



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

# ENERGY ASSURANCE DAILY

Wednesday Evening, April 20, 2011

## Major Developments

### Storms Knock Out Power to Nearly 500,000 Customers across Central United States April 19-20

Storms blasted the central United States on April 19-20, knocking out power to an estimated 497,987 customers across multiple states, news and company sources reported. The storms were expected to impact the eastern United States, as of latest reports. Multiple states reported outages, but the following table lists only those states where 10,000 or more customers lost electricity, based on available data.

| Central U.S. Customer Power Outages   |       |                |                 |
|---------------------------------------|-------|----------------|-----------------|
| April 19 – 20, 2011                   |       |                |                 |
| Electric Utility                      | State | Peak           | Latest Reported |
| Ameren                                | IL    | 82,092         | 29,434          |
| Mt. Carmel Public Utility             | IL    | 5,500          | 1,000*          |
| Egyptian Electric Cooperative         | IL    | 5,200          | 2,630           |
| Tri-County Electric Cooperative       | IL    | 2,500          | 1,500           |
| MLGW                                  | TN    | 64,000         | 44,000          |
| Clarksville Department of Electricity | TN    | 25,000         | 5,000           |
| Nashville Electric Service            | TN    | 12,500         | 1,108           |
| Gibson EMC                            | TN    | 12,000         | 8,000           |
| Paris Board of Public Utilities       | TN    | 11,500         | 2,250           |
| Cumberland EMC                        | TN    | 6,000          | 4,200           |
| Duke Energy                           | IN    | 52,000         | 21,195          |
| Vectren                               | IN    | 17,000         | 12,000          |
| Crawfordsville Electric Light & Power | IN    | 3,000          | 500             |
| Southeastern Indiana REMC             | IN    | 2,300          | 2,300           |
| Jackson County REMC                   | IN    | 1,600          | 1,600           |
| Indianapolis Power and Light          | IN    | 1,300          | 45              |
| Indiana Michigan Power                | IN    | 1,118          | 1,118           |
| Entergy                               | AR    | 43,060         | 14,962          |
| Duke Energy                           | OH/KY | 42,000         | 5,889           |
| South Central Power                   | OH    | 30,000         | 6,970           |
| AEP                                   | OH    | 28,000         | 4,424           |
| Toledo Edison                         | OH    | 3,500          | 3,500           |
| Duquesne Light                        | OH    | 2,600          | 1,600           |
| Energy Cooperative                    | OH    | 1,948          | 38              |
| LG&E                                  | KY    | 16,000         | 1,361           |
| Ameren                                | MO    | 6,843          | 280             |
| Citizens Electric                     | MO    | 5,126          | 1,000           |
| Semo Electric                         | MO    | 3,000          | 1,000           |
| Alabama Power                         | AL    | 11,300         | 11,300          |
| <b>TOTAL *</b>                        |       | <b>497,987</b> | <b>190,204</b>  |

\*Company restored power to “most” customers, according to local news source.

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

Sources:

