



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

ENERGY ASSURANCE DAILY

Thursday Evening, February 12, 2009

Major Developments

Wind Storm Knocks Out Power to Over 1 Million Customers in the Eastern U.S. February 11

High winds knocked down transmission lines and left 1,372,426 customers without power in states from Ohio, Kentucky and Tennessee through to the Middle Atlantic. Approximately 463,290 customers remain without power. Utilities in Kentucky were still restoring power to over 60,000 due to ice storms that hit the area two weeks ago when the new storm struck. The following table lists peak outages and restoration figures, based on latest available numbers.

Eastern U.S. Customer Power Outages February 11-12, 2009			
Electric Utility	State	Peak	Latest Reported
AEP	OH	167,500	86,946
Ohio Edison	OH	152,000	41,000
Duke Energy	OH	76,305	2,065
Cleveland Electric Illuminating	OH	68,000	50,000
Dayton Power and Light	OH	60,000	4,000
South Central Power	OH	22,370	3,558
Toledo Edison	OH	19,600	2,800
Kentucky Utilities	KY	44,000	7,000
Kenergy	KY	10,960	9,821
Kentucky Coops	KY	22,000	22,000
AEP	KY	38,800	24,800
Louisville Gas & Electric	KY	37,000	9,000
Duke Energy	KY	8,828	33
Appalachian Power	WV	85,000	35,992
NYSEG & RG&E	NY	45,000	25,000
National Grid	NY	31,280	19,012
LIPA	NY	8,344	3,207
Knoxville Utilities Board	TN	49,234	4,681
Volunteer Energy Cooperative	TN	12,000	2,600
Nashville Electric	TN	8,818	45
Greenville Light and Power System	TN	4,000	1,000
Duke Energy	IN	43,965	1,433
AEP	IN	21,000	2,236
Indianapolis Power and Light	IN	6,000	445
Penelec	PA	97,000	49,000
Duquesne	PA	44,000	15,000
Pennsylvania Power	PA	27,500	9,000
PPL	PA	23,451	15,525
Metropolitan Edison	PA	9,700	7,300
Delmarva Power	MD	1,800	1,174
Baltimore Gas & Electric	MD	45,170	6,176
Pepco	MD	3,850	1,480
Dominion	VA	16,059	3,461
Appalachian Power	VA	12,000	0

Jersey Central Power and Light	NJ	17,000	6,000
Atlantic City Electric	NJ	5,016	1,022
Public Service Electric and Gas	NJ	4,800	4,800
Ameren	IL	14,590	338
Connecticut Light and Power	CT	8,486	3,352
TOTAL*		1,372,426	463,290

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

Sources:

AEP Ohio:

<http://www.aepohio.com/news/outages/viewstorm.asp?stormName=February%2011%20Ohio%20Wind%20Storm>

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

Dayton Power and Light: <http://www.waytogo.com/>

First Energy: http://www.wtte28.com/template/inews_wire/wires.regional.oh/288ed4bd-www.wtte28.com.shtml

South Central Power: http://www.southcentralpower.com/OW/ow_map.aspx?county=0

Kentucky Coops: http://psc.ky.gov/ors/PublicInfo_OutageIncidents.aspx

Kenergy: <http://www.kenergycorp.com/news/newsdetail.aspx?itemID=53>

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

AEP:

<http://www.kentuckypower.com/news/outages/viewstorm.asp?stormName=Feb.%2011%20Wind/Thunder%20Storm>

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

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

Appalachian Power:

<http://www.appalachianpower.com/news/outages/viewstorm.asp?stormName=Feb.%2011%20Wind%20Storm>

NYSEG: <http://www.nyseg.com/OurCompany/News/2009/021209storm11am.html>

National Grid: <https://www1.nationalgridus.com/niagaramohawk/storm/OutagesByCounty.aspx>

Long Island Power Authority (LIPA): <http://www.lipower.org/stormcenter/outages/township.html>

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

Volunteer Energy Cooperative: <http://www.vec.org/article.aspx?categID=6&articleID=836>

Nashville Electric: <http://www.nespower.com/OutageMap/>

Greenville Light and Power System: <http://www.greenevillesun.com/story/301358>

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

AEP Indiana:

