



# ENERGY ASSURANCE DAILY

Wednesday Evening, January 28, 2009

## Major Developments

### Update: Ice Storms Cut Power to Over 1.3 Million Customers Across U.S. Midwest January 27-28

Snow and ice storms across the U.S. Midwest knocked out power to approximately 1,313,015 customers in states from Oklahoma to Pennsylvania. Heaviest hit states include Arkansas, Kentucky and Ohio with officials at E.ON U.S., which owns Louisville Gas and Electric as well as Kentucky Utilities Company, still assessing the damage as the number of customer outages continues to grow. As of most recent reports, the number of customers without electric service across the U.S. Midwest remains over 1 million. The following table lists peak and latest reported outage figures, based on multiple sources.

U.S. Midwest Customer Outages			
January 27-28, 2009			
Electric Utility	State	Peak	Latest Reported
Arkansas Electric Cooperatives	AR	300,000	187,000
Energy Arkansas	AR	110,324	106,403
AEP SWEPCO	AR	59,000	47,703
Kentucky Utilities	KY	176,000	176,000
Louisville Gas & Electric	KY	100,000	100,000
AEP Kentucky Power	KY	32,372	32,372
Duke Energy	KY	17,445	7,448
Owen Electric Cooperative	KY	14,308	14,308
AEP Ohio	OH	124,118	124,118
Duke Energy	OH	42,626	34,156
South-Central Power	OH	27,912	25,471
Duke Energy	IN	67,797	44,298
Jackson REMC	IN	4,000	4,000
Missouri Electric Cooperatives	MO	63,000	63,000
Ameren	MO	35,964	35,692
Appalachian Power	WV	46,217	45,979
Allegheny	WV	7,644	7,644
Oklahoma Electric Cooperatives	OK	38,788	25,326
OG&E	OK	10,500	2,761
AEP Oklahoma	OK	1,500	0
Ameren	IL	11,772	6,994
Appalachian Power	VA	8,829	8,829
Knoxville Utilities Board	TN	6,589	32
Allegheny	PA	6,310	6,310
<b>TOTAL*</b>		<b>1,313,015</b>	<b>1,105,844</b>

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

Sources:

Arkansas Electric Cooperatives:

[http://www.aecc.com/files/electric\\_cooperatives\\_of\\_arkansas\\_deal\\_with\\_ice\\_storm\\_disaster.pdf](http://www.aecc.com/files/electric_cooperatives_of_arkansas_deal_with_ice_storm_disaster.pdf)

Entergy Arkansas: <http://www.energy-arkansas.com/outages/ar.aspx>

AEP SWEPSCO: <http://www.swepco.com/news/outages/>

Kentucky Utilities: <http://www.eon-us.com/storm/default.asp>

Louisville Gas & Electric: <http://www.eon-us.com/storm/default.asp>

AEP Kentucky Power: <http://www.kentuckypower.com/news/outages/>

Duke Energy-Kentucky: <http://www.duke-energy.com/kentucky/outages/current.asp>

Owen Electric Cooperative: <http://psc.ky.gov/ors/OutageReport.aspx>

AEP Ohio: <http://www.aepohio.com/news/outages/default.asp>

Duke Energy-Ohio: <http://www.duke-energy.com/ohio/outages/current.asp>

South-Central Power: [http://www.southcentralpower.com/OW/ow\\_map.aspx?county=0](http://www.southcentralpower.com/OW/ow_map.aspx?county=0)

Duke Energy-Indiana: <http://www.duke-energy.com/indiana/outages/current.asp>

Jackson REMC: <http://www.jacksonremc.com/outages.htm>

Missouri Electric Cooperatives: <http://sema.dps.mo.gov/SitReps/2009/SITREP%2001282009%2012%20pm.pdf>

Ameren Missouri: [http://www.ameren.com/Outage/ADC\\_MissouriOutageInformation.asp](http://www.ameren.com/Outage/ADC_MissouriOutageInformation.asp)

Appalachian Power: <http://www.appalachianpower.com/news/outages/default.asp>

Allegheny Power: [http://app.alleghenyenergy.com/outagestatus/OMS\\_Customer\\_Option.aspx](http://app.alleghenyenergy.com/outagestatus/OMS_Customer_Option.aspx)

Oklahoma Electric Cooperatives:

[http://www.ok.gov/OEM/Emergencies\\_&\\_Disasters/2009/Winter\\_Weather\\_Event\\_20090126-6.html](http://www.ok.gov/OEM/Emergencies_&_Disasters/2009/Winter_Weather_Event_20090126-6.html)

OG&E: <http://www.oge.com/systemwatch/>

AEP Oklahoma: <http://www.psoklahoma.com/news/outages/default.asp>

Ameren Illinois: [http://www.ameren.com/Outage/ADC\\_IllinoisOutageInformation.asp](http://www.ameren.com/Outage/ADC_IllinoisOutageInformation.asp)

Knoxville Utilities Board: [http://www.kgis.org/website/kub\\_outage/mainpage.htm](http://www.kgis.org/website/kub_outage/mainpage.htm)

Reuters, 11:54 January 28, 2009

## ***Electricity***

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### **Progress's 838 MW Crystal River Nuke-fired Unit in Florida Shut by January 27**

The reactor was shut manually following the loss of both a feedwater booster pump and a condensate pump.

