



# ENERGY ASSURANCE DAILY

Monday Evening, May 02, 2011

## Electricity

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### **Update: After Deadly Storms, about 200,000 Customers Remain without Power in Alabama and Tennessee May 2**

Some 152,000 customers from power companies that purchase electricity from the Tennessee Valley Authority (TVA), 27,000 Alabama Power customers in Alabama, and 19,000 EPB customers in Tennessee remained without power on May 2, after storms and tornadoes killed hundreds and knocked out electricity to more than 2 million customers across several states, multiple news, official, and company sources reported. TVA said earlier that it had restored 120 connections – out of 128 impacted – between it and local power companies and directly served customers. To see a full list of affected utilities, please see last Friday's Energy Assurance Daily. For latest updates on the storm, please see the latest Situation Report from the Office of Electricity Delivery & Energy Reliability (first link below).

[http://www.oe.netl.doe.gov/named\\_event.aspx?ID=34](http://www.oe.netl.doe.gov/named_event.aspx?ID=34)

<http://www.tva.com/news/releases/aprjun11/storm.htm>

<http://twitter.com/#!/alabamapower>

<http://chattanoogapulse.com/newsfeatures/breaking-news/epb-says-24000-homes-businesses-without-power/>

### **Update: After Storms, Hydro One and Hydro Ottawa Restore Power to More than 200,000 Customers in Ontario, Canada by May 2**

Storms knocked out power to 175,000 Hydro One customers and 46,000 Hydro Ottawa customers on April 28, but only 2,560 Hydro One customers remained without electricity, as of May 2. Hydro Ottawa restored power to all of its affected customers by the end of the weekend.

[https://www.hydroottawa.com/newsevents/news\\_display.cfm?LANG=e&act=form&News\\_ID=207](https://www.hydroottawa.com/newsevents/news_display.cfm?LANG=e&act=form&News_ID=207)

[http://www.hydroone.com/OurCompany/MediaCentre/Documents/NewsReleases2011/04\\_30\\_2011\\_Wind\\_Storm\\_1pm.pdf](http://www.hydroone.com/OurCompany/MediaCentre/Documents/NewsReleases2011/04_30_2011_Wind_Storm_1pm.pdf)

<http://www.hydroone.com/stormcenter/>

### **Blizzard Knocks Out Power to More than 30,000 Customers in North Dakota and Eastern Montana, Cutting Electricity to Most Oil Wells in Part of Bakken Oil Patch April 30**

A blizzard knocked out power to more than 30,000 customers – including about 16,000 Montana-Dakota Utilities customers, 10,000 Mountrail-Williams Electric Cooperative customers, and 4,000 Lower Yellowstone Rural Electric Association customers – in North Dakota and Eastern Montana on April 29, cutting electricity to and forcing offline most oil wells in the region, multiple news and official sources reported. The storm included snow, ice, and heavy winds; it damaged more than 100 electric transmission poles and other infrastructure, according to Montana-Dakota Utilities. At least 10,000 Montana-Dakota Utilities and 6,500 Mountrail-Williams Electric Cooperative customers remained without power, as of latest reports. It was not clear when the oil wells were expected to resume normal production.

[http://billingsgazette.com/news/state-and-regional/montana/article\\_a497c0ee-02ed-5551-951b-8df3cd21f4be.html](http://billingsgazette.com/news/state-and-regional/montana/article_a497c0ee-02ed-5551-951b-8df3cd21f4be.html)

<http://www.minotdailynews.com/page/content.detail/id/554297/Power-outages-continue-in-N-D-.html?nav=5010>

[http://www.bismarcktribune.com/news/local/article\\_9bd06054-7442-11e0-aac8-001cc4c002e0.html](http://www.bismarcktribune.com/news/local/article_9bd06054-7442-11e0-aac8-001cc4c002e0.html)

[http://www.bismarcktribune.com/news/local/article\\_6e7721c6-73aa-11e0-ba4a-001cc4c03286.html](http://www.bismarcktribune.com/news/local/article_6e7721c6-73aa-11e0-ba4a-001cc4c03286.html)

<http://www.grandforksherald.com/event/apArticle/id/D9MV9G4G0/>

<http://www.montana-dakota.com/Pages/Overview.aspx>

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

### **Winds Knock Out Power to More than 30,000 SCE Customers in California April 30**

Winds prompted numerous small brush fires and knocked out power to more than 30,000 Southern California Edison (SCE) customers on April 30. It was not clear, based on news sources, how many customers remained without power, as of latest reports.

