



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, March 01, 2010

Electricity

Update: Over 130,000 Customers Remain without Power Across New England and Canada after Windy Winter Storms February 24 – March 1

More than 130,000 customers remained without across multiple U.S. states and Canada on March 1, days after winter storms knocked out power to more than 1 million, sources reported. The following table lists peak and current outage figures, based on latest available data.

New England, New York, Canada Customer Power Outages			
February 24 – March 1, 2010			
Electric Utility	State	Peak	Latest Reported
Public Service of New Hampshire	NH	264,000	35,000
Unitil	NH	59,000	3
New Hampshire Electric Power Coop	NH	27,000	4,527
National Grid	NH	10,000	2
Central Hudson Gas and Electric	NY	151,265	45,000
Orange & Rockland Utilities	NY	50,000	377
ConEd	NY	37,239	15,000
National Grid	NY	21,304	47
Central Maine Power	ME	133,000	15,700
Bangor Hydro Electric	ME	12,750	136
National Grid	MA	89,000	360
Orange & Rockland Utilities	NJ	50,000	109
Jersey Central Power & Light	NJ	3,200	2,500
Central Vermont Public Service	VT	13,191	15
Hydro-Quebec	Quebec	113,000	15,000
Nova Scotia Power	Nova Scotia	31,086	110
TOTAL *		1,065,035	133,886

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

Sources:

National Grid (MA): <http://www1.nationalgridus.com/masselectric/stormcenter/>,

https://www.nationalgridus.com/granitestate/a3-1_news2.asp?document=4894

Central Maine Power (ME): <http://www.cmpco.com/OurCompany/News/2010/news100226a.html>

<http://www.cmpco.com/OurCompany/News/2010/news100226d.html> ,

<http://www.cmpco.com/OurCompany/News/2010/news100301b.html>

Bangor Hydro Electric Company (ME): <http://www.bhe.com/about/outages.cfm#>

Con-Ed (NY): <http://www.coned.com/sm/outageinfo.asp#> , http://www.marketwatch.com/story/evening-update-con-edison-service-restorations-continue-2010-02-27?reflink=MW_news_stmp

Orange & Rockland Utilities (NY): <http://www.oru.com/advisories/?id=365>,

http://wp1.coned.com/or_stormcenter/default.aspx

National Grid (NY): <http://www1.nationalgridus.com/niagaramohawk/stormcenter/>

Long Island Power Authority (NY): <http://www.lipower.org/stormcenter/outages/township.html>

Central Hudson Gas and Electric (NY): http://www.cenhud.com/about_us/news/feb26_storm7.html ,

http://www.cenhud.com/about_us/news/march1_storm16.html

Orange & Rockland Electric Utilities (NJ): <http://www.oru.com/advisories/?id=365>

<http://www.dailyrecord.com/article/20100226/UPDATES01/100226018/1005/NEWS01/More+than+14+000+witho+ut+power+in+NJ++Montville++Pequannock++Newton+among+areas+affected>

Jersey Central Power & Light (NJ): http://www.firstenergycorp.com/outages/outages.do?state_code=NJ,
<http://www.dailyrecord.com/article/20100226/UPDATES01/100226018/1005/NEWS01/More+than+14+000+witho+ut+power+in+NJ++Montville++Pequan+nock++Newton+a+mong+areas+affected>
Public Service of New Hampshire (NH): <http://twitter.com/psnh>
<http://www.psnh.com/aboutpsnh/mediacenter/stormupdates.asp>
Unitil (NH): <http://www.unitil.com/outage/index.asp>,
<http://www.unionleader.com/article.aspx?headline=330%2C000+without+power+in+Granite+State&articleId=b287bca3-198a-4c0d-bd8b-c86da275a5ff>
New Hampshire Electric Coop (NH): <http://www.nhec.com/oms.php>,
http://www.nhec.com/news_archive.php?n=83
National Grid (NH): <http://www1.nationalgridus.com/granitestate/stormcenter/>
Central Vermont Public Service (VT): <http://www.cvps.com/CustomerService/outages/default.aspx>
Hydro-Quebec: <http://www.vancouversun.com/news/Nearly+customers+still+without+power/2618154/story.html>
Nova Scotia Power:
<http://www.nspower.ca/en/home/residential/outageinformation/livepoweroutagemap/liveoutagemap.aspx>

TVA's 1,118 MW Browns Ferry Nuke Unit 3 in Alabama Shut by February 28

The Nuclear Regulatory Commission reported that on the morning of February 27 the unit was operating at 46 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

Update: Dominion's 871 MW Millstone Nuke Unit 2 in Connecticut Ramped Up to 60 Percent by March 1

Operators shut the unit due to the “loss of two circulating water pumps” on February 26, the company said in a filing with the Nuclear Regulatory Commission (NRC). The NRC reported that on the morning of February 28 the unit was not operating.

