



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

ENERGY ASSURANCE DAILY

Thursday Evening, January 29, 2009

Major Developments

Update: Over 1 Million Customers Remain Without Power across U.S. Midwest Due to Ice Storms January 27-29

Snow and ice storms across the U.S. Midwest knocked out power to approximately 1,523,315 customers in states from Oklahoma to Pennsylvania. Heaviest hit states include Arkansas, Kentucky, and Ohio. President Obama has declared Kentucky a federal disaster area and the state has deployed National Guard troops to help with relief efforts. FirstEnergy has sent personnel to assist in electrical restoration in areas of Kentucky and Ohio. As of most recent reports, utilities report 1,076,845 customers remain without power. The following table lists peak and latest reported outage figured, based on multiple sources.

U.S. Midwest Customer Outages January 27-29, 2009			
Electric Utility	State	Peak	Latest Reported
Arkansas Electric Cooperatives	AR	300,000	178,040
Entergy Arkansas	AR	110,324	102,004
AEP SWEPCO	AR	59,000	41,558
Louisville Gas & Electric	KY	205,000	183,000
Kentucky Utilities	KY	180,000	180,000
AEP Kentucky Power	KY	32,372	24,860
Duke Energy	KY	17,445	12,805
Owen Electric Cooperative	KY	14,308	7,450
AEP Ohio	OH	124,118	86,000
Duke Energy	OH	42,626	12,805
South-Central Power	OH	27,912	13,073
Missouri Electric Cooperatives	MO	63,000	53,000
Ozark Electric Cooperative	MO	45,300	0
Ameren	MO	35,964	33,208
Duke Energy	IN	67,797	33,388
Vectren Energy	IN	56,000	56,000
Jackson REMC	IN	4,000	4,000
Appalachian Power	WV	46,217	27,086
Allegheny Power	WV	7,644	2,525
Oklahoma Electric Cooperatives	OK	38,788	19,844
OG&E	OK	10,500	1,408
AEP Oklahoma	OK	1,500	0
Ameren	IL	11,772	4,670
Appalachian Power	VA	8,829	114
Knoxville Utilities Board	TN	6,589	0
Allegheny Power	PA	6,310	7
TOTAL*		1,523,315	1,076,845

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

Sources:

Arkansas Electric Cooperatives <http://www.aecc.com/files/pdf/newsrelease/2009/012909a.pdf>

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

AEP SWEPCO: <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>

Ozark Electric Cooperative: <http://www.ozarkelectric.com/outagebycounty.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

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

Vectren Energy: <http://www.insideindianabusiness.com/newsitem.asp?ID=33710#middle>

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

Missouri Electric Cooperatives: <http://sema.dps.mo.gov/SitReps/2009/SITREP%2001292009%2011%20am.pdf>

Ameren Missouri: 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

Oklahoma Electric Cooperatives:

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

Knoxville Utilities Board: http://www.kgis.org/website/kub_outage/mainpage.htm

<http://www.bizjournals.com/cincinnati/stories/2009/01/26/daily59.html>

<http://finance.yahoo.com/news/FirstEnergy-Crews-Assisting-prnews-14198189.html>

Electricity

Luminant's 750 MW Martin Lake Coal-fired Unit 3 in Texas Shut December 28

Reuters, 19:31 January 28, 2009

OPG's 490 MW Nanticoke Coal-fired Unit 2 in Ontario Shut January 29

The unit was shut for work early today. Electricity traders guessed the unit would be back online within a week.

Reuters, 10:01 January 29, 2009

Update: Exelon's 1,093 MW Peach Bottom Nuke Unit 3 in Pennsylvania Ramped Up to 91 Percent by January 29

The Nuclear Regulatory Commission reported that on the morning of January 28 the unit was operating at 55 percent.

Information derived from the NRC Power Reactor Status Reports:

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

Update: Progress Energy's 834 MW Crystal River Nuke Unit 3 in Florida Ramped Up to 24 Percent by January 29

The Nuclear Regulatory Commission reported that on the morning of January 28 the unit was not operating.

Information derived from the NRC Power Reactor Status Reports:

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

OPG's 494 MW Lambton Coal-fired Unit 1 in Ontario Returned to Service and Began to Ramp up January 29

The unit was shut by January 28.

