



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

# ENERGY ASSURANCE DAILY

Monday Evening, January 04, 2016

## *Electricity*

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### **Snow, Freezing Rain Knocks Out Power to 14,000 Portland General Electric Customers January 3**

Snow and freezing rain knocked out power to 14,000 Portland General Electric (PGE) customers on Sunday afternoon. By 11:00 p.m. PST Sunday, PGE reported only 500 customers remained without power.

<https://twitter.com/portlandgeneral>

<https://www.portlandgeneral.com/outages/outage-list>

<http://koin.com/2016/01/03/snow-freezing-rain-expected-sunday/>

### **FPL's 839 MW Saint Lucie Nuclear Unit 1 in Florida Reduced to 84 Percent by January 4**

On the morning of January 3 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

### **Update: AES's 336 MW Alamos Gas-fired Unit 4 in California Returns to Service by January 3**

The unit returned from an unplanned outage that began on January 2.

<http://content.caiso.com/unitstatus/data/unitstatus201601031515.html>

### **Desert Sunlight's 250 MW Solar Unit in California Reduced by January 3**

The unit entered an unplanned curtailment of 150 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201601031515.html>

### **Solar Partners' 133 MW Ivanpah Solar Unit 2 in California Shut by January 3**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201601031515.html>

### **Mirant's 312 MW Pittsburg Gas-fired Unit 5 in California Shut by January 1**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201601011515.html>

### **Ameren Prepares for Flooding in Illinois, Missouri January 2**

Ameren Illinois on Saturday said it was prepared to set up mobile substations on higher ground in towns affected by flooding. Mobile substations sit on flatbed trailers and are used in emergency outage situations. Should a breach occur, the company can quickly de-energize the town's substation and safely switch to the mobile substation to avoid any long-term power outages due to the flooding. Ameren Illinois has three mobile substations in the Metro-East area and 17 overall throughout its service territory. On Wednesday, Ameren Missouri began ferrying employees to and from its Sioux Energy Center north of St. Louis. The coal-fired power plant is still operational and workers will continue to travel by boat until the floodwaters recede, the company said in a statement.

<http://ameren.mediaroom.com/news-releases?item=1430>

<http://fuelfix.com/blog/2015/12/31/midwest-flooding-might-make-the-oil-glut-worse/>

### **ExxonMobil Shuts Its Refined Products Terminal in Tennessee Due to Potential Flooding January 1**

ExxonMobil Corp on Sunday said its refined products terminal in Memphis, Tennessee remained closed. On Friday the company decided to shut the terminal, which has a capacity of 340,000 barrels, just south of downtown, as flood waters threatened to inundate it.

<http://news.yahoo.com/exxon-closes-memphis-tennessee-terminal-flood-risk-191003046--finance.html>

<http://www.reuters.com/article/us-usa-weather-idUSKBN0UH0ND20160104>

### **Update: Spectra's 164,000 b/d Platte Oil Pipeline Resumes Normal Operations January 3, Enbridge's 200,000 b/d Ozark Pipeline Remains Shut after Floods December 31**

Spectra's Platte pipeline, which runs from Casper, Wyoming to Wood River, Illinois, resumed normal operations on Sunday after shutting last week as a precaution due to flooding on the Mississippi River, according to a shipper notice. The 932-mile Platte pipeline transports up to 164,000 b/d of crude oil from Casper to Guernsey, Wyoming and 145,000 b/d from Guernsey to Wood River, Illinois. Enbridge's 200,000 b/d Ozark pipeline, which runs from Cushing, Oklahoma to Wood River, remains shut due to last week's flooding, but is expected to resume operations on Monday, sources said.

Reuters, 10:40 January 4, 2016

### **Marathon Begins Overhaul at Its 451,000 b/d Galveston Bay, Texas Refinery, Worker Burned January 2 – Source**

A worker at Marathon Petroleum Corp's Galveston Bay Refinery in Texas City, Texas, was burned by hydrofluoric acid on Saturday while working on an alkylation unit, which was shut as part of a planned three-month, multi-unit overhaul, a source familiar with plant operations said on Sunday. The 31,500 b/d HF alkylation unit 3 is one of several units shut for the overhaul at the refinery that includes the 120,000 b/d fluidic catalytic cracking unit (FCCU) 3, the larger of two FCCUs at the plant.

Reuters, 7:04 January 3, 2016

### **Shell Reports Unit Upset at Its 316,000 b/d Deer Park, Texas Refinery December 31**

Royal Dutch Shell Plc reported unplanned flaring due to a process unit upset at its Deer Park site, Texas, according to a community information line.

Reuters, 12:51 December 31, 2015

### **Petrobras Reports FCCU Trip at Its 100,000 b/d Pasadena, Texas Refinery January 2**

Petrobras reported a trip in a fluid catalytic cracking unit (FCCU) due to a unit upset on Saturday, according to a filing with the Texas Commission on Environmental Quality. The refinery took measures to start up the unit and resume normal operations, the filing added.