<http://www.reuters.com/article/idUSN2614591020100226?type=marketsNews>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2010/20100301en.html>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

FPL's 510 MW Point Beach Nuke Unit 1 in Wisconsin Shut by March 1

The Nuclear Regulatory Commission reported that on the morning of February 28 the unit was operating at 98 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

Update: Constellation Energy's 835 MW Calvert Cliffs Nuke Unit 2 in Maryland Ramped Up to 95 Percent by March 1—825 MW Unit 1 Remains Offline

Both of the site's units—the 825 MW Unit 1 and the 835 MW Unit 2—shut on February 18 after a roof leak let in a small amount of melting snow, causing electrical problems, a company spokesman said. The Nuclear Regulatory Commission (NRC) sent a five-member “special inspection team” to investigate, a news source said. Operators restarted the 835 Unit 2 by February 28, and returned it 95 percent power by March 1, according to the NRC. The 825 Unit 1 remained offline, as of latest reports.

http://articles.baltimoresun.com/2010-02-24/business/bal-bz.gr.nuke24feb24_1_calvert-cliffs-nrc-reactor

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

Update: Southern's 830 MW Farley Nuke Unit 1 in Alabama at Full Power by February 27

The Nuclear Regulatory Commission reported that on the morning of February 26 the unit was operating at 85 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

Ace Cogeneration's 118 MW Ace Cogeneration Coal-fired Unit in California Shut by February 27

According to the California Independent System Operator, the unit reported an unplanned outage by February 27.

<http://www.caiso.com/unitstatus/data/unitstatus201002271515.html>

Watson Cogeneration's 417 MW Watson Cogeneration Gas-fired Unit in California Reduced by February 27

According to the California Independent System Operator, the unit reported an unplanned curtailment of 247 MW by February 27.

<http://www.caiso.com/unitstatus/data/unitstatus201002271515.html>

Brief Snag Cuts Power to about 30,000 PG&E Customers in California February 25

Approximately 30,000 Pacific Gas & Electric (PG&E) customers lost power for less than five minutes on February 25, a company spokesman said. It was not clear what caused the outage.

<http://www.colusa-sun-herald.com/news/outage-4391-brief-power.html>

NRC Investigating 2009 Pump Failure at Southern's 839 MW Farley Nuke Unit 2 in Alabama

The Nuclear Regulatory Commission (NRC) planned to send a special inspection team to investigate an August, 2009 water pump failure, a news source said. The pump-in-question malfunctioned due to a coating used during manufacturing. The team was expected to assess whether four other on-site pumps could fail for similar reasons.

<http://www.wjhg.com/news/headlines/85036407.html>

Update: Public Service Board to Consider License Repeal or Temporary Shutdown of Entergy's 563 MW Vermont Yankee Nuclear Power Plant

Conservation Law Foundation (CLF), an environmental group, asked the Public Service Board in late January to consider ordering shut the facility, citing an early-January tritium leak. The Public Service Board, in response, ordered a proceeding to consider the issues in CLF's request.

<http://psb.vermont.gov/sites/psb/files/orders/2010/7440ShowCauseOrderRequest.pdf>

http://www.google.com/hostednews/ap/article/ALeqM5jo7gytGIVNSxu_MnfEbvaelD0zcQD9E44PAG1

Grasslands Renewable Energy's "Wind Spirit Project" to Deliver 1,000 MW of Renewable Electric Capacity from Northern Plains to Customers across North America

Grasslands Renewable Energy's "Wind Spirit Project" would gather up to 3,000 MW of intermittent wind and other renewable-derived electricity from the Northern Plains, and deliver 1,000 MW of **consistent** power to customers throughout North America, according to its website. The company would collect energy via multiple 230 kV AC transmission lines, and move the power along high voltage AC and DC lines. It hopes to complete the project by 2017.

<http://www.gre-llc.com/wind-spirit-project/project-overview/>

<http://www.prnewswire.com/news-releases/crownbutte-wind-power-joins-grasslands-renewable-energys-wind-spirit-project-85569822.html>

Transmission Developers Inc. Plan 2,000 MW, Quebec-to-Connecticut Electric Transmission Line

The "Champlain-Hudson Power Express" would begin at the Richelieu River in Quebec, travel under Lake Champlain, continue along the Champlain Canal to the Hudson River and then Yonkers, and then dip back underground for 65 miles to Bridgeport, Connecticut, a news source said. It would deliver 2,000 MW of newly-developed electricity. The company expects to open the project in 2015.

http://www.pressrepublican.com/homepage/local_story_058204033.html

Petroleum

U.S. Oil Imports Average 9.1 Million b/d in 2009, or 2 Million b/d Lower than in 2007—Energy Intelligence Briefing

The United States imported 720,000 b/d less oil in 2009 than it did in 2008, and 2 million b/d less than in 2007, Energy Intelligence Briefing said.

