



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

# ENERGY ASSURANCE DAILY

Wednesday Evening, April 10, 2013

## Electricity

### Spring Storm Cuts Power to More Than 102,000 Utility Customers in the Central United States April 9–10; More Than 84,000 Customers Remain Without Power April 10

An early spring storm slammed the central United States Tuesday and continued eastward Wednesday, bringing ice, rain, heavy snow, and strong winds that cut power to 102,449 utility customers at its peak. As of 2:30 p.m. EST Wednesday, 84,542 customers remained without power, mostly in southeastern South Dakota and southern Wisconsin. Xcel Energy on Wednesday reported its crews from South Dakota, Minnesota, and North Dakota and contractors from Iowa were all in the field working to restore service to its affected customers in South Dakota. The utility expected additional mutual aid assistance to arrive by Thursday, and it expected to restore the vast majority of its affected customers by Thursday night. In Southern Wisconsin, We Energies reported it was bringing in additional crews to expedite restoration. The U.S. National Weather Service forecast the storm system would bring a variety of weather hazards to parts of the central and eastern United States on Wednesday, including winter weather across parts of the Great Plains and Upper Midwest and moderate to heavy rain across the Ohio Valley and Mid-Atlantic. A risk of severe weather stretches from the Mid-Atlantic across the central Appalachians and Ohio Valley southward across the lower Mississippi Valley.

<http://www.weather.gov/>

[http://www.xcelenergy.com/Xcel\\_Energy\\_builds\\_workforce\\_to\\_restore\\_power](http://www.xcelenergy.com/Xcel_Energy_builds_workforce_to_restore_power)

<http://www.we-energies.com/outagemapext/default.html>

Central United States Customer Power Outages			
April 9–10			
Electric Utility	State	Peak	Latest Reported
Westar Energy	KS	1,433	1,433
Alliant Energy – IPL	MN/IA	4,180	4,180
Xcel Energy – MN	MN	3,988	3,115
Ameren Missouri	MO	7,700	1,333
MidAmerican Energy	NE/IA/IL	1,008	749
Nebraska Public Power District	NE	1,700	125
Sioux Valley Energy	SD/MN	2,698	2,698
Xcel Energy – SD	SD	35,231	35,231
Alliant Energy – WPL	WI	12,760	12,760
We Energies	WI	24,751	20,743
Wisconsin Public Service	WI	7,000	2,175
<b>TOTAL*</b>		<b>102,449</b>	<b>84,542</b>

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

Sources:

<https://www-11.westarenergy.com/outagemaps/outagetable.asp>

<http://www.alliantenergy.com/CustomerService/StormandOutageCenter/OutageSummary/index.htm>

[http://www.xcelenergy.com/Outages/Report\\_a\\_Problem/Outage\\_Map/Outage\\_Map](http://www.xcelenergy.com/Outages/Report_a_Problem/Outage_Map/Outage_Map)

<http://apps.ameren.com/outage/outagemap.aspx?state=MO>

<http://www.midamericanenergy.com/storm/OutageWatch/MECOutageWatch.aspx>

<http://www.nppd.com/outages/>

<https://ebill.siouxvalleyenergy.com/oms/outageMap>

[http://www.xcelenergy.com/Outages/Report\\_a\\_Problem/Outage\\_Map/Outage\\_Map](http://www.xcelenergy.com/Outages/Report_a_Problem/Outage_Map/Outage_Map)

<http://www.alliantenergy.com/CustomerService/StormandOutageCenter/OutageSummary/index.htm>

<http://www.we-energies.com/outagemapext/default.html>

<http://www.wisconsinpublicservice.com/outagesummary/view/outagegrid.aspx>

## **Update: Entergy's 510 MW Vermont Yankee Nuclear Unit in Vermont at Full Power by April 10**

On the morning of April 9 the unit was operating at 55 percent.

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

## **Duke Energy Acquires 21 MW Highlander Solar 1 and 2 Power Projects Under Construction in California**

Duke Energy Renewables, a commercial business unit of Duke Energy, today announced it has acquired two commercial solar power projects near Twentynine Palms, California from project developer SolarWorld. The twin projects, named Highlander Solar 1 and 2, are in close proximity and will be run as a single operation, collectively generating 21 MW of renewable energy. Southern California Edison will buy all of the output generated by the project under a 20-year power purchase agreement. Construction is slated for completion in the second quarter of this year, with commercial operations expected to follow shortly thereafter.

<https://www.duke-energy.com/news/releases/2013041001.asp>

## **FPL Approved to Purchase Power from EcoGen's Three 60 MW Biomass Power Plants Under Construction in Florida**

The Florida Public Service Commission on Monday approved power purchase agreements proposed by Florida Power & Light and U.S. EcoGen LLC. Under the 30-year contracts, EcoGen will sell 60 MW of firm capacity and associated energy from each of its 60 MW biomass electric generating facilities currently under construction in Okeechobee, Clay, and Martin counties. The plants are slated to begin service by June 1, 2019. EcoGen plans to use eucalyptus as the primary fuel source at the plants.

