



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

# ENERGY ASSURANCE DAILY

Monday Evening, November 22, 2010

## *Electricity*

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### **Snow Storms Knock Out Power to at Least 39,000 PG&E Customers in Northern California November 20-21**

Outages may remain for several days as crews try to access poles and wires that need repair.

<http://www.fox40.com/news/headlines/ktxl-sierrapoweroutages.0.4588028.story>

### **Snow Storms Knock Out Power to at Least 36,000 B.C. Hydro Customers in British Columbia November 19-20**

More than 16,000 customers were without power on Vancouver Island, and more than 18,000 customers were without power on the mainland after winter weather damaged power lines. About 4,500 customers are still without power as of latest reports.

<http://www.cbc.ca/canada/british-columbia/story/2010/11/20/bc-snow-weather-hydro.html>

[http://www.ctvbc.ctv.ca/servlet/an/local/CTVNews/20101120/bc\\_snow\\_storm\\_101120/20101120?hub=BritishColumbiaHome](http://www.ctvbc.ctv.ca/servlet/an/local/CTVNews/20101120/bc_snow_storm_101120/20101120?hub=BritishColumbiaHome)

<http://www.bchydro.com/outages/orsTableView.jsp>

### **Update: Entergy's 813 MW FitzPatrick Nuclear Unit in New York Ramped Up to 91 Percent by November 20, Reduced to 55 Percent by November 21, and then Ramped Up to 83 Percent by November 22**

Entergy had originally planned to reduce the unit to 13 percent power "to address a low oil level reading in a motor on a reactor water recirculation pump," a plant spokeswoman said on November 16. The Nuclear Regulatory Commission reported that on the morning of November 19 the unit was operating at 62 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

### **Update: Exelon's 1,093 MW Peach Bottom Nuclear Unit 3 in Pennsylvania Ramped Up to 90 Percent by November 21**

Exelon shut the unit by November 16 to replace a main power transformer, plant officials said previously. The Nuclear Regulatory Commission reported that on the morning of November 19 the unit was operating at 1 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

### **Dominion's 871 MW Millstone Nuclear Unit 2 in Connecticut Shut November 19, Ramped Up to 80 Percent by November 22**

The unit shut when a steam supply valve failed on November 19. The Nuclear Regulatory Commission reported that on the morning of November 19 the unit was operating at full power.

<http://www.theday.com/article/20101122/NWS01/101129945/1047>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

### **Duke Energy's 846 MW Oconee Nuclear Unit 3 in South Carolina at Full Power by November 22**

The Nuclear Regulatory Commission reported that on the morning of November 19 the unit was operating at 1 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

### **Update: Progress Energy's 710 MW Robinson Nuclear Unit 2 in South Carolina Ramped Up to 91 Percent by November 20**

The unit shut automatically on October 7 “due to a one loop reactor coolant low flow,” the company said in a previous filing with the Nuclear Regulatory Commission (NRC). The NRC reported that on the morning of November 19 the unit was operating at 67 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

### **Duke Energy's 1,129 MW Catawba Nuclear Unit 1 in South Carolina Reduced to 18 Percent by November 20, Ramped Up to 99 Percent by November 22**

The Nuclear Regulatory Commission reported that on the morning of November 19 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/2010/>

### **Southern's 830 MW Farley Nuclear Unit 1 in Alabama Ramped Up to 80 Percent by November 22**

The Nuclear Regulatory Commission reported that on the morning of November 19 the unit was operating at 30 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

### **Progress Energy's 811 MW Brunswick Nuclear Unit 2 in North Carolina Reduced to 65 Percent by November 20, Returns to Full Power by November 21**

The Nuclear Regulatory Commission reported that on the morning of November 19 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/2010/>

### **Update: TVA's 1,125 MW Sequoyah Nuclear Unit 1 in Tennessee at Full Power by November 21**

The Tennessee Valley Authority (TVA) shut the unit on November 16 due to a valve failure, according to the Nuclear Regulatory Commission (NRC). The NRC reported that on the morning of November 19 the unit was operating at 50 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

### **Entergy's 966 MW River Bend Nuclear Unit 1 in Louisiana Reduced to 54 Percent by November 21**

The Nuclear Regulatory Commission reported that on the morning of November 20 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/2010/>

### **Calpine's 525 MW Sutter Gas-Fired Power Plant in California Reduced by November 19, Ramps Up by November 20**

According to the California Independent System Operator, the power plant reported a return from an unplanned curtailment of 265 MW by November 20.

