



# ENERGY ASSURANCE DAILY

Thursday Evening, September 11, 2014

## *Electricity*

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### **Hawaiian Electric Asks Oahu Customers to Conserve Power September 8 After 90 MW Waiiau and 208 MW Kalaeloa Generation Units Shut**

Hawaiian Electric asked Oahu customers to conserve electricity use on Monday evening due to the unavailability of two major generators -- one 208 MW unit operated by independent power producer, Kalaeloa Partners, and one 90 MW unit at Hawaiian Electric's Waiiau power plant -- and continued hot, muggy weather driving up air conditioning use and demand for electricity. Hawaiian Electric's 90 MW unit experienced a boiler leak but came back online later on Monday night after repairs were made. The Kalaeloa Partners plant went out of service unexpectedly Sunday evening and has as of late Monday restored about half of its output. The cause of the plant's initial problems was still under investigation by Kalaeloa Partners with assistance from Hawaiian Electric. Officials said there was an issue with the connection between the power plant and the electrical grid.

<http://www.hawaiianelectric.com/heco/hidden/Hidden/CorpComm/Hawaiian-Electric-asks-Oahu-customers-to-conserve-power?cpsectcurrchannel=1>

<http://www.hawaiianelectric.com/heco/hidden/Hidden/CorpComm/Hawaiian-Electric-issues-all-clear?cpsectcurrchannel=1>

<http://khon2.com/2014/09/09/boiler-leak-caused-issues-at-waiiau-plant-power-problem-remains-unsolved/>

### **Update: 2,000 DTE Customers Remain without Power in Michigan September 11**

Storms with heavy winds and lightning knocked out power to 375,000 DTE Energy customers in Michigan on Friday evening (September 5). As of 6:00 a.m. EDT today, approximately 2,000 customers remained without power. DTE expects all these customers will have their power restored today. Some scattered power outages resulted from a second storm that occurred early Thursday and will be restored today and Friday, according to DTE.

<https://www.facebook.com/dteenergy?sk=wall>

<https://www2.dteenergy.com/wps/portal/dte/residential/problemsSafety/details/outage%20center>

### **Snowstorm Knocks Out Power to 30,000 ENMAX Power Customers in Alberta September 10**

A rare September snowstorm hit Calgary, Alberta on Wednesday knocking out power to 30,000 ENMAX Power customers. The heavy, wet snow downed power lines and snapped tree branches, causing the power outages. As of 3:30 p.m. EDT today, 5,718 customers remained without power.

<https://www.enmax.com/generation-wires/outages>

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

<http://globalnews.ca/news/1555029/summer-snow-batters-calgary-for-a-third-day/>

### **PSE&G's 1,049 MW Hope Creek Nuclear Unit 1 in New Jersey Restarts, Ramps Up to 25 Percent by September 11**

The unit was shut by September 6 from full power.

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

### **Update: ARCO's 417 MW Watson Natural Gas-Fired Unit in California Returns to Service by September 10**

The unit returned from an unplanned curtailment of 165 MW that began by September 4.

<http://content.aiso.com/unitstatus/data/unitstatus201409101515.html>

### **Power Restored at Chevron's 245,271 b/d Richmond, California Refinery after Outage Shuts Several Units September 11**

Chevron Corp. said power was restored at its Richmond, California refinery following an unexpected outage that led to the shutdown of several units on Thursday morning. The company said there was some flaring this morning while a unit safely depressurized but the refinery continued to supply product to its customers.

Reuters, 11:33 September 11, 2014

### **Valero Reports Flaring at Its 132,000 b/d Benicia, California Refinery September 10**

Reuters, 19:21 September 10, 2014

### **Shell Reports Unit Shutdown at Its 156,400 b/d Martinez, California Refinery September 6**

Reuters, 16:19 September 10, 2014

### **Citgo Shuts Alkylation Unit at Its 172,045 b/d Lemont, Illinois Refinery September 10**

Citgo Petroleum Corp. shut the 16,200 b/d alkylation unit at its Lemont, Illinois refinery on Wednesday, according to trade sources. Energy industry intelligence service Genscape said the unit, which use hydrofluoric acid to convert refining by-products into additives that boost gasoline octane, was shut on Wednesday, but all other units at the refinery appeared to be operating normally. The trade sources said they understood production on the refinery's 58,000 b/d fluidic catalytic cracking unit had been cut back due to the alkylation unit shutdown.

Reuters, 13:52 September 11, 2014

### **Phillips 66 Reports Unit Shutdown at Its 200,000 b/d Ponca City, Oklahoma Refinery September 4**

Phillips 66 reported a unit shutdown led to carbon monoxide emissions on September 4, according to a filing with the Oklahoma Department of Environmental Quality.

Reuters, 17:20 September 10, 2014

### **CVR Energy Reports Hydrogen Sulfide Emissions at Its 70,000 b/d Wynnewood, Oklahoma Refinery September 6**

CVR Energy Inc reported hydrogen sulfide emissions from the north flare due to unknown reasons on September 6, according to a filing with the Oklahoma Department of Environmental Quality.

