



# ENERGY ASSURANCE DAILY

Friday Evening, December 12, 2014

## Electricity

### Windstorm Knocks Out Power to Over 522,000 Customers in Pacific Northwest December 11–12

High winds with gusts up to 71 mph knocked out power to 522,300 customers in Oregon, Washington, and British Columbia Thursday night into Friday. As of 3:30 p.m. EST, 62,680 customers remained without power. Puget Sound Energy (PSE), the hardest hit utility, reported 246,000 customers were affected by the high winds, which caused trees to topple onto power lines and infrastructure.

Oregon, Washington, and British Columbia Customer Power Outages December 11–12, 2014			
Electric Utility	State	Total Affected	Latest Reported
Portland General Electric	OR	107,000	12,914
Puget Sound Energy	WA	246,000	33,211
Clark Public Utilities	WA	62,000	2,106
Tacoma Public Utilities	WA	22,500	130
Seattle City Light	WA	14,800	472
BC Hydro	British Columbia	70,000	13,847
<b>TOTAL *</b>		<b>522,300</b>	<b>62,680</b>

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

Sources:

<https://www.portlandgeneral.com/default.aspx>

[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://pse.com/accountsandservices/ServiceAlert/Pages/Outage-List.aspx?mode=list>

<https://twitter.com/PSETalk>

<https://twitter.com/SEACityLight>

<http://www.seattle.gov/light/sysstat/>

<https://twitter.com/mytpu>

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

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

[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://twitter.com/bchydro>

<http://blogs.seattletimes.com/today/2014/12/100k-customers-without-power-across-western-washington/>

<http://globalnews.ca/news/1723043/over-40000-homes-in-southern-b-c-without-power-due-to-storm/>

### Update: Strong Storm Knocks Out Power to Over 66,000 Customers in Southern California; 22,598 Remain Without Power in Northern California December 12

A strong storm producing heavy rain and high winds that knocked out power to nearly 300,000 Pacific Gas and Electric (PG&E) customers in northern California late Wednesday moved south knocking out power to 66,435 customers Thursday night into Friday. Southern California Edison (SCE) reported 36,435 customers lost power and Los Angeles Department of Water and Power (LADWP) reported 30,000 customers without power. As of 3:30 p.m. EST, 22,131 SCE customers and 19,258 LADWP customers remained without power. LADWP estimates full restoration by tonight. PG&E was continuing restoration and reported 22,598 customers remained without power as of 3:30 p.m.

<https://www.sce.com/wps/portal/home/outage-center/outage-map/outage-list-view>

<https://www.sce.com/wps/portal/home/!ut/p/b1/rVXRlpowEP0V94HHmAkEEVqG1iLU6rpad>

<https://twitter.com/LADWP>

<https://twitter.com/pge4me>

## **Update: 11,046 Green Mountain Power Customers Remain Without Power December 12 after Winter Storm Hits Vermont December 11**

Green Mountain Power said 11,046 customers remained without power as of 3:30 p.m. EST on Friday after a second winter storm knocked out power to 95,175 Green Mountain Power customers on Thursday. The utility had restored the majority of the 51,000 customers who lost power from the snow storm that hit Tuesday evening into Wednesday. Governor Peter Shumlin on Thursday said it could be the end of the weekend before all customers have their power restored.

<http://www.burlingtonfreepress.com/story/news/local/vermont/2014/12/11/vermont-storm-power-outages/20241933/>

<https://twitter.com/greenmtnpower>

<https://wss.greenmountainpower.com/customers/outages/>

## **Entergy's 966 MW River Bend Nuclear Unit 1 in Louisiana Reduced to 81 Percent by December 12**

On the morning of December 11 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

## **Update: Dynegy's 335 MW El Segundo Gas-fired Unit 4 in California Returns to Service by December 11**

The unit returned from an unplanned outage that began by December 8.

<http://content.caiso.com/unitstatus/data/unitstatus201412111515.html>

## **Update: Cabrillo Power, LLC's 300 MW Encina Gas-fired Unit 4 in California Returns to Service by December 11**

The unit returned from an unplanned outage that began by December 10.

<http://content.caiso.com/unitstatus/data/unitstatus201412111515.html>

## **Dynegy, LLC's 510 MW Moss Landing Gas-fired Unit in California Reduced by December 11**

The unit entered an unplanned curtailment of 260 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201412111515.html>

## **SCE Selects Underground System to Store Used Nuclear Fuel at Its Retired San Onofre Nuclear Generating Station in California**

Southern California Edison (SCE) selected Holtec International to expand the San Onofre nuclear plant's storage of used nuclear fuel in a robust underground facility. The contract with Holtec represents a major step in the decommissioning of the nuclear plant. It sets the stage to transfer San Onofre's used fuel from steel-lined concrete storage pools to steel-and-concrete-encased canisters, with a goal of completing the work by mid-2019. Holtec's HI-STORM UMAX underground storage system features corrosion-resistant, stainless-steel fuel canisters topped with a 24,000-pound steel and concrete lid. The canisters will be encased in a concrete monolith. Engineering work is set to begin immediately, followed by fabrication of canisters. Completion of the dry storage project facilitates major dismantlement work SCE plans to complete within 20 years. SCE announced in June 2013 that it would retire San Onofre units 2 and 3, and begin preparations to decommission the facility.

