



# ENERGY ASSURANCE DAILY

Tuesday Evening, January 07, 2014

## Electricity

### Over 40,000 Customers Remain Without Power Across Central and Eastern U.S. After Extreme Cold, Winter Storms

Frigid temperatures, high winds, and snow caused approximately 164,000 customers to lose power from Texas to Indiana, and also in Maine on Sunday and Monday. As of 4 p.m. EST Tuesday, electric utilities reported over 40,000 customers remained without power in their affected service territories. South Carolina Electric and Gas (SCE&G) reported over 52,000 customers without power and said due to the extremely cold weather, it experienced high demand on its electric system and lost part of its generating capacity at several of its power plants. In order to protect the stability of the electric system and to continue to meet customers' needs, SCE&G implemented rolling blackouts throughout its service territory. As of 4 p.m. EST, SCE&G reported 772 customers remained without power.

Cold Weather and Winter Storm Power Outages			
January 7, 2014			
Electric Utility	State	Affected	Latest Reported
Entergy Arkansas	AR	9,000	1,543
Georgia Power	GA	N/R	2,479
Ameren Illinois	IL	12,365	59
Commonwealth Edison	IL	22,846	27
Duke Indiana	IN	20,000	431
Indiana Michigan Power	IN	3,378	0
Indianapolis Power and Light	IN	65,000	10,737
South Central Indiana REMC	IN	6,664	6,757
Central Maine Power	ME	8,500	624
Emera Maine*	ME	3,571	795
Ameren Missouri	MO	11,000	635
Duke North Carolina	NC & SC	5,500	3,701
Toledo Edison, Ohio Edison, and Illuminating Company	OH	1,988	509
South Carolina Electric and Gas	SC	52,151	772
CenterPoint Energy	TX	N/R	1,178
Oncor	TX	9,000	6,871
Potomac Edison and Mon Power	WV	4,171	1,407
AEP - Appalachian	VA	4,575	2,864
Dominion Power	VA	1,800	310
<b>TOTAL**</b>		<b>241,509</b>	<b>41,699</b>

\* Effective Jan. 1, 2014, Bangor Hydro and Maine Public Service became one company: Emera Maine

\*\*Total represents only utilities listed in this table.

N/R: Not reported

Sources:

<http://www.wrdw.com/home/headlines/SCEG-reporting-power-outages-in-Aiken-Co-239028191.html?ref=191>

<http://www.bdonline.com/local/x1186913370/Thousands-without-power-in-the-region-with-temperatures-still-below-zero>

<http://www.wavy.com/news/local/power-surges-expected-during-deep-freeze>  
<http://www.live5news.com/story/24382526/sceg-thousands-without-power-throughout-lowcountry>  
<https://twitter.com/EntergyArk>  
<http://www.etrviewoutage.com/external/ar.aspx>  
<http://outagemap.georgiapower.com/external/default.html>  
<http://apps.ameren.com/outage/outagemap.aspx?state=IL>  
[https://www.comed.com/\\_layouts/comedsp/OutageMap.aspx](https://www.comed.com/_layouts/comedsp/OutageMap.aspx)  
<http://www.duke-energy.com/indiana/outages/current.asp>  
<https://www.indianamichiganpower.com/outages/>  
[http://www.iplpower.com/Storm\\_and\\_Outage\\_Info/Outage\\_Information/](http://www.iplpower.com/Storm_and_Outage_Info/Outage_Information/)  
<http://apps.iplpower.com/outages/outagemap.aspx>  
<http://sciremc.maps.sienatech.com/>  
<http://www.cmpco.com/outages/outageinformation.html>  
[http://apps.bhe.com/about/outages/Outage\\_Map.cfm](http://apps.bhe.com/about/outages/Outage_Map.cfm)  
<http://apps.ameren.com/outage/outagemap.aspx?state=MO>  
<http://www.duke-energy.com/north-carolina/outages/current.asp#outagedata>  
<https://www.progress-energy.com/app/outagemaps/carolinas.aspx>  
<http://outages.firstenergycorp.com/oh.html>  
<http://www.sceg.com/en/storm-center/outage-map/>  
<http://gis.centerpointenergy.com/outagetracker/index.html>  
<http://stormcenter.oncor.com/default.html>  
<http://outages.firstenergycorp.com/mdwv.html>  
<https://www.appalachianpower.com/outages/>  
<https://www.dom.com/storm-center/dominion-electric-outage-summary.jsp>

