



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

# ENERGY ASSURANCE DAILY

Wednesday Evening, June 22, 2011

## Major Developments

### Storms Pummel U.S. Midwest and Tennessee, Delaying Flights and Knocking Out Power to Over 670,000 Customers, Including Parts of the Chicago, Illinois Metro Area June 21-22

Storms swept through the Midwest, causing particular damage in the Chicago, Illinois area. O'Hare International Airport canceled at least 350 flights, and Chicagoland commuter train passengers were stranded for hours. Vice President Joe Biden's return to Washington was also delayed by the storm. About 400,000 Commonwealth Edison (ComEd) customers throughout the area were without power. The Knoxville Utilities Board (KUB) in Tennessee reported the largest power outage in the utility's history, with 127,000 customers without electricity. In Grand Rapids, Michigan, high winds pulled two hangars off of their foundations at the Gerald R. Ford International Airport.

U.S. Midwest and Tennessee Customer Power Outages			
June 21-22			
Electric Utility	State	Peak	Latest Reported
ComEd	IL	400,000	220,000
KUB	TN	127,000	64,000
Consumers Energy	MI	42,000	9,000
DTE Energy	MI	21,000	2,000
We Energies	WI/MI	34,000	1,648
Appalachian Power	WV	20,000	5,118
NIPSCO	IN	17,000	307
Toledo Edison	OH	10,000	0
<b>TOTAL *</b>		<b>671,000</b>	<b>302,073</b>

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

Sources:

<http://www.cnn.com/2011/US/06/22/illinois.storms/>

<http://www.seattlepi.com/news/article/Storm-strands-Chicago-commuters-for-5-hours-1434659.php>

ComEd: <http://twitter.com/#!/ComEd/status/83627993850855426>

KUB: <http://www.volunteertv.com/home/headlines/124325439.html> ,

[http://www.kub.org/wps/wcm/connect/400525804752b330b4aef4850412d6f2/11June+22StormmUpdate1130am\\_MA+%233+WEB.pdf?MOD=AJPERES](http://www.kub.org/wps/wcm/connect/400525804752b330b4aef4850412d6f2/11June+22StormmUpdate1130am_MA+%233+WEB.pdf?MOD=AJPERES)

Consumers Energy: <http://twitter.com/#!/ConsumersEnergy/status/83536632799698945> ,

[http://www.woodtv.com/dpp/news/local/kent\\_county/power-outages-june-21-2011](http://www.woodtv.com/dpp/news/local/kent_county/power-outages-june-21-2011)

DTE Energy: <http://www.freep.com/article/20110622/NEWS05/110622005/More-severe-weather-on-the-way-after-storms-leave-21-000-without-power?odyssey=tab|mostpopular|text|FRONTPAGE>

We Energies: [http://twitter.com/#!/we\\_energies/status/83626628118347776](http://twitter.com/#!/we_energies/status/83626628118347776) , <http://www.we-energies.com/outagemapext/>

Appalachian Power: <http://sundaygazetteemail.com/News/201106211211> , <https://appalachianpower.com/outages/>

NIPSCO: [http://www.nwtimes.com/news/local/illinois/article\\_8209511b-d7da-5106-8caa-3114e5f80aae.html](http://www.nwtimes.com/news/local/illinois/article_8209511b-d7da-5106-8caa-3114e5f80aae.html)

Toledo Edison: <http://www.wkyc.com/news/article/194836/3/Utility-restores-power-in-NW-Ohio-after-storm>  
[http://www.firstenergycorp.com/outages/outages.do?state\\_code=OH](http://www.firstenergycorp.com/outages/outages.do?state_code=OH)

### **Update: Wallow Fire in Arizona Moves Northwest and West, But Not Towards TEP Power Lines as of June 22**

According to Tucson Electric Power (TEP), the “fire does not appear to be advancing any closer to TEP's transmission lines amid calm weather this morning.” El Paso Electric said in a June 22 statement that the “fire line is no longer an immediate threat to El Paso Electric's transmission lines” as long as the weather holds. Smoke is currently light. The fire's eastern front had burned to within a mile or so of the TEP lines over the weekend.

<http://www.tucsonelectric.com/Company/News/WallowFire/>

<http://www.inciweb.org/incident/article/2262/11945/>

### **Update: Willow Fire in Arizona 20 Percent Contained June 22**

The fire is assessed by the state as being of “moderate risk” to two 345 kV APS power lines.

