



# ENERGY ASSURANCE DAILY

Monday Evening, March 28, 2011

## ***Electricity***

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### **Transmission-Level Outage Cuts Power to 165,000 PG&E Customers in California March 27**

According to a company representative, a transmission-level outage cut power to about 165,000 customers throughout the North Bay and Central Coast in California the afternoon of March 27. The cause of the outage is under investigation. More than two-thirds of the affected customers had their power restored within two hours. As of March 28, PG&E reported only scattered outages that totaled to no more than a few thousand customers.

<http://www.ktvu.com/news/27338894/detail.html>

<http://www.thecalifornian.com/article/20110327/NEWS01/110327001/PG-E-Outage-cuts-power-165-000-Monterey-County-Bay-Area-customers?odyssey=nav/head>

<http://www.pge.com/myhome/customerservice/energystatus/outagemap/>

### **Peak of 80,808 SDG&E Customers Lose Power on March 25**

According to the company, power has since been restored to all customers.

<http://outages.sdge.com/publicOutageWeb/servlet/OutageList>

### **Constellation's 835 MW Calvert Cliffs Nuclear Unit 2 in Maryland Reduced to 65 Percent by March 26, Ramped Up to 98 Percent by March 28**

The Nuclear Regulatory Commission reported that on the morning of March 25 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/>

### **Exelon's 1,134 MW Limerick Nuclear Unit 1 in Pennsylvania Reduced to 54 Percent by March 26, Ramped Up to 92 Percent by March 28**

The Nuclear Regulatory Commission reported that on the morning of March 25 the unit was operating at 94 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **Exelon's 1,093 MW Peach Bottom Nuclear Unit 3 in Pennsylvania Reduced to 82 Percent by March 26, at Full Power by March 27**

The Nuclear Regulatory Commission reported that on the morning of March 25 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/>

### **TVA's 1,125 MW Watts Bar Nuclear Unit 1 in Tennessee Ramped Up to 94 Percent by March 28**

The Nuclear Regulatory Commission reported that on the morning of March 27 the unit was operating at 85 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **Exelon's 1,111 MW La Salle Nuclear Unit 1 in Illinois Reduced to 80 Percent by March 27, at Full Power by March 28**

The Nuclear Regulatory Commission reported that on the morning of March 26 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/>

### **Entergy's 858 MW Arkansas Nuclear Unit 2 in Arkansas Ramped Up to 80 Percent by March 28**

The Nuclear Regulatory Commission reported that on the morning of March 25 the unit was not operating. Information derived from the NRC Power Reactor Status Reports:

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

### **Dominion's 511 MW Kewaunee Nuclear Unit in Wisconsin Ramped Up to 29 Percent by March 27**

The Nuclear Regulatory Commission reported that on the morning of March 26 the unit was not operating. Information derived from the NRC Power Reactor Status Reports:

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

### **APS's 1,243 MW Palo Verde Nuclear Unit 1 in Arizona at Full Power by March 27**

The Nuclear Regulatory Commission reported that on the morning of March 26 the unit was operating at 59 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **Entergy's 813 MW FitzPatrick Nuclear Unit in New York at Full Power by March 26**

The Nuclear Regulatory Commission reported that on the morning of March 25 the unit was operating at 86 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **PG&E's 1,087 MW Diablo Canyon Nuclear Unit 2 in California Shut March 26**

There was a manual reactor trip at the unit in response to the loss of the "2-1 main feedwater pump" on March 26, the company said in a filing with the Nuclear Regulatory Commission (NRC). The NRC reported that on the morning of March 26 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110328en.html>

Information also derived from the NRC Power Reactor Status Reports:

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

### **PG&E's 404 MW Helms Hydro Unit 3 in California Shut by March 27**

According to the California Independent System Operator, the unit reported an unplanned outage on March 27.

<http://www.caiso.com/unitstatus/data/unitstatus201103271515.html>

### **OPG's 881 MW Darlington Nuclear Unit 1 in Ontario Shut March 25**

Reuters, 20:29 March 25, 2011

### **Thermal Power Level Exceeds Limit at Xcel's Prairie Island Nuclear Unit in Minnesota March 25**

According to a filing with the Nuclear Regulatory Commission (NRC), the Thermal Power Monitor (TPM) indication exceeded the maximum thermal power assumed in the Safety Analysis Report. The incident occurred while operators performed maintenance on the B feed water regulating bypass valve. Operators took steps to reduce power below 100 percent "by reducing 1st stage turbine pressure and inserting Bank D control rods 7 steps."

