



ENERGY ASSURANCE DAILY

Monday Evening, April 14, 2014

Major Developments

Multiple Waves of Damaging Thunderstorms Move across Michigan Knocking Out Power to Over 260,000 Customers April 12–14

Several waves of thunderstorms moved across Michigan Saturday afternoon and into Sunday knocking out power to more than 260,000 customers. Heavy rains, lightning, and high winds that topped 60 mph contributed to the power outages. DTE Energy reported more than 150,000 customers lost power since Saturday due to the storms. As of 11:40 a.m. EDT Monday, 118,294 DTE customers remained without power. On Sunday morning there were as many as 60,000 customers around Metro Detroit without power because of the storm. That number dropped, but then rose again Monday morning due to high winds. DTE expected crews would be working throughout Tuesday at a minimum to complete restoration. More than 110,000 Consumer Energy customers have been affected since the beginning of the storms on Saturday. As of 3:30 p.m. EDT Monday, 29,025 Consumer Energy customers remained without power and the company estimated that the majority would have electricity service restored by late Monday night. Restoration progress could be delayed by heavy rains and winds that were expected to move through Michigan, on a similar path to Saturday's storms, through Monday.

<http://www.consumersenergy.com/News.aspx?id=7143&year=2014>

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

<https://twitter.com/consumersenergy>

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

<https://www2.dteenergy.com/wps/portal/dte/residential/problemsSafety/details/outage%20center>

<https://www.facebook.com/dteenergy?sk=wall>

https://twitter.com/DTE_Energy/

<http://www.dteenergy.com/map/outage.html>

<http://www.therepublic.com/view/story/4afcee8bf406418bb60b17a6d99795e7/MI--Severe-Weather-Michigan>

Electricity

PSE&G's 1,096 MW Salem Nuclear Unit 1 in New Jersey Shut April 13

Unit 1 experienced an unplanned automatic reactor trip from full power and subsequent auxiliary feedwater system actuation. The automatic trip was initiated from a generator protection relay. A walkdown of the main generator and all protection circuitry was completed with no visible problems identified. A troubleshooting team was being assembled to determine the exact cause for the generator protection actuation.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140414en.html>

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

Southern's 1,149 MW Vogtle Nuclear Unit 1 in Georgia Shut April 12

Unit 1 was manually tripped in response to loop 1 outboard main steam isolation valve failing shut. All systems operated correctly in response to the reactor trip. Unit 1 was stable in Mode 3 and cause investigation was in progress.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140414en.html>

Update: Southern's 1,149 MW Vogtle Nuclear Unit 2 in Georgia at Full Power by April 12

On the morning of April 11 the unit was operating at 87 percent after restarting and ramping up to 37 percent by April 10. Unit 2 automatically shut from full power early on April 8 due to a change in the feed water level.

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

Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi Reduced to 69 Percent by April 14

On the morning of April 13 the unit was operating at 94 percent.

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

Entergy's 1,075 MW Waterford Nuclear Unit 3 in Louisiana Shut by April 13

On the morning of April 12 the unit was operating at full power.

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

Exelon's 850 MW Dresden Nuclear Unit 2 in Illinois Shut April 12

Unit 2 automatically shut from full power due to a trip of the sudden pressure relay for main power transformer 2. Following the reactor scram, the 'A' reactor recirculation pump did not run back to minimum speed automatically. Operators took action to run the recirculation pump to minimum speed manually. All other systems operated as expected. The reactor vessel inventory and pressure were being maintained in automatic.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2014/20140414en.html>

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

AES's 175 MW Redondo Gas-fired Unit 6 in California Shut by April 12

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201404121515.html>

Samsung and Pattern Energy Complete 270 MW South Kent Wind Project in Ontario

Samsung Renewable Energy, Inc. and Pattern Energy Group, Inc. today announced its South Kent Wind project in Ontario completed construction and was fully operational. The project is the largest wind power facility in Canada with the capacity to produce clean renewable energy for approximately 100,000 Ontario homes each year.

