



ENERGY ASSURANCE DAILY

Thursday Evening, October 15, 2009

Electricity

Update: Fewer than 40,000 Still without Power in California after Storms October 13-15

An estimated 35,740 customers remained without power in California on October 15, two days after storms knocked out power to more than 400,000, sources reported. The storms cut power, total, to more than 1 million customers, but the 400,000 figure represents the greatest number of customers without electricity at one time. PG&E, the hardest-hit utility, expected to restore power to most affected customers by October 16, but said some customers could remain in the dark for a few days. The following table lists peak and current outage figures, based on latest reported data.

| California Customer Power Outages | | | |
|---------------------------------------|-------|----------------|-----------------|
| October 13 – October 15 | | | |
| Electric Utility | State | Peak | Latest Reported |
| Pacific Gas & Electric | CA | 277,000 | 20,300 |
| Sacramento Municipal Utility District | CA | 90,000 | 620 |
| Southern California Edison | CA | 19,500 | 11,700 |
| LADWP | CA | 26,000 | 3,120 |
| TOTAL* | | 412,500 | 35,740 |

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

Sources:

PG&E: <http://www.pge.com/myhome/edusafety/naturaldisaster/stormsoutagessafety/>

<http://www.pressdemocrat.com/article/20091013/ARTICLES/910139916?Title=-No-heading->

SMUD: <http://www.smud.org/en/Pages/scattered-outages.aspx>

<http://www.smud.org/en/power/Pages/index.aspx>

<http://www.smud.org/en/Pages/storm-cleanup.aspx>

<http://www.cpradio.org/articles/articleDetail.aspx?articleid=7229>

SCE: <http://latimesblogs.latimes.com/lanow/2009/10/rain-storm.html>

http://www.presstelegram.com/news/ci_13563864

LADWP: <http://www.ladwpnews.com/go/doc/1475/354950/>

<http://www.ladwpnews.com/go/doc/1475/354354/>

<http://www.ladwpnews.com/go/doc/1475/354350/>

<http://www.ladwpnews.com/go/doc/1475/355318/>

Update: CDWR's 933 MW Hyatt-Thermalito Hydro Unit in California Ramps up by October 14

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment of 465 MW.

<http://www.caiso.com/unitstatus/data/unitstatus200910141515.html>

Update: Delta Energy Center's 861 MW Delta Energy Center Gas-fired Unit in California Returns to Service by October 14

According to the California Independent System Operator, the unit reported a return from an unplanned outage.

<http://www.caiso.com/unitstatus/data/unitstatus200910141515.html>

Update: PG&E's 407 MW Helms Hydro Unit 2 in California Returns to Service by October 14

According to the California Independent System Operator, the unit reported a return from an unplanned outage.
<http://www.caiso.com/unitstatus/data/unitstatus200910141515.html>

Update: Duke's 222 MW Southbay Gas-fired Unit 4 in California Returns to Service by October 14

According to the California Independent System Operator, the unit reported a return from an unplanned outage.
<http://www.caiso.com/unitstatus/data/unitstatus200910141515.html>

Luminant to Shut 793 MW Martin Lake Coal-fired Unit 1 in Texas October 15-16

Luminant planned to shut the unit "to repair a leak in the number 8 heater drain pump" on October 15-16, it said in a filing with state regulators. The filing did not say when the unit would return to service.
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=130739>

AEP Shuts 528 MW Welsh Coal-fired Power Unit 3 in Texas by October 15

American Electric Power (AEP) shut the unit to "investigate and correct" a high metal temperature reading in a boiler reheat tube, it said in a filing with state regulators. The company expected the shutdown to last until October 18, according to the filing.
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=130745>

Update: Luminant to Restart 593 MW Big Brown Coal-fired Unit 1 in Texas October 15-16

Luminant planned to restart the unit from October 15-16 "following boiler tube leak repairs," it said in a filing with state regulators. The company had expected to shut the unit on October 13, according to an earlier filing.
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=130640>
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=130641>

Trillium Power Plans 710 MW Wind Power Project Offshore Ontario, Canada

Trillium Power plans to install 142, 5-MW wind turbines in Lake Ontario, offshore Canada, according to its website.
<http://www.trilliumpower.com/energy/project-wind-1/>
<http://solveclimate.com/blog/20091015/americas-offshore-wind-race-can-us-compete-canada>

US Army Plans 500 MW Solar Energy Project at Fort Irwin Military Complex in California

The U.S. Army Corps of Engineers selected ACCIONA Solar Power and the Clark Energy Group to construct a 500 MW solar power project at its Fort Irwin military complex in the Mojave Desert, California. The facility would include five sites and span 21 square miles; it would be expandable to 1,000 MW, ACCIONA said in a release. ACCIONA said the project would provide for Fort Irwin's total energy consumption by 2014.
<http://www.ad-hoc-news.de/acciona-u-s-army-selects-acciona-solar-power-to--/de/Unternehmensnachrichten/20608779>
<http://www.clarkenergygroup.com/news.aspx?a=s&id=200000139>