<http://www.cnn.com/2011/US/04/20/severe.weather/index.html?hpt=T2>  
Ameren (Illinois): <http://apps.ameren.com/outage/OutageMap.aspx?state=IL> ,  
<http://www.illinoisoutage.com/go/doc/1787/1069439/>  
Mt. Carmel Public Utility: [http://tristate-media.com/drr/news/local\\_news/article\\_e019cc1a-6b63-11e0-baaf-001cc4c002e0.html](http://tristate-media.com/drr/news/local_news/article_e019cc1a-6b63-11e0-baaf-001cc4c002e0.html) , [http://www.mtcpu.com/about\\_us/about\\_us.php](http://www.mtcpu.com/about_us/about_us.php)  
Egyptian Electric Cooperative: <http://www.eeca.coop/content/update-storm-restoration-efforts>  
Tri-County Electric Cooperative: <http://www.tricountycoop.com/>  
MLGW: [http://www.mlgw.com/SubView.php?key=about\\_newsreleases&chunkid=375](http://www.mlgw.com/SubView.php?key=about_newsreleases&chunkid=375) ,  
<http://www.wreg.com/news/wreg-mlgw-update,0,1317343.story>  
Clarksville Department of Electricity:  
<http://www.theleafchronicle.com/article/20110420/MAJOREVENT/110420001/15-homes-damaged-about-16K-still-lack-power-Montgomery-County>  
Gibson EMC: <http://www.gibsonemc.com/news/newsdetail.aspx?itemID=50>  
Nashville Electric Service: <http://www.nespower.com/OutageMap/default.aspx>  
 , <http://www.tennessean.com/article/20110420/NEWS01/110420002/3-600-NES-customers-without-power-Wednesday->  
Paris Board of Public Utilities:  
[http://www.parispi.net/articles/2011/04/20/news/local\\_news/doc4daf0dd5f0498203876339.txt](http://www.parispi.net/articles/2011/04/20/news/local_news/doc4daf0dd5f0498203876339.txt)  
Cumberland EMC: <http://www.theleafchronicle.com/article/20110420/MAJOREVENT/110420001/15-homes-damaged-about-16K-still-lack-power-Montgomery-County> , <http://businessclarksville.com/2011/04/20/storms-knock-out-power-for-thousands/>  
Duke Energy (Indiana): <http://www.duke-energy.com/indiana/outages/current.asp> ,  
<http://www.wave3.com/story/14479085/new-albany-hit-hard-by-severe-storms>  
Vectren: <http://www.courierpress.com/news/2011/apr/20/severe-storms-race-across-region/?print=1> ,  
[http://tristatehomepage.com/fulltext?nxd\\_id=264927](http://tristatehomepage.com/fulltext?nxd_id=264927)  
Crawfordsville Electric Light & Power: <http://www.thepaper24-7.com/main.asp?SectionID=23&SubSectionID=22&ArticleID=30545> ,  
[http://www.journalreview.com/news/article\\_741524da-6b66-11e0-98a1-001cc4c03286.html](http://www.journalreview.com/news/article_741524da-6b66-11e0-98a1-001cc4c03286.html)  
Southeastern Indiana REMC: <http://www.seirem.com/info/info/outage.htm>  
Jackson County REMC: <http://www.jacksonremc.com/outages.htm>  
Indianapolis Power and Light: <http://apps.iplpower.com/outages/outagemap.aspx> ,  
<http://www.theindychannel.com/news/27608279/detail.html>  
Indiana Michigan Power: <https://www.indianamichiganpower.com/outages/>  
Entergy: <http://viewoutage.entergy.com/ar.aspx>  
 , <http://www.arkansasonline.com/news/2011/apr/19/32-arkansas-counties-under-tornado-watch/?news-arkansas>  
Duke Energy (Ohio/Kentucky): <http://www.duke-energy.com/ohio/outages/current.asp>  
 , <http://news.cincinnati.com/article/20110419/NEWS01/304190016/High-winds-rain-knock-out-power?odyssey=tab|topnews|text|FRONTPAGE>  
South Central Power: [http://www.southcentralpower.com/OW/ow\\_map.aspx?county=0](http://www.southcentralpower.com/OW/ow_map.aspx?county=0) ,  
<http://www2.nbc4i.com/weather/2011/apr/20/26/mcpeek-showers-storms-ar-458601/>  
AEP: <https://www.aepohio.com/outages/Default.aspx>  
 , <https://www.aepohio.com/outages/details.aspx?stormName=AEP%20Ohio%20April%2020%20Wind%20Storm>  
Toledo Edison: [http://www.firstenergycorp.com/outages/outages.do?state\\_code=OH](http://www.firstenergycorp.com/outages/outages.do?state_code=OH) ,  
<http://toledoblade.com/local/2011/04/20/Storms-knock-out-power-to-55000-across-Ohio.html>  
Duquesne Light: [http://www.timesonline.com/news/early-morning-storms-knock-out-power-down-trees/article\\_daabd16a-6b59-11e0-b8fb-0019bb30f31a.html](http://www.timesonline.com/news/early-morning-storms-knock-out-power-down-trees/article_daabd16a-6b59-11e0-b8fb-0019bb30f31a.html)  
Energy Cooperative: <http://www.theenergycoop.com/outage.aspx>  
LG&E: <http://stormcenter.lge-ku.com/default.html> , <http://www.wave3.com/story/14479985/utility-crews-working-to-restore-power>  
Ameren (Missouri) <http://apps.ameren.com/outage/OutageMap.aspx?state=MO>  
Citizens Electric: <http://www.semissourian.com/story/1720285.html>  
Semo Electric: <http://www.kfvs12.com/story/14480563/storm-power-outages>  
Alabama Power: <http://twitter.com/#!/alabamapower> ,  
<http://www.tuscaloosaneews.com/article/20110420/NEWS/110429999/1007?Title=Residents-taking-to-Twitter-to-report-damage-across-Tuscaloosa>

### **Update: Citing Japanese Disaster, NRG Energy Drops Plans to Pursue Two-Unit, 2,700 MW Nuclear Power Expansion at Existing Facility in South Texas**

Citing “the diminished prospects for the South Texas Project nuclear development project as a result of the ongoing nuclear incident in Japan,” NRG said yesterday that it would write down its investment in the project and stop investing funds in the development effort. The company, along with Toshiba, had planned to construct two units – generating a combined 2,700 MW of electricity – at the existing South Texas nuclear facility in Texas. NRG said it could pursue the project if the situation changed, but the company’s chief executive said that the chances of that happening were “extremely daunting and at this point not particularly likely.”