<http://newsroom.edison.com/releases/sce-selects-robust-underground-system-to-store-san-onofre-used-nuclear-fuel>

## **Minnesota Power Receives FERC Approval for 500 kV Great Northern Transmission Line**

Minnesota Power on November 25 received Federal Energy Regulatory Commission (FERC) approval for a facilities construction agreement required to build the Great Northern Transmission Line, a 500 kV, 220-mile line that will run from the Canadian-U.S. border northwest of Roseau, Minnesota to an expanded Blackberry electric substation east of Grand Rapids, Minnesota. The Great Northern Line, under development by Minnesota Power and a Manitoba Hydro subsidiary, has an anticipated in-service date of June 1, 2020. It will provide 883 MW of transmission capacity, of which 383 MW will be used to deliver hydroelectric power purchased from Manitoba Hydro to serve Minnesota Power's customers.

[http://www.mnpower.com/Content/Documents/Company/PressReleases/2014/20141212\\_NewsRelease.pdf](http://www.mnpower.com/Content/Documents/Company/PressReleases/2014/20141212_NewsRelease.pdf)

### **Coast Guard Reports Minor Oil Spill at Sandy Hook Bay, New Jersey December 11**

The U.S. Coast Guard reported a minor oil spill on Thursday at Sandy Hook Bay in Monmouth County, New Jersey, and state officials said it did not pose an environmental threat. An oil sheen, about 1.5 miles west of the Coast Guard station at the northern tip of Sandy Hook, was about two miles long and quarter of a mile wide, a U.S. Coast Guard spokesman said. As a precaution, the Coast Guard secured Horseshoe Cove, part of the Sandy Hook National Park. Reuters, 22:34 December 11, 2014

### **EPA Says Cleanup from Plantation Pipe Line's 8,000 Gallon Gasoline Spill in South Carolina to Last 2–3 Weeks**

Environmental Protection Agency (EPA) officials reported December 10 that work to clean up an estimated 8,000-gallon gasoline leak from a 26-inch pipeline owned by the Plantation Pipe Line Company near Belton, South Carolina will continue for 2 to 3 weeks after the pipeline was shut off December 8 following a leak. Service was expected to resume December 11 while authorities continue to investigate the cause of the leak.

<http://www.greenvilleonline.com/story/news/local/2014/12/10/gas-leak-near-belton-sparks-cleanup/20189533/>

### **Statoil Reports 400 Barrel Oil Spill Due to Failed Valve in North Dakota December 8**

Statoil reported that a 400-barrel oil spill near Williston, North Dakota December 8 was caused by a failed valve. Regulators announced December 11 that the oil was contained and recovered at the site.

<http://www.therepublic.com/view/story/1956b1d74e334114afb0a447fadc8bcd/ND--Oil-Spill-Contained>

### **BP, Husky Begin Operations at 60,000 b/d Sunrise Oil Sands Project in Alberta December 12**

BP confirmed today that operations started at the Sunrise Phase 1 in-situ oil sands project in Alberta, Canada, with the start of steam generation. Husky Energy is the operator of Sunrise, a 50/50 joint venture with BP. Sunrise is being developed using steam assisted gravity drainage (SAGD), oil well technology which warms the underground bitumen (heavy oil) layers until warm enough to flow. Oil production is expected in the first quarter of 2015. The long term plan for Sunrise involves three phases of development growing production capacity to 200,000 b/d. This first phase is designed for 60,000 b/d (gross) bitumen capacity in two processing plants, expected to be reached over the next 18-24 months. The second plant of this first phase is due to start up around the middle of 2015. A second 70,000 b/d phase is in design stage, while the third phase is in early appraisal.

<http://www.bp.com/en/global/corporate/press/press-releases/sunrise-starts-operations-bps-sixth-major-project>

## ***Natural Gas***

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### **Southern Union Reports Units Shut at Its 140 MMcf/d Keystone Gas Plant in Texas December 11**

Southern Union reported unit 20 shut due to vibration and unit 24 shut on second stage high discharge pressure. A leaking fuel valve was found on unit 20.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=207362>

### **TransCanada Reports Capacity Reduction on a Section Its 6 Bcf/d ANR Pipeline Due to Engine Maintenance December 12**

TransCanada reported a capacity reduction on its ANR pipeline due to continuing planned and unplanned engine maintenance at various compressor stations located in the Southeast Central Fuel Segment (ME-3) along with scheduled pipeline work. The capacity will be reduced 60 MMcf/d (leaving 1,130 MMcf/d available) December 12–January 1; 340 MMcf/d January 2–24; 125 MMcf/d January 25–31; and 100 MMcf/d February 1–March 31. Based on current nominations, it is anticipated that the above reduction may result in the curtailment of IT and Firm Secondary nominations.

<http://anrebb.transcanada.com/>

## ***Other News***

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Nothing to report.

### Iran Condensate Exports Reach 190,000 b/d Due to Sanctions Loophole – IEA

Iranian exports of ultra-light oil have more than doubled this year from 2013 to about 190,000 b/d as buyers have taken advantage of a loophole in oil sanctions, International Energy Agency (IEA) data showed on Friday. Iranian sales of the light oil, known as condensate, do not fall under Western sanctions, which have limited exports of crude oil to 1 million b/d. Shipments of condensate from Iran's South Pars gas project averaged about 190,000 b/d from January through November this year up from 90,000 b/d during the same period a year ago, the IEA said.

Reuters, 6:16 December 12, 2014

<http://www.iea.org/newsroomandevents/news/2014/december/iea-releases-oil-market-report-for-december.html>

## Energy Prices

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U.S. Oil and Gas Prices December 12, 2014			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	58.12	65.47	97.54
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.68	3.55	4.24

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>

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