<http://www.azein.gov/azein/Lists/Announcements/DispForm.aspx?ID=1824>

### **Update: New Thunderstorms Drench Texas, Pushing Peak Number of Oncor Customers in Texas without Power to 20,000 the Morning of June 22**

According to news reports, new overnight storms left a peak of 20,000 Oncor customers in the dark just one day after thunderstorms knocked out power to 47,000 Oncor customers. According to previous reports, Oncor had gotten the number of customers without power down to 16,881 before the second batch of storms hit. As of latest reports, just 6,338 customers are without power.

<http://www.oncor.com/community/outages/#>

<http://www.dallasnews.com/news/local-news/20110622-second-round-of-overnight-storms-causes-minor-damage-scattered-power-outages-in-dallas-fort-worth.ece>

### **Update: Fewer than 100 North Georgia EMC Customers Remain in the Dark in Georgia June 21 after Saturday's Storm**

North Georgia EMC (NGEMC) is now reporting that at the peak of the storm on June 18 more than 25,000 of its customers were without power across Georgia. According to earlier reports, NGEMC reported a peak of just 6,500 customers without power.

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

<http://daltondailycitizen.com/local/x1625123302/Storm-damages-almost-180-area-homes>

### **Update: Constellation's 835 MW Calvert Cliffs Nuclear Unit 2 in Maryland Reduced to 10 Percent by June 22**

The Nuclear Regulatory Commission reported that on the morning of June 21 the unit was operating at 25 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **Update: Southern's 839 MW Farley Nuclear Unit 2 in Alabama at Full Power by June 22**

The Nuclear Regulatory Commission reported that on the morning of June 21 the unit was operating at 70 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Reduced to 90 Percent by June 22**

The Nuclear Regulatory Commission reported that on the morning of June 21 the unit was operating at full power. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **Update: Reliant's 775 MW Ormond Beach Gas-Fired Unit 2 in California Returns to Service by June 21**

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment by June 21.

<http://www.caiso.com/unitstatus/data/unitstatus201106211515.html>

### **AES's 495 MW Alamosa Gas-Fired Unit 6 in California Shut by June 21**

According to the California Independent System Operator, the unit reported an unplanned outage by June 21.

<http://www.caiso.com/unitstatus/data/unitstatus201106211515.html>

### **Calpine's 561 MW Los Medanos Gas-Fired Unit in California Reduced by June 21**

According to the California Independent System Operator, the unit reported an unplanned curtailment of 297 MW by June 21.

<http://www.caiso.com/unitstatus/data/unitstatus201106211515.html>

### **Three Units Shut at AES's Redondo Beach Gas-Fired Power Plant in California by June 21**

According to the California Independent System Operator, units 5, 6, and 8 each reported an unplanned outage by June 21. Unit 5 has a capacity of 179 MW, unit 6 has a capacity of 175 MW, and unit 8 has a capacity of 496 MW.

<http://www.caiso.com/unitstatus/data/unitstatus201106211515.html>

### **Entegra Power's 291 MW Gila River Dynamic Resource Gas-Fired Unit in Arizona Returns to Service by June 21**

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment by June 21.

<http://www.caiso.com/unitstatus/data/unitstatus201106211515.html>

### **Update: AEP's 675 MW Pirkey Coal-Fired Unit in Texas Starting Up June 22**

The unit was shut June 18 due to a hydraulic fluid leak on a turbine valve.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155862>

### **OPG's 535 MW Lennox Oil- and Gas-Fired Unit 1 in Ontario Shut June 20**

Reuters, 18:16 June 21, 2011

### **Update: NRG's 864 MW Limestone Coal-Fired Unit 2 in Texas Returning to Service June 21-22**

The unit shut June 20-21 to repair a hydrogen leak in the generator.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155972>

### **Energy Northwest to Extend Reactor Outage at 1,131 MW Columbia Nuclear Power Plant in Washington**

The outage, which began in early April, was originally planned to last up to 80 days so operators could replace the plant's main condenser. The company determined that the outage must be extended through the end of July to finish the work. When the plant comes back online, the replacement will add 12 MW to the plant's capacity.

Reuters, 17:30 June 21, 2011

### **DOE Offers Granite Renewable Power, LLC nearly \$136 Million in Loan Guarantees for a 99 MW Wind Project to Be Located in Coos County, New Hampshire June 21**

<http://www.energy.gov/news/10388.htm>

### **U.S. Energy Companies Accelerating Work on Solar Projects to Benefit from Soon-to-Expire Tax Grants**

According to a June 16 report from the Solar Energy Industries Association, solar power installations jumped 66 percent in the first quarter of 2011 as developers scrambled to build projects before a set of tax credits expire this December. According to Bloomberg, developers are concerned that banks will not be able to make up the gap in financing once the tax credits disappear. The CEO of Recurrent Energy said that financing could "drop off a cliff" for the 30 GW of utility-scale solar power projects currently planned in the U.S.

