



ENERGY ASSURANCE DAILY

Monday Evening, December 23, 2013

Electricity

Ice, Snow Storm Knocks Out Power to 635,000 Customers From Michigan to Maine, December 21–23

A snow and ice storm that moved across Michigan, New York, and northern New England has affected more than 635,000 customers since it began. As of 4 p.m. ET today, nearly 419,000 customers were without power in the affected service territories. In Michigan, the hardest hit state, Consumers Energy reported at its peak more than 262,000 customers were without power. Improving weather conditions allowed for steady restoration progress overnight. Statewide, about 193,000 Consumers Energy electric customers were still without power as of 4 p.m. ET Monday. DTE Energy reported about 138,000 customers in Michigan were impacted by the storm since Saturday night, with 87,000 still without power as of 4 p.m. ET Monday. DTE estimated that 90 percent of its customers would be restored by tomorrow. As the storm moved east, electric utilities in New York, Vermont, and Maine also reported outages.

Maine, Michigan, New York, and Vermont Customer Power Outages			
December 21–23			
Electric Utility	State	Peak	Latest Reported
Bangor Hydro	ME	32,157	30,532
Central Maine Power	ME	54,952	54,952
Consumers Energy	MI	262,000	193,442
DTE Energy	MI	138,000	87,516
Lansing Board of Water & Light	MI	34,800	24,000
National Grid	NY	67,000	21,870
New York State Electric & Gas	NY	24,972	212
Vermont Electric Cooperative	VT	22,000	6,393
TOTAL*		635,881	418,917

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

Sources:

http://apps.bhe.com/about/outages/Outage_Map.cfm

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

<https://www.consumersenergy.com/News.aspx?id=6928&year=2013>

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

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

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

<https://twitter.com/bwlcomm>

<https://www1.nationalgridus.com/PowerOutageMap>

http://www.syracuse.com/news/index.ssf/2013/12/ice_storm_causes_massive_outages_in_western_and_northern_ny_leaves_2_inches_of_i.html

<http://www.nyseg.com/OurCompany/News/2013/122213ErieNiagarastorm.html>

<http://www.nyseg.com/Outages/outageinformation.html>

<http://www.vermontelectric.coop/outage>

Ice Storm Leaves Over 600,000 Customers in Ontario, Quebec Without Power December 22–23

Repair crews were working around the clock to restore electricity to about 600,000 customers in Ontario and Quebec after an ice storm moved across the provinces. Toronto Hydro reported approximately 215,000 customers remain without power, down from 300,000 at the height of the storm. It may take until December 27 to restore power to all customers, a spokesperson said. About 54,000 Hydro-Quebec customers were without power on Monday, down from 176,000 customers on Sunday. Hydro One reported 89,336 customers remained without power as of 3 p.m. ET on Monday down from 120,000 on Sunday. PowerStream, Veridian Connections, and New Brunswick reported 29,000, 12,000, and 7,837 customers respectively without power.

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

<http://news.hydroquebec.com/en/failures/hq/35/service-interruption-report/#.UriaRfRDsSk>

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

http://www.hydroone.com/OurCompany/MediaCentre/Documents/NewsReleases2013/2013_12_22_Ice_storm_update.pdf

<http://www.businessweek.com/news/2013-12-22/canada-storm-leaves-about-400-000-households-without-electricity>

NRG, National Grid Working on Contract to Convert Dunkirk Coal-fired Power Plant in New York Into 445 MW Natural Gas-fired Power Plant

NRG Energy Inc. said Friday it was working with National Grid Plc to finalize a contract to convert NRG's Dunkirk coal-fired power plant in Upstate New York into a 445 MW natural gas-fired facility. There are four units at the Dunkirk plant, the 75 MW units 1 and 2 and the 185 MW units 3 and 4. An NRG spokesman said units 1, 3 and 4 are currently mothballed and unit 2 is running on coal under contract until 2015. Under the deal NRG will build a gas pipeline to Dunkirk and convert units 2-4 to run on natural gas by the autumn of 2015. Unit 1 will remain mothballed.

