



# ENERGY ASSURANCE DAILY

Monday Evening, February 22, 2010

## *Electricity*

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### **Duke's 756 MW Moss Landing Unit 7 Gas-fired Unit in California Shut by February 19**

According to the California Independent System Operator, the unit reported an unplanned outage by February 19.  
<http://www.caiso.com/unitstatus/data/unitstatus201002191515.html>

### **NRG's 836 MW Limestone Coal-fired Unit 1 in Texas Shut February 19, Restored February 20**

According to a filing with state regulators, the unit experienced a breaker trip causing a main fuel trip. The unit was restored within one day.

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=136111>

### **Update: Duke Energy's 846 MW Oconee Nuke Unit 2 in South Carolina at Full Power by February 22**

The unit was shut on February 19 to repair a small leak in the cooling system. The Nuclear Regulatory Commission reported that on the morning of February 21 the unit was operating at 40 percent.

<http://www.lakewyliepilot.com/2010/02/19/635998/duke-energy-shuts-down-sc-reactor.html>

Information also derived from the NRC Power Reactor Status Reports:

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

### **Update: Exelon's 855 MW Quad Cities Nuke Unit 1 in Illinois at Full Power by February 22**

The Nuclear Regulatory Commission reported that on the morning of February 21 the unit was operating at 82 percent.

Information derived from the NRC Power Reactor Status Reports:

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

### **Update: Entergy's 813 MW FitzPatrick Nuke Unit in New York Ramped Up to 87 Percent by February 21**

The unit was shut on February 17 due to the identification of a tritium leak at the plant which remains under investigation. The Nuclear Regulatory Commission reported that on the morning of February 20 the unit was operating at 61 percent.

<http://www.publicbroadcasting.net/wrvo/news.newsmain/article/1/0/1613315/More.News.From.WRVO/Recent.Tritium.Leaks.At.Nuclear.Power.Plants.A.Concern>

Information also derived from the NRC Power Reactor Status Reports:

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

### **Update: Constellation's 565 MW Nine Mile Point Nuke Unit 1 in New York at Full Power by February 20**

The unit was slowed to allow workers to replace two valve controllers on the feedwater system. The Nuclear Regulatory Commission reported that on the morning of February 19 the unit was operating at 45 percent.

Bloomberg News, 08: 16 February 22, 2010

Information also derived from the NRC Power Reactor Status Reports:

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

## **Update: Duke's 756 MW Moss Landing Gas-fired Unit 7 in California Returns to Service by February 20**

According to the California Independent System Operator, the unit reported a return from an unplanned outage.  
<http://www.caiso.com/unitstatus/data/unitstatus201002201515.html>

## **Update: Dynegy's 335 MW El Segundo Gas-fired Unit 3 in California Returns to Service by February 19**

According to the California Independent System Operator, the unit reported a return from an unplanned outage.  
<http://www.caiso.com/unitstatus/data/unitstatus201002191515.html>

## **OPG's 500 MW Pickering Nuke Unit 1 in Ontario Shut February 21**

[http://reports.ieso.ca/public/GenOutputCapability/PUB\\_GenOutputCapability\\_20100221.xml](http://reports.ieso.ca/public/GenOutputCapability/PUB_GenOutputCapability_20100221.xml)

## **State of Wisconsin May Shut Down Five Coal-fired Power Plants Totaling 15 MW on Clean-Air Act Violations**

Five plants operated by the state are in jeopardy of being shut down for not being in compliance with clean-air regulations the Wisconsin Department of Natural Resources announced February 19. The plants, with a combined total of 15 MW, are all coal-fired and supply power to state institutional buildings.

[http://host.madison.com/wsj/news/local/govt\\_and\\_politics/article\\_92bd1030-1dcb-11df-9a92-001cc4c002e0.html](http://host.madison.com/wsj/news/local/govt_and_politics/article_92bd1030-1dcb-11df-9a92-001cc4c002e0.html)  
Wisconsin MW Data from EIA: <http://www.eia.doe.gov/fuelelectric.html>

## **Department of Energy Announces Nearly \$1.4 Billion in Conditional Loan Guarantees for BrightSource Energy's Ivanpah Solar Electric Generating System**

Energy Secretary Steven Chu announced February 22 conditional commitments for more than \$1.37 billion in loan guarantees under the American Recovery and Reinvestment Act (ARRA) to BrightSource Energy to support the construction and start-up of three utility-scale concentrated solar power plants to be located in southeastern California. The new plants will have a capacity to generate 392 MW of electricity using solar thermal technology. This would nearly double the existing generation capacity of this type of renewable energy in the U.S., the Department of Energy reported. On February 11, 2010, BrightSource had proposed a reduced footprint alternative mitigation plan for the system to address environmental concerns raised during the permitting process. This included reducing the footprint by 23 percent and reducing the size of the project from 440 MW to 392 MW.

