



# ENERGY ASSURANCE DAILY

Friday Evening, December 27, 2013

## Electricity

### Update: 61,000 Customers in Michigan, Maine Remain Without Power After Dec 21–23 Ice, Snow Storm

Approximately 61,000 customers remained without power in Michigan and Maine on Friday after a snow and ice storm moved across the Midwest and Northeast last weekend and into Monday. As of 1 p.m. EST, Consumers Energy reported 46,000 customers remained without electricity and expect to restore power to all affected customers by Saturday. DTE Energy reported 2,700 customers remained without power as of 12 p.m. EST, out of 150,000 that had been affected by the storm. The company said this week’s continued harsh weather conditions knocked out power to an additional 50,000 customers and about 8,800 of those customers remained out of service. Extensive damage to the power lines, coupled with icy and frigid working conditions, has made it difficult to provide accurate restoration estimates for completing the work, DTE said, but it expects the last of its customers to be restored by the weekend. The Lansing Board of Water & Light reported, as of 5 a.m. EST, 2,600 customers remained without electricity. Central Maine Power reported that 4,412 customers were without power as of 3 p.m. EST.

Maine and Michigan Customer Power Outages			
December 27			
Electric Utility	State	Affected*	Latest Reported
Bangor Hydro	ME	33,000	6,136
Central Maine Power	ME	123,000	4,412
Consumers Energy	MI	348,000	46,000
DTE Energy	MI	150,000	2,700
Lansing Board of Water & Light	MI	34,800	2,600
<b>TOTAL**</b>		<b>688,800</b>	<b>61,848</b>

\*Affected at some point during the storm

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

Sources:

[http://apps.bhe.com/about/outages/Outage\\_Map.cfm](http://apps.bhe.com/about/outages/Outage_Map.cfm)

[https://twitter.com/bangorhydro\\_mps](https://twitter.com/bangorhydro_mps)

<http://www.cmpco.com/outages/outageinformation.html>

<http://www.cmpco.com/OurCompany/News/2013/news131226a.html>

<http://www.consumersenergy.com/outagemap>

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

<https://www2.dteenergy.com/wps/portal/dte/residential/problemsSafety>

<http://www.lbwl.com/alert/>

<https://twitter.com/bwlcomm>

## **Update: 58,000 Customers in Eastern Canada Remain Without Power After December 21–23 Ice Storm**

About 58,000 customers in Canada's eastern provinces remained without power after an ice storm moved across the provinces December 21–23. Toronto Hydro was working to restore power to the remaining 32,480 customers who remain without power following the ice storm. At the height of the storm, approximately 300,000 of its customers were affected. Since the start of the storm, 317,000 Hydro Quebec customers lost power. As of 1 p.m. EST, 3,900 households remained without electricity. Hydro Quebec said that because of the significant damage to vegetation in several sectors, access to the network is difficult and remote areas might not be repaired until tomorrow. Hydro One reported 7,793 customers remained without power as of 3 p.m. EST, down from 120,000 customers. New Brunswick Power reported 13,874 customers without power as of 3 p.m. EST.

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

<http://www.torontohydro.com/sites/corporate/newsroom/pages/newsroom.aspx>

<https://twitter.com/HydroQuebec>

<http://news.hydroquebec.com/en/failures/hq/35/update-on-service-interruptions-in-estrie-and-monteregie/#.Ur3ZMPRDsSk>

<http://www.hydroone.com/stormcenter3/>

<http://www.nbpower.com/Open/Outages.aspx>

## **Update: AES's 336 MW Alamitos Gas-fired Unit 4 in California Returns to Service by December 26**

The unit returned from an unplanned outage that began December 26.