Reuters, 07:59 January 29, 2009

Update: AEP's 1,030 MW Cook Nuke Unit 1 in Michigan to Return to Service Late Third Quarter or Early Fourth Quarter 2009

The unit went out of service on September 20, 2008 after vibrations caused a hydrogen leak that resulted in a fire.
Dow Jones News, 10:14 January 29, 2009

Petroleum

Magellan's 135,000 b/d Osage Crude Pipeline at 80 Percent after Leak

According to DOT's Office of Pipeline and Hazardous Materials Safety, the Osage Pipeline reported a leak on Sunday. The pipeline was reported as restarting to a flowing capacity of 80 percent on Wednesday, with no set date for full recovery. The pipeline runs 135 miles from Oklahoma to Kansas.

http://www.downstreamtoday.com/News/Articles/200901/Osage_Pipeline_At_After_Leak_14872.aspx

Update: Big West of California May Idle 66,000 b/d Bakersfield, California Refinery Indefinitely

The refinery has been financially troubled as management announced on Wednesday that they have not been able to cut a deal with crude suppliers to keep the facilities operating. Big West of California's parent company, Flying J, filed for bankruptcy by December 22, and began shutting down operations in late December after suppliers stiffened credit terms, and it didn't have the cash to purchase crude.

<http://www.latimes.com/business/la-fi-bigwest29-2009jan29,0,1802752.story>

Tesoro to Shut Hydrocracker at 166,000 b/d Golden Eagle Refinery in California in February

Tesoro plans to shut the 30,000 b/d unit due to a decreased demand for diesel in California.
Dow Jones News, 10:58 January 29, 2009

Shell to Postpone Upgrading Mars Platform in Gulf of Mexico

Shell also plans on postponing developing the Pierce Field in the North Sea in anticipation of declining industry costs.

Bloomberg News, 07:21 January 29, 2009

Update: ExxonMobil to Restart FCCU at its 567,000 b/d Baytown, Texas Refinery January 29

The unit was shut due to a malfunction on January 25.

Bloomberg News, 06:01 January 29, 2009

Update: Hydrotreater at BP's 265,000 b/d Los Angeles, California Refinery Returned to Service January 28

Sources familiar with refinery operations confirmed today that the unit was restored. The hydrotreater was shut early last week for unplanned repairs.

Reuters, 12:18 January 29, 2009

Natural Gas

Cold Weather Freezes Field Gathering System at 290 MMcf/d Waha Gas Plant in Texas January 28

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=119464>

Compressor Failure at 147 MMcf/d Yates Gas Plant in Texas January 28

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=119451>

Other News

Nothing to Report.

Energy Prices

U.S. Oil and Gas Prices January 29, 2009			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	41.89	40.02	90.95
NATURAL GAS Henry Hub \$/Million Btu	4.84	4.87	7.87

Source: Reuters

Energy Notes

Flaring at ExxonMobil's 348,500 b/d Beaumont, Texas Refinery January 28

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=119465>

Valero's 275,000 b/d Aruba Refinery, which Was on the Market for Over a Year, May Close due to Failure to Find Buyer

<http://www.radionetherlands.nl/news/international/6155233/Oil-refinery-on-Aruba-may-close>

Flaring at Alon's 67,000 b/d Big Spring, Texas Refinery January 28

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=119434>

Equipment Failure at Crane Booster Station in Texas January 28

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=119463>

USCG Escorts Oil Tanker Heading to Ecuador Back to Port of San Francisco, California after Losing Power January 27

<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2009/01/28/BABI5IFVI.DTL>

NewGen Fuel Plans to Install Pumps at 1,000 Gas Stations Across United States that will Allow Customer to Choose Amount of Ethanol to be Blended into their Gasoline

<http://www.kansascity.com/business/story/1006207.html>

OPEC Crude Exports, Excluding Angola and Ecuador, to Decrease 160,000 b/d to 23.55 MMb/d – Analyst

Reuters, 11:33 January 29, 2009

Update: Workers May Strike at Shell's 329,800 b/d Deer Park Refinery, Lyondell's 270,600 b/d Houston Refinery, BP's 460,000 b/d Texas City Refinery and Pasadena's 100,000 b/d Pasadena Refinery in Texas on February 1

<http://www.chron.com/dispatch/story.mpl/front/6235767.html>

California Public Utilities Commission Reports Strong Demand for Solar Panels

<http://news.morningstar.com/newsnet/ViewNews.aspx?article=/DJ/200901281804DOWJONESDJONLINE000822univ.xml>

FERC Reports Increasing Utility Investment in Smart Grid Technologies

http://apps1.eere.energy.gov/news/news_detail.cfm/news_id=12209

Links

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

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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