



# ENERGY ASSURANCE DAILY

Tuesday Evening, December 31, 2013

## *Electricity*

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### **Update: Progress Energy's 811 MW Brunswick Nuclear Unit 2 in North Carolina Ramps Up to 89 Percent by December 31**

On the morning of December 30 the unit was operating at 49 percent from 20 percent on December 29, according to the Nuclear Regulatory Commission. The unit was operating at 90 percent on December 27 from full power on December 26.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

## *Petroleum*

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### **BNSF Train Hauling Crude Oil Derails, Explodes in North Dakota December 30**

A westbound BNSF grain train derailed at 2:10 p.m. CST yesterday, approximately one mile west of Casselton, North Dakota impacting an eastbound BNSF crude train on an adjacent track causing it to derail and explode. Approximately 21 cars involved in the derailment were on fire. There were no injuries to either of the train crews involved. There were 112 cars in the westbound grain train and 106 cars in the eastbound crude oil train. The majority of cars in both trains were not derailed and as many of those cars as possible were pulled away from the derailment location. The Cass County Sheriff's Office said on Monday night it was strongly recommending that residents in the town of Casselton and anyone living five miles to the south and east evacuate. The sheriff's office said the National Weather Service was forecasting a shift in the winds that would push the plume of smoke from the explosion down, possibly posing a health risk. Additional BNSF emergency response personnel and specially trained hazmat teams were dispatched to the scene and will work with local emergency responders to address the fires and spilled crude oil, according to BNSF.

<http://www.bnsf.com/media/casselton/>

[http://www.rigzone.com/news/oil\\_gas/a/130872/Fiery\\_Oil\\_Train\\_Collision\\_Forces\\_Evacuation\\_of\\_North\\_Dakota\\_Town](http://www.rigzone.com/news/oil_gas/a/130872/Fiery_Oil_Train_Collision_Forces_Evacuation_of_North_Dakota_Town)

[http://usnews.nbcnews.com/\\_news/2013/12/30/22113442-mile-long-train-carrying-crude-oil-derails-explodes-in-north-dakota?lite](http://usnews.nbcnews.com/_news/2013/12/30/22113442-mile-long-train-carrying-crude-oil-derails-explodes-in-north-dakota?lite)

## *Natural Gas*

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### **Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas December 29**

Regency reported the acid gas injector (AGI) compressor shut on low lubricator flow. The lubricator flow was corrected and the compressor was prepared for restart. The fifth stage actuator valve was found to have a leak and the compressor could not be restarted until the valve was repaired and reinstalled. The leaking valve was pulled and sent offsite for repair. The valve will be installed and the compressor restarted as soon as repairs are complete. The AGI flare and AGI volume meter are in service during the downtime.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=192347>

## **ExxonMobil Reports Cat-3 Unit Shut at Its 65 MMcf/d Dollarhide Gas Plant in Texas December 29**

ExxonMobil reported the cat-3 unit went down on electrical panel shutdown at its Dollarhide gas plant. Mechanics adjusted the fuel mixture, load screw, and throttle and the unit was restarted. The plant operator had the LPC wells shut-in to curve flare.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=192353>

## **Southern Union Reports Flaring Due to Field Compression Shutdown at Its Keystone Gas Plant in Texas December 30**

Southern Union reported it flared some of the low pressure gathering gas coming into the plant due to field compression shutdown. Mechanics were called out to work on the field units, the valves were replaced, and the units were put on line.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=192384>

## **Enbridge Reports AGIs Trip at Its Tilden Gas Plant in Texas December 30**

Enbridge reported acid gas injector (AGI) no. 2 tripped on cooler motor fault. While AGI no. 2 was down, AGI no. 3 came down several times on high suction pressure. It was determined that AGI no. 2 tripped due to a bad landing point for the cooling motor inside the control panel. Control wires were relocated to a new landing point and AGI no. 2 was successfully restarted and stabilized. AGI no. 3 was restarted several times while AGI no. 2 was down but was unable to maintain normal operation and tripped on high suction pressure. Once AGI no. 2 was stabilized, AGI no. 3 was again restarted and stabilized. Later that same day, AGI no. 3 tripped on low lube oil pressure and AGI no. 2 tripped on oil cooler motor fault. Plant mechanics found the shaft on the oil pump had broken and the pump was replaced. The electrical breaker on oil cooler motor would not reset so electrical breaker was disengaged and reset. AGI no. 3 and AGI no. 2 were started and stabilized.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=192382>

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=192341>

## ***Other News***

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Nothing to report.

## ***International News***

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Nothing to report.

## ***Energy Prices***

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<b>U.S. Oil and Gas Prices</b>			
December 31, 2013			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b>			
<b>West Texas Intermediate U.S.</b>	98.64	99.20	91.40
\$/Barrel			
<b>NATURAL GAS</b>			
<b>Henry Hub</b>	4.31	4.42	3.36
\$/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>

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