<http://goerie.com/apps/pbcs.dll/article?AID=/20110501/APN/1105010557>

### **Update: Calpine's 751 MW Pastoria Gas-Fired Unit in California Ramps up by May 1**

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment of 511 MW.

<http://www.caiso.com/unitstatus/data/unitstatus201105011515.html>

### **San Diego Gas & Electric's 566 MW Palomar Gas-Fired Unit in California Reduced, Ramped up by April 29-30**

According to the California Independent System Operator, the unit reported an unplanned curtailment of 291 MW by April 29, but returned from that curtailment by April 30.

<http://www.caiso.com/unitstatus/data/unitstatus201104301515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201104291515.html>

### **Reliant's 245 MW Coolwater Gas-Fired Unit 3 in California Shut, Restarted by April 30-May 1**

According to the California Independent System Operator, the unit reported an unplanned outage by April 30, but returned from that outage by May 1.

<http://www.caiso.com/unitstatus/data/unitstatus201104301515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201105011515.html>

### **AES's 226 MW Huntington Beach Gas-Fired Unit 2 in California Shut, Restarted by April 29-30**

According to the California Independent System Operator, the unit reported an unplanned outage by April 29, but returned from that outage by April 30.

<http://www.caiso.com/unitstatus/data/unitstatus201104301515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201104291515.html>

### **AES's 225 MW Huntington Beach Gas-Fired Unit 3 in California Returns to Service by April 29**

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

<http://www.caiso.com/unitstatus/data/unitstatus201104291515.html>

### **Update: Martinez Refining Co.'s 100 MW Shell Oil Refinery Gas-Fired Unit in California Returns to Service by April 30**

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

<http://www.caiso.com/unitstatus/data/unitstatus201104301515.html>

### **Update: PSE&G's 1,096 MW Salem Nuclear Unit 1 in New Jersey Reduced to 8 Percent by May 2**

PSE&G shut the unit on April 21 “due to a loss of circulating water pumps from heavy grassing at the circulating water intake,” it said in an earlier filing with the Nuclear Regulatory Commission (NRC). The company returned the unit to 63 percent power by early on April 24, but shut the unit later that day due to “grassing,” according to the NRC and a company spokesman. Operators returned the unit to 96 percent power by April 30, but reduced it again to 8 percent power by May 2. It was not clear if the latest reduction was related to the previous disruptions. The Nuclear Regulatory Commission reported that on the morning of May 1 the unit was operating at 96 percent.

[http://www.nj.com/salem/index.ssf/2011/04/salem\\_1\\_reactor\\_taken\\_offline.html](http://www.nj.com/salem/index.ssf/2011/04/salem_1_reactor_taken_offline.html)

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110422en.html>

Information also 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, Ramped up over Weekend**

The unit ramped down from full power on the morning of April 29 to 62 percent power by April 30, according to the Nuclear Regulatory Commission (NRC). The unit ramped up to 90 percent power by May 1 and was operating at 89 percent power this morning, the NRC reported.

Information derived from the NRC Power Reactor Status Reports:

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

### **DTE's 1,089 MW Fermi Nuclear Unit 2 in Michigan Reduced, Ramped up over Weekend**

The unit ramped down from full power on the morning of April 30 to 70 percent power by May 1, according to the Nuclear Regulatory Commission (NRC). The unit returned to full power by this morning, the NRC reported.

Information derived from the NRC Power Reactor Status Reports:

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

### **Progress Energy's 900 MW Harris Nuclear Unit 1 in North Carolina Reduced, Ramped up over Weekend**

The unit ramped down from full power on the morning of April 30 to 83 percent power by May 1, according to the Nuclear Regulatory Commission (NRC). The unit returned to full power by this morning, the NRC reported.

