details.aspx?stormName=Oklahoma%20Winter%20Storm%20January%2028-29%202010> (as of 2:45 pm 2/1/2010)

Oklahoma Association of Electric Cooperatives: [http://oaec.coop/Latest\\_News.php](http://oaec.coop/Latest_News.php) (as of 10:15 am 2/1/2010)

Oklahoma Gas & Electric: <http://public.oge.com/systemwatch/> (as of 4:00 PM EST 2/1/2010)

Oklahoma Municipal Power Authority:

[http://www.ok.gov/OEM/Emergencies\\_&\\_Disasters/2009/Winter\\_Weather\\_Event\\_20100128\\_Master/Winter\\_Weather\\_Event\\_20100128-17.html](http://www.ok.gov/OEM/Emergencies_&_Disasters/2009/Winter_Weather_Event_20100128_Master/Winter_Weather_Event_20100128-17.html) (as of 1 pm 2/1/2010)

Entergy Arkansas: <http://viewoutage.entergy.com/ar.aspx> (as of 4:01 PM EST 2/1/2010)

<http://ozarksfirst.com/content/fulltext/?cid=230271>

[http://www.duncanbanner.com/local/local\\_story\\_031232938.html](http://www.duncanbanner.com/local/local_story_031232938.html)

[http://www.normantranscript.com/localnews/local\\_story\\_032011538?keyword=topstory](http://www.normantranscript.com/localnews/local_story_032011538?keyword=topstory)

### Weekend Storms Knocks Out Power to More Than 65,000 Customers in North and South Carolina

Progress Energy reported more than 55,000 customers in the Carolinas lost power due to the snow and ice. As of Monday morning, power was restored to most Progress Energy customers. Duke Energy reported 10,000 customers without power over the weekend in both states. As of 4:00 p.m. EST, 6,865 Duke Energy customers remain without power.

<http://www.duke-energy.com/outages/stats/>

<http://www.foxcarolina.com/news/22398697/detail.html>

<http://www.reflector.com/state-news/duke-more-10000-nc-customers-without-power-21681>

### New York Power Authority Shuts 883 MW Charles Poletti Oil- and Gas-fired Power Plant in New York

The plant was permanently shut at 11:59 p.m. on January 31 as the result of a lawsuit filed in 2002 against the power authority. A replacement plant was built in 2005 to supply the area's electricity needs.

<http://www.lohud.com/article/20100129/NEWS05/1290400/One-of-New-York-City-s-dirtiest-power-plants-to-close>

## **Maine Public Service Company Considers Development of 345 kV Transmission Line in Maine**

Maine Public Service (MPS) plans a 26-mile long privately funded merchant transmission line linking MPS both to wind farms in northern Maine and to the New England power grid.

<http://www.marketwire.com/press-release/Maine-Public-Service-Company-Explores-Merchant-Line-NYSE-Amex-MAM-1109581.htm>

## **Exelon's 1,116 MW Peach Bottom Nuke Unit 2 in Pennsylvania Reduced to 64 Percent by January 30**

The Nuclear Regulatory Commission reported that on the morning of January 29 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

## **Watson Cogeneration's 417 MW Watson Gas-fired Unit in California Reduced by January 30**

According to the California Independent System Operator, the unit reported an unplanned curtailment of 227 MW on January 30.

<http://www.caiso.com/unitstatus/data/unitstatus201001301515.html>

## **Update: Bruce Power's 822 Bruce Nuke Unit 7 in Ontario Restarts February 1**

The unit was shut on January 25 to work on external corrosion on a condensate system pipe.

Reuters, 11:48 February 1, 2010

## **Update: Bruce Power Restarts 750 MW Bruce Nuke Unit 4 in Ontario January 30**

The unit was shut on January 14 for work on safety system valves.