<http://www.indianamichiganpower.com/news/outages/viewstorm.asp?stormName=February%20Wind%20Storm>

Indianapolis Power and Light:

<http://www.iplpower.com/ipl/index?page=IPLGeneral&Menu=04080000&DocID=0203917431b9011a564c24930071c8>

Duquesne:

<http://www.duquesnelight.com/codeincludes/ImportantOutageInfo.cfm?CFID=15113335&CFTOKEN=92540671>

PPL: <http://www.pplelectric.com/Outage+Center>

Delmarva Power: <http://www.delmarva.com/home/emergency/maps/outage/>

Baltimore Gas & Electric: <http://www.bge.com/portal/site/bge/menuitem.42d31413f80c584606370f10d66166a0>

Pepco: <http://www.pepco.com/home/emergency/maps/stormcenter/>

Dominion: http://www.dom.com/news/outage_sos.jsp

Jersey Central Power & Light:

http://www.philly.com/philly/wires/ap/news/state/new_jersey/20090212_ap_windwhippedtreeskill2innj.html

Atlantic City Electric: <http://www.atlanticcityelectric.com/home/emergency/maps/outage/>

Public Service Electric & Gas:

http://www.philly.com/philly/wires/ap/news/state/new_jersey/20090212_ap_windwhippedtreeskill2innj.html

Ameren Illinois: <https://www2.ameren.com/outagemap/default.aspx?state=IL>

Connecticut Light and Power (CL&P): <http://www.cl-p.com/outage/default.aspx>

http://www.columbusdispatch.com/live/content/local_news/stories/2009/02/12/amorewather.html?sid=101

Update: State Regulators Approve South Carolina Electric Gas & Company's Proposed Nuke Units at Santee Cooper Power Plant

The company plans two 600 MW nuclear reactors at the existing power facility to meet increasing electricity demand and projected power shortages within five years. The project still awaits approval from federal regulators.

<http://www.charleston.net/news/2009/feb/11/state oks nukes rates rise71339/>
<http://finance.yahoo.com/news/SC-governor-Proposed-power-apf-14329760.html>

Consumers Energy Delays Start of Proposed 800 MW Bay County Coal-fired Power Plant in Michigan

Ground-breaking on the project is now estimated to begin in 2013, instead of 2012. Consumers Energy now expects the Bay County project to begin operation in 2017. The delays are due to a recent directive by Governor Granholm to re-evaluate five pending air permits for the project.

http://www.mlive.com/news/bay-city/index.ssf/2009/02/new_bay_county_power_plant_del.html

Tests Conducted by APS Determine Shutdown of Three Nuclear Reactors at its 3,875 MW Palo Verde Plant in Arizona Unnecessary

On February 11, APS filed a report with NRC that its atmospheric dump valves were inoperable and the backup nitrogen capacity was inadequate, prompting a proposed shutdown of the units. A spokesman said that engineers re-ran calculations on February 12 and determined that the safety margins built into the system were accurate and the plant will remain fully operational.

Reuters, 08:14 February 12, 2009

Update: Groups Oppose Entergy's Plans to Convert 1,250 MW Little Gypsy Coal-fired Plant to Run on Petroleum Coke

The Alliance for Affordable Energy and the Sierra Club claim that Entergy failed to adequately account for the potential cost of carbon emission control legislation, which will increase overall costs of the fuel switch.

http://blog.nola.com/tpmoney/2009/02/report_says_little_gypsy_will.html

Entergy's 653 MW Pilgrim Nuke Unit 1 in Massachusetts Reduced to 56 Percent by February 12

The Nuclear Regulatory Commission reported that on the morning of February 11 the unit was operating at full power. A problem at a switchyard in Whitman, Massachusetts forced Entergy to reduce output at the power plant.

Bloomberg News, 12:25 February 12, 2009

Information also 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 2 in Ontario Shut by February 12

Reuters, 11:50 February 12, 2009

Update: Delta Energy Center's 861 MW Delta Energy Center Gas-fired Unit in California Returns to Service February 11

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

<http://www.caiso.com/unitstatus/data/unitstatus200902111515.html>

Update: TXU's 750 MW Martin Lake Coal-fired Unit 1 in Texas Returns to Service February 11

The unit was shut to repair a boiler tube leak.