<http://finance.yahoo.com/news/nrg-works-national-grid-n-160832112.html>

Update: Exelon's 619 MW Oyster Creek Nuclear Unit in New Jersey at Full Power by December 21

On the morning of December 20 the unit was operating at 80 percent, according to the Nuclear Regulatory Commission. The unit was shut December 14 for maintenance on a system that controls its turbine valves that could not be performed while the plant was generating electricity.

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

Update: Calpine's 593 MW Metcalf Energy Center Gas-fired Unit in California Returns to Service by December 20

The unit returned from an unplanned curtailment of 308 MW that began December 16.

<http://content.caiso.com/unitstatus/data/unitstatus201312201515.html>

Update: Calpine's 525 MW Sutter Gas-fired Unit in California Returns to Service by December 21

The unit returned from an unplanned curtailment of 247 MW that began December 16.

<http://content.caiso.com/unitstatus/data/unitstatus201312211515.html>

Update: Dynegy, LLC's 510 MW Moss Landing Gas-fired Unit in California Returns to Service by December 21

The unit returned from an unplanned curtailment of 260 MW that began December 20.

<http://content.caiso.com/unitstatus/data/unitstatus201312211515.html>

Double Eagle Pipeline, Kinder Morgan Announce Expansion Projects to Increase Eagle Ford Shale Crude, Condensate Transport to Houston Ship Channel

Kinder Morgan Crude and Condensate LLC (KMCC) and Double Eagle Pipeline LLC announced on December 20 that they entered into a long-term agreement with Anadarko Petroleum Corporation to transport Eagle Ford Shale production from Gardendale, Texas, in LaSalle County, to the Houston Ship Channel via the KMCC Pipeline. Double Eagle will construct 160,000 barrels of storage capacity and a pump station at Gardendale in addition to building an approximately 10-mile pipeline to connect the Double Eagle Pipeline and the KMCC Pipeline in Karnes County, Texas. Double Eagle will transport product from its new Gardendale station to the KMCC Helena station in Karnes County. KMCC will construct 240,000 barrels of storage at its Helena Station to move crude and condensate from the Double Eagle Pipeline to the KMCC delivery points. Double Eagle and KMCC expect to complete construction of these facilities in early 2015 to move production to the Houston Ship Channel.

<http://phx.corporate-ir.net/phoenix.zhtml?c=119776&p=irol-newsArticle&ID=1886534&highlight=>

Kinder Morgan, Imperial Oil to Build 250,000 b/d Edmonton Crude Oil Rail Terminal in Alberta

Kinder Morgan Energy Partners L.P. and Imperial Oil today announced on December 20 a joint venture to build a crude oil rail-loading facility in Strathcona County, Alberta, called the Edmonton Rail Terminal. The facility will be built on heavy industrial-zoned land approximately one-half kilometer southwest of Kinder Morgan's Edmonton storage terminal, on land adjacent to Imperial's Strathcona Refinery. The Edmonton Rail Terminal is currently being designed as a crude oil loading terminal capable of loading one to three unit trains per day totaling 100,000 b/d at startup, with the potential to expand to approximately 210,000 b/d, and ultimately to 250,000 b/d. Construction is now underway and completion is scheduled for December 2014.

<http://phx.corporate-ir.net/phoenix.zhtml?c=93621&p=irol-newsArticle&ID=1886546&highlight=>

Natural Gas

Southern Union Reports Amine Circulation, Reboiler Shut at Its Keystone Gas Plant in Texas December 20

Southern Union reported the amine circulation and amine reboiler were shut down at its Keystone gas plant. Technicians were troubleshooting the problem and will provide additional information in a final report

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=192214>

Other News

Nothing to report.

International News

South Sudan's Government Remains in Control of Oil Fields Despite Rebel Demands – Information Minister

South Sudan's government remained in control of the country's oil fields and would not accept a rebel demand for politicians detained by the authorities to be freed for peace talks to start, the information minister said on Monday. A rebel leader said his forces were in control of all the major oil fields in Unity and Upper Nile states and that he was open to dialogue with Juba but only if his political allies were released from detention.

<http://www.reuters.com/article/2013/12/23/southsudan-unrest-minister-idUSL6N0K22YK20131223>

Energy Prices

U.S. Oil and Gas Prices December 23, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	99.09	97.22	87.96
NATURAL GAS Henry Hub \$/Million Btu	4.48	4.44	3.35

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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