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110328en.html>

### **Southern's Proposed Vogtle Nuclear Expansion in Georgia Receives Environmental Approval from NRC**

The Nuclear Regulatory Commission (NRC) completed a review of Southern Company's two proposed Vogtle nuclear reactors near Augusta, Georgia, finding that the project does not pose risks to the environment. The NRC still must complete a safety report on the project and finish a final review of the proposed reactor design.

[http://online.wsj.com/article/SB10001424052748704517404576222673719088068.html?ru=yahoo&mod=yahoo\\_hs](http://online.wsj.com/article/SB10001424052748704517404576222673719088068.html?ru=yahoo&mod=yahoo_hs)

### **Minnesota Power Plans 105 MW Bison 2 Wind Project in North Dakota**

The proposed project, which would open in 2012, would consist of 35 wind turbines.

[http://www.mnpower.com/news/articles/2011/MP\\_new\\_wind\\_development.3.25.11.pdf](http://www.mnpower.com/news/articles/2011/MP_new_wind_development.3.25.11.pdf)

## **TransAlta Announces Plans for 66 MW New Richmond Wind Project in Quebec March 28**

Commercial operations would begin in the fourth quarter of 2012. The project is contracted under a 20-year Power Purchasing Agreement with Hydro-Québec Distribution.

<http://www.transalta.com/newsroom/news-releases/2011-03-28/transalta-expands-development-quebec-66-mw-new-richmond-wind-proje>

## **Petroleum**

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### **SRU Trip Leads to Flaring at Valero's 144,000 b/d Benicia, California Refinery March 28**

According to a company representative, the sulfur recovery unit (SRU) trip caused no material impact on production.

Reuters, 10:57 March 28, 2011

### **Update: Libyan Rebels in Control of Key Oil Terminal Towns by March 28, Including Es Sider, Ras Lanuf, Brega, Zueitina, and Tobruk**

A rebel official has stated that rebel-controlled east Libyan oil fields are producing 100,000 to 130,000 b/d.

Reuters, 06:53 March 28, 2011

<http://www.bloomberg.com/news/2011-03-28/mideast-daybook-libyan-ports-captured-egypt-shares-rally.html>

### **Update: UAE, Saudi Arabia, Kuwait, and Angola Step Up Oil Exports to Replace Lost Libyan Supply by March 28**

<http://www.forexpros.com/news/forex-news/update-1-uae-says-steps-in-to-fill-libya-oil-supply-gap-203841>

### **First Phase of Tests Complete on Enbridge's New 30-Inch Oil Pipeline in Michigan and Ontario**

The new stretch of pipeline runs beneath the St. Clair River from Michigan to Ontario, replacing an older section. It is set to begin transporting oil this summer. It will connect to an existing pipeline which runs from Griffith, Indiana to Sarnia, Ontario.

<http://www.google.com/hostednews/canadianpress/article/ALeqM5i4RaOxHeMLNTHL8IeXjTbpF4rIqA?docId=6377369>

### **ExxonMobil and South Oil Company Announce West Qurna I Oil Field in Southern Iraq Reaches 285,000 b/d**

Operators exceeded their ten percent improved production target by increasing production to 285,000 b/d. The field originally produced 244,000 b/d. Shell West Qurna B.V. and Oil Exploration Company of Iraq are co-venturers of ExxonMobil and South Oil Company at West Qurna.

[http://www.rigzone.com/news/article.asp?a\\_id=105517](http://www.rigzone.com/news/article.asp?a_id=105517)

## **Natural Gas**

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### **Gas Service Cut to 1,200 Customers Due to Leak at Xcel's 12-Inch Gas Line in St. Paul, Minnesota March 24**

A cap came off of a main gas line during maintenance operations causing a leak for two hours. The leak prompted evacuations and street shutdowns.

<http://www.kare11.com/news/article/915890/396/Gas-leak-plugged-University-Avenue-reopens-in-St-Paul->

## **Other News**

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### **Gevo Plans to Convert Ethanol Plant in Luverne, Minnesota to Produce Isobutanol**

The plant is currently one of Minnesota's 21 ethanol plants. Isobutanol is mostly used for industrial purposes.

