



ENERGY ASSURANCE DAILY

Friday Evening, March 10, 2017

Major Developments

Update: Significant Power Restoration Progress Expected Through the Weekend after Severe Windstorm Hits Midwest and Northeast U.S., Ontario March 8–9

Severe winds moving from the northern Plains through the Great Lakes region into western New York knocked out power to at least 1,891,719 customers across seven U.S. states and southern Ontario, beginning Wednesday morning with full restoration not expected until early next week. Wind gusts of up to 81 mph, combined with soft soil resulting from an unusually warm winter and recent heavy rainfall, uprooted trees and brought down power lines and poles, contributing to most of the outages. DTE, which experienced the largest weather outage event in its history with over 800,000 customer outages in Michigan, said it expects to restore at least 90 percent of outages by 11:30 p.m. Sunday, March 12. The utility, which reported more than 9,000 downed power lines, said outages were widespread across the region, with the hardest hit areas in Wayne, Oakland, Macomb, and Washtenaw counties. Consumers Energy, which reported a revised total of at least 340,000 customer outages in Michigan, said it expects to restore the majority of impacted customers by midnight Saturday. In some of the hardest areas, including portions of Genesee, Kent and Kalamazoo counties, restoration work will continue into Sunday. As of 3:30 p.m. EST on Friday, 543,597 customers remained without power across the region. The table below shows the latest reported outages for utilities impacted by the storm with more than 1,000 remaining customer outages.

Midwest and Northeast U.S., Canadian Customer Power Outages		
March 8–10, 2017		
Electric Utility	State	Latest Reported
Commonwealth Edison	IL	1,561
DTE	MI	340,000
Consumers Energy	MI	78,388
Lansing Board of Water and Light	MI	1,453
National Grid	NY	20,117
NYSEG	NY	10,024
Rochester Gas and Electric	NY	83,328
FirstEnergy	OH	5,765
FirstEnergy	PA	2,961
TOTAL*		543,597

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

Sources:

http://www.nwitimes.com/news/local/illinois/high-winds-wreak-havoc-in-nwi/article_e76b4e06-8a37-5710-b144-9e3692ac7e0f.html

<http://abc7chicago.com/weather/chicago-weather-high-wind-warning-in-effect/1790520/>

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

<http://wsbt.com/news/local/wind-knocks-out-power-across-area>

<http://www.democratandchronicle.com/story/news/2017/03/07/high-wind-warning-issued-monroe-county/98844610/>

http://www.cleveland.com/weather/blog/index.ssf/2017/03/wind_gusts_already_topping_45.html

<http://fox6now.com/2017/03/08/we-energies-reports-12000-customers-without-power/>

https://twitter.com/NewsRadio930?ref_src=twsrc%5Egoogle%7Ctwcamp%5Enews%7Ctwtgr%5Eauthor

<http://hydroone.mediaroom.com/2017-03-08-Hydro-One-restores-power-to-more-than-48-000-customers-20-000-remain-without-power>

<https://www.comed.com/Outages/StormCenter/Pages/CurrentStormInformation.aspx>

<https://www.lbwl.com/About-the-BWL/News/Improved-Weather-Forecast-to-Help-BWL-Restoration-Efforts-Following-Wind-Storm/>
<http://www.detroitnews.com/story/news/local/michigan/2017/03/08/90k-without-power-and-winds-sweep-metro-detroit/98899718/>
<http://www.mytwintiers.com/weather/powerful-winds-whip-through-great-lakes-region/669139555>
<https://twitter.com/DuquesneLight>
<http://www.wgrz.com/weather/thousands-lose-power-in-wny/420837333>
<http://www.rge.com/OurCompany/News/2017/030817highwinds.html>
<http://empoweringmichigan.com/unprecedented-storm-dte-history-stay-safe-stay-warm/#.WMGu3LNz4bM.facebook>

Electricity

Update: Duke Energy's 1,100 MW McGuire Nuclear Unit 2 in North Carolina Ramps Up to 46 Percent by March 10

On the morning of March 9 the unit had restarted and ramped up to 25 percent. The unit shut from full power on February 23 due to reactor coolant system pressure boundary leakage.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>
<https://www.nrc.gov/reading-rm/doc-collections/event-status/event/2017/20170224en.html>

Exelon's 1,022 MW Clinton Nuclear Unit in Illinois Reduced to 87 Percent by March 10

On the morning of March 9 the unit was operating at 99 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

Update: Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi at Full Power by March 10

On the morning of March 9 the unit was operating at 76 percent, reduced from 93 percent on March 9.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

Petroleum

PBF Reports Emissions at Its 182,200 b/d Delaware City, Delaware Refinery March 10

PBF Energy reported carbon monoxide and sulfur dioxide emissions at its Delaware City, Delaware refinery on March 10.

