



# ENERGY ASSURANCE DAILY

Monday Evening, March 16, 2015

## Electricity

### Windstorm Knocks Out Power to Over 125,000 Customers in Oregon, Washington, British Columbia March 15 – 16

A strong windstorm on Saturday evening brought down trees and power lines, knocking out power to 39,000 BC Hydro customers in British Columbia. On Sunday the windstorm knocked out power to 86,144 customers in Oregon and Washington. Wind gusts of up to 68 mph were reported and a high wind advisory was in effect for Oregon on Sunday evening. As of 3 p.m. EDT Monday, 11,067 customers remained without power.

Oregon, Washington, British Columbia Customer Power Outages			
March 14–16, 2015			
Electric Utility	State	Peak	Latest Reported
BC Hydro	BC	39,000	5,385
PGE	OR	70,452	5,662
Pacific Power	OR	3,392	12
Clark Public Utilities	WA	12,300	8
<b>TOTAL *</b>		<b>125,144</b>	<b>11,067</b>

\*Total outages represent only electric utilities listed in this table.

Sources:

[https://www.bchydro.com/outages/orsTableView.jsp?WT.ac=hp\\_mh\\_outlist](https://www.bchydro.com/outages/orsTableView.jsp?WT.ac=hp_mh_outlist)

[https://www.portlandgeneral.com/safety\\_outages/outages/outage\\_updates/outage\\_list.aspx](https://www.portlandgeneral.com/safety_outages/outages/outage_updates/outage_list.aspx)

<https://twitter.com/portlandgeneral>

<https://www.pacificpower.net/ed/po/ooi.html>

<https://www.facebook.com/ClarkPublicUtilities>

<http://www.clarkpublicutilities.com/index.cfm/safety-outages/power-outages/outage-map-mobile/>

<http://www.columbian.com/news/2015/mar/16/some-still-without-power-today/>

<http://infotel.ca/newsitem/windstorm-slams-bc-interior-knocking-power-out-to-39000/it17699>

[http://www.oregonlive.com/weather/index.ssf/2015/03/trees\\_down\\_power\\_out\\_as\\_high\\_w.html](http://www.oregonlive.com/weather/index.ssf/2015/03/trees_down_power_out_as_high_w.html)

### Pole Fires Knock Out Power to More than 25,000 PowerStream Customers in Ontario March 14

Freezing rain and ice pellets interacting with the road salt residue that had encrusted electrical poles and equipment stirred up by vehicle traffic over the winter months, ignited several pole fires that knocked out power to more than 25,000 PowerStream customers Saturday evening. All customers had power restored by Monday morning.

<http://www.arcgis.com/apps/OnePane/basicviewer/index.html?appid=bde5d03a4b7d4097a59125a8b50117ac>

<https://twitter.com/PowerStreamNews>

<http://blog.powerstream.ca/2015/03/hydro-poles-catch-fire/>

### Constellation's 565 MW Nine Mile Point Nuclear Unit 1 in New York Shut by March 16

On the morning of March 15 the unit was operating at 90 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

### PSE&G's 1,096 MW Salem Nuclear Unit 1 in New Jersey Shut on March 15

The unit shut from 61 percent power due to failure to restore the containment fan cooler unit.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20150316en.html>

### **Update: TVA's 1,125 MW Sequoyah Nuclear Unit 1 in Tennessee Restarts by March 15, Ramps Up to 75 Percent by March 16**

On the morning of March 15 the unit had restarted and ramped up to 54 percent. The unit experienced an automatic reactor trip from full power on March 11 due to a nuclear instrumentation signal.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20150312en.html>

### **Southern's 1,149 MW Vogtle Nuclear Unit 2 in Georgia Shut on March 14**

The unit experienced an automatic reactor trip from full power on a system injection actuation signal.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20150316en.html>

### **TVA's 1,118 MW Browns Ferry Nuclear Unit 2 in Alabama Shut by March 14**

On the morning of March 13 the unit was operating at 92 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

### **Update: FPL's 839 MW Saint Lucie Nuclear Unit 2 in Florida at Full Power by March 14**

On the morning of March 13 the unit was operating at 85 percent, reduced from full power by March 10.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

### **SCANA Says Two 1,117 MW Reactors at Its V.C. Summer Nuclear Plant in South Carolina Delayed More than One Year**

SCANA Corp. said delays in construction of its V.C. Summer Nuclear Station will drive plant costs up \$1.2 billion, and is expected to push back completion of each of the two 1,117 MW reactors at the Jenkinsville, South Carolina plant back a little more than a year. SCANA outlined the delays in a filing with the S.C. Public Service Commission because they will cause the project to miss some milestones the regulators set. The filing warns that the price estimates may still rise further, as discussions continue with Westinghouse and CB&I.

<https://www.scana.com/docs/librariesprovider15/pdfs/press-releases/03-12-2015-south-carolina-electric-amp-gas-company-requests-update-to-construction-and-capital-cost-schedules-for-new-nuclear-units.pdf?sfvrsn=0>

<http://www.bizjournals.com/charlotte/blog/energy/2015/03/scana-tells-regulators-nuke-plant-will-be-delayed.html?ana=yahoo>

## ***Petroleum***

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### **PES Reports Unit Shut at Its 335,000 b/d Philadelphia, Pennsylvania Refinery March 9**

Philadelphia Energy Solutions (PES) said unit 868 at the Point Breeze section of its Philadelphia, Pennsylvania refinery shut for repair on March 9.

Reuters, 16:40 March 13, 2015

### **ExxonMobil Reports Hydrogen Sulfide Emissions at Its 238,600 b/d Joliet, Illinois Refinery March 14**

Reuters, 10:19 March 16, 2015

### **Update: ExxonMobil Says Operations Normal at Its 560,500 b/d Baytown, Texas Refinery March 16**

The company on March 11 said it cut production rates at the refinery due to the Houston Ship Channel closure.