<http://www.energyintel.com/#latest>

Tesoro, Chevron Report no Refinery Damage after Hawaiian Tsunami February 27

The massive Chilean earthquake triggered a tsunami in Hawaii over the weekend, but the incident caused no damage to Tesoro's 94,000 b/d refinery or Chevron's 54,000 b/d refinery, news sources and the companies said. It was not clear if, or by how much, either company reduced its facility ahead of the surges, but Tesoro said it expected to return its refinery to planned rates on February 28. The incident also affected local fuel terminals, but those were expected to resume normal service shortly, as of recent reports. Tesoro did not expect the event to cause any fuel shortages.

http://online.wsj.com/article/BT-CO-20100228-702990.html?mod=WSJ_World_MIDDLEHeadlinesEurope
http://www.forbes.com/feeds/ap/2010/03/01/business-energy-us-tesoro-hawaii-refinery_7394630.html?boxes=financechannelAP
http://www.marketwatch.com/story/tesoro-hawaii-refinery-reports-no-effect-from-tsunami-2010-02-27?reflink=MW_news_stmp

Exxon Mobil Restarts Unit at 149,500 b/d Torrance, California Refinery by March 1

The hydrogen unit shut due to mechanical issues on February 28, the company said.
Bloomberg News, 11:11 March 1, 2010

Update: TransCanada Sees Two-Month Delay in Planned Start-Date for 435,000 b/d, 30-inch, 1,300-mile, Alberta-to-Illinois Keystone Oil Pipeline

TransCanada expects to "have the line full within a 100 or so days, and they will be able to start ramping up throughput through to the end of the year," a company official said. The company had previously planned to begin commercial operations around the end of the first quarter, 2010, according to an earlier source.

http://journalstar.com/news/local/article_4aa7057a-049f-11df-95fc-001cc4c03286.html
<http://www.calgaryherald.com/business/TransCanada+shrugs+delay/2605424/story.html>

Bahamian Borco Oil Terminal to Install 6 Million Barrels of Light Fuel Storage Capacity by End of 2011—Project Seen as Sign of Increasingly Globalized Refining Market

The expansion, seen as a potential threat to already-struggling U.S. refiners, would allow the Bahamian terminal to store an additional 6 million barrels of light oil products, and potentially ship those products to the United States, a news source said. Refining capacity has surged, of late, across Asia and the Middle East, and—should those nations produce in excess of domestic demand—the new Bahamian tanks would provide access to the U.S. oil product market.

<http://www.reuters.com/article/idUSTRE61P4Q320100227>

Update: Iraq, Nippon Oil Fail to Reach Deal over Nassiriya Oilfield—Iraq to Develop Site on Its Own

Iraq failed to reach a deal with Nippon Oil over the development of the field, but said it planned to increase production, on its own, from 10,000 b/d to 50,000 b/d by the end of this year, a state official said. Nippon had expected to boost output to as high as 200,000 b/d within two years, Iraqi officials said.

<http://www.reuters.com/article/idUSLDE61R0B320100228?type=marketsNews>

Natural Gas

ENSTOR Launches Open Season for Planned 16 Bcf Phase 1 of Proposed 30 Bcf Houston Hub Natural Gas Storage Project in Texas March 1

The company expects to open the site in 2012. It would include pipeline interconnects with Natural Gas Pipeline Company of America and Transcontinental Gas Pipeline Corporation. The open season will run from March 1, 2010 to March 12, 2010.

http://www.enstorinc.com/news/rel_100216.pdf

Update: Yankee Gas Services Co. to Break Ground in April 2010 on Planned 16-inch, 16-mile Natural Gas Pipeline in Connecticut

The line will connect Yankee Gas' 1.2 Bcf LNG storage tank in Waterbury, Connecticut with its existing transmission system, a news source said. The company expects to construct the project in two phases; it plans to complete the second phase by November 2011, according to the project manager.

<http://www.istockanalyst.com/article/viewiStockNews/articleid/3899171>

National Fuel Gas Company to Boost Capacity by 150 MMcf/d along Existing Natural Gas Pipelines through Pennsylvania

The company plans to construct about 19 miles of 20-inch pipeline in Pennsylvania, improving reliability along an existing pipeline system that delivers natural gas from the Appalachian region throughout the U.S. Northeast, according to its website. The project, described as a replacement and relocation, is slated to enter service in late 2011.

