



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

ENERGY ASSURANCE DAILY

Friday Evening, February 25, 2011

Major Developments

Winds, Rain Knock Out Power to Almost 400,000 Customers across U.S. Southeast/Mid-Atlantic February 24-25

Winds and rain blasted the U.S. Southeast and U.S. Mid-Atlantic on February 24-25, knocking out power to an estimated 397,000 customers across multiple states, news and company sources reported. The following table lists peak and current outage figures, based on latest available data.

| U.S. Southeast and Mid-Atlantic Customer Power Outages February 24 – 25, 2011 | | | |
|----------------------------------------------------------------------------------|----------|----------------|-----------------|
| Electric Utility | State | Peak | Latest Reported |
| BGE | MD | 84,672 | 59,331 |
| Pepco | MD/DC | 45,663 | 41,170 |
| Delmarva | MD/DE | 18,940 | 18,940 |
| Allegheny Power | MD/WV | 6,178 | 6,118 |
| Dominion Virginia Power | VA | 68,513 | 68,513 |
| Appalachian Power | VA/WV/TN | 24,000 | 13,382 |
| NOVEC | VA | 1,608 | 991 |
| Nashville Electric Service | TN | 32,540 | 2,720 |
| Middle Tennessee Electric | TN | 15,371 | 4,774 |
| Knoxville Utilities Board | TN | 9,000 | 519 |
| Johnson City Power Board | TN | 5,400 | 0 |
| Jackson Energy Authority | TN | 1,500 | 500* |
| Alabama Power | AL | 30,000 | 6,500 |
| Huntsville Utilities | AL | 10,000 | 0 |
| Entergy | AR | 27,000 | 1,290 |
| SWEPSCO | AR/TX/LA | 10,000 | 0 |
| Entergy | LA | 6,700 | 401 |
| TOTAL * | | 397,085 | 224,649 |

*Estimate based on description in news source

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

Sources:

BGE: <http://www.bge.com/portal/site/bge/menuitem.42d31413f80c584606370f10d66166a0/>

Pepco: <http://www.pepco.com/home/emergency/maps/stormcenter/>

Delmarva: <http://www.delmarva.com/home/emergency/maps/stormcenter/default.aspx>

Allegheny Power: http://app.alleghenyenergy.com/outagestatus/OMS_Customer_State.aspx?Option=State&User=

Dominion Virginia Power: <http://www.dom.com/storm-center/dominion-electric-outage-summary.jsp>

Appalachian Power: <https://www.appalachianpower.com/outages/> ,
<http://www2.wsls.com/news/2011/feb/25/14/high-winds-causing-widespread-power-outages-ar-867632/>

NOVEC: <http://www.novec.com/customcf/novecmap/summarynew.cfm> ,
<http://www2.insidenova.com/news/2011/feb/25/afternoon-storms-could-spawn-tornadoes-ar-867921/>

Nashville Electric Service: <http://www.tennessean.com/article/20110225/NEWS01/102250370/Middle-Tenn-storms-cut-power-thousands-down-trees?odyssey=tab|topnews|text|FRONTPAGE> ,
<http://www.nespower.com/OutageMap/>

Middle Tennessee Electric: <http://www.mtemc.com/status/status.cfm>

Knoxville Utilities Board: http://www.kgis.org/website/kub_outage/mainpage.htm ,
<http://www.knoxnews.com/news/2011/feb/25/storms-leave-debris-darkness-wake-high-winds-expec/>

Johnson City Power Board: <http://www2.tricities.com/news/2011/feb/25/strong-winds-removes-steeple-leaves-jc-residents-w-ar-867637/>
Jackson Energy Authority: <http://www.jacksonsun.com/article/20110225/NEWS01/110225006/Storm+damage+reports+trees+and+power+line+s+down+>
Alabama Power: http://blog.al.com/spotnews/2011/02/storms_leave_thousands_in_the_1.html
Huntsville Utilities: <http://twitter.com/HSVUtilities> ,
http://www.whnt.com/news/huntsvilleandmadisoncounty/whnt-storms-topple-trees-power-lines-leave-scattered-damage-20110225_0,1565096.story
Entergy (Arkansas): <http://viewoutage.entergy.com/ar.aspx> ,
<http://www.npr.org/templates/story/story.php?storyId=134045567>
SWEPCO: <http://www.aepcustomer.com/outagemap/main.aspx?region=swepeco> ,
<http://www.ksla.com/Global/story.asp?S=14138077>
Entergy: <http://viewoutage.entergy.com/la.aspx> ,
<http://www.thenewsstar.com/article/20110225/NEWS01/102250316>

Most Ports Offline as Unrest Forces Shut up to 1 Million b/d of Oil Production in Libya February 24-25

Unrest forced shut between 500,000 b/d and 1 million b/d of oil production in Libya by February 24, and the nation's ports were mostly offline by February 25, according to analyst estimates and industry sources. Libya typically produces approximately 1.6 million b/d of oil. At least one major Libyan oilfield – Amal – remained in production, according to a field official. Rebels had taken control of multiple oil and oil product terminals by February 24, locals said. Shipping sources, meanwhile, said today that the turmoil had stalled at least five tankers, or about 3 million barrels of oil. "You can't get into those ports. There is zero communication," according to one industry source. "We've heard reports of vessels turning around." Refiners, for their part, were turning elsewhere for crude supplies: companies were looking to purchase crude from ports in West Africa and Ceyhan, Turkey, according to a Teekay Tankers official. Eni, Total, OMV, and Repsol had all halted or curtailed oil production, as of latest reports. Sources said Eni was likely to reduce its output further and could be forced to completely stop production. President Obama, separately, said oil reserves and excess capacity in other oil-producing nations would give the United States the ability "to ride out the Libya situation."

