



# ENERGY ASSURANCE DAILY

Monday Evening, January 24, 2011

## *Electricity*

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### **APS's 1,247 MW Palo Verde Nuclear Unit 3 in Arizona Returns to Full Power January 22-23**

The Nuclear Regulatory Commission reported that on the morning of January 21 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/2011/>

### **AmerenUE's 1,125 MW Callaway Nuclear Unit in Missouri Reduced to 90 Percent by January 24**

The Nuclear Regulatory Commission reported that on the morning of January 23 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **Entergy's 730 MW Palisades Nuclear Unit in Michigan Trips Due to Loss of Generator Load by January 23**

In a filing with the Nuclear Regulatory Commission (NRC), the company reported that the unit was shut after the loss of generator load led to a generator trip, turbine trip, and reactor trip. The NRC reported that on the morning of January 22 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110124en.html>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **Update: Exelon's 619 MW Oyster Creek Nuclear Unit in New Jersey at Full Power by January 23**

The Nuclear Regulatory Commission reported that on the morning of January 22 the unit was operating at 70 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **Southern's 870 MW Hatch Nuclear Unit 2 in Georgia Reduced to 64 Percent by January 23**

The Nuclear Regulatory Commission reported that on the morning of January 21 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **Southern's 856 MW Hatch Nuclear Unit 1 in Georgia Ramped Up to 87 Percent by January 24**

The Nuclear Regulatory Commission reported that on the morning of January 22 the unit was operating at 45 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

**Exelon's 1,134 MW Limerick Nuclear Unit 1 in Pennsylvania Reduced to 63 Percent by January 22, at Full Power by January 24**

The Nuclear Regulatory Commission reported that on the morning of January 21 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

**Exelon's 1,116 MW Peach Bottom Nuclear Unit 2 in Pennsylvania Reduced to 75 Percent by January 22, at Full Power by January 23**

The Nuclear Regulatory Commission reported that on the morning of January 21 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

**Duke Energy's 846 MW Oconee Nuclear Unit 3 in South Carolina Reduced to 16 Percent by January 22, at Full Power by January 24**

The Nuclear Regulatory Commission reported that on the morning of January 21 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

**Exelon's 850 MW Dresden Nuclear Unit 3 in Illinois Reduced to 65 Percent by January 22, at Full Power by January 23**

The Nuclear Regulatory Commission reported that on the morning of January 21 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

**Duke Energy's 510 MW Moss Landing Gas-Fired Unit 2 in California Returns to Service by January 21, Shuts by January 22, then Returns to Service Again by January 23**

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment of 260 MW by January 21. The unit then reported an unplanned outage by January 22 and a subsequent return from the outage by January 23.

<http://www.caiso.com/unitstatus/data/unitstatus201101211515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201101221515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201101231515.html>

**Update: AES's 227 MW Huntington Beach Gas-Fired Unit 4 in California Returns to Service by January 21**

According to the California Independent System Operator, the unit reported a return from an unplanned outage.

<http://www.caiso.com/unitstatus/data/unitstatus201101211515.html>

**Update: AES's 226 MW Huntington Beach Gas-Fired Unit 2 in California Returns to Service by January 21**

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment of 161 MW.

<http://www.caiso.com/unitstatus/data/unitstatus201101211515.html>

**PCWA's 218 MW Middle Fork and Ralston Hydro Unit in California Shut by January 22, Returns to Service by January 23**

According to the California Independent System Operator, the unit reported a return from an unplanned outage.

<http://www.caiso.com/unitstatus/data/unitstatus201101221515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201101231515.html>

**OPG's 494 MW Lambton Coal-Fired Unit 3 in Ontario Shut January 21**

Reuters, 09:54 January 24, 2011

## **California's Electricity Rate Policies May Make Plug-in Electric Vehicles Uneconomical: Purdue University**

California utilities have three rate tiers for electricity, meaning that customers must pay at higher rates when they exceed normal household levels of usage. Charging a plug-in electric vehicle in California would likely push owners into higher rate tiers. States that use flat or time-of-use rates are not subject to this problem.