<http://www.caiso.com/unitstatus/data/unitstatus201011201515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201011191515.html>

### **AES's 227 MW Huntington Beach Gas-Fired Unit 4 in California Shut by November 19, Returns to Service by November 21**

According to the California Independent System Operator, the unit reported a return from an unplanned outage by November 21.

<http://www.caiso.com/unitstatus/data/unitstatus201011211515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201011191515.html>

### **Elk Hills Power's 552 MW Elk Hills Gas-Fired Power Plant in California Reduced by November 20, Ramps Up by November 21**

According to the California Independent System Operator, the power plant reported a return from an unplanned curtailment of 152 MW by November 21.

<http://www.caiso.com/unitstatus/data/unitstatus201011211515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201011201515.html>

### **TransAlta's 406 MW Sundance Coal-Fired Unit 5 Returns to Service November 21 in Alberta**

Two units remain shut: Unit 6 has been shut since November 20, and Unit 1 has been shut since July 9. Reuters, 05:16 November 22, 2010

### **Duke Energy Completes Construction of 200 MW Top of the World Wind Farm in Converse County, Wyoming**

The facility will provide wind energy to PacifiCorp.

<http://finance.yahoo.com/news/Duke-Energy-Rides-on-zacks-1220713538.html?x=0&.v=1>

### **Group of Missouri Utilities Seeks Permit to Build New Nuclear Reactor at Ameren's Callaway Plant November 19**

A group of Missouri utilities is seeking an early site permit from federal regulators to build a new reactor at Ameren Missouri's Callaway plant. The group has not yet decided whether to build the new reactor, but wants the option to do so. The group includes Ameren Missouri, the Association of Missouri Electric Cooperatives, Kansas City Power & Light, Empire District Electric Co., and the Missouri Public Utility Alliance.

<http://www.bloomberg.com/news/2010-11-19/ameren-joins-group-seeking-permit-for-new-missouri-nuclear-plant.html?cmpid=yahoo>

<http://www.kansascity.com/2010/11/19/2452616/nixon-announces-plans-for-second.html>

### **Zoning Board Rejects Allegheny and AEP's Proposed PATH Substation in Frederick County, Maryland November 19**

Allegheny Energy and American Electric Power (AEP) say that the substation is necessary for their proposed 275-mile Potomac-Appalachian Transmission Highline (PATH) transmission line through West Virginia, Virginia, and Maryland.

[http://www.herald-mail.com/?story\\_id=257046&cmd=displaystory](http://www.herald-mail.com/?story_id=257046&cmd=displaystory)

### **Judge Approves Xcel and Tri-State's Proposed 140-Mile Power Line in Colorado November 19**

Xcel Energy and the Tri-State Generation and Transmission Association's proposed power line would carry solar-generated electricity from the San Luis Valley to Pueblo in Colorado.

<http://www.bizjournals.com/denver/news/2010/11/20/power-line.html?ana=yfcpc>

## **Update: Allegheny Cancels Proposed 37-Mile, 500 kV Power Line in Pennsylvania November 19**

The line was supposed to be part of Allegheny Energy's proposed 215-mile power line that would run from Virginia through West Virginia to a substation in Pennsylvania. As part of its settlement with local and state groups opposed to the power line proposal, the company will make upgrades to its infrastructure instead.

[http://www.pittsburghlive.com/x/pittsburghtrib/business/s\\_710252.html#](http://www.pittsburghlive.com/x/pittsburghtrib/business/s_710252.html#)

## ***Petroleum***

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### **Power Outage Leads to Loss of Steam, Unit Shutdown at Houston Refining's 280,700 b/d Houston, Texas Refinery November 20**

The facility restarted by November 22.

Reuters, 10:13 November 22, 2010

Reuters, 10:51 November 22, 2010

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=147621>

### **Process Malfunction Leads to Potential Hydrogen Sulfide Release at BP's 265,000 b/d Carson, California Refinery November 19**

A flaring event also occurred on November 20 at the facility. It is not clear if there was any effect on production.

Reuters, 10:55 November 22, 2010

### **Update: Hess's 70,000 b/d Port Reading, New Jersey Refinery Returns to Normal Production Levels by November 21**

Work has been completed on the fluid catalytic converter (FCC) at the refinery. It had been idled for unplanned maintenance after a brief power outage on November 10.

<http://www.bloomberg.com/news/2010-11-22/hess-restarts-port-reading-new-jersey-oil-refinery-update1-.html>

<http://af.reuters.com/article/energyOilNews/idAFN2226924420101122>

### **Nigeria Producing Approximately 215,000 b/d of Bonny Light Crude after Shell Declares Force Majeure on Exports November 19**

Shell declared force majeure following pipeline damage, though the company declined to comment on the production impact. Nigeria was expected to export 317,000 b/d of bonny light crude this month.