Reuters, 9:18 March 16, 2015

### **Phillips 66 Reports FCCU Shut at Its 247,000 b/d Sweeny, Texas Refinery March 14**

Phillips 66 reported the shutdown of the fluid catalytic cracking unit (FCCU) at its Sweeny, Texas, refinery on Saturday, according to a filing with the state pollution regulator.

Reuters, 21:23 March 15, 2015

## **Phillips 66 Reports Unplanned Flaring, Breakdown at Its 139,000 b/d Wilmington, California Refinery March 15**

Phillips 66 reported unplanned flaring due to a breakdown at its Los Angeles-area refinery in Wilmington, California, according to a filing with the South Coast Air Quality Management District. Reuters, 17:06 March 15, 2015

## **U.S. Oil Rig Count Falls to 866, Lowest Since March 2011 – Baker Hughes**

The number of rigs drilling for oil in the U.S. fell by 56 last week to 866, the fewest since March 2011, Baker Hughes said in a survey on Friday. In addition, Canada saw drillers cut 65 rigs, the most since December, to 85, the lowest since January. That compared with 327 in the same week a year ago. The number of U.S. oil rigs this week fell for the 14th consecutive week, the second-longest streak for oil rig reductions since March 2009, when drillers cut the number of rigs drilling for oil for 15 weeks in a row. Producers continued to cut back on most drilling activity in Texas, the state with the most rigs, and the Permian basin, the fastest growing and largest U.S. shale play in western Texas and eastern New Mexico.

Reuters, 13:37 March 13, 2015

## **Marathon Extends Open Season for Its Cornerstone Pipeline and Utica Build-Out Projects in Ohio**

Marathon Pipe Line LLC (MPL) and Ohio River Pipe Line LLC (ORPL) announced an extension of the binding open season on the Cornerstone Pipeline and other associated Utica Shale build-out projects to April 13. The proposed Cornerstone Pipeline will originate in Harrison County, Ohio and deliver to Marathon Petroleum Company LP's (MPC) Canton, Ohio refinery and to ORPL's East Sparta, Ohio tank farm. The Cornerstone Pipeline is being designed as a 16-inch diameter pipeline system that will be routed to provide the opportunity for connections to various Utica Shale condensate stabilization facilities, fractionator facilities, cryogenic facilities, along with potential future gathering and storage facilities. The Cornerstone Pipeline will be a batched system with the ability to transport condensate, gasoline, diluents, and butane. The estimated in-service date for the Cornerstone Pipeline is anticipated to be late 2016. MPL, as operator of ORPL, is also advancing various Utica Build-Out Projects to provide service to additional markets beyond Canton, Ohio. The Cornerstone Pipeline will deliver volumes into the East Sparta tank farm for transportation to additional markets via the Utica Build-Out Projects, which include new construction and utilization of existing pipelines. These projects connect many of the Midwestern refineries to the Utica Shale production and ultimately provide the ability to reach Chicago, Illinois area refineries and pipelines that supply diluent to Western Canada. The estimated in-service date for all of the Utica Build-Out Projects is anticipated to be mid-2017.

[http://www.marathonpipeline.com/Shippers/Cornerstone PipelineUtica BuildOut Projects Binding Open Season/](http://www.marathonpipeline.com/Shippers/Cornerstone_PipelineUtica_BuildOut_Projects_Binding_Open_Season/)

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## ***Natural Gas***

### **Enbridge Reports Units Shut Due to Power Loss at Its Pittsburg Gas Plant in Texas March 14**

Enbridge reported a utility power failure resulted in the inlet treater, sulfur recovery unit (SRU), and SCOT to shut. The equipment was brought back online and to mitigate emissions, the thermal oxidizer was utilized.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=211341>

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## ***Other News***

Nothing to report.

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## ***International News***

### **Update: Iraqi Kurdistan's Kirkuk-Ceyhan Crude Oil Pipeline Resumes Flows March 13 – Turkish Official**

Pumping of oil along Iraqi Kurdistan's pipeline carrying crude to the Turkish Mediterranean port of Ceyhan resumed on Friday night, following a closure due to damage caused by theft, a Turkish official said. The pipeline, which has recently been pumping around 450,000 b/d, had been out of service since Monday for repairs.

Reuters, 8:39 March 14, 2015

## Shell Says Production from Kashagan Oilfield in Kazakhstan to Resume In 2017

Production from Kazakhstan's giant Kashagan oilfield is expected to resume in 2017, more than three years after being suspended due to a pipeline leak, stake holder Royal Dutch Shell said. Operations at the major field, expected to reach production of 300,000 barrels of oil equivalent, started in September 2013 and were halted a month later due to gas leaks from the sour gas pipeline.

[http://www.rigzone.com/news/oil\\_gas/a/137672/Shell\\_Kashagan\\_Oil\\_Production\\_To\\_Resume\\_In\\_2017#sthash.9krwHoh.dpuf](http://www.rigzone.com/news/oil_gas/a/137672/Shell_Kashagan_Oil_Production_To_Resume_In_2017#sthash.9krwHoh.dpuf)

## Libya's Oil Output Rises to 490,000 b/d – Industry Source

Libya's oil production has risen to around 490,000 b/d, an industry source said on Monday. The El Feel and Wafa oilfields in western Libya were restarted while maintaining production at eastern fields. Force majeure has been declared at central fields due to attacks by militants.

Reuters, 9:04 March 16, 2015

## Energy Prices

U.S. Oil and Gas Prices March 16, 2015			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	43.93	50.25	98.79
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.66	2.88	4.39

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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