



ENERGY ASSURANCE DAILY

Monday Evening, September 08, 2014

Major Developments

Strong Storms Knock Out Power to Over 626,000 Customers in Illinois, Michigan September 5

Storms with heavy winds and lightning knocked out power to 626,650 customers in Michigan and Illinois on Friday evening. DTE reported 375,000 customers lost power from the storms, and as of 11:00 a.m. EDT today, 89,000 customers remained without power. DTE said the storm was among the most damaging in the company's 111-year history with wind gusts of more than 75 mph causing more than 2,000 downed power lines across Southeast Michigan. DTE said the vast majority of customers would have their power restored by late Monday night, but some small clusters of customers would not be restored until Tuesday or Wednesday. Consumers Energy reported 77,000 customers across southern Michigan lost power on Friday, and as of 3:30 p.m. EDT today, 434 customers remained without power. ComEd reported 179,000 customers in Illinois lost power but the company had restored power to 99 percent of those customers by Sunday evening.

Illinois and Michigan Customer Power Outages			
September 5–8, 2014			
Electric Utility	State	Peak	Latest Reported
Commonwealth Edison (ComEd)	IL	179,000	56
Detroit Edison (DTE)	MI	375,000	89,000
Consumers Energy	MI	72,650	434
TOTAL*		626,650	89,490

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

Sources:

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

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

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

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

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

https://www.comed.com/_layouts/comedsp/OutageMap.aspx

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

<http://www.chicagotribune.com/news/local/breaking/chi-storms-leave-174000-without-power-20140906-story.html>

<http://www.kxly.com/news/storm-leaves-365000-without-power-in-detroit/27914172>

<http://finance.yahoo.com/news/storms-cut-power-more-600-194155289.html>

<http://www.cbsnews.com/news/more-than-200000-still-without-power-after-michigan-storm/>

Electricity

Storms Knock Out Power to Over 22,000 Customers in Arizona September 8

Heavy storms causing major flooding hit the Phoenix, Arizona area early Monday knocking out power to over 22,000 customers. Salt River Project (SRP) reported about 12,000 customers lost power, and as of 12:00 p.m. MST today, less than 1,000 customers remained without power. Arizona Public Service (APS) reported about 10,000 customers lost power, and as of 10:30 a.m. MST today, 257 customers remained without power.

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

<https://twitter.com/SRPconnect>

<https://twitter.com/apsFYI>

http://www.huffingtonpost.com/2014/09/08/record-rainfall-phoenix_n_5783502.html

DOE Announces \$8 Million to Improve Resiliency of Grid September 8

In support of President Obama's Climate Action Plan and the Administration's commitment to improve national power grid resiliency, today the Department of Energy (DOE) announced more than \$8 million for microgrid projects to help cities and towns better prepare for extreme weather events and other potential electricity disruptions. This investment—which includes seven awardees in Alaska, California, Illinois, Minnesota, New York, Tennessee, and Washington—supports the development of advanced technologies, allowing communities across the country to become more resilient and adaptive. Microgrids are localized grids that are usually connected to the more traditional electric grid but can also disconnect to operate autonomously and help mitigate grid disturbances. DOE supports a wide range of microgrid activities, including research and development, regional and state partnerships, and a project with the Departments of Defense and Homeland Security to demonstrate that a microgrid can maintain reliable and resilient electric power generation and distribution on military installations. The projects announced today will bring together communities, technology developers and providers, and utilities to develop advanced microgrid controllers and system designs for microgrids less than 10 MW. Each project also includes a company cost share ranging from 20 percent to about 50 percent. The seven awardees include ALSTOM Grid, Inc., Burr Energy, LLC, Commonwealth Edison Company (ComEd), Electric Power Research Institute (EPRI), General Electric Company (GE), TDX Power, Inc., and the University of California, Irvine (UCI).
<http://energy.gov/articles/energy-department-announces-8-million-improve-resiliency-grid>

Dominion's 917 MW North Anna Nuclear Unit 2 in Virginia Shut by September 7

On the morning of September 6 the unit was operating at full power.
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

PSE&G's 1,049 MW Hope Creek Nuclear Unit 1 in New Jersey Shut by September 6

On the morning of September 5 the unit was operating at full power.
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

PPL's 1,111 MW Susquehanna Nuclear Unit 2 in Pennsylvania Shut by September 6

Operators at PPL Corporation's Susquehanna nuclear power plant shut unit 2 from full power on Saturday to inspect its turbine blades.
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>
<http://pplweb.mediaroom.com/index.php?s=12270&item=137088>

Update: Southern's 1,152 MW Vogtle Nuclear Unit 1 in Georgia at Full Power by September 6

Southern Co said on September 2 it reduced unit 1 at its Vogtle nuclear power plant in Georgia to 33 percent, from full power, to perform maintenance on the cooling water system of the main generator. On the morning of September 5 the unit had ramped up to 90 percent.
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2014/>

AES's 332 MW Gas-fired Unit 3 in California Reduced by September 7

The unit entered an unplanned curtailment of 152 MW.
<http://content.aiso.com/unitstatus/data/unitstatus201409071515.html>

NextEra Begins Construction on 250 MW Silver South Solar Project in Nevada September 3