According to the Nuclear Regulatory Commission, the unit was operating at 100 percent on January 27.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Bloomberg News, 08:03 January 28, 2009

Reuters, 10:36 January 28, 2009

### **Cabrillo Power's 330 MW Encina Gas-fired Unit 5 in California Shut by January 27**

According to the California Independent System Operator, the unit experienced an unplanned outage on January 27.

<http://www.caiso.com/unitstatus/data/unitstatus200901271515.html>

### **AEP's 690 MW Oklaunion Coal-fired Unit in Texas Shut by January 28**

Reuters, 10:36 January 28, 2009

### **Tenaska's 325 MW High Desert Gas-fired Unit in California Shut by January 27**

Reuters, 10:36 January 28, 2009

### **Update: Exelon's 1,093 MW Peach Bottom Nuke Unit 3 in Pennsylvania Ramped Up to 55 Percent by January 28**

The company shut the unit on January 21 to replace a main power transformer. According to the Nuclear Regulatory Commission, the unit was operating at 10 percent on January 27.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Bloomberg News, 08:40 January 28, 2009

Reuters, 07:53 January 28, 2009

### **OPG's 535 MW Lennox 3 Oil/Gas-fired Unit in Ontario Shut by January 28**

Reuters, 10:36 January 28, 2009

## **Duke Energy's 510 MW Moss Landing Gas-fired Unit 2 in California Returns to Service by January 27**

The California Independent System Operator reported the unit returned from an unplanned curtailment of 260 MW.  
<http://www.caiso.com/unitstatus/data/unitstatus200901271515.html>

## **National Grid to Spend up to \$1.7B on U.S. Power Projects over Next Five Years**

According to a company press release, National Grid expects to spend up to \$1.7 billion over the next five years to improve its electric transmission system in New York and New England. The company awarded contracts to design and build substations and transmission lines to two joint ventures; NorthEast Power Alliance for work in New York and New Energy Alliance for work in New England.

<http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUSN2746676320090127>  
[http://www.nationalgridus.com/aboutus/a3-1\\_news2.asp?document=3895](http://www.nationalgridus.com/aboutus/a3-1_news2.asp?document=3895)

## **Wind Energy Grows by Record 8,300 MW in 2008, American Wind Energy Association Reports**

According to the American Wind Energy Association (AWEA) the U.S. wind energy industry installed 8,358 MW of new generating capacity in 2008, surpassing all previous records. The top five states in terms of capacity installed are: Texas with 7,116 MW, Iowa with 2,790 MW, California with 2,517 MW, Minnesota with 1,752 MW, and Washington with 1,375 MW installed. The Association warns of an uncertain 2009 outlook due to continuing adverse economic conditions.

[http://www.awea.org/newsroom/releases/wind\\_energy\\_growth2008\\_27Jan09.html](http://www.awea.org/newsroom/releases/wind_energy_growth2008_27Jan09.html)

## ***Petroleum***

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### **Explosion, Fire Damage Petro-Canada's 135,000 b/d Edmonton, Alberta Refinery late January 27**

An explosion and fire that occurred at Petro-Canada's Edmonton refinery late January 27 was extinguished within two hours, authorities and company officials report. The plant continued to produce fuel after the blaze was extinguished and no injuries have been reported. The company has yet to determine the cause of the explosion or the extent of the damages. According to an unconfirmed report, the incident took place in a naphtha processing unit.

<http://uk.reuters.com/article/businessIndustry/idUKTRE50R14V20090128?sp=true>

### **Update: Four New Coke Drums Arrive at Total's 232,000 b/d Port Arthur, Texas for Deep Conversion Project**

The \$2.2B Deep Conversion Project includes a 50,000 b/d coker, a desulfurization unit, a vacuum distillation unit among other related units.

[http://www.downstreamtoday.com/News/Articles/200901/Coke\\_Drums\\_Arrive\\_At\\_Total\\_Port\\_Arthur\\_P\\_14844.aspx](http://www.downstreamtoday.com/News/Articles/200901/Coke_Drums_Arrive_At_Total_Port_Arthur_P_14844.aspx)

### **Valero Temporarily Shutting 199,500 b/d Texas City, Texas Refinery**

Valero Energy says it will close its refinery in Texas City, Texas, two other crude units and a fluid catalytic cracking unit in Corpus Christi, Texas, for about 40 days. The shutdown was attributed to scheduled maintenance, logistics and economic conditions.