PJM Board Okays Yearly Grid Update Plan for Eastern United States by October 15

The PJM Interconnection Board approved \$1.4 billion in electric transmission systems additions and upgrades for its Eastern United States grid, the group said in an October 15 release. The PJM grid serves 13 eastern states and the District of Columbia. PJM reaffirmed the need for multiple transmission line projects, including the planned 500-kV, Pennsylvania-to-Virginia Trans-Allegheny Interstate Line, the 765-kV, West Virginia-to-Maryland Potomac-Appalachian Transmission Highline, the 500-kV, Pennsylvania-to-New Jersey Susquehanna to Roseland line, and the 500-kV, Virginia-to-New Jersey MidAtlantic Power Pathway Project.
<http://www.pjm.com/~media/about-pjm/newsroom/2009-releases/20091015-pjm-board-approves-annual-grid-upgrade-plan.ashx>

DJN, 11:35 October 15, 2009

Tesoro Restarts Units after Power Disruption at 100,000 b/d Wilmington, California Refinery October 14

Tesoro began restarting multiple, unspecified units after a partial power failure at its 100,000 b/d Wilmington, California refinery on October 14, a news source said.

http://www.reuters.com/article/reutersComService_3_MOLT/idUSTRE59D5XJ20091014

Power Failure Shuts 59,500 b/d Hydrocracker at Chevron's 279,000 b/d El Segundo, California Refinery October 14

A power disruption forced shut a 59,500 b/d hydrocracker at Chevron's 279,000 b/d El Segundo, California refinery on October 14, but the company said it had been planning to shut the unit for a turnaround later that evening. The electrical outage "resulted in the shutdown occurring slightly ahead of schedule and we have commenced our planned turnaround activities," a spokeswoman said.

<http://www.reuters.com/article/rbssEnergyNews/idUSN1426754920091014>

Update: Citgo to Restart Fire-Downed Alkylation Unit by October 28 at 163,000 b/d Corpus Christi, Texas Refinery—Traders

An explosion forced shut the unit on July 19, a previous news source said. Citgo delayed the restart amid safety concerns, according to the source.

<http://in.reuters.com/article/oilRpt/idINN1447817720091014>

<http://online.wsj.com/article/BT-CO-20091006-705719.html>

Delek Shuts, Restarts FCC at 58,000 b/d Tyler, Texas Refinery October 12-14

Delek restarted a gasoline-making fluidic catalytic cracking unit (FCC) at its 58,000 b/d Tyler, Texas refinery on October 14, a news source said. The unit shut on October 12-13 "due to changes in operational conditions," according to the source.

<http://www.reuters.com/article/marketsNews/idUSN1321121320091013>

<http://online.wsj.com/article/BT-CO-20091015-707683.html>

Update: Murphy Oil to Resume Normal Operations at 35,000 b/d Superior, Wisconsin Refinery October 15

Murphy Oil Corp. expected to return its 35,000 b/d Superior, Wisconsin refinery to normal rates on October 15, four days after operators shut a sulfur recovery unit (SRU) to fix a corroding exchanger, according to news sources.

Bloomberg News, 16:44 October 13, 2009

Reuters, 10:24 October 15, 2009

Shell Short on Gas and Diesel in Alberta, Canada as Maintenance Runs Longer than Planned at 100,000 b/d Scotford Refinery October 15

Shell is running short on gasoline and diesel due to a longer-than-expected maintenance shutdown at its 100,000 b/d Scotford refinery in Alberta, Canada, the company said on October 15. Canadian drivers squeezed Shell's supplies over the weekend, traveling in droves ahead of the October 12 Thanksgiving holiday. The shortage could impact western Canada—Shell typically delivers some supplies westward, via pipeline—but an analyst said other companies would likely make up for any shortfall.

DJN 12:29 October 15, 2009

Chevron to Restart O&G Production at Hurricane Ike-Destroyed, 100,000 Boe/d Eugene Island 339 Block in Gulf of Mexico

Chevron plans to reconstruct platforms and wells at its hurricane-destroyed Eugene Island 339 oil-and-gas block in the Gulf of Mexico, and restart production at the end of October 2012, it said in a regulatory filing. Chevron expects to begin work by the end of January 2010. The site had been producing approximately 100,000 boe/d, prior to Hurricane Ike in September 2008, a news source said.

<http://seekingalpha.com/article/100203-hurricane-ike-hits-tel-offshore-hard-between-the-eyes>

<http://online.wsj.com/article/BT-CO-20091006-711864.html>

<http://www.ibtimes.com/articles/20091006/chevron-rebuild-ike-destroyed-tel-offshore-site.htm>

Natural Gas

Nothing to report.