<http://www.bloomberg.com/news/2011-02-24/eni-said-likely-to-reduce-its-libyan-output-further-as-storage-tanks-fill.html>

<http://www.moneynews.com/Markets/Libyan-Residents-Big-Oil/2011/02/24/id/387299>

<http://www.reuters.com/article/2011/02/25/us-libya-oil-ports-idUSTRE71O3HU20110225>

<http://online.wsj.com/article/SB10001424052748704150604576166151765229870.html>

<http://www.bloomberg.com/news/2011-02-25/u-s-can-ride-out-libyan-oil-supply-disruption-with-reserves-obama-says.html>

Reuters, 05:47 February 25, 2011

Saudi Arabia Boosts Oil Production by about 700,000 b/d from End of 2010: Oil Daily

Saudi Arabia is producing more than 9 million b/d of crude oil, Oil Daily said on February 25. That increase would compensate for a significant portion of Libya's lost output.

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

Electricity

Storms Knock Out Power to about 35,000 PG&E Customers in California February 25

<http://www.news10.net/news/story.aspx?storyid=124904&catid=2>

<http://www.kcra.com/r/26997302/detail.html>

Update: Entergy Restarts 979 MW Indian Point Nuclear Unit 3 in New York by February 25

A leak along the unit's service water piping led to a technical specification that forced Entergy to begin shutting the unit on February 22, the company said previously in a filing with the Nuclear Regulatory Commission (NRC). The unit ramped up to 2 percent power by this morning, according to the NRC.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110223en.html>

Information also derived from the NRC Power Reactor Status Reports:

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

Provincial Government Authorizes Plans for More than 872 MW of Renewable Power Facilities in Ontario, Canada by February 24

The Ontario Power Authority (OPA) approved 40 renewable energy projects through the province's clean energy Feed-In Tariff program, the government said yesterday. The projects represent more than 872 MW of proposed power production. They include: four wind projects totaling 615 MW, 35 solar projects totaling 257 MW, and one 500 KW water project.

<http://www.news.ontario.ca/mei/en/2011/02/forty-new-clean-energy-projects-to-create-7000-jobs.html>

NRC Renews Operating License for Dominion's 574 MW Kewaunee Nuclear Power Plant in Wisconsin February 24

The Nuclear Regulatory Commission (NRC) renewed the facility's operating license for an additional 20 years. The renewed license is set to expire on December 21, 2033.

http://adamswebsearch2.nrc.gov/idmws/DocContent.dll?library=PU_ADAMS^pbntad01&LogonID=07dfd17301e1efdc6e68d9e2eabe0bd&id=110550256

<http://dom.mediaroom.com/index.php?s=43&item=965>

Petroleum

Update: Power Failure Knocks Offline Multiple Units at Imperial Oil's 121,000 b/d Sarnia, Ontario Refinery February 24

A power failure forced shut multiple operational units and led to a chemical release that burned at least one worker at Imperial Oil's 121,000 b/d Sarnia, Ontario refinery on February 24, news and company sources reported. The power outage occurred at about 10 AM local time. The company was working to restart the affected units within less than two hours.

<http://www.bloomberg.com/news/2011-02-24/imperial-reports-power-failure-at-sarnia-ontario-refinery-2-.html>

<http://www.torontosun.com/news/canada/2011/02/24/17393171.html>

<http://www.lfpress.com/news/london/2011/02/24/17391606.html>

Reuters, 12:53 February 24, 2011

OPEC Oil Exports to Dip on Reduced Demand in Four Weeks to March 12: Oil Movements

The Organization of Petroleum Exporting Countries (OPEC) will load 23.88 million b/d of crude in the four weeks ending on March 12, compared to 24.19 million b/d in the four weeks to February 12, Oil Movements said on February 24. The total does not include Angola and Ecuador. Oil Movements blamed the decline on reduced demand and refinery maintenance. It referred to the reduction as "quite normal" for the time of year.