<http://phx.corporate-ir.net/External.File?item=UGFyZW50SUQ9OTAwMzB8Q2hpbGRJRDR0tMXxUeXBIPtM=&t=1>  
<http://www.nytimes.com/2011/04/20/business/energy-environment/20nuke.html?src=busln>

### **Sempra Generation Plans 156 MW Energía Sierra Juárez Wind Power Project in Baja California, Mexico**

San Diego Gas & Electric (SDG&E) entered into a contract to purchase power from the project’s first phase, representing 156 MW of electricity, SDG&E said on April 19. Sempra Generation is expected to break ground on the project in 2012 and complete the facility in 2013.

[http://public.sempira.com/newsreleases/viewpr.cfm?PR\\_ID=2599&Co\\_Short\\_Nm=SDGE](http://public.sempira.com/newsreleases/viewpr.cfm?PR_ID=2599&Co_Short_Nm=SDGE)

### **Update: NRC Issues Final Environmental Impact Statement in Support of SCE&G’s Plans to Construct Two New Nuclear Reactors at Existing Summer Nuclear Power Plant in South Carolina April 19**

The Nuclear Regulatory Commission and the U.S. Army Corps of Engineers, Charleston District, issued a Final Environmental Impact Statement (FEIS) in apparent support of the project, concluding that there were no environmental impacts to preclude issuing South Carolina Electric & Gas (SCE&G) Combined Licenses to construct and operate the new units. SCE&G plans to construct two 1,100 MW units.

<http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-067.pdf>

## **Petroleum**

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### **Equipment Malfunction Leads to Plant Shutdown at Chevron’s 330,000 b/d Pascagoula, Mississippi by April 20**

Chevron initiated a controlled plant shutdown after an equipment snag, the company said in a regulatory filing. Reuters, 00:38 April 20, 2011

### **Valero Expects no Impact on Production after Power Outage, Unit Shutdowns at 315,000 b/d Corpus Christi, Texas Refinery April 19**

A power outage forced offline an unspecified number of units at the facility on April 19, but Valero was restarting those units later in the day and did not expect that incident to materially impact production, a company spokesman said. The power outage and restarts led to emissions, according to multiple filings with state regulators.

<http://www.bloomberg.com/news/2011-04-19/valero-corpus-christi-west-restarting-after-power-outage-1-.html>  
<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=153501>  
<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=153503>

### **FCC Shuts at ExxonMobil’s 238,600 b/d Joliet, Illinois Refinery by April 20**

A gasoline-producing fluid catalytic cracking (FCC) unit shut for unknown reasons by April 20, ExxonMobil said in a filing with state regulators. The incident led to emissions and the company was “in the process of troubleshooting the unit to get it restarted,” according to the filing.

Reuters, 00:20 April 20, 2011

### **Update: After Power Trip, Tesoro Restarting Unit at 96,860 b/d Wilmington, California Refinery by April 19**

A power trip forced offline an unidentified process unit at the facility by April 19, but the company was restarting that unit on April 19, Tesoro said. The company said the incident had not affected throughput.  
Reuters, 16:06 April 19, 2011

### **Update: After Fire, Sunoco Restarts 90,000 b/d FCC at 335,000 b/d Philadelphia, Pennsylvania Refinery April 20**

Sunoco restarted a 90,000 b/d gasoline-making fluid catalytic cracking (FCC) unit on April 20, sources familiar with the facility's operations said, after a fire forced shut the unit last week. The company expected the FCC to resume production tomorrow, the sources said.

Reuters, 13:20 April 20, 2011

### **Update: Hess Finishes Shutting Older Units at St. Croix, U.S. Virgin Islands Refinery, Reducing Capacity from 500,000 b/d to 350,000 b/d by April 20**

Hess finished shutting older, less efficient units at its St. Croix, U.S. Virgin Islands refinery, reducing the facility's capacity by 30 percent, from 500,000 b/d to 350,000 b/d, a company executive said on April 20. The company expects the shutdowns to increase its profitability.