Other News

BlueFire Ethanol Fuels Plans 18 MMGal/Yr. Waste-Based Ethanol Plant in Mississippi

BlueFire Energy plans to convert green and wood wastes into 18 MMGal/Yr. of ethanol at a plant in Fulton, Mississippi, it said in a press release.

<http://www.prnewswire.com/news-releases/department-of-energy-grants-bluefire-approval-for-site-change-64353562.html>

Energy Prices

| U.S. Oil and Gas Prices | | | |
|----------------------------------------------------------------------|-------|----------|----------|
| October 15, 2009 | | | |
| | Today | Week Ago | Year Ago |
| CRUDE OIL West Texas Intermediate U.S. \$/Barrel | 77.04 | 71.75 | 75.25 |
| NATURAL GAS Henry Hub \$/Million Btu | 3.82 | 3.70 | 6.74 |

Source: Reuters

Energy Notes

Sempra Energy Plans 22 MW Auwahi Wind Energy and Battery Storage Project in Hawaii—Site Could Enter Service in 2012

MKW, 09:00 October 15, 2009

Pacific West Energy Plans 20 MW Biomass-fired Power Plant in Hawaii—Facility to Enter Service by April 2012

<http://www.honoluluadvertiser.com/article/20091015/NEWS01/910150360/Kaua+i+power+deal+forged>

SunEdison and SkyPower Corp. Open 9.1 MW First Light Solar Energy Park in Ontario, Canada October 14

<http://www.prnewswire.com/news-releases/skypower-and-sunedison-welcome-ontarios-energy-minister-and-other-dignitaries-to-official-opening-of-canadas-first-fully-operational-solar-pv-energy-park-at-first-light-in-stone-mills-ontario-64261587.html>

Coskata to Open Pilot Biofuel Production Facility in Pennsylvania—Company Expects to Produce Waste-Based Biofuels for \$1 a Gallon

http://www.nytimes.com/2009/10/15/business/energy-environment/15biofuel.html?_r=2&scp=1&sq=%2Btechnology+%2Bengineering&st=nyt

EDF EN Canada Holds Formal Dedication at 23.4 MW Direct Current Arnprior Solar Project in Ontario, Canada October 15

<http://www.prnewswire.com/news-releases/ontario-minister-of-energy-dedicates-canadas-largest-solar-pv-project-64357137.html>

Otoka Energy Corp. Plans 25 MW Wood Waste-to-Synthetic Gas Power Plant in Alberta, Canada

<http://www.calgaryherald.com/technology/story.html?id=2103227>

Innoventé Eyes 2011 Start-Date for Planned 50,000 Ton/Year Waste-Based Biosolids Plant in Quebec, Canada—Company Also Plans to Construct Associated 5 MW Cogeneration Power Plant

<http://www.cleantech.com/news/5151/canadian-startup-puts-shoc-spin-was>

Smith Mountain Solutions Plans to Fill Former Surface Mine with Dry Ash from TVA's Kingston Coal-fired Power Plant in Tennessee

<http://solveclimate.com/blog/20091015/tvas-coal-ash-dumping-plan-sparks-health-concerns>

Oilsands Quest Says Axe Lake Area in Saskatchewan, Canada, Raven Ridge Area in Alberta and Eagles Nest Area in Alberta Hold Combined Best Resource Estimates of about 3.3 Billion Barrels of Bitumen

<http://www.prnewswire.com/news-releases/oilsands-quest-provides-bitumen-resource-estimate-update-and-results-of-annual-meeting-64347597.html>

U.S. Navy Plans to Derive Half of its Energy from Alternative Sources by 2020

http://www.navytimes.com/news/2009/10/navy_energy_efficiency_101409w/

Colombia Expects to Increase Oil Production from 588,000 b/d in 2008 to nearly 700,000 b/d in 2009—Official Says Nation Could Boost Production Beyond 800,000 b/d in 2010

http://www.rigzone.com/news/article.asp?a_id=81419

British Columbian Natural Gas Production Could Rise from 3 Bcf/d to 5Bcf/d on New Shale Plays—Industry Executives

<http://intelligencepress.com/>

Update: Russia-to-Europe Oil Deliveries Resume along Druzhba Pipeline after Ukrainian Power Outage October 14

<http://www.reuters.com/article/ELECTU/idUSLF22562420091015>

OECD-Nations Increase Oil Product Stocks by 20 Million Barrels and Crude Stocks by 9 Million Barrels in September 2009—Energy Intelligence Briefing

<http://www.energyintel.com/#latest>

Total Starts Production at Planned 6.7 Million Ton/Year Yemen LNG Plant—North America not expected to Receive Bulk of Supplies

<http://online.wsj.com/article/BT-CO-20091015-709907.html>

<http://www.energyintel.com/#latest>

Compressor Shutdown at Cedar Lake Booster Station in Texas October 15

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=130769>

Links

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

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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