<http://www.energy.gov/news/8675.htm>

[http://www.brightsourceenergy.com/images/uploads/press\\_releases/BSE\\_Press\\_Release\\_DOE\\_Announcement\\_2\\_2\\_10\\_FINAL-1.pdf](http://www.brightsourceenergy.com/images/uploads/press_releases/BSE_Press_Release_DOE_Announcement_2_2_10_FINAL-1.pdf)

[http://www.brightsourceenergy.com/images/uploads/press\\_releases/BSE\\_M3\\_Press\\_Release\\_FINAL.pdf](http://www.brightsourceenergy.com/images/uploads/press_releases/BSE_M3_Press_Release_FINAL.pdf)

## ***Petroleum***

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### **Flaring Reported at Delek's 60,000 b/d Tyler, Texas Refinery February 19-20**

According to a filing with state regulators, Delek reported flaring at its refinery in Tyler, Texas due to unplanned work on the fluid catalytic cracking (FCC) unit's blowers.

<http://www.reuters.com/article/idUSN2218165620100222?type=marketsNews>

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=136114>

### **Update: Upgrader to Return in April at Suncor's Oil Sands Operation in Fort McMurray, Alberta Following February 9 Fire**

Suncor reported the company expects an upgrader at its oil sand production site in Alberta to return by early April following damage sustained by a fire in early February. Upgrader 1 at the site produced on average 125,000 b/d in 2009.

Bloomberg News, 10:38 February 22, 2010

### **Nigerian National Petroleum Corporation Officially Requests Military Protect Oil and Gas Pipelines from Sabotage**

The Nigerian National Petroleum Corporation (NNPC) requested that the country's military forces assist in protecting oil and gas pipelines from vandals in fear of a looming nation-wide shortage of electricity, oil and gas.

<http://www.thisdayonline.com/nview.php?id=167016>

## **Cleanup Continues After Tanker Overturms, Spills Gasoline Near Waco, Texas February 19**

Waco, Texas fire and police officials report an environmental cleanup crew continued to work until February 20 to cleanup 500 gallons of gasoline that spilled in a busy intersection following a tanker that overturned.

<http://www.kwtx.com/home/headlines/84768622.html>

## **Natural Gas**

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### **Xcel Energy Proposes Three-Year Plan to Inspect Gas Lines in Neighborhoods in Minnesota**

Xcel Energy recently proposed a plan to inspect tens of thousands of homes in the St. Paul, Minnesota area for possible mislaid utility lines in order to identify and repair any gas lines that might have breached state sewer pipes. The plan is in response to a fire that destroyed a home earlier this month.

<http://wcco.com/consumer/xcel.utility.lines.2.1507940.html>

<http://www.startribune.com/local/east/84821277.html?elr=KArksLckD8EQDUoaEyqyP4O:DW3ckUiD3aPc: Yyc: aUUsA>

### **Lightning Strike Ruptures Gas Pipeline in Atlanta, Georgia Area Causing Fire and Evacuation of Nearby Area February 22**

A storm came through the area of north Fulton County the morning of February 22 bringing lightning that struck a gas pipe causing a fire. Local police and fire authorities evacuated the area until Atlanta Gas Light crews could arrive to shut off the line. No injuries were reported.

<http://www.wsbtv.com/news/22629726/detail.html>

<http://www.ajc.com/news/north-fulton/johns-creek-residents-return-320823.html>

## **Other News**

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### **Texas, Kansas Lead States in Nation for Wind Power Potential, Department of Energy Reports**

According to new data released by the Department of Energy, Texas now ranks highest in wind energy potential followed by Kansas, Montana, Nebraska, South Dakota, and North Dakota. Kansas ranks highest in this assessment in part to the flatness of the state as well as the amount of land the state has made available for wind farm development. North Dakota had been ranked first in past assessments.

<http://www.awstruewind.com/news.cfm>

[http://www.awstruewind.com/files/AWST\\_NREL\\_wind\\_potential\\_80m\\_30percent\\_Feb10.pdf](http://www.awstruewind.com/files/AWST_NREL_wind_potential_80m_30percent_Feb10.pdf)

### **Train Crash Causes Fire near the Tehachapi Loop in California – Forces Freight Delays around the State**

A freight train derailed late February 21 causing one car carrying denatured alcohol to burst into flames producing a toxic cloud forcing nearby residents to be evacuated from their homes in the Kern County, California area.

Firefighters reported the fire was put out hours later only after it caught two additional rail cars on fire that were carrying plastic and corn meal. The BNSF Railway train was being operated by Union Pacific and due to the derailment; at least 18 trains were holding and approximately ten trains a day will be rerouted for the next couple of days, officials report.

<http://latimesblogs.latimes.com/lanow/2010/02/train-crash-fire-near-the-tehachapi-loop-causes-freight-delays-around-the-state.html>

<http://www.3news.co.nz/Alcohol-freight-train-derails-catches-fire/tabid/417/articleID/143126/Default.aspx>

## Energy Prices

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U.S. Oil and Gas Prices February 22, 2010			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	79.97	73.58	38.33
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	5.10	5.48	4.46

Source: Reuters

## Energy Notes

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### **Pacific Gas & Electric Crews Replace Electrical Tower Following Deadly Bay Area Plane Crash in California**

<http://www.fox40.com/news/headlines/ktxl-news-plane-crash-tower-replaced0219.0.1721604.story>

## 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)