Reuters, 11:48 February 1, 2010

## **Update: Delta Power's 240 MW Crockett Gas-fired Unit in California Returns to Service by January 29**

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

<http://www.caiso.com/unitstatus/data/unitstatus201001291515.html>

## **Update: SCE's 200 MW Eastwood Hydro Unit in California Returns to Service by January 29**

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

<http://www.caiso.com/unitstatus/data/unitstatus201001291515.html>

## **Exelon Corp. Joins FutureGen Alliance to Develop Clean Coal Demonstration Facility in Illinois**

Exelon announced that it will cooperate with FutureGen Alliance to develop the 275 MW integrated gasification combined-cycle (IGCC) power plant. The plant is being designed to achieve near-zero emissions.

[http://www.exeloncorp.com/aboutus/news/pressrelease/corporate/013010\\_FutureGen\\_release.htm](http://www.exeloncorp.com/aboutus/news/pressrelease/corporate/013010_FutureGen_release.htm)

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## ***Petroleum***

## **Update: Ship Traffic along Sabine-Neches Water Resumes Normal Operations by January 31**

Ship traffic was halted along the waterway January 23 to January 27 after a tanker collision spilled 11,000 barrels of crude. One section of the channel continues to require ships to reduce speed to avoid spreading any spilled oil as clean-up operations are still underway.

<http://www.reuters.com/article/idUSN3116526620100201?type=marketsNews>

**Update: Sunoco to Permanently Shut its 145,000 b/d Eagle Point, New Jersey Refinery**

Sunoco idled the refinery late last year due to weak demand for refined products.

Reuters, 12:25 February 1, 2010

**Update: Marathon's 226,000 b/d Catlettsburg, Kentucky Refinery to Remain at Reduced Rates as Lock Problem Shuts Ohio River**

Damage on the main lock on the Ohio River caused its shutdown on January 27. According to a Marathon spokeswoman, a secondary lock which had reopened on Sunday had to be shut again and that precludes barges from leaving the refinery with refined fuels. The refinery will remain at reduced rates until barge traffic can resume. For more information on Ohio River Shutdown see related story below in "Other".

Reuters, 12:56 February 1, 2010

**Update: Repairs Complete to Coker at Valero's 325,000 b/d Port Arthur, Texas Refinery over Weekend**

The 100,000 b/d coking unit remained in operation during the repairs over the weekend.

Reuters, 11:54 February 1, 2010

**Leak Discovered at Flints Hills's 288,126 b/d Port Arthur, Texas Refinery January 30**

Operators discovered a leak in support line on the light olefins unit.

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=135196>

**Fire Briefly Shuts Crude Unit Murphy Oil's 34,300 b/d Superior, Wisconsin Refinery January 30**

The unit resumed normal operations after restarting a crude unit by February 1.

Bloomberg News, 13:20 February 1, 2010

**Compressor Problem at Valero's 180,000 b/d Memphis, Tennessee Refinery January 31**

The incident led to flaring at the refinery.

Bloomberg News, 12:01 February 1, 2010

**Update: Shell Restarts Five Units at its 329,800 b/d Deer Park, Texas Refinery January 31**

Shell is restarting the hydroprocessing unit, coker, gas oil hydrotreater, catalytic reformer, and the platformer.

Reuters, 17:26 January 31, 2010

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**Natural Gas**

Nothing to report.

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**Other News****Update: Barge Traffic Along Ohio River Shuts for Second Time in a Week January 31**

Shortly after traffic resumed on the Ohio River Sunday the Army Corps of Engineers shut an auxiliary chamber at the Greenup Locks in Kentucky on concerns that a gate was unstable. The main lock on Greenup was shut on January 27 when it was determined that the lock was damaged. Repairs to the main chamber of lock are expected to take 6 to 8 weeks. See Petroleum Section for more information.

Bloomberg News, 14:13 February 1, 2010

Reuters, 12:56 February 1, 2010

**Dayton Power and Light (DP&L) to Test Alternative Fuels at its Power Plants**

DP&L is testing the use of biofuels as source of fuel for its power plants as one option to meet renewable energy requirements outlined in recent legislation.