<http://content.caiso.com/unitstatus/data/unitstatus201312261515.html>

## **Calpine's 525 MW Sutter Gas-fired Unit in California Reduced by December 26**

The unit entered an unplanned curtailment of 265 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201312261515.html>

## **Update: Entergy's 813 MW FitzPatrick Nuclear Unit in New York at Full Power by December 27**

On the morning of December 26 the unit was reduced to 50 percent from full power, according to the Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

## **Constellation's 1,120 MW Nine Mile Point Nuclear Unit 1 in New York Shut Due to Blown Fuse December 26**

Constellation reported its Nine Mile Point nuclear unit commenced a reactor shutdown as a result of the main steam isolation valve being declared inoperable due to a surveillance test failure when power was lost to the control circuit. The cause of the power loss was a blown fuse due to a short in the test circuitry. The blown fuse was replaced, test circuit isolated, power to the control circuit restored, and the valve was declared operable. Power ascension was in progress.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131227en.html>

## **Dominion Begins Commercial Operations of Two Renewable Energy Facilities Totaling 20 MW in Connecticut**

Dominion announced today it has begun commercial operations at its Dominion Bridgeport Fuel Cell facility located in Bridgeport, Connecticut, and the Dominion Somers Solar Center located in Somers, Connecticut. Together, the two facilities produce approximately 20 MW of clean energy. Dominion will sell the output of the fuel cell power station and solar center to Connecticut Light & Power under fixed power purchase agreements.

<http://dom.mediaroom.com/2013-12-27-Dominion-Begins-Commercial-Operations-of-Two-Renewable-Energy-Facilities-in-Connecticut>

## *Petroleum*

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### **Phillips 66 Reports Process Upset at Its 146,000 b/d Borger, Texas Refinery December 27**

Phillips 66 reported a process upset at its refinery in Borger, Texas, according to a filing with the Texas Commission on Environmental Quality. The company reported hydrogen sulfide and sulfur dioxide emissions from a stack, according to the filing.

Reuters, 8:30 December 27, 2013

## *Natural Gas*

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### **Legacy Resources Reports Natural Gas Compression Explosion at North Alkali Field in Wyoming December 25**

One worker was injured after an explosion and flash fire at a Legacy Resources natural gas compressor station in Riverton, Wyoming. The interior of the building suffered extensive damage and the cause of the explosion is under investigation.

<http://county10.com/2013/12/25/breaking-natural-gas-compressor-fire-injures-one-east-sand-draw-morning/>

### **Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas December 26**

Regency reported the acid gas injector (AGI) compressor shut down on high first stage suction temperature. The compressor system temperature was checked and the compressor was reset and restarted. The AGI flare and volume meter were in service during the compressor downtime.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=192297>

### **Enbridge Reports AGI Trip at Its Tilden Gas Plant in Texas December 26**

Enbridge reported acid gas injector (AGI) no. 3 tripped due to first stage high scrubber level on December 26.

The first stage scrubber pump had lost prime, once it was reprimed and first level was pumped out, AGI no. 3 was restarted and stabilized..

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=192285>

## *Other News*

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Nothing to report.

## *International News*

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### **Libya's Oil Production Reaches 250,000 b/d on December 25 – Oil Ministry**

Libya's oil production was at 250,000 b/d as of December 25, according to the oil ministry. That is up slightly from 224,000 b/d at the end of November but down sharply from 1.4 million b/d in July. Gas output was at 1.9 MMcf/d on December 25, the oil ministry said. Militias, tribesmen, and political minorities, which are demanding a greater share of Libya's oil wealth and more political power, have shut most oilfields and ports.

[http://www.rigzone.com/news/oil\\_gas/a/130822/Libya\\_Says\\_Oil\\_Production\\_Reaches\\_250000\\_Bopd](http://www.rigzone.com/news/oil_gas/a/130822/Libya_Says_Oil_Production_Reaches_250000_Bopd)

### **Syrian Gas Pipeline Near Damascus Blown Up by Terrorists – Minister of Electricity**

The Syrian Minister of Electricity today said that terrorists blew up the Arab gas pipeline in the Damascus countryside, which feeds Tishrin and Dayr Ali electricity generating stations, causing darkness in some southern regions. The Minister of Petroleum and Mineral Resources said that the Ministry's workshops controlled the fire which was erupted due to the terrorist explosion and isolated the damaged. The pipeline was attacked by terrorists in the same area last October and on December 21, causing electricity to be cut off of in Damascus city and the southern region.

Reuters, 11:30 December 27, 2013

## Energy Prices

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<b>U.S. Oil and Gas Prices</b> December 27, 2013			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	100.34	98.91	90.71
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.40	4.25	3.35

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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