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=119882>

Update: OPG's 500 MW Pickering Nuke Unit 1 in Ontario Restarts February 12

The unit is now production 65 MW. The unit was shut on January 30 for repairs.

Bloomberg News, 07:46 February 12, 2009

Petroleum

Shell Declares Force Majeure at its Bonny Oil Terminal in Nigeria for February and March

On February 10, Shell declared force majeure as a “precautionary measure” amid growing security concerns. Shell is prepared to evacuate staff in the Niger Delta following threats from the Movement for the Emancipation of the Niger Delta (MEND) in increase attacks on oil facilities in the region.

<http://www.platts.com/Oil/News/8353493.xml?p=Oil/News&sub=Oil>

Crude Vacuum Unit Shut at Citgo’s 156,000 b/d Corpus Christi, Texas Refinery February 11

The unit is being shut to repair a pinhole leak on a line.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=120029>

Power Failure at Valero’s 289,000 b/d Port Arthur, Texas Refinery February 12

The refinery experienced a plant-wide power outage, which led to flaring.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=120089>

Natural Gas

Midcontinent Express Files with FERC for 300,000 MMcf/d Expansion of its Mammoth Pipeline Project

The proposed pipeline will transport natural gas from shale productions in Texas, Arkansas and Oklahoma.

NGI’s Daily Gas Price Index February 12, 2009

<http://intelligencepress.com/>

Excessive Pressure Led to Shutdown of 290 MMcf/d Waha Gas Plant in Texas February 12

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=120064>

Emergency Shutdown of 265 MMcf/d La Gloria Gas Plant in Texas February 12

The plant was shut after mechanical inspections discovered extreme thinning of piping.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=120073>

Other News

Secretary of Energy Chu Says Solving Dependence on Fossil Fuels and Climate Change Problems Requires A “Revolution” In Science and Technology

Dr. Chu discussed the need for breakthroughs in electric batteries, solar power, and development of new crops that can be turned into fuel.

http://www.nytimes.com/2009/02/12/us/politics/12chu.html?_r=2&scp=1&sq=%2b%22Energy+Department%22+-%22Atomic+Energy+Department%22+-%22Minerals+and+Energy+Department%22&st=nyt

Energy Prices

U.S. Oil and Gas Prices February 12, 2009			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	35.22	40.24	93.12
NATURAL GAS Henry Hub \$/Million Btu	4.68	5.01	8.38

Source: Reuters

Energy Notes

Study by Environmental Defense Fund Finds Barnett Shale Oil and Gas Production in Texas Emits as Air Pollution as Vehicles — but Says Problem Can be Addressed with “off-the-Shelf Technology

<http://www.dallasnews.com/sharedcontent/dws/dn/latestnews/stories/021109dnmetsmog.3ac6797.html>

Flaring Units Malfunction at ConocoPhillips’s 247,000 b/d Sweeny, Texas Refinery
February 12

Bloomberg News, 01:59 February 12, 2009

Update: Workers May Strike at Sunoco’s 190,000 b/d Marcus Hook, Delaware Refinery when Union’s Contract Expires on March 1

Bloomberg News, 11:09 February 12, 2009

Train Derailment Involving Nine Tank Cars in Ontario, Canada, One Tank Car Contains 80,000 Liters of Gasoline, February 11

<http://www.thespec.com/News/Local/article/512212>

No Units Affected at Pemex’s Lazaro Cardenas Refinery in Mexico after Cooling Tower Explosion

Bloomberg News, 07:47 February 12, 2009

OPEC to Decrease Crude Shipments by 3.5 Percent in February and Load 22.75 MMb/d in Four Weeks to February 28 – Oil Movements

Bloomberg News, 11:30 February 12, 2009

Global Oil Demand to Decrease 1.2 Percent in 2009, Biggest Annual Drop in 27 Years – IEA

<http://online.wsj.com/article/SB123434725702072367.html>

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.

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

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