Information derived from the NRC Power Reactor Status Reports:

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

### **Southern's 830 MW Farley Nuclear Unit 1 in Alabama Reduced, Ramped up over Weekend**

The unit ramped down from full power on the morning of April 29 to 60 percent power by April 30, according to the Nuclear Regulatory Commission (NRC). The unit returned to full power by May 1, the NRC reported.

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 Reduced, Ramped up over Weekend**

The unit ramped down from full power on the morning of April 29 to 75 percent power by April 30 and 55 percent power by May 1, the Nuclear Regulatory Commission (NRC) reported. The unit returned to full power by the morning of May 2, according to the NRC.

Information derived from the NRC Power Reactor Status Reports:

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

### **Constellation's 565 MW Nine Mile Point Nuclear Unit 1 in New York Reduced to 45 Percent by May 1**

The Nuclear Regulatory Commission reported that on the morning of April 30 the unit was operating at 80 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **Update: TransAlta to Shut Both Coal-Fired Units by 2025 at Existing 1,376 MW Centralia Power Plant in Washington**

Washington Governor Chris Gregoire signed a bill on April 29 that will require TransAlta to shut both coal-fired units by 2025 – one by December 31, 2020 and another by December 31, 2025 – at its existing 1,376 MW coal-fired Centralia power plant in Washington, the Governor said in a release. The bill also requires TransAlta to install additional air pollution control technology in 2013, but will allow the company to sell coal-based electricity in the interim.

<http://www.governor.wa.gov/news/news-view.asp?pressRelease=1699&newsType=1>

<http://www.transalta.com/facilities/plants-operation/centralia>

### **Blizzard Cuts Electricity to Most Oil Wells in Part of Bakken Oil Patch April 30**

For more information, see Electricity section.

### **Spill Leads Plains All American Pipeline to Shut Portion of 220,000 b/d, 600-Mile, Alberta-to-Edmonton Rainbow Crude Oil Pipeline April 29**

The pipeline spilled hundreds of barrels of oil about 62 miles northeast of Peace River, Alberta, regulators said. Alberta's Energy Resources Conservation Board said the line was shut, but the company said that southbound flows from the Nipisi Terminal to Edmonton remained in service. The company was working to contain the spill. It was not clear when it expected to resume normal operations.

<http://www.marketwatch.com/Story/story/print?guid=FF166BCB-C034-4AF0-994A-2DB858B8038E>

<http://www.reuters.com/article/2011/04/29/alberta-pipeline-leak-idUSN2927497420110429>

<http://www.b2i.us/profiles/investor/ResLibraryView.asp?BzID=789&ResLibraryID=44915&Category=117>

[http://www.plainsmidstream.com/ops\\_assetmap.html](http://www.plainsmidstream.com/ops_assetmap.html)

### **Update: After Power Outage, BP Restarts Several Units over Weekend at 475,000 b/d Texas City, Texas Refinery**

BP restarted an ultracracker and other units over the weekend at its 475,000 b/d Texas City, Texas refinery, a source familiar with the facility's operations said on May 2, after a power outage forced shut the facility last week. He said it would "take several more days for the plant to return to normal rates." Valero, meanwhile, restarted all production units at its 214,000 b/d refinery in Texas City; a power outage forced shut that facility just after the disruption at BP's facility. Marathon Oil resumed normal rates last week at its 76,000 b/d Texas City refinery; last week's power outages only affected some of that site's units.

DJN, 11:22 May 2, 2011

Reuters, 16:47 April 29, 2011

Reuters, 15:46 April 29, 2011

Reuters, 10:23 May 2, 2011

Reuters, 11:40 May 2, 2011

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153945>

### **Power Outage Forces Shut Hydrocracker at Motiva's 285,000 b/d Port Arthur, Texas Refinery May 1**

A power outage forced offline a lubes hydrocracking unit (LHCU) at the facility on May 1, Motiva said in a filing with state regulators. The company "diverted feed from the unit and stabilized," according to the filing. It was not clear if the incident had any impact on production.

<http://af.reuters.com/article/energyOilNews/idAFWEN236420110501>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153967>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153976>

### **Equipment Malfunction Causes Flaring at ExxonMobil's 238,600 b/d Joliet, Illinois Refinery April 30**

It was not clear if the incident had any impact on production.

