



# ENERGY ASSURANCE DAILY

Monday Evening, November 04, 2013

## *Electricity*

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### **Strong Windstorm Leaves Over 350,000 Hydro-Quebec Customers Without Power November 1**

On November 1, a low-pressure system crossed southern Quebec with strong winds and heavy rains causing outages on Hydro-Quebec's power system. At the peak of the storm last Friday, at 7 p.m. EDT, nearly 351,000 customers were without power. As of Sunday, the power had been restored for more than 95 percent of affected customers. The restoration efforts continue in areas where repair teams have to deal with damage on the system. Hydro-Québec asked crews from New Brunswick and Vermont for additional help in its restoration efforts.

<http://news.hydroquebec.com/en/failures/hq/30/update-on-power-outages/#.UnfwyPmfh6s>

### **Windstorm Knocks Out Power to More Than 105,000 Puget Sound Energy Customers in Washington November 2**

Puget Sound Energy (PSE) said more than 105,000 customers lost power because of Saturday's windstorm with Kitsap County, north King County, and Whidbey Island being the hardest hit locations. At 9 a.m. PST Sunday, roughly 1,400 customers in Kitsap County were still without power, and PSE said it expected to finish restoring power by 6 p.m. PST on Sunday.

<https://twitter.com/PSETalk>

<http://blogs.seattletimes.com/today/2013/11/more-than-10000-still-without-power-in-king-snohomish-counties/>

### **Texas Has Enough Power Supplies for Winter, Spring – ERCOT**

The Electric Reliability Council of Texas (ERCOT) on Friday released its final Seasonal Assessment of Resource Adequacy (SARA) for the upcoming winter and a preliminary outlook for spring. Forecasters expect peak demand this winter to remain below 50,000 MW. Although some generators have announced plans to retire or temporarily shut down units that were included in the preliminary forecast, about 74,000 MW of resources are slated to be available during the winter months. Assuming typical generation outages, ERCOT expects to be able to handle that level of demand or higher this winter. If extremely high electric use and power plant outages beyond the planning scenarios were to occur simultaneously, there is a slight possibility that ERCOT would need to take steps to reduce demand on the grid. ERCOT expects electric demand next spring will not exceed 57,000 MW, and nearly 73,000 MW of generation capacity is expected to be available. Beginning with the spring 2014 SARA, ERCOT is adjusting how it measures expected power plant outages, basing its forecast on performance during the past three years rather than the current method that relies on a six-year average. The final spring 2014 SARA and preliminary outlook for summer 2014 will be released on March 1.

[http://www.ercot.com/news/press\\_releases/show/26555](http://www.ercot.com/news/press_releases/show/26555)

### **Update: Luminant's 1,150 MW Comanche Peak Nuclear Unit 2 in Texas Shut November 1; Restarts, Ramps Up to 45 Percent by November 4**

Luminant reported the unit 2 reactor tripped during solid state protection system slave relay testing. While positioning the slave relay switch in a testing lineup, the relay actuated and the unit 2 turbine tripped as well as the main feedwater pumps. The turbine trip actuated the reactor trip since power was above 50 percent. Unit 2 was maintained in hot standby and the emergency response guideline procedure network was exited. The unit restarted and ramped up to 45 percent power by November 4, according to the Nuclear Regulatory Commission.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131104en.html>

### **Luminant's 593 MW Big Brown Coal-Fired Unit in Texas Shut October 31**

The unit tripped off line on Thursday, the company told state regulators in a report Friday. The company said the unit tripped while at load due to a boiler feed pump swing caused by wet fuel plugging the feeders/bowl mills.  
Reuters, 12:32 November 1, 2013

### **Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi Shut by November 2**

Entergy Corp. said its Grand Gulf nuclear power plant in Mississippi was shut for repairs on a hydraulic leak on a non-safety related component. On the morning of November 1 the unit was operating at full power, according to the Nuclear Regulatory Commission.

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

Reuters, 08:50 November 4, 2013

### **Update: Southern's 1,149 MW Vogtle Nuclear Unit 2 in Georgia Ramped Up to 92 Percent by November 3**

On the morning of November 2 the unit was operating at 69 percent after restarting by October 24, according to the Nuclear Regulatory Commission. The unit is returning from a shutdown that began October 19 when the turbine tripped and caused the reactor to automatically shut down for safety reasons

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131021en.html>

### **NMC Reports Ventilation System Trains Declared Inoperable at Its 522 MW Prairie Island Nuclear Unit 1 in Minnesota November 1**

NMC reported that both trains of the auxiliary building special ventilation system were declared inoperable. Administrative controls were reestablished by installing a closure device in the opening and both trains were declared operable at that time. During the time that the ventilation system was out of service, no evolutions were in progress that could have resulted in an unmonitored release.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131104en.html>

### **PPL Reports Secondary Containment Differential Pressure Outside of Limits at Its 1,111 MW Susquehanna Nuclear Unit 2 in Pennsylvania November 1**