Reuters, 07:47 November 22, 2010

## ***Natural Gas***

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### **Update: ExxonMobil Suspends Efforts to Build 1.2 Bcf/d BlueOcean Floating LNG Import Terminal Offshore New Jersey November 18**

The company said that the supply and demand outlook for the project had shifted since it was first proposed in 2007.

<http://www.platts.com/RSSFeedDetailedNews/RSSFeed/NaturalGas/8197040>

### **DCP Midstream Launches Non-Binding Open Season for Proposed 700-Mile, 130,000 b/d DCP Sandhills NGL Pipeline in Texas November 18**

The pipeline will bring to market natural gas liquids (NGLs) produced from the Avalon Shale and Eagle Ford Shale in Texas. It is due to be in service in 2013.

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=24741](http://www.downstreamtoday.com/news/article.aspx?a_id=24741)

### **Macquarie, Freeport LNG Plan 1.4 Bcf/d LNG Export Plant in Texas**

The export facility would be fully operational by 2015, and would be located at Freeport's existing LNG import terminal in Freeport, Texas. The facility will use four liquefaction trains to turn domestically produced natural gas into LNG for export.

Reuters, 10:00 November 22, 2010

Reuters, 11:27 November 22, 2010

<http://af.reuters.com/article/energyOilNews/idAFSGE6AL0QY20101122>

## Other News

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Nothing to report.

## Energy Prices

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U.S. Oil and Gas Prices November 22, 2010			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	80.94	85.24	76.80
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.79	3.50	3.57

Source: Reuters

## Energy Notes

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**Snow Storm Damages Power Lines, Knocks Out Power to 16,000 Rocky Mountain Power Customers in Utah November 21 – 2,600 Customers Still Lacked Power the Morning of November 22**

<http://www.sltrib.com/sltrib/home/50721567-76/snow-lake-salt-sunday.html.csp>

<http://www.deseretnews.com/article/700084224/Utah-wintery-weather-blamed-for-power-outages-accidents.html>

**Investigators Find PG&E at Fault for Deadly 2008 Gas Explosion in Rancho Cordova, California – State PUC Files Administrative Charges against PG&E**

<http://www.news10.net/news/local/story.aspx?storyid=107135>

**NOVEC, NOVI Energy Get Green Light from Virginia State Corporation Commission to Begin Preliminary Construction on 50 MW South Boston Biomass Plant in Virginia – Plant Due to Enter Service in 2013**

<http://www2.insidenova.com/news/2010/nov/19/green-biomass-power-plant-planned-novec-ar-665523/>

**No Impact on Customers after 500 kV Transformer Catches Fire at BGE's Gambrills, Maryland Substation November 17**

<http://www.hometownannapolis.com/news/for/2010/11/18-40/Blaze-ignites-at-BGE-substation.html>

**MSHA Warns 13 Mining Operations in Seven States to Improve Safety November 19**

<http://www.latimes.com/business/nationworld/wire/sns-ap-us-problem-mines,0,998522.story>

**MSHA Launches Second Phase of Mine Safety Program, “Rules to Live By II”, Designed to Reduce Deaths in U.S. Coal Mines**

<http://www.deseretnews.com/article/700083553/Feds-launch-2nd-phase-of-mine-safety-campaign.html>

**Alliant Plans to Shut Four Combustion Turbines Totaling 17.5 MW at the 3320 Agency Street Substation in Burlington, Iowa**

<http://www.thehawkeye.com/story/Alliant-112010>

**Concord Steam Gets One-Year Extension to Find Customers and Financing for Its Proposed Wood-Burning Power Plant in Concord, New Hampshire**

<http://www.wmur.com/r/25850987/detail.html>

**CO2 Slug Decreases Gas Intake from 24-Inch Sandhills Pipeline and Shuts Waha Sales Line for Seven Hours at the Coyanosa Gas Plant in Texas November 21**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=147624>

**Upset Leads to Flaring at the Paques Sulfur Removal Plant in Texas November 20**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=147624>

**Flaring after Bad Valve Knocks Out Reinjection Compressor at Cogdell Canyon Reef Unit Battery 2 in Texas November 19-20**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=147620>

**SRU Pilot Failure Leads to Flaring at Willard CO2 Separation Plant in Texas November 20**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=147626>

**Flaring after C-28, C-29, C-30, and C-32 Compressors Shut Due to Oil Pressure Regulator Failure at Waddell Compressor Station in Texas November 19**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=147622>

## 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>

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