



ENERGY ASSURANCE DAILY

Monday Evening, December 12, 2016

Electricity

PGE, Pacific Power Report Power Restoration Complete after Winter Storm Hits Oregon December 9

Portland General Electric (PGE) restored power to approximately 94,000 customers in the Portland metropolitan area over the weekend after a winter storm hit last Thursday with affects lingering into Friday. PGE reported over 200 downed powerlines due to ice-laden trees and limbs. Pacific Power also reported it had restored power to its 5,964 customers in Northeast Portland who had power knocked out due to the storm.

<https://www.portlandgeneral.com/outages/outage-map>

<https://twitter.com/portlandgeneral>

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

<http://koin.com/2016/12/10/ice-related-power-issues-affect-thousands-in-oregon/>

PG&E Reports Power Restored to 41,000 Customers in Northern California after Transformer Outage December 10

Pacific Gas and Electric (PG&E) reported 41,000 customers in Berkeley, Oakland, and Emeryville were without power on Saturday afternoon for approximately three hours. The utility said the cause was likely due to an outage at its East Bay transformer.

https://m.pge.com/?WT.pgeac=Home_Outages#outages

<https://twitter.com/pge4me>

<http://www.berkeleyside.com/2016/12/10/breaking-power-outages-affect-large-swathes-of-south-and-west-berkeley/>

Constellation's 565 MW Nine Mile Point Nuclear Unit 1 in New York Shut December 10

The unit shut from full power due to high main turbine vibrations.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20161212en.html>

Energia Azteca X's 180 MW Gas-fired Unit in California Shut by December 11

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201612111515.html>

Energia de Baja California's 322 MW Gas-fired Unit in California Shut by December 11

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201612111515.html>

Mountainview Power's 525 MW Gas-fired Unit 4 in California Reduced by December 11

The unit entered an unplanned curtailment of 210 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201612111515.html>

Update: Solar Partners' 123 MW Ivanpah Solar Unit 1 in California Returns to Service by December 10

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

<http://content.aiso.com/unitstatus/data/unitstatus201612101515.html>

Update: Solar Partners' 133 MW Ivanpah Solar Unit 2 in California Returns to Service by December 10

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

<http://content.aiso.com/unitstatus/data/unitstatus201612101515.html>

Update: Solar Partners' 133 MW Ivanpah Solar Unit 3 in California Returns to Service by December 10

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

<http://content.aiso.com/unitstatus/data/unitstatus201612101515.html>

Update: Cabrillo Power's 110 MW Encina Gas-fired Unit 3 in California Returns to Service by December 9

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

<http://content.aiso.com/unitstatus/data/unitstatus201612091515.html>

Petroleum

PES Reports Unifier Unit Fire Extinguished at Its 335,000 b/d Philadelphia, Pennsylvania Refinery December 10

Philadelphia Energy Solutions (PES) on Sunday reported a fire that broke out at its Philadelphia, Pennsylvania late on Saturday had been extinguished. Sources familiar with plant operations said the fire occurred in a heater on the unifier unit. The unifier unit was shut on December 1 along with a reformer unit for repairs, the sources added.

Reuters, 2:03 December 11, 2016

Reuters, 12:44 December 11, 2016

Flint Hills Reports Unit Snag at Its 295,630 b/d Corpus Christi, Texas Refinery December 11

Flint Hills Resources reported flaring on December 11 at the west plant of its Corpus Christi, Texas refinery, according to a filing with the National Response Center. The company said the event occurred after a compressor tripped offline.

Reuters, 11:28 December 12, 2016

LyondellBasell's 263,776 b/d Houston, Texas Refinery Restarting after Power, Steam Loss December 11 – Sources

LyondellBasell Industries was continuing to restart its Houston, Texas refinery on Monday afternoon following a two-hour, plant-wide power outage on Sunday that forced the refinery to briefly shut down. Sources familiar with plant operations said several of the refinery's safety flares were triggered when the power failed and steam supply was lost. Lyondell began restarting units late on Sunday and hopes to restore full production by Wednesday, the sources added. There have been six power interruptions at the Lyondell Houston refinery this year including two plant-wide power outages, counting Sunday's event.

Reuters, 15:18 December 12, 2016

Reuters, 20:09 December 11, 2016

Phillips 66 Reports FCCU Excess Opacity, Equipment Restart at Its 146,000 b/d Borger, Texas Refinery December 11

Phillips 66 reported excess opacity and an equipment restart on December 11 at its Borger, Texas refinery, according to a filing with the Texas Commission on Environmental Quality. The filing said opacity from the fluid catalytic cracking unit (FCCU) exceeded 35 percent.

Reuters, 9:09 December 12, 2016

Delek Reports Excess Opacity, Catalytic Cracker Unit Upset at Its 72,000 b/d Tyler, Texas Refinery December 10

Delek reported the No. 9 boiler stack at its Tyler, Texas refinery experienced intermittent excess opacity on December 10 when the catalytic cracker unit experienced a process upset, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 21:52 December 11, 2016

PBF Energy Installs New Alkylation Unit at Its 149,500 b/d Torrance, California Refinery December 12 – Source

Sources familiar with operations at PBF Energy's Torrance, California refinery said the company has completed installation of a new Alkylation unit at the refinery, and that the unit was running.

Reuters, 11:12 December 12, 2016

Inter Pipeline to Acquire CNRL's Interest in Cold Lake Pipeline System; Announces New Oil Sands Transportation Agreement December 12

Inter Pipeline Ltd. on Monday announced it entered into an agreement to acquire Canadian Natural Resources Limited's (CNRL) 15 percent interest in the Cold Lake pipeline system by the end of 2016—a move that would give Inter 100 percent ownership of the 2,253-mile pipeline system, which ships bitumen blended with diluent to major crude oil terminal hubs in Edmonton and Hardisty, Alberta. Additionally, upon closing of the Cold Lake acquisition, Inter will enter into a binding long-term take-or-pay agreement with CNRL to transport diluted bitumen from CNRL's 100,000 b/d Kirby North oil sands project.

<http://www.interpipeline.com/news/news-releases.cfm?newsReleaseAction=view&releaseId=316>

Natural Gas

Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas December 10

Regency reported the acid gas injector (AGI) compressor shut on high fourth stage discharge temperature. The AGI unit was restarted.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=248470>

Other News

Nothing to report.

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
December 12, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	52.69	51.67	35.60
NATURAL GAS Henry Hub \$/Million Btu	3.75	3.41	1.91

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

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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