<http://www.bloomberg.com/news/2011-06-21/solar-companies-race-to-finish-projects-as-tax-grants-expire.html>

### **ALLETE Accelerates Plan to Build 105 MW Bison 3 Wind Power Project in North Dakota before Federal Production Tax Credits Expire at End of 2012**

The company submitted its plan to build the project to the Minnesota Public Utilities Commission. The company hopes to bring Bison 3 into service in 2012.

<http://investor.allete.com/Investor%20Communications/releasedetail.cfm?ReleaseID=586753>

### **Power Disruption Shuts Hydrocracking Unit 1 at ExxonMobil's 560,640 b/d Baytown, Texas Refinery June 21**

According to a filing with state regulators, the power disruption shut the unit and led to atmospheric emissions.

Reuters, 17:26 June 21, 2011

Reuters, 00:09 June 22, 2011

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155973>

### **SRU Goes down at Wynnewood Refining's 70,000 b/d Wynnewood, Oklahoma Refinery June 21**

The sulfur recovery unit (SRU) went down at 10:30 local time for unknown reasons, leading to flaring. Operators are attempting to restart the unit.

Reuters, 00:08 June 22, 2011

Reuters, 01:45 June 22, 2011

### **Small Fire Extinguished at ExxonMobil's 504,500 b/d Baton Rouge, Louisiana Refinery June 21**

The fire started after a reactor flange leaked "heavy powerformer feed." Operators are working to make repairs to the flange.

Reuters, 00:08 June 22, 2011

### **Valero Reports Compressor Upset and Flaring at 144,000 b/d Benicia, California Refinery June 21**

According to a filing with state regulators, there was no material impact on production.

Reuters, 14:29 June 21, 2011

Reuters, 14:46 June 21, 2011

Reuters, 15:51 June 21, 2011

<http://www.oes.ca.gov/Operational/MALHaz.nsf/f1841a103c102734882563e200760c4a/5607c395be1ecb0b882578b6006528c8?OpenDocument>

### **Transocean Releases Internal Investigation into Deepwater Horizon Oil Spill June 22**

The company says that BP did not assess risks properly, and failed to communicate dangers with Transocean.

According to the report, "The Macondo incident was the result of a succession of interrelated well design, construction, and temporary abandonment decisions that compromised the integrity of the well and compounded the risk of its failure."

<http://www.deepwater.com/fw/main/Public-Report-1076.html>

<http://www.ky3.com/news/sns-rt-us-transocean-bptre75l2qi-20110622,0,5979893.story>

[http://www.rigzone.com/news/article.asp?a\\_id=108273](http://www.rigzone.com/news/article.asp?a_id=108273)

### **Statoil to Invest in Low-Pressure Field Production at Njord License in Norwegian Sea, Boosting Production by About 18.5 Million boe**

The project should also extend the field's working life by two to three years, to 2020. Low pressure production is due to start at the field in the fourth quarter of 2012.

[http://www.rigzone.com/news/article.asp?a\\_id=108272](http://www.rigzone.com/news/article.asp?a_id=108272)

### **U.S. Development Group Building 40,000 b/d Crude Oil Rail Terminal near Cotulla, Texas**

The terminal, located on a United Pacific Corp. rail line, will have the capacity to load up to 40,000 b/d of Eagle Ford shale crude oil onto rail cars from trucks. The crude will then be delivered by rail to refiners and processing plants. The company announced on July 21 that the project is due to be complete in July.

<http://www.chron.com/dispatch/story.mpl/business/energy/7621116.html>

### **Sasol/Talisman Energy Partnership Studying Potential Gas-to-Liquids Facility in Canada**

The proposed facility would convert shale gas to naphtha, diesel, and liquefied petroleum gas. The partnership plans to decide whether to pursue the facility in the second half of 2012.

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=26996](http://www.downstreamtoday.com/news/article.aspx?a_id=26996)

## Natural Gas

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Nothing to report.

## Other News

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### Explosion Forces Shut Georgia Biomass's 750,000 Tons/Yr. Wood Pellet Processing Plant near Waycross, Georgia June 20

Though there were no injuries, the explosion did "extensive damage" to the plant, which will "probably be down an extended period of time" according to the Ware County fire chief. However, the plant manager said that the fire was "small" and contained to a small area of the facility.