<http://www.bloomberg.com/news/2011-02-24/opec-to-cut-exports-on-declining-fuel-demand-oil-movements-says.html>

Natural Gas

Update: CPUC Considers Penalizing PG&E over Recordkeeping ahead of Fatal September Explosion along Natural Gas Pipeline in San Bruno, California

The California Public Utilities Commission (CPUC) is considering whether Pacific Gas and Electric Company's (PG&E) gas transmission pipeline recordkeeping was unsafe, whether it violated the law, and if so whether deficient PG&E recordkeeping caused or contributed to the pipeline rupture in San Bruno, California on September 9, 2010, CPUC said on February 24. The move follows a conclusion from the National Transportation Safety Board (NTSB) that PG&E incorrectly identified the San Bruno pipe as seamless, when in fact the pipe was seamed and welded.

Separately on February 24, CPUC said it planned to use the lessons of the San Bruno disaster to help set new rules for the operation of natural gas pipelines in California. CPUC plans to develop and adopt safety-related changes to its regulation of pipelines, consider ways it can undertake a comprehensive risk assessment for all pipelines under its jurisdiction, and numerous other measures.

http://docs.cpuc.ca.gov/published/News_release/131225.htm

http://docs.cpuc.ca.gov/published/News_release/131222.htm

MarkWest Energy Plans 60 MMcf/d Expansion at Existing 160 MMcf/d Arapaho Natural Gas Processing Complex in Oklahoma

The expansion would serve producers in the Granite Wash. MarkWest Energy Partners, L.P. expects to complete the project in the third quarter of 2011.

<http://www.markwest.com/files/MWE/MWE%20Announces%20Arapaho%20Expansion%20FINAL.pdf>

Update: El Paso to Open 1.5 Bcf/d, 42-Inch, Wyoming-to-Oregon Ruby Natural Gas Pipeline in July 2011 – Company Had Expected to Open Project in June 2011

Citing weather, the timing of regulatory approvals, and wildlife issues, El Paso Corporation said yesterday that it expected to open the 680-mile Ruby natural gas pipeline in July 2011, or about one month later than previously planned. The company plans to halt constructions in certain parts of western Nevada from March 1 to May 15 to avoid interference with the sage grouse.

<http://www.bloomberg.com/news/2011-02-24/el-paso-boosts-ruby-pipeline-cost-estimates-delays-start-1-.html>

<http://investor.elpaso.com/phoenix.zhtml?c=97166&p=irol-newsArticle&ID=1532467&highlight=>

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

Other News

Nothing to report.

Energy Prices

| U.S. Oil and Gas Prices | | | |
|----------------------------------------------------------------------|-------|----------|----------|
| February 25, 2011 | | | |
| | Today | Week Ago | Year Ago |
| CRUDE OIL West Texas Intermediate U.S. \$/Barrel | 96.41 | 85.77 | 77.45 |
| NATURAL GAS Henry Hub \$/Million Btu | 3.81 | 3.90 | 4.91 |

Source: Reuters

Energy Notes

Storm Knocks Out Power to 15,000 PG&E Customers in California February 25

<http://www.kcra.com/r/26997302/detail.html>

PG&E Plans Three Solar Power Facilities, Combined 50 MW of Capacity, in Central Valley, California – Company to Break Ground This Month, “Substantially Complete” Projects in Third Quarter 2011

<http://www.bloomberg.com/news/2011-02-24/pg-e-purchases-three-sites-to-build-solar-energy-projects-in-california.html?cmpid=yahoo>

Update: County Board Rejects SCE&G’s Bid to Construct Coal Ash Facility in Colleton County, South Carolina February 24

<http://www.abcnews4.com/Global/story.asp?S=14136615>

Deregulated Electric Market Has Led to Higher Power Prices in Texas, Costing Texas Electricity Customers an Extra \$15.5 Billion: Texas Coalition for Affordable Power

<http://pdf.reuters.com/htmlnews/8knews.asp?i=43059c3bf0e37541&u=urn:newsml:reuters.com:20110225:nBw255030a>

Petrobras Producing 23,300 b/d of Oil in Extended Well Test at Marlim Leste Field Offshore Brazil by February 25

http://www.rigzone.com/news/article.asp?a_id=104515

Chariot Oil & Gas Limited Says its License Offshore Namibia Contains 2.631 Billion Barrels of Gross Unrisked Mean Prospective Resources

<http://www.chariotoilandgas.com/further-resource-update.aspx>

Pennsylvania Governor Eliminates Policy that Had Required State Environmental Regulators to Review Applications to Drill for Natural Gas in State Parks and Forests, Even in Cases Where State Did Not Own Resources below the Ground February 19 – Gubernatorial Administration Refers to Policy as “Redundant”

<http://www.bloomberg.com/news/2011-02-22/pa-gov-scales-back-drilling-policy-on-public-land.html>

Shortfall of Oil-and-Gas Inspectors Could Create Backlog of Drilling Permit Requests in West Virginia: State Department of Environmental Protection

http://www.rigzone.com/news/article.asp?a_id=104492

Compressor Shuts, Restarts at Goldsmith Gas Plant in Texas February 24

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=151180>

Enterprise Products to Isolate Segment for Repairs along Eagle Ford Natural Gas Pipeline in Texas February 25

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=151178>

Pressure Issue Forces Shut Seminole Booster Station in Texas February 24 – Engine Restarted in Less than Three Hours

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=151187>

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.

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

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