### **PJM Power Grid Calls on All Electric Generation to Be Available, Asks Customers to Conserve Power Due to 140,000 MW Record Demand January 6-7**

PJM Interconnection, the power grid operator for the mid-Atlantic and parts of the Midwest, called for all electric generation to be available to meet rising demand Monday night and Tuesday as freezing temperatures move across the region. PJM issued a Maximum Emergency Generation Alert for Tuesday to warn power plant operators that system conditions may require them to be available to meet record demand. Extreme cold temperatures will challenge PJM and its members, the grid agency said. The grid agency also warned that the sustained cold weather and high electric demand could lead to natural gas curtailments to some gas-fired power plants. PJM has requested permission to share non-public information with natural gas pipelines to confirm that gas supplies will be available to the gas-fired generators PJM expects to need, the agency said. PJM forecasted peak electric demand Tuesday to be 140,000 MW which would be a new winter record, surpassing the February 2007 winter peak of 136,675 MW. Power demand Monday in PJM was expected to exceed 132,400 MW Monday evening as temperatures continued to fall.

<http://finance.yahoo.com/news/pjm-power-grid-sees-tight-231824107.html>  
<http://www.pjm.com/~media/about-pjm/newsroom/2014-releases/20140106-pjm-grid-op-asks-consumers- conserve-electricity-tuesday.ashx>  
[https://emergproc.pjm.com/ep/guest\\_login.htm](https://emergproc.pjm.com/ep/guest_login.htm)

### **Duke Energy Asks Carolinas Customers to Conserve Electricity for Next 24 Hours Due to Extreme Cold**

Duke Energy officials are asking the company's customers to conserve power during the next 24 hours, as extreme temperatures continue. Turn off unnecessary lights and postpone household chores, where possible, that involve the use of electricity, the company said.

<http://www.duke-energy.com/news/releases/2014010701.asp>

### **FirstEnergy's 821 MW Beaver Valley Nuclear Unit 1 in Pennsylvania Shut January 6**

On the morning of January 6 the unit was operating at full power before an automatic reactor tripped due to a main transformer differential trip, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140107en.html>  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Entergy's 979 MW Indian Point Nuclear Unit 3 in New York Shut January 6**

On the morning of January 6 the unit was operating at full power before an automatic reactor trip on low steam generator water level due to a failed main feedwater valve, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140107en.html>

### **Update: Entergy's 510 MW Vermont Yankee Nuclear Unit in Vermont Ramped Up to 93 Percent by January 7**

On the morning of January 6 the unit was operating at 52 percent from full power on January 5, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Exelon's 850 MW Dresden Nuclear Unit 2 in Illinois Reduced to 17 Percent by January 7**

On the morning of January 6 the unit was operating at full power, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

### **Luminant's 1,150 MW Comanche Peak Nuclear Unit 1 in Texas Reduced to 72 Percent by January 7**

On the morning of January 6 the unit was operating at full power, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

## ***Petroleum***

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### **Icy Weather Could Threaten Oil Output From Texas To North Dakota**

The severe cold weather sweeping across the central U.S. is threatening to curtail some oil production, if only briefly, as it disrupts traffic, strands wells, and interrupts drilling and fracking operations. So far, major U.S. oil producers have only reported minor effects on their operations. Continental Resources, among the largest oil producers in North Dakota's Bakken oil patch, said it temporarily halted well completion operations in North Dakota, which include fracking. Forecasters said temperatures will swing back to normal levels in Texas and North Dakota by Wednesday, limiting the cold front's impact on oil and gas production.