<http://jacksonville.com/news/crime/2011-06-21/story/explosion-damages-waycross-plant-no-injuries-reported>

### MSHA Makes Emergency Rules Regarding Explosive Mine Coal Dust Permanent June 20

The Mine Safety and Health Administration (MSHA) announced the final rule regarding explosive mine coal dust on Monday. The rule was originally issued in September 2010, five months after a fatal explosion at Massey Energy's Upper Big Branch coal mine in West Virginia. According to the rule, mines must mix higher levels of pulverized stone or other inert materials with coal dust in tunnels.

<http://www.therepublic.com/view/story/81953c15c4ff4c8ea3ccc5eefc8454c6/WV--Mine-Safety/>

### EPA Proposes on June 21 to Reduce Required Amount of Cellulosic Ethanol in Gasoline from 500 Million Gallons to 12.9 Million Gallons for 2012

According to a 2007 law, the U.S. mandated the use 500 million gallons of cellulosic ethanol in gasoline tanks in 2012. However, the U.S. Environmental Protection Agency (EPA) proposed on Tuesday slashing that requirement down to 12.9 million gallons based on "market availability."

<http://www.detnews.com/article/20110622/AUTO01/106220324/1148/auto01/EPA-cuts-ethanol-mandate-for-2012>

## Energy Prices

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U.S. Oil and Gas Prices			
June 22, 2011			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	94.95	97.17	77.99
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.42	4.59	5.15

Source: Reuters

## Energy Notes

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### Wind Storms Leave 12,000 MidAmerican Energy Customers in the Dark in Southwest Iowa June 20 – Only Scattered Outages Reported June 22

<http://www.omaha.com/article/20110622/NEWS01/706229883>

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

### Update: OPPD and NPPD Report Availability of Power Will Remain Stable for Nebraskans Despite Rising Flood Waters

<http://www.nema.ne.gov/pdf/jic-daily/june-21-2011.pdf>

**Pima County Approves TEP's Proposed 25 MW Solar Array in Avra Valley, Arizona – Construction Is Due to Be Complete in April 2012**

<http://finance.yahoo.com/news/Pima-County-Supervisors-bw-475913595.html?x=0&.v=1>

**Holt Logistics and SunPower Plan 9 MW Riverside Solar Installation at Gloucester City, New Jersey Marine Terminal – Will Be Largest Rooftop Solar Plant in North America**

[http://www.pv-magazine.com/news/details/archive/2011/june/beitrag/north-americas-largest-rooftop-solar-power-plant-announced\\_100003417/](http://www.pv-magazine.com/news/details/archive/2011/june/beitrag/north-americas-largest-rooftop-solar-power-plant-announced_100003417/)

**Employee Dies at BP's 265,000 b/d Carson Refinery in California in Industrial Accident June 22**

<http://www.sacbee.com/2011/06/22/3720007/worker-killed-in-accident-at-carson.html>

**Valero's 235,000 b/d Aruba Refinery Increasing to Planned Rates June 22 – Hydrotreaters Went Down as the Plant Restarted from a June 9 Power Outage**

Reuters, 10:08 June 22, 2011

**Gulf Station in Essex Junction, Vermont Has Likely Leaked Gasoline since February – Agency of Natural Resources Estimates 2,600 Gallons Have Leaked into Soil**

<http://www.wcax.com/story/14943512/essex-jct-gas-leak-may-be-larger-than-thought>

**Rains Flood Jellico No. 1 Coal Mine in Kentucky, Trapping Three Men inside June 20**

<http://www.businessweek.com/ap/financialnews/D9NVT983.htm>

**Sudanese President Threatens to Block Oil Pipelines Unless South Sudan Government Pays Transit Fees or Shares Oil Revenue June 21 – South Sudan to Become Independent on July 9**

Reuters, 16:31 June 21, 2011

<http://abcnews.go.com/Business/wireStory?id=13903057>

**Thunderstorm Knocks Out TOX-1 Unit at Kripple Creek Gas Plant in Texas June 21**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155983>

**DCP Midstream Unable to Handle Natural Gas from Penn Unit ABCD Battery Andres and XTO Energy's Univ N Tank Battery in Texas, Leading to Flaring June 21-22**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155939>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155941>

**AGI Compressor Shuts Due to Compressor Controller Overheating at Waha Gas Plant in Texas June 21**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155981>

## **Links**

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***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 EST every Wednesday.

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

<http://www.eia.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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