[http://www.smartbrief.com/news/api/storyDetails.jsp?issueid=2CEDACB9-2668-40A4-833F-F51B3F10AEC1&copyid=9DEEF191-A036-43B9-81A2-471435FB4C74&brief=api&sb\\_code=rss&&campaign=rss](http://www.smartbrief.com/news/api/storyDetails.jsp?issueid=2CEDACB9-2668-40A4-833F-F51B3F10AEC1&copyid=9DEEF191-A036-43B9-81A2-471435FB4C74&brief=api&sb_code=rss&&campaign=rss)  
<http://www.tradingmarkets.com/.site/news/Stock%20News/2145388/>

### **Update: FCC Unit 3 Returns to Service at ExxonMobil's 567,000 b/d Baytown, Texas Refinery**

The fluidized catalytic cracking Unit 3 was removed from service on January 26 after it tripped offline causing flaring. The unit underwent changes in feed streams to an alkylation unit and has been placed back into service. Bloomberg News, 10:55 January 28, 2009

## Natural Gas

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### **El Paso Files Application with FERC to Build 675-mile, 42-inch 1.5 Bcf/d Ruby Pipeline**

El Paso Corporation announced January 27 it has filed an application with the Federal Energy Regulatory Commission (FERC) to construct and operate the Ruby Pipeline, a proposed 675-mile, 42-inch interstate natural gas pipeline to deliver natural gas from multiple Rocky Mountain basins to Nevada, California, and Pacific Northwest markets. Ruby is expected to have an initial design capacity of up to 1.5 Bcf/d.

<http://investor.elpaso.com/phoenix.zhtml?c=97166&p=irol-newsArticle&ID=1248963&highlight=>

## Other News

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### **Update: Husker Ag Resumes Production at its 75 MMGal/yr Ethanol Production Facility in Plainview, Nebraska January 26**

The chairman of the company announced January 26 that the plant began receiving grain again following a temporary shutdown instituted on January 7 due to financial concerns. Husker Ag reached an agreement with farmers to amend corn contracts so a portion of the contracts price can be paid over a period of years rather than immediately.

<http://www.norfolkdailynews.com/main.asp?SectionID=3&SubSectionID=104&ArticleID=14479>

Dow Jones Newswire, 11:41 January 28, 2009

## Energy Prices

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<b>U.S. Oil and Gas Prices</b>			
January 28, 2009			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	41.91	41.30	89.79
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.76	4.86	7.80

Source: Reuters

## Energy Notes

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### **ComEd Seeks 10,000 Customers to Participate in 3-Month Outage Alert Pilot Program to Determine How to Make Outage Information Available Via Text Message**

<http://www.comed.com/customerservice/outage/alerts.htm>

### **Constellation Energy Commences Commercial Operation of 80 MW Grand Prairie Gas-fired Peaking Plant in Alberta**

<http://ir.constellation.com/releasedetail.cfm?ReleaseID=361949>

### **ExxonMobil Reports Operations will Continue at its 348,500 b/d Beaumont, Texas Refinery if Workers Proceed with Strike**

[http://www.beaumontenterprise.com/news/local/exxonmobil\\_not\\_leaving\\_plant\\_operations\\_to\\_chance\\_in\\_face\\_of\\_possible\\_strike\\_01-27-2009.html](http://www.beaumontenterprise.com/news/local/exxonmobil_not_leaving_plant_operations_to_chance_in_face_of_possible_strike_01-27-2009.html)

### **Lyondell Chemical Company Reports Operations will Continue at its 270,600 b/d Houston, Texas Refinery if Workers Proceed with Strike**

Bloomberg News, 12:54 January 28, 2009

## Fire Reported at PdVSA's 940,000 b/d Paraguana, Venezuela Refining Complex

January 25, Production and Exports Unaffected

Bloomberg News, 11:11 January 28, 2009

## U.S Senate Finance Committee Passes Tax Stimulus Bill that Expands Tax Credits for Renewable Energy

<http://www.platts.com/Oil/News/9835625.xml?p=Oil/News&sub=Oil>

## Update: Alaska Department of Natural Resources Reinstates Two of 31 Disputed Point Thompson Oil Well Leases in North Slope Field to ExxonMobil

<http://newsminer.com/news/2009/jan/27/alaska-reinstate-two-point-thomson-leases/>

## Update: State of Oregon Files Request Asking Federal Appeals Court to Overturn Site Approval for Proposed Bradwood LNG Terminal Along Columbia River in Oregon

[http://seattletimes.nwsourc.com/html/localnews/2008676499\\_aporbradwoodlanding.html](http://seattletimes.nwsourc.com/html/localnews/2008676499_aporbradwoodlanding.html)

## Russia's Gazprom may Expand Proposed 1,095 Bcf/yr South Stream Natural Gas Pipeline by 565 Bcf/yr Due to Growing Demand, CEO Medvedev Says

<http://www.platts.com/Natural%20Gas/News/8316475.xml?p=Natural%20Gas/News&sub=Natural%20Gas>

## Brazil Ethanol Exports Up 45 Percent in 2008 Over 2007, Ministry of Mines and Energy Reports

<http://ethanol-news.newslib.com/story/6938-30964/>

## 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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