DJN, 12:42 April 20, 2011

### **U.S. Crude Oil Stocks Dip by 2.32 Million Barrels in Week Ended April 15, EIA Reports – Analysts Had Expected 1.1 Million Barrel Increase**

U.S. crude oil stocks slid by 2.32 million barrels to a total 356.97 million barrels in the week ended April 15, the Energy Information Administration (EIA) said on April 20, countering analysts' expectations of a 1.1 million barrel increase.

<http://af.reuters.com/article/energyOilNews/idAFN2015232420110420>

[http://eia.doe.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

### **Gadhafi Government Using Intermediaries to Import Gasoline, Avoid International Sanctions in Libya: Reuters**

<http://af.reuters.com/article/topNews/idAFJOE73J0JZ20110420>

### **Update: Ecopetrol Sees No Impact to Exports or Production after Weekend Attack along 220,000 b/d Cano Limon-Covenas Oil Pipeline in Colombia**

Attackers blew up a portion of the pipeline over the weekend, but the line was not delivering oil when the attack occurred and the incident did not impact production or exports, according to source with Ecopetrol, Colombia's state-run oil company. The 480-mile pipeline is designed to deliver as much as 220,000 b/d, but typically transports approximately 80,000 b/d.

Reuters, 15:47 April 19, 2011

## ***Natural Gas***

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### **Citing Changing Market, Excelerate Energy to Retire Deepwater LNG Import Facility in Gulf of Mexico**

Citing "the changing market for liquefied natural gas (LNG) imports into the U.S. Gulf Coast," Excelerate Energy said recently that it planned to retire its Gulf Gateway Energy Bridge Deepwater Port LNG import facility. Gulf Gateway was the world's first deepwater LNG import facility. It is located 116 miles offshore and is equipped to deliver up to 690 MMcf/d of natural gas. Excelerate expects to remove the facility within 68 days of permit approval.

<http://www.excelerateenergy.com/2011/04/04-13-2011.html>

<http://www.excelerateenergy.com/gulfgateway.html>

## Other News

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### U.S. Ethanol Production Slides to 856,000 b/d in Week to April 15, Marking Lowest Level since September 2010

The slide in production came as corn prices rose to record highs.  
DJN, 11:30 April 20, 2011

## Energy Prices

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| U.S. Oil and Gas Prices<br>April 20, 2011                            |        |          |          |
|--|--------|----------|----------|
|  | Today  | Week Ago | Year Ago |
| <b>CRUDE OIL</b><br><b>West Texas Intermediate U.S.</b><br>\$/Barrel | 110.71 | 104.92   | 83.29    |
| <b>NATURAL GAS</b><br><b>Henry Hub</b><br>\$/Million Btu             | 4.19   | 4.08     | 4.02     |

Source: Reuters

## Energy Notes

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### Storms, Extended Repairs, and Planned Outages to Blame as More than 29,000 MW of U.S. Nuclear Power Capacity Offline April 19 – Total is Highest for Spring Season Since 1999

Reuters, 19:52 April 19, 2011

### Fire on Power Pole Temporarily Forces Shut International Drive in Tysons Corner, Virginia April 20

<http://www.wtop.com/?nid=41&sid=2352790>

### ExxonMobil Sees No Impact on Production after Mechanical Issue, Flaring at 149,500 b/d Torrance, California Refinery by April 19

Reuters, 15:48 April 19, 2011

### BOEMRE Completes Draft Supplemental Environmental Impact Statement for Proposed Oil and Gas Lease Sale 218 in the Western Planning Area of the Gulf of Mexico April 19

<http://www.boemre.gov/ooc/press/2011/press0419b.htm>

### Update: Refinery Utilization Rises 15.4 Percent to Total 54.4 Percent across Northeast PADD I Region in Week Ended April 15: EIA

[http://eia.doe.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Reuters, 10:40 April 20, 2011

### Upset Leads to Shutdown at Aker Gas Plant in Texas April 19

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153515>

### Turbine Work Triggers Flaring at Goldsmith Gas Plant in Texas April 19

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153535>

## Links

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***This Week in Petroleum*** from the Energy Information Administration (EIA)

<http://tonto.eia.doe.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

***Weekly Petroleum Status Report*** from EIA

[http://www.eia.doe.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://www.eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

***Natural Gas Weekly Update*** from EIA

<http://tonto.eia.doe.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM EST every Thursday.

### ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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