<http://finance.yahoo.com/news/The-Dayton-Power-and-Light-bw-3575558159.html?x=0&.v=1>

## Energy Prices

U.S. Oil and Gas Prices February 1, 2010			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	74.09	74.40	41.70
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	5.26	5.67	4.71

Source: Reuters

## Energy Notes

### **Failed Switch at Camp Creek Substation Knocks Out Power to 11,000 GreyStone Power Customers in Georgia January 31**

<http://www.11alive.com/news/local/story.aspx?storyid=140303&catid=8>

### **Control Valve Malfunction Causes Flaring at Shell's 329,800 b/d Deer Park, Texas Refinery January 31**

<http://www.11tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135200>

### **Compressor Problem Causes Flaring at Valero's 289,000 b/d Port Arthur, Texas Refinery January 31**

<http://www.11tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135218>

### **Process Upset Reported at WRB Refining's 146,000 b/d Borger Refinery in Texas January 30**

<http://www.11tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135192>

### **Lubes Extraction Unit Malfunctions at ExxonMobil's 572,500 b/d Baytown, Texas Refinery January 29**

Reuters, 17:19 January 29, 2010

### **Extreme Cold Weather Causes Flaring at Valero's 170,000 b/d McKee Refinery in Texas January 29**

Reuters, 17:55 January 29, 2010

### **Accident Injures Three at Chesapeake Energy's Mowrey Production Gas Well in Pennsylvania January 28**

<http://www.sungazette.com/page/content.detail/id/538638.html?nav=5014>

### **Turbine Shut Due to High Discharge Pressure at 160 MMcf/d Goldsmith Gas Plant in Texas January 31**

<http://www.11tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135216>

### **Equipment Problem at 70 MMcf/d Fullerton Gas Plant Leads to Flaring Events at Riley and Andrews Booster Stations in Texas January 30**

<http://www.11tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135201>

<http://www.11tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135183>

<http://www.11tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135185>

**Compressor Shut at Cedar Lake Booster Station in Texas January 31**  
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=135202>

**Iraq Exports Increased to 1.98 MMb/d in January 2010 from 1.977 MMb/d in December 2009 – State Oil Marketing Organization (SOMO)**  
Reuters, 05:58 January 30, 2010

**Mexico's 274,000 b/d Coatzacoalcos and 113,000 b/d Dos Bocas Oil Port in the Gulf of Mexico Shut January 31 due to Bad Weather, Reopens by February 1**  
Reuters, 17:20 January 31, 2010  
Reuters, 11:02 February 1, 2010

**Security Agencies Foiled Bomb Attempt on Crude Pipeline in Yemen January 31– Yemeni Interior Ministry**  
[http://news.xinhuanet.com/english2010/world/2010-02/01/c\\_13158161.htm](http://news.xinhuanet.com/english2010/world/2010-02/01/c_13158161.htm)

**Vandals Attempt to Steal Oil from Shell Pipeline in Nigeria February 1, Movement for the Emancipation of the Niger Delta (MEND) Denies Direct Involvement**  
[http://online.wsj.com/article/SB10001424052748704107204575039030015350018.html?mod=WSJ\\_latestheadlines](http://online.wsj.com/article/SB10001424052748704107204575039030015350018.html?mod=WSJ_latestheadlines)  
Bloomberg, 10:20 February 1, 2010

**Nigeria Militant Group Movement for the Emancipation of the Niger Delta (MEND) Ends Three-Month Ceasefire on Oil Facilities in Nigeria**  
Reuters, 21:08 January 29, 2010

**Fire Reported Under Control at Crude Oil Storage Tank in Kuwait, Incident had No Impact on Production**  
Reuters, 06:06 February 1, 2010

## **Links**

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***This Week in Petroleum*** from the Energy Information Administration (EIA)  
<http://tonto.eia.doe.gov/oog/info/twip/twip.asp>  
Updated every Wednesday.

***Weekly Petroleum Status Report*** from EIA  
[http://www.eia.doe.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://www.eia.doe.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://tonto.eia.doe.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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