<http://finance.yahoo.com/news/samsung-pattern-energy-complete-canadas-120000212.html>

<http://www.southkentwind.com/>

Petroleum

Ohio Regulator Announces Tougher Permit Conditions for Drilling Activities near Faults, Areas of Seismic Activity

The Ohio Department of Natural Resources (ODNR) on Friday announced new, stronger permit conditions for drilling near faults or areas of past seismic activity. The new policies were in response to recent seismic events in Poland Township that show a probable connection to hydraulic fracturing near a previously unknown microfault. New permits issued by ODNR for horizontal drilling within 3 miles of a known fault or area of seismic activity greater than a 2.0 magnitude would require companies to install sensitive seismic monitors. If those monitors detect a seismic event in excess of 1.0 magnitude, activities would pause while the cause is investigated. If the investigation reveals a probable connection to the hydraulic fracturing process, all well completion operations will be suspended. ODNR will develop new criteria and permit conditions for new applications in light of this change in policy. The department will also review previously issued permits that have not been drilled. More than 800 wells have been drilled in Ohio's Utica and Marcellus shale play, including as many as 16,000 hydraulic fracturing stages from those wells.

<http://www2.ohiodnr.gov/news/post/ohio-announces-tougher-permit-conditions-for-drilling-activities-near-faults-and-areas-of-seismic-activity>

Natural Gas

FERC Approves Equitrans LP's 600 MMcf/d Natural Gas Compressor Project in Pennsylvania

The Federal Energy Regulatory Commission (FERC) on Friday approved Equitrans LP's plan to add a compressor in Pennsylvania that will enable the company to transport more gas from the Marcellus shale formation to markets in the Northeast and Mid-Atlantic. Equitrans wants to build the new compressor at its existing Jefferson station in Greene County to provide about 600 MMcf/d of additional capacity on its Sunrise gas pipeline system, the company told the FERC in a filing. The company said the project was expected to enter service in September 2014.

http://www.downstreamtoday.com/news/article.aspx?a_id=42912

Other News

Nothing to report.

International News

Update: Russia to Honor Gas Deals With Europe – President Putin

President Vladimir Putin said on Friday that Russia would fulfill its obligations to European gas clients and had no plans to halt deliveries to Ukraine, although Moscow could make Kiev pay in advance for deliveries. Putin on Thursday had sent a letter to the leaders of 18 European countries that buy Russian gas, warning that deliveries could be disrupted if state-controlled Gazprom cut supplies to Ukraine and calling for urgent talks to seek a solution. http://www.downstreamtoday.com/news/article.aspx?a_id=42916

Update: Libya's Zawiya Oil Port Reopened, Zueitina Port Remains Closed

Libya's western Zawiya oil port was operating normally after protesters vacated the entrance to the facilities and the adjoining refinery was reopened, a spokesman for the National Oil Corp (NOC) said on Monday. Meanwhile Libya's eastern Zueitina oil port was still not under government control one week after an agreement with a federalist rebel group to immediately reopen it along with the Hariga terminal, a spokesman for NOC said on Monday. The spokesman said that NOC was still waiting for confirmation from the government-run Petroleum Facilities Guard that they were able to establish full control over the complex. NOC was able to lift the force majeure on Hariga last week and a tanker is due to load crude there this week. The federalist rebels are still in control of the country's two largest terminals.

Reuters, 5:28 April 14, 2014

Reuters, 8:53 April 14, 2014

Mexico's Proven Oil and Gas Reserves Fall 3 Percent in 2013

Mexico's proven oil and gas reserves fell 3.1 percent in 2013, according to energy ministry data. The proven Mexican reserves totaled 13.439 billion barrels of oil equivalent (boe), down by nearly 430 million boe compared with the previous year. Nearly three-quarters of the reserves, or 9.812 billion boe, are made up of crude oil. The new estimate for so-called 1P certified reserves was set on January 1, 2014, and covers oil and gas fields believed to have a 90 percent chance of being extracted with existing technology.

Reuters, 11:15 April 14, 2014

Energy Prices

U.S. Oil and Gas Prices			
April 14, 2014			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	103.92	100.48	90.55
NATURAL GAS Henry Hub \$/Million Btu	4.65	4.48	4.11

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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