



ENERGY ASSURANCE DAILY

Friday Evening, November 22, 2013

Electricity

Update: Power Nearly Fully Restored After Storms, Tornadoes Hit Midwest November 17

Power restoration was nearly complete for the more than 1.2 million customers who had lost power in deadly Midwestern storms and tornadoes on November 17. Utilities reported a few thousand customers remained without power as of late Thursday evening and early Friday morning. Consumers Energy had 3,600 remaining customers without power while DTE has 3,000 remaining in Michigan. The utilities said power to remaining customers was expected to be restored by the end of the day Friday. Indiana Michigan Power said it had restored power to all of its affected customers Thursday evening.

<http://www.lansingstatejournal.com/viewart/20131122/NEWS01/311220020/Power-restoration-nearly-complete-Michigan>

Update: AES's 336 MW Alamitos Gas-fired Unit in California Returns to Service by November 21

The unit returned from an unplanned outage that began November 19.

<http://content.caiso.com/unitstatus/data/unitstatus201311211515.html>

Update: RRI Energy, Inc.'s 775 MW Ormond Beach Gas-fired Unit in California Returns to Service by November 21

The unit returned from an unplanned outage that began November 19.

<http://content.caiso.com/unitstatus/data/unitstatus201311211515.html>

Calpine's 751 MW Pastoria Gas-fired Unit in California Shut by November 21

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201311211515.html>

TVA's 1,118 MW Browns Ferry Nuclear Unit 2 in Alabama Reduced to 55 Percent by November 22

On the morning of November 21 the unit was operating at full power, according to the Nuclear Regulatory Commission.

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

Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi Reduced to 57 Percent by November 22

On the morning of November 21 the unit was operating at full power, according to the Nuclear Regulatory Commission.

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

PSE&G Reports 25,000 Customers in Northern New Jersey Without Power November 21

More than 25,000 people were without power in Fairview, Edgewater, Cliffside Park, North Bergen and surrounding areas of northern New Jersey Thursday evening. As of Friday afternoon, power had been restored to nearly all customers. PSE&G was investigating the cause of the outage.

http://www.nj.com/news/index.ssf/2013/11/thousands_in_north_jersey_communities_are_without_power.html

http://www.pseg.com/home/customer_service/outage_info/outagemap.jsp

PG&E Reports 50,000 Customers Without Power After Strong Winds Hit San Francisco Area in California November 21

Strong winds hit the San Francisco area on Thursday, knocking down trees and power lines and leaving more than 50,000 Pacific Gas & Electric (PG&E) customers without power. Wind gusts, some in excess of 50 miles per hour, were driven by a storm system that hit parts of the state to the south, according to the National Weather Service. About 30,900 people were without power in Oakland, 5,500 in Nice, 7,000 in Monte Rio, 5,000 in Santa Rosa, 4,000 in Sonoma, 4,000 in Berkeley, and thousands more in other areas of the state, according to a tally by Pacific Gas & Electric Company early on Friday morning. The National Weather Service said the wind had knocked down trees and a wind advisory warning remained in place for parts of the Bay Area.

<http://www.thestar.com.my/News/World/2013/11/22/Severe-winds-leaves-two-dead-50000-without-power-in-San-Francisco-area.aspx>

Exelon Reports Small Spill at Its 640 MW Oyster Creek Nuclear Plant in New Jersey November 21

Exelon notified the New Jersey Department of Environmental Protection on Thursday that an indeterminate amount (less than 1 gallon) of sodium hypochlorite was spilled onto the lands of the New Jersey. The spill has been contained and cleaned up.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20131122en.html>

South Carolina Opens 7.5 MW, 15 MW Drivetrain Testing Facilities November 21

On Thursday, the Deputy Secretary of Energy and officials from Clemson University dedicated the nation's largest and one of the world's most advanced wind energy testing facilities in North Charleston, South Carolina. Led by Clemson University's Restoration Institute, the facility will help test and validate new turbines, particularly for offshore wind – helping to speed deployment of next generation energy technology, reduce costs for manufacturers and boost global competitiveness for American companies. Located at a former Navy warehouse with easy access to rail and water transport, the Clemson facility will test machinery that converts both onshore and offshore wind to electricity and allow engineers to simulate 20 years' worth of wear and tear on drivetrains in a few months. The facility's proximity to the coast also makes it ideal for U.S. and international companies to test larger offshore wind turbines. The facility is equipped with two testing bays for up to 7.5 MW and 15 MW drivetrains. The facility will also feature a grid simulator that mimics real-world conditions and can help private industry and public researchers better study interactions between wind energy technologies and the U.S. power grid.

<http://energy.gov/articles/south-carolina-opens-nation-s-largest-wind-drivetrain-testing-facility>

Petroleum

Sun-Canadian Restarts Pipeline After TSSA Approval in Sarnia, Ontario November 20

Sun-Canadian Pipe Line on Wednesday restarted its pipeline in Sarnia following the Technical Standards and Safety Authority's (TSSA) approval. The approval was granted following the release of an independent laboratory analysis regarding the cause of the September 10, 2013 diesel spill. The report found the cause of the failure to be attributable to external metal loss due to corrosion. The restart took place under strict conditions imposed by the TSSA related to the initial start-up, the ongoing operation of the line, and regular monitoring to ensure the integrity of the pipeline. This work will include multiple in-line inspections and detailed analysis of those results to determine any at risk areas along the pipeline. Investigative digs will take place to expose these areas and make any necessary repairs.

<http://www.sun-canadian.com/PDF%20FILES/Sun-Canadian%20-Pipeline%20Restart%20Press%20Release%20-%20Nov%2020.pdf>

Natural Gas

Nothing to report.

Other News

Nothing to report.

International News

Sinopec Oil Pipeline Blast Kills 35 in Eastern China November 22

An explosion on a Sinopec Corp. oil pipeline killed 35 people in Qingdao in eastern China on Friday, causing a fire that took several hours to bring under control and halting operations at a major oil port, media and ship brokers said. A Chinese trader said the explosion would disrupt crude flows into China as the blast involved a major pipeline supplying several refineries.

http://www.rigzone.com/news/oil_gas/a/130264/Sinopec_Oil_Pipeline_Blast_Kills_35_in_Eastern_China

Energy Prices

| U.S. Oil and Gas Prices | | | |
|--|-------|----------|----------|
| November 22, 2013 | | | |
| | Today | Week Ago | Year Ago |
| CRUDE OIL West Texas Intermediate U.S. \$/Barrel | 94.71 | 93.86 | 86.85 |
| NATURAL GAS Henry Hub \$/Million Btu | 3.78 | 3.62 | 3.62 |

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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