



# ENERGY ASSURANCE DAILY

Thursday Evening, December 11, 2014

## *Electricity*

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### **Heavy Rain, High Winds Knock Out Power to Over 178,000 PG&E Customers in Northern California December 11; Storm Conditions Expected Through December 12**

A strong storm producing heavy rain and high winds arrived in northern California late Wednesday and intensified early Thursday, leaving power out to a peak of 178,733 Pacific Gas and Electric (PG&E) customers on Thursday morning. On Thursday morning PG&E reported that an outage at its Larkin substation in downtown San Francisco was affecting 80,000 customers but said that the station was expected to be restored later in the morning. As of 3:30 p.m. EST 130,331 PG&E customers remained without power. PG&E said there is no estimate as to when all power would be restored, but crews were working as quickly and safely as possible. Sacramento Municipal Utility District (SMUD) reported 11 outages were affecting about 400 of its customers. The National Weather Service reports heavy rainfall, blizzard conditions in the mountains, and strong winds will continue to hammer the state of California, including southern California, through Friday. Southern California Edison reported that its crews were preparing for potential damage from heavy rain expected Thursday evening into Friday.

<http://www.pge.com/myhome/outages/outage/>

<https://twitter.com/pge4me>

<https://twitter.com/PSETalk>

<http://sanfrancisco.cbslocal.com/2014/12/11/more-than-15000-pge-customers-wake-up-in-the-dark-as-storm-wallops-northern-california/>

<http://newsroom.edison.com/stories/sce-crews-ready-for-another-southern-california-rainstorm>

### **Strong Winds Knocks Out Power to 25,000 Puget Sound Energy Customers in Washington State December 10**

Strong winds knocked out power to 25,000 Puget Sound Energy (PSE) customers on Wednesday. By Thursday morning, 1,300 customers remained without power. Puget Sound Energy said it was preparing for possible widespread power outages with strong winds forecasted for later today.

<http://www.kirotv.com/news/news/day-heavy-rain-be-followed-high-winds/njPxJ/>

### **Update: Second Winter Storm Knocks Out Power to Over 95,000 Green Mountain Power Customers in Vermont December 11**

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. Green Mountain said icing on power lines was causing new problems but it had 550 crews working around the clock to restore power. As of 3:30 p.m. EST 23,616 customers remained without power.

<https://twitter.com/greenmtnpower>

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

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

<http://www.dailyjournal.net/view/story/b46a5e7945e340cbacc9d312df655be3/VT--Wintry-Weather-Vermont>

### **NMC's 522 MW Prairie Island Nuclear Unit 1 in Minnesota Shut December 11**

Unit 1 of the Prairie Island Nuclear Generating Plant was successfully shut down from full power at 1:35 a.m. local time today to replace a faulty reactor coolant pump seal. Work should be done in less than a week.

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

### **Cabrillo Power, LLC's 300 MW Encina Gas-fired Unit 4 in California Shut by December 10**

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201412101515.html>

### **U.S. Refiners Hit Record Crude Oil Throughput at 16.3 Million b/d**

U.S. refiners are consuming record levels of crude oil, federal data released Wednesday shows, but the surge may be short-lived as refinery margins begin to weaken, experts say. Last week, crude inputs at U.S. refineries rose to 16.3 million b/d, the largest volume in U.S. history, according to the Energy Information Administration. The input levels translated to refineries operating at 95.4 percent capacity, the highest since 2005, EIA data shows. The surge in U.S. refinery production is normal for this time of year, but the record figure underscores low crude oil prices, a stretch of healthy margins and a historically strong export market for refined products, experts say.

Reuters, 17:42 December 10, 2014

<http://www.eia.gov/forecasts/steo/>

### **Marathon's 451,000 b/d Galveston Bay, Texas Refinery Cracker Undamaged by Nearby Fire – Official**

The 60,000 b/d ultracracker unit at Marathon Petroleum Corp's Galveston Bay, Texas, refinery was undamaged by a nearby trash fire earlier this week, a city official said on Thursday. On Tuesday, Marathon told state regulators that the ultracracker unit had been "brought to a safe state" and reported flaring, but provided no explanation.