Reuters, 9:13 January 3, 2016

### **North Dakota Plans Public Hearing on Sacagawea's Proposed 100,000 b/d Oil Pipeline**

The North Dakota Public Service Commission has slated a public hearing in Stanley on a proposed \$18 million crude oil pipeline in Mountrail County, North Dakota. The Commission will take testimony January 12 on Sacagawea Pipeline Co.'s permit application for the new 8-mile long, 12-inch diameter crude oil pipeline and associated facilities. The pipeline would transport oil from the Palermo Rail Facility owned by Phillips 66 to the Enbridge oil terminal in Stanley. The pipeline will have a maximum capacity of 100,000 b/d.

Reuters 2:31 January 4, 2016

## ***Natural Gas***

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### **Update: Enable Gas Reports Line OM-1 in Arkansas Returns to Service January 4**

Enable Gas Transmission reported Line OM-1 in northwest Arkansas was put back in service, but required to operate under a Pipeline and Hazardous Materials Safety Administration (PHMSA) mandated pressure reduction. Enable said the expected duration of pressure reduction was unknown at this time but capacity on Line OM-1 will be limited to approximately 140 MMcf/d.

<http://pipelines.enablemidstream.com/viewReport.aspx?Pipeline=EGT&ReportType=NOTICES:CriticalNotices&URL=http://pipelines.centerpointenergy.com/stellent/groups/public/documents/ebb/cnp290442.htm>

## **Northwest Pipeline Reports Puget Sound Energy Will Perform Unplanned Maintenance at Jackson Prairie Storage Facility in Washington January 6**

Puget Sound Energy, operator of the Jackson Prairie storage facility said it will be limited to a maximum delivery rate of approximately 468 MMcf/d to perform necessary but unplanned maintenance on January 6. Jackson Prairie expects the repairs to be completed on January 6, and full service restored on Thursday, January 7, 2016.

[http://www.northwest.williams.com/NWP\\_Portal/northwest\\_notice\\_detail.action?format=&notice\\_num=27387](http://www.northwest.williams.com/NWP_Portal/northwest_notice_detail.action?format=&notice_num=27387)

## **Targa Reports AGC Shut at Its 150 MMcf/d Sand Hills Gas Plant in Texas December 3**

Targa reported the acid gas compressor (AGC) was shut down due to high discharge pressure on the fifth stage of compression. This routed the acid gas to the emergency acid gas flare, F-4. The AGC was restarted after clearing the faulty pressure reading on the fifth stage discharge pressure transducer. As soon as the AGC was restarted, the flaring ceased at the emergency acid gas flare, F-4.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=225228>

## **Southern Union Reports Unit Issues at Its Keystone Gas Plant in Texas December 2**

Southern Union reported major problems with unit 20 and 24. A coolant leak on unit 24 was repaired and the engine controller was adjusted. Unit 24 was put back online and loaded with gas. Mechanics were still troubleshooting unit 20.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=225226>

## **Regency Reports Recompressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas December 1**

Regency reported the recompressors shutdown on lube oil cooler and vibration due to pressure swings. This caused the acid gas injector (AGI) compressor to shutdown on low suction pressure. The recompressors were restarted, the plant was lined out, and the AGI compressor was reset and restarted.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=225217>

## **Natural Gas Rig Count Remains Unchanged at 162 December 31 – Baker Hughes**

The number of rigs drilling for natural gas in the U.S. remained unchanged at 162 in the week to December 31, data from Baker Hughes showed on Thursday.

Reuters, 1:03 December 31, 2015

## ***Other News***

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Nothing to report.

## ***International News***

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### **Iraq's Southern Oil Exports Down in December – Oil Ministry**

Oil exports from Iraq's southern fields fell to an average of 3.215 million b/d in December from a record 3.365 million b/d the previous month as bad weather complicated loadings, the oil ministry said on Friday. All exports were from Iraq's southern ports, with Baghdad exporting no oil from the country's northern fields via a pipeline to Ceyhan in Turkey for a third straight month.

Reuters, 7:03 January 1, 2016

### **Islamic State Attacks Libya's Es Sider Oil Port, Sets Storage Tank on Fire January 4**

An attack by Islamic State militants on Libya's Es Sider oil export terminal on Monday killed two guards and set an oil storage tank on fire, a Petrol Facilities Guard source said. The guards were killed when two suicide bombers targeted the terminal, the source said, adding that the Islamic State fighters had retreated to neighboring areas.

Reuters, 8:58 January 4, 2016

## Energy Prices

U.S. Oil and Gas Prices January 4, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	36.76	36.26	53.56
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.31	1.53	2.99

Source: Reuters

## Links

***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.oel.netl.doe.gov/ead.aspx>

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