Reuters, 17:15 September 10, 2014

### **Pembina Pipeline to Increase Capacity of Phase III Pipeline Expansion in Alberta**

Pembina Pipeline Corporation on Wednesday announced that due to strong customer demand, it plans to expand its previously announced Phase III pipeline expansions by constructing a new 16-inch pipeline from Fox Creek, Alberta into Namao, Alberta and a new 12-inch pipeline from Wapiti, Alberta into Kakwa, Alberta. The 16-inch pipeline will span approximately 168-miles in length and be built in the same right-of-way as the proposed 24-inch diameter pipeline from Fox Creek to Namao. Pembina expects the two pipelines to initially have a combined capacity of 420,000 b/d and an ultimate capacity of over 680,000 b/d with the addition of midpoint pump stations. Since December 2013, Pembina has secured an additional 59,000 b/d under contract. With these commitments, total volumes under contract are approximately 289,000 b/d, or 69 percent of the initial combined capacity. The proposed Wapiti to Kakwa Pipeline is intended to debottleneck a portion of Pembina's existing pipeline system. It will be approximately 43-miles in length and is expected to have an initial capacity of approximately 95,000 b/d. This debottleneck will ultimately allow product to be delivered into the Company's core segment of the Phase III Expansion between Fox Creek and Namao. As part of this project, Pembina also plans to build two new pump stations. Subject to regulatory approval, Pembina expects the Wapiti to Kakwa Pipeline to be in-service in late-2016 to mid-2017, consistent with the timing of the initial expansion.

<http://pembina.mediaroom.com/index.php?s=10336&item=135247>

### **Cameron LNG Receives Final DOE Approval for 1.7 Bcf/d Liquefaction-Export Project in Louisiana**

Sempra Energy subsidiary Cameron LNG announced Wednesday that it has received final authorization from the U.S. Department of Energy (DOE) to export domestically produced liquefied natural gas (LNG) from its proposed liquefaction facilities in Hackberry, La., to countries that do not have a free-trade agreement (FTA) with the U.S. Earlier this year, Cameron LNG received authorization from the Federal Energy Regulatory Commission (FERC) to site, construct and operate the three-train liquefaction and export facilities. When fully completed, the project will have export capabilities of 12 million tonnes per annum of LNG, or approximately 1.7 Bcf/d.

<http://sempra.mediaroom.com/index.php?s=19080&item=136969>

### **Crowley First to Receive Small-Scale License for Supply, Transportation and Distribution of LNG into Non-FTA Countries**

Crowley Maritime Corp. subsidiary Carib Energy LLC has been granted a 20-year, small-scale U.S. Department of Energy (DOE) export license for the supply, transportation and distribution of U.S.-sourced liquefied natural gas (LNG) into Non-Free Trade Agreement (NTFA) countries in the Caribbean, Central and South America. The licensing permits Crowley to now export 14.6 Bcf of LNG annually (0.04 Bcf/d) – roughly the equivalent of 480,000 gallons – per day via 10,700 gallon ISO tanks to these regions. In addition to supplying NTFA countries, Crowley will also continue to supply Free Trade Agreement (FTA) countries with LNG. Crowley's Carib Energy was also the first to have been granted a 25-year, small-scale license for the transportation into these FTA countries, a clearance that permits Crowley to transport 0.03 Bcf/d or 360,000 gallons per day of U.S.-sourced LNG into FTA markets in the Caribbean and Central and South America.

<http://www.crowley.com/News-and-Media/Press-Releases/Crowley-First-to-Receive-Small-Scale-License-for-Supply-Transportation-and-Distribution-of-LNG-into-NTFA-Countries>

## **Other News**

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Nothing to report.

## **International News**

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### **Update: Repairs Complete on Yemen's 110,000 b/d Maarib Oil Pipeline after Attack, Pumping Resumes**

Yemen resumed pumping crude oil through its Maarib export pipeline after repair works were completed, the interior ministry said on Wednesday, after saboteurs blew it up on Monday, halting flows. The country's main Maarib pipeline carries around 70,000-110,000 barrels per day of Marib light crude. It was last repaired on August 8 after it was blown up on July 30.

<http://af.reuters.com/article/commoditiesNews/idAFL5N0RB55P20140910>

### **Update: Nexen's 200,000 b/d Buzzard Oilfield in UK North Sea Restarts Production – Trade Sources**

Britain's Buzzard oilfield restarted production after an unplanned outage, a trade source said on Thursday.

The field was pumping just over 100,000 b/d and was ramping up towards its maximum capacity of around 200,000 b/d, the source said. Buzzard operator Nexen said a minor system fault on Wednesday morning had required a short cessation of production.

Reuters, 5:01 September 11, 2014

## Energy Prices

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<b>U.S. Oil and Gas Prices</b> September 11, 2014			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	91.88	94.56	107.77
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.96	3.94	3.53

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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