<http://minnesota.publicradio.org/display/web/2011/03/28/gevo-ethanol-isobutanol/>

## **Update: Tokyo Electric Power Detects Potentially Fatal Radiation Levels in Water outside its Fukushima Daiichi Reactor 2**

According to Japan's chief government spokesman, a partial meltdown of the fuel rods in reactor 2 is likely to blame for the heightened radiation. There is evidence that water has leaked out of the reactor's containment vessel, and radioactive water is reported to be flooding the basements of reactors 1, 2, and 3. Two of the six reactors at the plant are considered stable, while the other four are considered volatile.

<http://www.bloomberg.com/news/2011-03-28/hazardous-radiation-levels-stall-efforts-to-cool-reactors-prevent-leaks.html>

Reuters, 04:32 March 28, 2011

## **Update: 617,500 b/d of Refinery Capacity Still Offline in Japan, About 13 Percent of the Country's 4.62 MMb/d Total Capacity**

Reuters, 03:33 March 28, 2011

## **Energy Prices**

<b>U.S. Oil and Gas Prices</b> March 28, 2011			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	104.01	102.12	79.81
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.13	3.98	4.01

Source: Reuters

## **Energy Notes**

### **Tennessee Gas Pipeline Declares Force Majeure for Section of its Pipeline in Agua Dulce, Texas Due to Possible Damage from a Third Party Accident March 28**

<http://tebb.epenergy.com/ebbmastertpage/Notices/NoticesAutoTable.aspx?code=TGP&name=Tennessee%20Gas%20Pipeline%20Company%20-%20Notice%20Text&status=Notice&sParam1=TGP&sParam2=D&sParam4=137162&sParam9=D&details=Y>

### **Xcel Energy Reports 10,821 Customers without Power in Colorado March 28**

<http://www.xcelenergy.com/OutageMap/OutageMap.html?juris=PSCo>

### **DTE Plans to Install 12 MW of Photovoltaic Solar Panels throughout its Service Area in Michigan by 2014**

<http://finance.yahoo.com/news/DTE-Energy-Seeks-PV-zacks-484596823.html?x=0&.v=1>

### **Tucson Electric Power Plans "Bright Roofs" Roof-Top Solar Arrays Totaling 11 MW in Arizona Over Next Three Years**

<http://www.tucsonelectric.com/Company/News/PressReleases/ReleaseTemplate.asp?idRec=334>  
<http://www.prnewswire.com/news-releases/tucson-electric-power-orders-11-megawatts-of-sunpower-solar-technology-for-rooftop-installations-118763289.html>

### **Southern Pacific Resource Begins Bitumen Drilling at First SAGD Well Pair at STP-McKay Thermal Project near Fort McMurray, Alberta**

<http://www.istockanalyst.com/business/news/5012546/southern-pacific-resource-commences-drilling-on-sagd-in-alberta#>

**Pirates Hijack Kuwaiti-Owned MV Zirku Crude Tanker Offshore Oman in the Gulf of Aden March 28 – Ship Was En Route from Singapore to Sudan**

<http://af.reuters.com/article/sudanNews/idAFLDE72R1XO20110328>

**No Material Impact on Production after Operators Report Amine Emission at Fuel Gas Scrubber at Valero's 287,000 b/d Port Arthur, Texas Refinery**

Reuters, 11:02 March 28, 2011

**Update: FERC Approves Remainder of Florida Gas Transmission's Proposed 820,000 MMBtu/d, 483-Mile Phase VIII Natural Gas Pipeline Project in Florida, Mississippi, and Alabama March 24**

<http://www.panhandleenergy.com/phaseviii.asp>

**Emissions Event Reported at Valero's Port Arthur Refinery in Texas March 26-27**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=152476>

**Targa Plant Shut In, Preventing Receipt of Gas from Upstream Facilities in Texas March 26-28**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=152470>

**Welch CO2 Gas Processing Facility Shuts Due to Power Failure in Texas March 25-26**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=152468>

**Automobile Accident at Substation Knocks Out Power at DCP Port Arthur Plant, Leading to Pressure Relief Venting at Winnie No. 1 Compressor Station for One Hour in Texas March 25**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=152450>

## 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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