[http://www.rigzone.com/news/oil\\_gas/a/130943/Icy\\_Weather\\_Threatens\\_Oil\\_Output\\_From\\_Texas\\_To\\_North\\_Dakota](http://www.rigzone.com/news/oil_gas/a/130943/Icy_Weather_Threatens_Oil_Output_From_Texas_To_North_Dakota)

### **ExxonMobil Reports Process Units Problems at Its 238,600 b/d Joliet, Illinois Refinery January 6**

ExxonMobil Corp.'s Joliet, Illinois, refinery reported problems with process units on Monday due to cold weather which caused flaring, according to a notice filed with the National Response Center. The flaring released nitrous oxide and sulfur dioxide emissions, the filing said.

[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1070205](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1070205)

### **PBF Reports Flaring, Sulfur Dioxide Emissions at Its 190,000 b/d Delaware City, Delaware Refinery January 7**

PBF Energy Inc. reported flaring and sulfur dioxide emissions at its refinery in Delaware City, Delaware, on Tuesday, according to a filing with state pollution regulators.

Reuters, 10:39 January 7, 2014

### **Citgo Reports Sulfur Dioxide Emissions at Its 174,500 b/d Lemont, Illinois Refinery January 7**

Citgo Petroleum Corp. reported sulfur dioxide emissions at its Lemont, Illinois refinery, according to a filing with state pollution regulators.

Reuters, 4:13 January 7, 2014

### **Phillips 66 Reports Unit Electric Issue at Its 239,400 b/d Westlake, Louisiana Refinery**

Phillips 66 reported an electrical problem leading to flaring at its Lake Charles refinery in Westlake, Louisiana, according to a notice filed with the National Response Center. The event is being managed at this time and they are not currently venting, the filing said.

[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1070211](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1070211)

## **Alon Reports SRU Feed Diverted to Flare at Its 67,000 b/d Big Spring, Texas Refinery January 6**

Alon USA Energy Inc. reported the sulfur recovery unit (SRU) feed was diverted to flare for undetermined reasons at its refinery in Big Spring, Texas, according to a filing with the National Response Center.

[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1070248](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1070248)

## **Enterprise to Expand LPG Export Facility at Oiltanking's Facility on Houston Ship Channel**

Enterprise Products Partners L.P. today announced a further expansion of its liquefied petroleum gas (LPG) export terminal at Oiltanking's complex on the Houston Ship Channel in Texas. Enterprise's expanded LPG terminal is supported by a 50-year service agreement with Oiltanking Partners, L.P. to provide additional dock space and related services. The expanded LPG export terminal is expected to be in service by the end of 2015 and is supported by long-term LPG export agreements. Upon completion of the expanded facilities, Enterprise will have aggregate capacity to load in excess of 16 million barrels per month of low-ethane propane and/or butane. This expansion is in lieu of a second LPG terminal announced in October 2013 and will result in more capacity than previously anticipated.

<http://phx.corporate-ir.net/phoenix.zhtml?c=80547&p=irol-newsArticle&ID=1888489&highlight=>

## ***Natural Gas***

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### **Oneok Natural Gas Pipeline Explodes in Oklahoma January 6**

A natural gas pipeline, operated by Oneok Partners, exploded near Milfay, Oklahoma on Monday but caused no injuries. The fire on the pipeline, which runs from Depew, Oklahoma to Edmond, Oklahoma, was no longer burning and there was no damage to surrounding structures, the company said. Oneok officials were waiting for the pipeline to cool before investigating the explosion's cause and starting repairs. The company did not know when the pipeline would be able to return to operation.