<http://www.purdue.edu/newsroom/research/2011/110113TynerHybrids.html>

[http://www.nytimes.com/2011/01/23/automobiles/23POWER.html?\\_r=1&scp=2&sq=%2bhybrid+%2bcar&st=nyt](http://www.nytimes.com/2011/01/23/automobiles/23POWER.html?_r=1&scp=2&sq=%2bhybrid+%2bcar&st=nyt)

## **Petroleum**

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### **Update: Following Leak, Sunoco Restarts 10-Inch, 20-Mile Crude Oil Pipeline in Oklahoma January 22**

Sunoco shut the 10-inch, Eola-to-Maysville, Oklahoma pipeline after it leaked 1,250 barrels of oil on January 19. Reuters, 12:02 January 24, 2011

### **Coker Unit Fire Reported at Imperial Oil's 121,000 b/d Sarnia, Ontario Refinery January 22**

The small fire did not cause any injuries. It is not clear if there was any impact on production.

Reuters, 20:59 January 22, 2011

<http://www.reuters.com/article/idUSN2227154720110123>

### **Pipe Leaks Oil and Hydrogen Sulfide at BP's Whiting, Indiana Refinery by January 22**

It was not clear why the pipe leaked, or if there was any impact on production.

<http://www.bloomberg.com/news/2011-01-22/bp-has-oil-release-at-whiting-oil-refinery-nrc-filing-shows.html>

### **Update: Citing Cold Weather, Two Additional States Issue Hours-of-Service Waivers January 21-24**

According to the National Propane Gas Association's Web site, Pennsylvania and Illinois issued hours-of-service waivers for trucks delivering propane and home heating fuels on January 21 and January 24 respectively. Eleven states – Connecticut, Illinois, Maine, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Pennsylvania, South Carolina, and Virginia – have active waivers, as of latest reports.

<http://www.npga.org/i4a/pages/index.cfm?pageid=832>

### **BG Group Plans to Produce 400MMBoe/d in Brazil by 2020**

BG Group plans to invest \$10 billion over ten years to achieve its production target. Among other investments, BG Group will build 13 floating production, storage, and offloading vessels (FPSOs), as well as a storage facility for crude oil.

[http://www.rigzone.com/news/article.asp?a\\_id=103380](http://www.rigzone.com/news/article.asp?a_id=103380)

### **Update: Inter Pipeline Fund Announces Plan to Invest in Polaris Diluent Pipeline System in Alberta**

By 2012, the Polaris system is planned to transport 60,000 b/d of diluents to ExxonMobil and Imperial Oil's Kearl oil sands project. By late 2013 it will transport an additional 30,000 b/d to Husky Oil and BP's Sunrise oil sands project.

[http://www.thepressreleasewire.com/client/print\\_page/release\\_print.jsp?actionFor=1383227](http://www.thepressreleasewire.com/client/print_page/release_print.jsp?actionFor=1383227)

## Natural Gas

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### Built-Up Pressure in Fairport Harbor, Ohio Pipelines Leads to Fires, Loss of Natural Gas Service for 1,500 Dominion East Ohio Customers January 24

The entire town of about 3,000 was initially evacuated, but officials then instructed residents to stay in their homes and shut off their gas. According to authorities, built-up pressure led to a series of at least 12 building fires, including at least one house explosion. The gas line has since been returned to normal pressure and all fires are believed to be extinguished. There are no reports of injuries. Dominion East Ohio has announced that it has initiated outbound calls to the 1,500 affected customers to restore natural gas service and ensure the safety of the premises. The company will provide customers with temporary lodging if gas service cannot be restored by the end of the day.

<http://www.prnewswire.com/news-releases/dominion-east-ohio-initiates-outbound-calls-in-response-to-monday-morning-fires-in-fairport-harbor-114502584.html>  
<http://www.reuters.com/article/idUSTRE70N49P20110124>  
<http://www.fox43.com/news/nationworld/sns-ap-gasfires-evacuationupdate,0,4033937.story>  
<http://www.cnn.com/2011/US/01/24/ohio.fire.evacuations/index.html>

### Update: NTSB Metallurgists Report Numerous Flaws in Blown Out PG&E Pipeline in San Bruno, California January 21

The National Transportation Safety Board (NTSB) released the first of six factual reports on the natural gas pipeline rupture that killed eight people in San Bruno, California on September 9, 2010. The NTSB's metallurgists found numerous flaws in a 55-foot segment of the steel pipeline. Dozens of welds were not strong enough due to incompletely joined pieces of metal, the presence of impurities, and air gaps. The steel was also thinner at the point where the pipe burst than regulations required it to be at the time of installation in 1956. Some experts who read the report indicated that it is possible the welds were weakened by the increase in pressure required to meet growing consumer demand over the past decades.