<http://tier2.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2011-0431>

Reuters, 18:18 May 1, 2011

### **Valero Ready for Possible Flooding at 180,000 b/d Memphis, Tennessee Refinery May 2 – Heavy Rains Have Impacted Area for Several Days**

Valero was readying the facility for possible flooding – moving equipment to higher ground, among other things – on May 2 amid predictions that water levels would peak along the Mississippi River over the next few days, a company spokesman said. He said the company did not "anticipate any flooding in the refinery."

Reuters,

Reuters, 13:15 May 2, 2011

## **Frontier Oil Sees No Injuries or Operational Impact after Fire at 130,000 b/d El Dorado, Kansas Refinery April 29**

A sulfur pit fire occurred at the facility on April 29, but the company said the incident caused no injuries, damage, or operational impact.

Reuters, 11:13 May 2, 2011

Reuters, 18:29 May 1, 2011

## **Update: PdVSA Returns 335,000 b/d Isla Refinery in Curacao to 90 Percent Capacity by May 2 – Refinery Has Experienced Problems with Power/Steam Supplies**

Venezuela's PdVSA is operating its 335,000 b/d Isla refinery in Curacao at 90 percent capacity, facility officials said on May 2. The site's catalytic cracker has been online for more than one week and operators restarted multiple units over the weekend.

Reuters, 13:12 May 2, 2011

## **Enbridge Energy Partners to Install 1 Million Barrels of New Oil Storage Capacity at Cushing, Oklahoma by End of 2012**

Enbridge Energy Partners already has 14.8 million barrels of oil storage capacity at Cushing, Oklahoma. The one million barrel expansion, combined with previously-announced projects, would boost that total to 18.8 million barrels by the end of 2012, according to a company spokesman.

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=26483](http://www.downstreamtoday.com/news/article.aspx?a_id=26483)

## **Update: After March Reduction, Saudi Arabia Increases Oil Production by About 200,000 b/d in April 2011: Industry Sources**

Saudi Arabia increased its crude oil production from about 8.3 million b/d in March 2011 to approximately 8.5 million b/d in April 2011, industry sources said, after excess supply led the nation to reduce output by 800,000 b/d in March.

Reuters, 09:39 May 1, 2011

## **Colombia Boosts Oil Production to 903,000 b/d in April 2011, or 16 Percent Higher than April 2010: National Oil Agency**

Colombia produced 903,000 b/d of crude oil in April 2011, 16 percent higher than in April 2010 and 2 percent higher than in March 2011, the nation's national oil agency – ANH – said by May 2.

DJN, 13:03 May 2, 2011

## **Natural Gas**

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### **Enbridge Energy Partners to Expand Natural Gas Infrastructure in Haynesville Shale, Texas**

Enbridge Energy Partners plans to invest an additional \$175 million to expand its East Texas system, the company said on April 28. The Partnership has signed long-term agreements with several natural gas producers on the Texas side of the Haynesville shale to provide gathering, treating, and transmission services in Shelby, Sabine, San Augustine, and Nacogdoches Counties. The projects involve construction of gathering and related market outlet pipelines and related treating facilities in the Texas Haynesville shale.

[http://www.enbridgepartners.com/Reports/reportif\\_partners.aspx?pl=0&rptSite=5&rpt=/phoenix.zhtml%3Fc%3D63707%26p%3Dirol-news%26nyo%3D0&tmi=475&tmt=5](http://www.enbridgepartners.com/Reports/reportif_partners.aspx?pl=0&rptSite=5&rpt=/phoenix.zhtml%3Fc%3D63707%26p%3Dirol-news%26nyo%3D0&tmi=475&tmt=5)

### **Central Valley Gas Storage Breaks Ground on Proposed 11 Bcf Natural Gas Storage Facility in California by April 28**

Nicor Inc.'s Central Valley Gas Storage, L.L.C. has broken ground on its proposed Central Valley natural gas storage project in Colusa County, California, the company said on April 28. The company expects to install compressor units and construct approximately 15 miles of 24-inch pipeline connecting the storage field to PG&E's transmission system. Once completed, the facility will have a storage capacity of 11.0 Bcf and an injection and withdrawal capacity of 300 MMcf/d, according to the publicly filed information. The project is expected to be completed by the end of 2011.