NextEra Energy Resources, LLC, Southern California Edison, and First Solar, Inc on September 3 broke ground on the Silver State South Solar Project being constructed in Primm, Nevada, on the California/Nevada border. The project is located near a major transmission hub and is adjacent to an existing power plant and transmission line corridor. A subsidiary of NextEra Energy Resources will own and operate the project. All the power from Silver State South will be provided to Southern California Edison under a long-term contract. The project is expected to be fully operational by early 2016.
<http://investor.firstsolar.com/releases.cfm>

PBF Reports FCCU Emissions, CO Boiler Repairs at Its 182,200 b/d Delaware City, Delaware Refinery September 8

PBF reported a hydrogen cyanide release from the fluid catalytic cracking unit (FCCU) due to ongoing repairs to the carbon monoxide (CO) boiler at its Delaware City, Delaware refinery, according to a filing with the Delaware Department of Natural Resources and Environmental Control.

Reuters, 11:05 September 8, 2014

ExxonMobil Says No Impact on Production from Flaring Event at Its 238,600 b/d Joliet, Illinois refinery September 7

Reuters, 7:17 September 8, 2014

Coker Shut at BP's 160,000 b/d Toledo, Ohio Refinery September 4

BP Plc temporarily closed a coker at its refinery in Toledo, Ohio, a source familiar with the situation said on Friday. The outage at the 7,500 b/d coker was first reported on Thursday by energy industry intelligence service Genscape. The reason for the closure and the timing were not known, but the source said the unit is expected to return to service "shortly."

Reuters, 12:38 September 5, 2014

Shell Announces Start Up of Cardamom Development in Gulf of Mexico

Production was underway from the Cardamom development, the second major deep-water facility Shell has brought online in the U.S. Gulf of Mexico this year, following the start-up of Mars B in February. Oil from the Cardamom subsea development is piped through Shell's Auger platform. When at full production of 50,000 barrels of oil equivalent per day (boe/d), Auger's total production capacity will increase to 130,000 boe/d. The Cardamom field is 225 miles south-west of New Orleans, Louisiana, in water more than 2,700 feet deep.

<http://www.shell.us/aboutshell/us-media-center/news-and-press-releases/2014/shell-announces-cardamom-development-first-oil.html>

Natural Gas

Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas September 6

Regency reported the acid gas injector (AGI) compressor shut on high fourth stage scrubber liquid level. The scrubber was manually drained, level checked, and the compressor was reset and restarted.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=203269>

Enbridge Reports AGIs Shut at Its Tilden Gas Plant in Texas September 7

Enbridge reported due to the unexpected shutdown of the plant, all AGI's shut on low acid gas suction pressure. The back pressure valve and acid gas valve stuck in the closed position. Operations stroked both valves, the plant was restarted and as acid gas flow was established, the AGI's were started and stabilized.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=203270>

Penneast Pipeline's Open Season for Northeast Pipeline Concludes with Nearly 1 Bcf/d of Committed Capacity

PennEast Pipeline Company, LLC announced the successful close of its binding open season for a proposed interstate natural gas pipeline designed to transport approximately 1 Bcf/d to northeast markets. PennEast is a joint project of AGL Resources; NJR Pipeline Company, a subsidiary of New Jersey Resources; South Jersey Industries; and UGI Energy Services (UGIES), a subsidiary of UGI Corporation. The proposed 100-mile PennEast Pipeline would begin in Luzerne County in northeastern Pennsylvania and end at Transco's Trenton-Woodbury interconnection in New Jersey. An existing power generation facility and several delivery points in Pennsylvania and New Jersey are being considered along the proposed route. Pending approvals, pipeline construction could begin in 2017 with an in-service date in late 2017.

<http://www.penneastpipeline.com/140905.php>

Other News

Nothing to report.

International News

Yemen's Maarib Oil Pipeline Attacked, Flows Halted

Tribesmen attacked Yemen's main oil export pipeline on Monday, halting the flow of crude, officials told Reuters. Saboteurs blew up the pipeline near the Wadi Abida production field in the central Maarib province. The state-run Safer oil company owns the pipeline, which leads to the Red Sea. A Yemeni oil official speaking off the record said the line could be repaired in one or two days if tribesmen allowed it. In December, Yemen said oil was being pumped through the pipeline at a rate of around 70,000 b/d. The pipeline used to carry around 110,000 b/d of Maarib light crude to Ras Isa on the Red Sea.

<http://uk.reuters.com/article/2014/09/08/uk-yemen-pipeline-sabotage-idUKKBN0H30KT20140908>

Libya's Oil Output Rises to 740,000 b/d – NOC

Libya's oil output rose to 740,000 b/d, spokesman for state-run National Oil Corp (NOC) said on Monday. Libya had last put production at 725,000 b/d. Output has been driven by several oil ports reopening after the end of protests by a rebel group demanding regional autonomy.

Reuters 10:37 September 8, 2014

Energy Prices

U.S. Oil and Gas Prices			
September 8, 2014			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	92.05	94.51	110.15
\$/Barrel			
NATURAL GAS			
Henry Hub	3.84	4.02	3.55
\$/Million Btu			

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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