PPL reported differential pressure was lost in the unit 1 reactor building following a routine transfer of reactor protection system power supplies. Upon restoration from the power supply transfer, one of the reactor building exhaust fans tripped. There were no obvious malfunctions associated with the equipment and fan was able to be restarted.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131104en.html>

### **Dominion Reports Main Steam Line Radiation Monitor Out of Service at Its 1,130 MW Millstone Nuclear Power Plant in Connecticut November 3**

Dominion reported the main steamline radiation monitor failed to zero and was not available at its Millstone power plant. It was undetermined how long the radiation monitor will be out of service.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131104en.html>

### **Update: PG&E's 1,087 MW Diablo Canyon Nuclear Unit 1 in California at Full Power by November 4**

On the morning of November 3 the unit was operating at 55 percent after reducing to 50 percent by October 29, according to the Nuclear Regulatory Commission.

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

### **CDWR's 933 MW Hyatt-Thermalito Hydro Unit in California Reduced by November 2**

The unit entered a planned and unplanned curtailment of 570 MW. The unit returned from a planned curtailment of 510 MW by November 1.

<http://content.caiso.com/unitstatus/data/unitstatus201311021515.html>

### **AES's 175 MW Alamos Gas-fired Unit in California Shut by November 1**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201311011515.html>

## **Silicon Valley Power's 148 MW Donald Von Raesfeld Gas-fired Unit in California Shut by November 1**

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201311011515.html>

## **Consumer Energy Holds Groundbreaking on Its 105 MW Cross Winds Energy Park in Michigan November 1**

Consumers Energy held a groundbreaking event on Friday to officially start construction of its Cross Winds Energy Park. Cross Winds is expected to open in late 2014, fulfilling the state of Michigan's requirement that energy providers generate 10 percent of their power from renewable sources. The facility will include 62 wind turbines, with a total capacity of 105 MW. Initial construction will focus on building access drives and turbine foundations and will continue in coming months, weather permitting. Turbine construction is scheduled to begin next summer.

<http://www.consumersenergy.com/News.aspx?id=6721&year=2013>

## ***Petroleum***

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### **Update: Tesoro Restarts 35-mile Section of High Plains Pipeline in North Dakota After 20,000 Barrel Spill**

Tesoro Logistics, L.P. said November 1 that it is restarting its Mountrail County, North Dakota pipeline following shutdown on September 29 due to a crude oil spill. Permission to return the line to service was granted by the Pipeline and Hazardous Materials Safety Administration (PHMSA) following completion of a number of short and long-term system-wide improvements to protect people and surrounding environments. The damaged portion of the pipeline was removed and sent to an independent laboratory for analysis. While final results are pending, the preliminary report indicates that the likely cause of the small diameter hole in the pipeline was from electrical discharge although the source of the electrical current remains under investigation. According to the initial lab report, there were no signs of corrosion or other defects at the failure location. To ensure integrity before restarting the line, Tesoro performed a hydrotest on the replaced segment; executed a tightness test holding pressure on the 35-mile section of the line from Tioga to Black Slough to verify soundness of the system; conducted investigations at six different locations on the pipeline to address findings from the September 10–11 smart pig inspection of the 35-mile section of the line from Tioga to Black Slough and found no areas of concern; and installed additional integrity monitoring equipment and online analysis along the entire 35-mile section designed to detect indications of a potential leak. As of October 31, more than 4,500 of the estimated 20,000 barrels released have been recovered from the site.

<http://www.tesorologistics.com/phoenix.zhtml?c=242247&p=irol-newsArticle&ID=1871429&highlight>

### **Update: Illinois EPA Asks for Court-ordered Probe of Fire at Citgo's 167,000 Lemont, Illinois Refinery**

The Illinois Environmental Protection Agency (EPA) asked the state's Attorney General to seek a court order compelling Citgo Petroleum Corp. to investigate the October 23 fire at the company's refinery at Lemont, Illinois, the agency said in a statement on Friday. Citgo responded in a statement later on Friday that it looks forward to working the state agency as it repairs and restarts the unit most heavily damaged in the fire. The Illinois EPA said it wants Citgo to perform a root-cause analysis of the fire and submit that analysis for review by the state. The statement said the agency also wants Citgo to submit a work plan for cleaning up the site of the fire. The fire burned for at least three hours and shut down most of refinery's production.

Reuters, 19:07 November 1, 2013

### **Philadelphia Energy Restarts Units at Its 335,000 b/d Philadelphia, Pennsylvania Refinery October 29**

Philadelphia Energy Solutions reported the restart of a deisobutanizer unit and an isomerization unit at the Girard Point section of its refinery in Philadelphia, according to a notice with the state regulator made public on Friday.