<http://www.kswo.com/story/24375155/no-one-hurt-in-creek-county-pipeline-explosion>

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=41894](http://www.downstreamtoday.com/news/article.aspx?a_id=41894)

### **DCP Midstream Reports Flaring, Turbine Failure at Its 160 MMcf/d Goldsmith Gas Plant**

DCP Midstream reported B turbine second stage discharge flow transmitter froze and failed, causing B turbine to go offline and the plant to flare. Technicians repaired and insulated the transmitter and operators then restarted B turbine, ending the flare event.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=192594>

### **Regency Reports AGI, AGC Shut at Its 290 MMcf/d Waha Gas Plant in Texas January 6**

Regency reported fluctuating plant inlet volumes due to operational issues caused the acid gas injector (AGI) compressor to shut down on low suction pressure. Adequate inlet suction pressure was established by bringing the plant equipment within operating parameters. The AGI flare and AGI volume meter were in service during the downtime. The plant has experienced operational issues since the power outage on January 4. Later, on January 6, the acid gas compressor (AGC) shut down on low pressure alarm due to a controller (solenoid) fail. On restart, the AGC tripped due to high tubing pressure. The acid gas was routed to the flare. The controller (solenoid) was replaced and the system was placed in manual to allow pressures to moderate. The injection system was reset and restarted.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=192605>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=192574>

### **Williams' Transco Conducting Work After Leak on Southeast Louisiana Lateral Natural Gas Pipeline**

Williams Cos Inc.'s Transcontinental Gas Pipeline Co. (Transco) said on Monday it would conduct maintenance associated with a small leak discovered on the offshore portion of the Southeast Louisiana Lateral natural gas pipeline. The company said the work was expected to take 14 days. Transco's 10,200-mile gas pipeline system has the capacity to carry 9.9 billion cubic feet of supply per day from the Gulf Coast to markets throughout the Southeast, mid-Atlantic and Northeast, including New York City.

Reuters, 14:36 January 6, 2014

## Other News

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Nothing to report.

## International News

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### **Tribesmen Attack 120,000 b/d Crude Oil Pipeline in Yemen Twice in Two Days January 7**

Tribesmen in the eastern Yemen province of Hadramawt have blown up an oil pipeline for the second time in two days. The attacks targeted a pipeline carrying crude from the Masila field, the most important in Yemen, local and tribal officials said. Tuesday's attack struck in the Wadi Urf area, while Monday's attack on the same pipeline was in the Sah area. On Sunday, Yemen said it had repaired another main pipeline in the north of the country after it was bombed by members of a different tribal group in December. Yemeni pipelines have been attacked periodically by Islamist militants.

<http://www.reuters.com/article/2014/01/07/us-yemen-pipeline-idUSBREA060LP20140107>

### **Libya Restarts Oilfield With 60,000 b/d Initial Output – NOC**

Libya restarted oil production at the southern El Sharara field after protesters ended a blockade, the National Oil Corporation (NOC) said yesterday. Tribesmen seeking greater local powers had blocked the El Sharara field since the end of October last year. The NOC hoped to reach the field's maximum output capacity of about 340,000 b/d within two to three days, a spokesperson said.

[http://www.iol.co.za/business/international/libya-restarts-oilfield-1.1628793#.UsrHa\\_RDsSk](http://www.iol.co.za/business/international/libya-restarts-oilfield-1.1628793#.UsrHa_RDsSk)

### **Libya Navy Blocks Oil Tanker at Eastern Port January 5**

Libya's navy blocked an oil tanker from illegally loading crude at the Es-Sider port that has been held for months by armed protesters demanding more autonomy from Tripoli, a Libyan National Oil Corporation official said on Monday.

<http://www.reuters.com/article/2014/01/06/us-libya-oil-idUSBREA050K620140106>

## Energy Prices

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<b>U.S. Oil and Gas Prices</b>			
January 7, 2014			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b>			
<b>West Texas Intermediate U.S.</b>	94.08	98.64	92.98
\$/Barrel			
<b>NATURAL GAS</b>			
<b>Henry Hub</b>	4.50	4.31	3.19
\$/Million Btu			

Source: Reuters

## 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 ET every Wednesday.

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

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

Updated after 2:00 PM ET every Thursday.

### **ENERGY ASSURANCE DAILY**

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

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