Reuters, 13:33 March 10, 2017

Valero Reports Flaring at Its 100,000 b/d Houston, Texas Refinery March 10

Valero Energy Corp reported flaring at its Houston, Texas refinery on March 10, according to a community alert line.

Reuters, 9:59 March 10, 2017

Repsol Announces 1.2 Billion Barrel Onshore Light Oil Discovery in Alaska March 9

Repsol and partner Armstrong Energy on Thursday announced the discovery of approximately 1.2 billion barrels of recoverable light oil in Nanushuk, Alaska—the largest U.S. onshore conventional hydrocarbons discovery in 30 years. The company expects to begin production in the area in 2021, with a potential rate of around 120,000 b/d.

https://repsol.com/es_en/corporacion/prensa/notas-de-prensa/ultimas-notas/09032017-repsol-realiza-el-mayor-descubrimiento-de-petroleo-de-los-ultimos-30-anyos-en-suelo-estadounidense.aspx

Shell Announces Divestment of Oil Sands Interests in Canada March 9

Royal Dutch Shell on Thursday announced the signing of two agreements to sell its entire in-situ and undeveloped oil sands interests in Canada, as well as reduce its share in the Athabasca Oil Sands Project (AOSP) from 60 percent to 10 percent. Shell will remain the operator of AOSP's Scotford upgrader and Quest carbon capture and storage (CCS) project. Under the first agreement, Shell will sell to a subsidiary of Canadian Natural Resources Limited (CNRL) its entire 60 percent interest in AOSP, its 100 percent interest in the Peace River Complex in-situ assets, including Carmon Creek, and a number of undeveloped oil sands leases in Alberta, Canada. Separately and under the second agreement, Shell and CNRL will jointly acquire and own equally Marathon Oil Canada Corporation, which holds a 20 percent interest in AOSP, from an affiliate of Marathon Oil Corporation. On completion of all transactions listed above, it is envisaged that CNRL will be the operator of the AOSP upstream mining assets, and Shell will continue as operator of the Scotford upgrader and Quest CCS project, located next to the 100 percent Shell-affiliate owned Scotford refinery and chemicals plants. The transactions are expected to close mid-2017, subject to customary closing conditions and adjustments and regulatory approvals.

<http://www.shell.com/media/news-and-media-releases/2017/shell-divests-oil-sands-interests-in-canada.html>

Natural Gas

Enable Midstream Announces Open Seasons for 600 MMcf/d System Expansion Projects in Oklahoma

Enable Midstream Partners on Wednesday announced its wholly-owned subsidiaries, Enable Gas Transmission (EGT) and Enable Oklahoma Intrastate Transmission (EOIT), will each conduct a non-binding open season to solicit commitments for system expansion projects providing firm transportation service for growing Anadarko Basin production. The projects will utilize existing capacity on EGT and EOIT along with the installation of certain new facilities to provide over 600 MMcf/d of new, firm natural gas transportation service. In addition, Enable announced that one of the projects has secured a foundation shipper that has committed to a new long-term contract for 205,000 Dth/d, subject to customary conditions precedent. The non-binding open seasons are scheduled to end on Tuesday, March 28.

<http://investors.enablemidstream.com/press-release/company-news/enable-midstream-announces-open-seasons-oklahoma-system-expansion-project>

Other News

Nothing to report.

International News

UAE to Cut Oil Output by Over 139,000 b/d in March, April – Energy Minister

The United Arab Emirates (UAE) plans to reduce oil production by more than 139,000 b/d in March and April in compliance with the Organization of the Petroleum Exporting Countries (OPEC) commitment, the energy minister said on Thursday. OPEC agreed to curb its production by about 1.2 million b/d, beginning January 1, in order to boost prices and curb a global supply surplus. Under the OPEC deal, the UAE was to cut production to 2.87 million b/d. It told OPEC it produced 3.06 million b/d in January, and a Reuters survey estimated its output at 2.98 million b/d.

http://www.rigzone.com/news/oil_gas/a/148796/UAE_Says_To_Cut_Oil_Output_By_More_Than_139000_Bpd_In_MarchApril

Energy Prices

U.S. Oil and Gas Prices			
March 10, 2017			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	48.00	53.28	37.72
NATURAL GAS Henry Hub \$/Million Btu	2.83	2.59	1.57

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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