Reuters, 16:12 November 1, 2013

### **Phillips 66 Reports FCCU Restart at Its 146,000 b/d Borger, Texas Refinery November 1**

Phillips 66 reported it was restarting the fluidic catalytic cracker unit (FCCU), which caused emissions at its Borger, Texas, refinery, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 18:39 November 1, 2013

## **Motiva Reports Operations Normal After Operation Upset at Its 235,000 b/d Convent, Louisiana Refinery November 4**

Motiva Enterprises LLC said on Monday an operational upset in an unspecified unit on Friday at its refinery in Convent, Louisiana, has been resolved and the refinery complex is now operating as planned. The company had reported flaring at the refinery due to an equipment failure late on Friday night.  
Reuters, 10:10 November 4, 2013

## **Update: Shell Restarting Units at Its 100,000 b/d Scotford, Alberta Refinery November 3**

Royal Dutch Shell Plc reported it was restarting units at its Scotford facility near Edmonton, Alberta, according to a message posted on a community information line on Sunday. There could be intermittent flaring over the next 48 hours, but there was no material impact on production due to the activity, the company said.  
Reuters, 22:08 November 3, 2013

## **Shell Pipeline Concludes Its Third Supplemental Open Season on 375,000 b/d Nederland-St. James Section of Ho-Ho Reversal Project from Texas to Louisiana**

Shell Pipeline has successfully completed a third supplemental open season period for additional firm capacity for the Nederland to St. James/Clovelly, Louisiana, route of the fully reversed Houma-to-Houston system (Ho-Ho) pipeline. Based on the supplemental commitments, Shell Pipeline is proceeding with expanding capacity by installing additional connectivity and pumping capabilities for this segment by early 2014. The final phase will connect Nederland terminals to Ho-Ho and bring the ultimate capacity from Nederland area origins to Louisiana destinations to approximately 375,000 b/d, depending upon crude types shipped. Phase 1 of the Ho-Ho reversal was completed in January 2013 to deliver crude oil from connecting pipelines and terminals in East Houston to the Nederland / Port Arthur area. The second phase of the project - to enable crude originating from the Texas markets to reach Louisiana markets - is progressing on schedule. The fully reversed system will be operational by end of 2013 when it will officially be renamed as the "Houston to Houma" pipeline system.

<http://www.shell.us/aboutshell/us-media-center/news-and-press-releases/2013/10312013-ho-ho-concludes.html>

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## ***Natural Gas***

### **Upton Reports Flaring at Its 112 MMcf/d Benedum Gas Plant in Texas October 3**

Upton reported flaring at its Benedum gas plant when a number of engines at the site went down with various equipment problems.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=190341>

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## ***Other News***

Nothing to report.

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## ***International News***

### **Al-Qaida Militants Bomb Yemen's 8,000 b/d Pipeline, Cause Leak November 4**

Al-Qaida militants bombed an oil pipeline in the Al-Saeed area of Shabwa province in southwest Yemen, halting oil shipments from the Iyadh fields. The attack caused an oil leak in the pipeline, which transports 8,000 b/d of oil to Al-Nashima, near Yemen's Belhaf LNG export terminal in the Gulf of Aden.

[http://www.upi.com/Top\\_News/World-News/2013/11/04/Al-Qaida-militants-bomb-Yemeni-oil-pipeline/UPI-24201383574503/?spt=rln&or=1](http://www.upi.com/Top_News/World-News/2013/11/04/Al-Qaida-militants-bomb-Yemeni-oil-pipeline/UPI-24201383574503/?spt=rln&or=1)

<http://www.france24.com/en/20131104-saboteurs-blow-yemen-oil-pipeline-security>

### **Militants Bomb Kirkuk-Ceyhan Oil Pipeline in Iraq November 2**

Three explosions from bombs planted by militants disabled the 600-mile oil pipeline that carries oil from Iraq to the Turkish port of Ceyhan. There were no casualties but oil production was suspended. An official with the state-owned North Oil Co. in Kirkuk said repairs were ongoing and expected pumping to resume Sunday.

<http://www.allvoices.com/contributed-news/15879405-violence-continues-in-iraq-oil-pipeline-bombed>

## Update: Libya's Al-Hariga Oil Export Terminal Remains Idle November 4

Protesters have kept up their blockade of the main oil facilities in Libya, where production has fallen 80 percent, the country's National Oil Corp. (NOC) said Monday. Current output is estimated to be running at 250,000 b/d, down from 1.5 million b/d before the protests, NOC said. Exports from Al-Hariga terminal in eastern Libya, which the government had said would resume by Monday, have not gone ahead for logistical reasons. In addition, output from Al-Sharara field, which produces 330,000 b/d, has been blocked by residents of the southern region of Ubari since October 28.

<http://www.france24.com/en/20131104-libya-oil-export-terminal-remains-idle>

## Energy Prices

U.S. Oil and Gas Prices			
November 4, 2013			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	94.80	98.37	84.76
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.45	3.57	3.54

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.oe.netl.doe.gov/ead.aspx>

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