<http://www.cvgasstorage.com/media/RLS%20-%20Central%20Valley%204-28-11.pdf>

## Other News

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**Update: Tokyo Electric Power to Install New Wall to Protect Earthquake-and-Tsunami-Damaged Fukushima Daiichi Nuclear Power Plant in Japan from Future Tsunamis**

<http://mg.co.za/article/2011-05-02-japan-plans-new-tsunami-wall-at-nuclear-plant/>

## Energy Prices

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<b>U.S. Oil and Gas Prices</b>			
May 2, 2011			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	113.15	111.71	85.49
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.60	4.37	4.24

Source: Reuters

## Energy Notes

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**National Grid Reports 14,103 Customers without Power in New York, 11,257 Customers without Power in Massachusetts April 29 – Only Scattered Outages throughout Company’s Service Territory, as of Latest Reports**

<http://www1.nationalgridus.com/masselectric/stormcenter/>

<http://www1.nationalgridus.com/niagaramohawk/stormcenter/>

**PSE&G to Deploy 80 MW of Solar Power over Three Years through Solar 4 All Program in New Jersey**

<http://www.pseg.com/info/media/newsreleases/2011/2011-05-02.jsp>

**Update: Town Council Authorizes Dominion Virginia Power’s Plan to Convert Coal-Fired Power Plant in Altavista, Virginia to Burn Biomass April 26**

<http://www.dailyjournal.net/view/story/6bca3a33b5ed46b4a7fee4af3aa85449/VA--Dominion-Biomass-Conversion/>

**Entergy Detects Tritium in Abandoned, Partially-Constructed Unit 2 Turbine Building at Grand Gulf Nuclear Power Plant in Mississippi April 29 – Release Stopped, Company Says**

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110502en.html>

**Update: Russia to Increase Oil Export Duty in Bid to Prevent Companies from Exporting too Much Gasoline**

<http://blogs.forbes.com/kenrapoza/2011/04/30/oil-rich-russia-to-raise-export-duties-44-to-keep-gasoline-home/>

**Increased Global Demand, Shale Gas Supplies to Transform United States into Net LNG Exporter within a Few Years**

[http://www.rigzone.com/news/article.asp?a\\_id=106651](http://www.rigzone.com/news/article.asp?a_id=106651)

**Entergy Louisiana to Construct New Natural Gas Supply Pipeline and Improve Transmission Infrastructure for Newly-Purchased, 580 MW, Gas-Fired Acadia Energy Center Power Block 2 in Louisiana by 2013**

[http://www.energy-louisiana.com/News\\_Room/newsrelease.aspx?NR\\_ID=2133](http://www.energy-louisiana.com/News_Room/newsrelease.aspx?NR_ID=2133)

**Valero Reports Unscheduled Compressor Maintenance at 315,000 b/d Corpus Christi, Texas Refinery May 2-3 – Company Says Incident Will not Materially Affect Production**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153989>

Reuters, 10:49 May 2, 2011

**SRU Shutdown Leads to Flaring at Sneed Booster Station in Texas May 1**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153974>

**Transmitter Snag Leads to Compressor Shutdown, Emissions Event at Waha Gas Plant in Texas May 1 – Compressor Re-Started within Less Than One Hour**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153979>

**Engine Problems Trigger Flaring at Keystone Gas Plant in Texas April 30**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153966>

**Lightning Strike Suspected to Blame for Power Outage, Shutdown at Pittsburg Gas Plant in Texas April 30-May 2 – Power Restored, Restart Begun by May 2, but Associated 14-Inch Pipeline Remains Offline, as of Latest Reports**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153978>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153968>

**High Vibration on Compressor Leads to Flaring at Jed Clampett Production Facility in Texas April 30-May 6**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153964>

**Turbine Shuts, Restarts at Goldsmith Gas Plant in Texas April 29**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153958>

**Shutdown at Matador Substation to Force Shut 300 MMcf/d of Natural Gas Production in Texas April 29-May 2**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=153827>

## **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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