<http://www.nationalfuelgas.com/supply/LineN/default.htm>

<http://www.post-gazette.com/pg/10060/1039394-58.stm>

Atlas Energy Estimates Net Marcellus Shale Recoverable Reserves of 13 Tcfe

The company said it had identified more than 3,150 horizontal Marcellus Shale drilling locations, and estimated that those sites held incremental net recoverable reserves of 13 trillion cubic feet equivalents (Tcfe), according to a release. Its 2009 proved reserves totaled 1.02 Tcfe; that figure was driven largely by growth from its Pennsylvania locations.

<http://phx.corporate-ir.net/phoenix.zhtml?c=176445&p=irol-newsArticle&ID=1395944&highlight=>

Other News

U.S. Ethanol Industry Operates at Record 94.5 Percent of Capacity in December 2009

The United States produced a record 1.026 billion gallons of ethanol in December 2009, or 35 percent higher than in February 2009, a news source said.

<http://www.insidefutures.com/article/137542/CME%20Group%20Ethanol%20Outlook%20Report%20-%20March%2001,%202010.html>

Energy Prices

U.S. Oil and Gas Prices			
March 1, 2010			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	79.70	79.97	44.12
\$/Barrel			
NATURAL GAS			
Henry Hub	4.76	5.10	4.08
\$/Million Btu			

Source: Reuters

Energy Notes

Dominion Virginia Power Reports 17,144 Customers without Power February 26

<http://www.dom.com/storm-center/dominion-electric-outage-summary.jsp>

Constellation Energy Begins Commercial Operations of Scrubbers at 1,370 MW Brandon Shores Coal-fired Power Plant in Maryland by March 1

<http://finance.yahoo.com/news/StateoftheArt-Emissions-bw-953996875.html?x=0&.v=1>

TVA May Use Weapons-Grade Plutonium for Fuel at 2,441 MW Sequoyah Nuclear Power Plant in Tennessee and 3,494 MW Browns Ferry Nuclear Power Plant in Alabama

<http://www.timesfreepress.com/news/2010/feb/25/tva-may-use-bomb-material-nuclear-plants/?breakingnews>

Update: NRC Okays PSEG Bid to Extend Deadline for Finishing Security Upgrades at 1,170 MW Hope Creek and 2,340 MW Salem Nuclear Power Facilities in New Jersey—Company Has Until December 17, 2010, Instead of Previously-Stipulated March 31, 2010
http://www.nj.com/salem/index.ssf/2010/02/nrc_grants_pseg_nuclears_reque.html

Environmentalists Blame APS' 2,270 MW Four Corners Coal-fired Power Plant in New Mexico for Toxic Seepage, Water Pollution
http://www.daily-times.com/ci_14474953

3,000-Gallon Propane Truck Rolls Over, Leaks Unspecified Quantity of Fuel in New Hampshire February 25
<http://wbztv.com/wireapnewsnh/NH.propane.truck.2.15.19960.html>

Pump Failures Cause Pressure Increase, Trigger Flaring at King Ranch Gas Plant in Texas February 26-27
<http://www11.tceq.state.tx.us/oce/eei/index.cfm?fuseaction=main.getDetails&target=136405>

Fuel Oil-Carrying Barge Hits Bridge Support Piling in Louisiana February 25—No Leak Reported
<http://www.theadvocate.com/news/85432802.html>

State DEP Okays TransGas' Planned 750,000 Gallon Coal-to-Gasoline Plant in Mingo County, West Virginia by February 26
<http://sundaygazettemail.com/News/201002260627>

Massive Earthquake Forces Offline about 16 Percent of Chilean Copper Production February 27-28
Bloomberg News, 13:46 February 28, 2010

After Blowout, Regulators Expect Fire to Burn for Days at Canadian Natural Resources Limited's Natural Gas Well in Alberta, Canada by February 25
http://www.chroniclejournal.com/stories_national.php?id=246148

Links

This Week in Petroleum from the Energy Information Administration (EIA)
<http://tonto.eia.doe.gov/oog/info/twip/twip.asp>
Updated every Wednesday.

Weekly Petroleum Status Report from EIA
http://www.eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html
Updated after 10:30 AM & 1:00 PM EST every Wednesday.

Natural Gas Weekly Update from EIA
<http://tonto.eia.doe.gov/oog/info/ngw/ngupdate.asp>
Updated after 2:00 PM EST every Thursday.

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<http://www.oe.netl.doe.gov/ead.aspx>

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