<http://www.floridapsc.com/agendas/archive/130409cc/13040910.html>

<http://www.floridapsc.com/home/news/index.aspx?id=1023>

## ***Petroleum***

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### **SCOT Unit Shutdown Causes SRU Emissions at Alon's 67,000 b/d Big Spring, Texas Refinery April 9**

Alon USA Holdings reported excess emissions from the No. 1 sulfur recovery unit (SRU) at its Big Spring refinery Tuesday night after the No. 1 shell claus off-gas treating (SCOT) unit tripped on flame failure, according to a filing with the Texas Commission on Environmental Quality. The filing reports emissions from the No. 1 tail gas incinerator and the No. 1 SCOT unit, in addition to the No. 1 SRU.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=181441>

### **Unit Trip Causes Emissions at Phillips 66's 247,000 b/d Sweeny, Texas Refinery April 8**

Phillips 66 reported Unit 38 at its Sweeny refinery tripped on Monday while operators were servicing the unit depressure valve, according to a filing with the Texas Commission on Environmental Quality. The trip caused emissions from Flare 29 and Unit 38 for a period of about 22 minutes.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=181406>

### **Phillips 66 Reports Sulfuric Acid Leak at Its 362,000 b/d Wood River, Illinois Refinery April 8**

Phillips 66 reported that approximately one barrel of sulfuric acid leaked from a flange at its Wood River refinery on Monday, according to a filing with the U.S. National Response Center. Operators were investigating the cause of the leak.

[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1043355](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1043355)

### **Heavy Gasoil Leaks from Process Pipeline at Shell's 329,800 b/d Deer Park, Texas Refinery April 8**

Royal Dutch Shell Plc. said a leak of heavy gasoil from a process pipeline was contained at its Deer Park refinery Monday afternoon, according to a spokeswoman. Operators were investigating the cause of the incident.

Reuters, 14:03 April 9, 2013

## **Continental Resources to Ship Bakken Crude Oil by Rail to PBF's 190,000 b/d Delaware City, Delaware Refinery**

PBF Energy Inc. today announced the signing of an agreement with Continental Resources Inc. to supply PBF with Bakken crude oil, which will be delivered by rail to PBF's double-loop track at its refinery in Delaware City, Delaware. PBF did not announce the volumes of Bakken crude it expected to buy from Continental. PBF in February completed a second rail unloading facility at its Delaware City refinery, allowing the plant to take a total of 70,000 b/d of light, sweet crude from North Dakota's Bakken shale and 40,000 b/d of Canadian heavy oil.

<http://investors.pbfenergy.com/phoenix.zhtml?c=250880&p=irol-newsArticle&ID=1805238>

<http://www.reuters.com/article/2013/04/10/pbf-continental-crude-idUSL2N0CX0S520130410>

## **Imperial Oil Reports Brief Fire, Minor Spill of Partially Treated Water at Its 121,000 b/d Sarnia, Ontario Refinery April 9**

Imperial Oil emergency response crews quickly extinguished a fire at the Sarnia refinery thought to have been caused by lightning strike Tuesday night, plant officials said. Emergency crews also responded to a minor spill of partially treated water that overflowed into the St. Clair River.

<http://www.theobserver.ca/2013/04/09/emergency-at-imperial-oil>

<http://blackburnnews.com/sarnia/sarnia-news/2013/04/09/imperial-oil-alert/>

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## **Natural Gas**

### **Pemex, Mitsui to Develop 770 MMcf/d Tucson-Sasabe Natural Gas Pipeline from Arizona to Mexico**

Mexican state oil company Pemex on Tuesday said it has signed an agreement with Japanese conglomerate Mitsui to develop a 770 MMcf/d natural gas pipeline from Tucson, Arizona to Sasabe, Mexico as part of an effort by Pemex and the state power utility, the Federal Electricity Commission, to meet massive demand by industrial users in Mexico attracted by the low prices of shale gas. Under the terms of the agreement, the two companies would also explore the possibility of building another, larger pipeline.

Reuters, 13:09 April 9, 2013

<http://www.platts.com/RSSFeedDetailedNews/RSSFeed/NaturalGas/21927829>

### **Atlas Pipeline Reports Numerous Unit Shutdowns at Its 195 MMcf/d Midkiff Gas Plant in Texas April 7-9**

Atlas Pipeline reported numerous unit shutdowns at its Midkiff plant since April 7 in filings with the Texas Commission on Environmental Quality. Operators had to shut the C-106 electric unit once on April 7 and again on April 9 because the plant's third party power supplier, Sharyland, was providing only low voltage. Engine B-16 shut down on Sunday evening after the right bank turbo bearing failed, causing emissions until the following morning. Finally, Unit B-29 shut down on high inlet air temperature Monday night.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181372>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181373>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181422>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181426>

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## **Other News**

Nothing to report.

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## **International News**

Nothing to report.

## Energy Prices

U.S. Oil and Gas Prices April 10, 2013			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	94.06	95.67	101.57
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.08	4.07	1.99

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](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.oenetl.doe.gov/ead.aspx>

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