Reuters, 8:45 December 11, 2014

### **Enbridge Begins Line Fill on Its 450,000 b/d Seaway Twin Crude Pipeline from Oklahoma to Texas December 11**

Line fill on Enbridge's Seaway Twin crude oil pipeline was set to begin Thursday, according to a shipper notice. The notice said that the line fill was "subject to the success of Enterprise' meter acceptance."

Reuters, 10:45 December 11, 2014

<http://www.enbridge.com/DeliveringEnergy/OurPipelines/LiquidsPipelines.aspx>

## ***Natural Gas***

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### **Kinder Morgan and Cheniere Announce 550 MMcf/d Transportation, 3 Bcf Storage Agreements for LNG Export Facility in Texas**

Kinder Morgan, Inc. on Wednesday announced that Kinder Morgan Texas Pipeline, Kinder Morgan Tejas Pipeline and Tennessee Gas Pipeline Company (TGP) entered into 15-year firm transportation agreements and a multi-year storage agreement with Cheniere Energy, Inc. through its subsidiary, Corpus Christi Liquefaction, LLC. Under the agreements, KMI will provide 550 MMcf/d of firm natural gas transportation service, as well as 3 Bcf of natural gas storage capacity to serve the LNG export facility being developed near Corpus Christi, Texas. The project is being designed and permitted for up to three trains, with aggregate design production capacity of approximately 13.5 million tonnes per annum of LNG. The natural gas transportation service can be increased to 800 MMcf/d upon the completion of certain conditions in the Kinder Morgan Texas Pipeline agreement. KMI will expand its existing Texas intrastate pipeline system in South Texas to provide 250 MMcf/d of firm transportation and 100 percent of the storage services, and expand its TGP Pipeline to provide 300 MMcf/d of firm transportation from various Zone 1 receipt points near its Station 87 Pool located in Portland, Tennessee. The construction of the facilities necessary to support these services will be coordinated with the startup of the LNG export facility, which is expected in 2018/2019.

<http://phx.corporate-ir.net/phoenix.zhtml?c=93621&p=irol-newsArticle&ID=1996627>

### **Venture Global LNG Developing 10 Mtpa Calcasieu Pass LNG Export Facility in Louisiana**

Venture Global LNG announced today it is developing a liquefied natural gas (LNG) export facility, the Calcasieu Pass Project, in Cameron Parish, Louisiana along the Calcasieu Ship Channel where it meets the Gulf of Mexico. The plant will operate with a midscale, modular technology to capitalize on low-cost natural gas production. The Calcasieu Pass Project has received authorization from the U.S. Department of Energy to export 10 million tonnes per annum (mtpa) of LNG to countries with whom the U.S. already has a free trade agreement. Additionally, the project is seeking authorization from both the Federal Energy Regulatory Commission (FERC) and the US department of Energy to export 10 mtpa of LNG to non-FTA countries. The timeline for the project includes the regulatory and government filing process and securing commercial agreements through the year 2016, with operations beginning in late 2019.

<http://venturegloballng.com/wp-content/uploads/2014/12/FINAL-VG-ANNOUNCEMENT-Dec-10-Press-Release.pdf>

## Update: Dominion Reports Maxwell and Collins Stations in West Virginia Back in Service December 10 after Unplanned Maintenance

Dominion Transmission (DTI) reported its Collins and Maxwell Stations returned to service after being shut on Wednesday for unplanned maintenance. DTI also said all field compression in bubble 4401 and 4413 could be turned back.

[https://escript.dom.com/jsp/info\\_post.jsp?&company=dti#](https://escript.dom.com/jsp/info_post.jsp?&company=dti#)

## Southern Union Reports SRU Shut at Its 140 MMcf/d Keystone Gas Plant in Texas December 9

Southern Union reported its Keystone plant had too much sour gas coming in due to another gas plant in the area shutting down. The other plant was brought back on line and the additional sour gas was backed out from the Keystone plant.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=207317>

## Other News

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Nothing to report.

## International News

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Nothing to report.

## Energy Prices

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U.S. Oil and Gas Prices			
December 11, 2014			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	59.96	66.32	97.80
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.61	3.63	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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