[http://www.usatoday.com/news/nation/2011-01-21-california-pipeline\\_N.htm](http://www.usatoday.com/news/nation/2011-01-21-california-pipeline_N.htm)  
[http://online.wsj.com/article/SB10001424052748704115404576096480861280032.html?ru=yahoo&mod=yahoo\\_hs](http://online.wsj.com/article/SB10001424052748704115404576096480861280032.html?ru=yahoo&mod=yahoo_hs)  
[http://hosted.ap.org/dynamic/stories/U/US\\_PIPELINE\\_EXPLOSION?SITE=AP&SECTION=HOME&TEMPLATE=DEFAULT&CTIME=2011-01-21-19-42-27](http://hosted.ap.org/dynamic/stories/U/US_PIPELINE_EXPLOSION?SITE=AP&SECTION=HOME&TEMPLATE=DEFAULT&CTIME=2011-01-21-19-42-27)

To read the report, visit: <http://www.nts.gov/Pressrel/2011/110121.html>

## Other News

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Nothing to report.

## Energy Prices

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U.S. Oil and Gas Prices			
January 24, 2011			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	86.65	91.26	74.60
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.72	4.48	5.52

Source: Reuters

**Faulty Transmission Line Knocks out Power to 12,000 Demco Customers near Pride, Louisiana January 22 – All Customers Fully Restored by January 23**

<http://www.wafb.com/Global/story.asp?S=13890717>

**Update: Operations Have Resumed at Alliance Resource Partners' 6 Million Tons/Year Warrior Coal Mine in Hopkins County, Kentucky after Fire Extinguished January 14**

[http://www.wkyt.com/wymtnews/headlines/Mine\\_fire\\_114333604.html](http://www.wkyt.com/wymtnews/headlines/Mine_fire_114333604.html)

**“Equipment JC-101-A” Trip Triggers Flaring at Citgo's 429,500 b/d Lake Charles, Louisiana Refinery January 23**

Reuters, 16:59 January 23, 2011

<http://af.reuters.com/article/energyOilNews/idAFWEN599620110123>

**Delek Reports FCCU Snag at 60,000 b/d Tyler, Texas Refinery January 23**

Reuters, 10:24 January 24, 2011

**Valero Reports Gulfining Unit (GFU) Snag and Flaring at 287,000 b/d Port Arthur, Texas Refinery January 23 – No Impact on Production**

Reuters, 10:24 January 24, 2011

Reuters, 09:47 January 24, 2011

**Operations Begin at 30 MW Cimarron Solar Plant in New Mexico by January 24 – Unit Is Jointly Owned By Southern Company and Turner Renewable Energy, though First Solar Will Operate It**

[http://www.southerncompany.com/news/dyn\\_pressroom.aspx?s=43&item=2240](http://www.southerncompany.com/news/dyn_pressroom.aspx?s=43&item=2240)

**Beacon Power Energizes 8 MW Stephentown, New York Flywheel Energy Storage System – Company Will Eventually Increase Capacity to 20 MW**

<http://finance.yahoo.com/news/Beacon-Power-Begins-pz-1212145987.html?x=0&.v=1>

**Valve Failure Shuts Primary Acid Gas Compressor at Big Lake Gas Plant in Texas January 22**

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=149715>

**Lubes Extraction Unit 2 Shut Due to Pinhole Leak at ExxonMobil's 567,000 b/d Baytown Refinery in Texas January 22 – Company Notes Minimal Impact on Production**

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=149712>

**Two Separate Car Accidents Damage Gas Lines in the San Francisco Bay Area January 22 – PG&E Reduces Gas Flow in Both San Jose and Concord, California as Residents are Briefly Evacuated**

[http://www.insidebayarea.com/news/ci\\_17169533](http://www.insidebayarea.com/news/ci_17169533)

[http://www.mercurynews.com/crime-courts/ci\\_17168986?source=most\\_viewed&nclink\\_check=1](http://www.mercurynews.com/crime-courts/ci_17168986?source=most_viewed&nclink_check=1)

## 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>

Please direct comments and questions to: [ead@oe.netl.doe.gov](mailto:ead@oe.netl.doe.gov)