



ENERGY ASSURANCE DAILY

Tuesday Evening, August 07, 2012

Major Developments

CDU Fire Shuts Chevron's 245,271 b/d Richmond, California Refinery August 6

Chevron Corp. reported a major fire broke out in its Richmond refinery's lone crude distillation unit (CDU) at 6:15 PM PDT Monday evening, shortly after operators discovered the unit was leaking, according to a spokesman. The fire was contained by 11:00 PM PDT and extinguished by the following morning, Chevron said. Safety officials were allowing a small controlled burn to continue on Tuesday, as a safety measure to reduce pressure and to reduce hydrocarbon emissions. The cause of the incident and the extent of the damage it caused were still under investigation. Chevron said parts of the refinery were still operating Monday night, according to a spokesman, who did not specify which units at the plant were still operating. Local sources have said the refinery shut all production. Traders have estimated the refinery will remain shut for up to three months, and fears of a months-long shutdown caused a 25-cent spike in regional wholesale gasoline prices. Chevron's Richmond refinery is located near a densely populated industrial suburb of east San Francisco Bay, and the thick smoke resulting from the fire caused more than 200 people to seek medical help due to respiratory problems, according to local health officials. The Contra Costa County Health Services and Chevron both issued shelter-in-place advisories, asking more than 100,000 nearby residents to remain indoors to avoid smoke inhalation yesterday evening. The advisories were lifted by midnight local time last night.

Reuters, 11:01 August 7, 2012

http://www.chevron.com/news/mediareources/updates.news?utm_campaign=Richmond_Fire_-_US&utm_medium=cpc&utm_source=Google&utm_term=chevron

http://www.washingtonpost.com/national/residents-in-2-n-california-cities-told-to-stay-inside-because-of-fire-at-richmond-refinery/2012/08/06/ea190880-e037-11e1-8d48-2b1243f34c85_story.html?hpid=z3

Update: PHMSA Approves Enbridge to Restart Its 317,600 b/d Line 14 at Reduced Rate after Agreeing to Safety Measures

The U.S. Pipeline and Hazardous Materials Safety Administration (PHMSA) on Monday told Enbridge Energy Partners LP it was permitted to restart its Line 14 crude oil pipeline after Enbridge agreed to extra safety precautions, including restricting line pressure to 80 percent of that used at the time of failure. Operators shut and isolated the 24-inch pipeline July 27 after discovering an estimated 1,200 barrels of crude oil had spilled near Grand Marsh, Wisconsin. Line 14 predominantly transports light crude oil to Chicago-area refineries. It is part of Enbridge's Lakehead System, a 2.5 million b/d network that is the main conduit for Canadian crude oil exports.

<http://www.foxbusiness.com/news/2012/08/06/enbridge-to-restart-oil-pipeline-after-agreeing-to-safety-measures/>

Electricity

Arkansas PSC Says Entergy Must Satisfy Conditions to Receive Approval to Join MISO

The Arkansas Public Service Commission (APSC) on Friday issued an order that said it was unable to conclude that Entergy Arkansas, Inc.'s application to transfer functional control of its electric transmission facilities to the Midwest Independent Transmission System Operator (MISO) was in the public interest. The APSC said it would, however, be willing to approve Entergy's application if the utility and MISO complied with 20 conditions enumerated in the APSC's order. In a press release, Entergy said it remained committed to completing the steps needed to join MISO by December 2013, including the conditions outlined in the APSC's order. Entergy in April 2011 first announced plans to integrate its transmission system into MISO amid pressure from state and federal regulators and from independent power producers and utilities seeking to operate outside the Entergy system.

<http://finance.yahoo.com/news/entergy-arkansas-remains-focused-steps-225300132.html>

<http://www.reuters.com/article/2012/08/07/utilities-entergy-miso->

[idUSL2E8J6GDR20120807?feedType=RSS&feedName=governmentFilingsNews&rpc=43](http://www.reuters.com/article/2012/08/07/utilities-entergy-miso-idUSL2E8J6GDR20120807?feedType=RSS&feedName=governmentFilingsNews&rpc=43)

http://www.apscservices.info/pdf/10/10-011-u_918_1.pdf

Black Hills to Suspend Operations and Retire Various Coal-Fired and Natural Gas-Fired Power Plants in Colorado, South Dakota, and Wyoming Due to Economics, Regulations

Black Hills Corp. on Monday announced that utility subsidiaries Black Hills Energy – Colorado Electric and Black Hills Power are suspending operations at some of the company's older coal-fired and natural gas-fired facilities this year. Suspension of operations requires the units to be available to generate electricity when necessary, especially during hot summer months when customers are using the most energy. Facilities planned for suspension include:

- Colorado Electric's 42 MW W.N. Clark coal-fired power plant in Cañon City, Colorado, which will suspend operations at year-end 2012;
- Natural gas-fired Units 5 and 6 in Pueblo, Colorado, which will suspend operations at year-end 2012; and
- Black Hills Power's 25 MW Ben French coal-fired power plant in Rapid City, South Dakota, which is scheduled to suspend operations on August 31, 2012.

To comply with environmental standards, including new U.S. Environmental Protection Agency regulations and Colorado's Clean Air – Clean Jobs Act, Black Hills Power and Black Hills Energy – Colorado Electric plan to permanently retire 124 MW of coal-fired generation in Colorado, South Dakota, and Wyoming, including:

- The 42 MW W.N. Clark coal-fired power plant on December 31, 2013;
- The 25 MW Ben French coal-fired power plant on March 21, 2014;
- The 34.5 MW Osage coal-fired power plant on March 21, 2014; and
- The 22 MW Neil Simpson coal-fired Unit 1 on March 21, 2014.

<http://www.blackhillscorp.com/news12/080612.pdf>

Update: Enel Green Power Buys 200 MW Prairie Rose Wind Farm Project in Southwestern Minnesota; Project Scheduled for Completion by Year-End

Geronimo Wind Energy announced yesterday the sale of its 200 MW Prairie Rose Wind Farm to its strategic partner, Enel Green Power (EGP). The Prairie Rose Wind Farm is located in Rock County in southwestern Minnesota and will consist of 119 1.68-MW GE turbines. The project has a 20-year Power Purchase Agreement with Northern States Power Company (NSP), a subsidiary of Xcel Energy. The project is currently under construction and will be completed by the end of the year.

http://www.geronimowind.com/pdf/Prairie_Rose_Sale_Press_Release.pdf

Footprint to Retire 748 MW Salem Harbor Coal-Fired Power Plant in Massachusetts in May 2014; Build 630 MW Natural Gas-Fired Power Plant on Site

Footprint Power on Sunday announced it has acquired the 748 MW Salem Harbor coal-fired power plant from Dominion Energy Inc. and plans to end the coal plant's operation in May 2014. (Dominion had also planned to retire all four units at the plant by mid-2014.) Footprint will raze and clean up the Salem Harbor site and then develop a new 630 MW natural gas-fired power plant on the site.

<http://www.salemnews.com/local/x1495167091/Power-plant-deal-is-official>

LCRA to Begin Restarting 615 MW Fayette Coal-Fired Unit 1 in Texas August 5 after Boiler Tube Repairs

The Lower Colorado River Authority (LCRA) reported Fayette Unit 1 was scheduled to begin startup procedures Sunday evening following a maintenance outage to repair a tube leak on the lower slope water wall section of the boiler, according to a filing with the Texas Commission on Environmental Quality. Operators discovered the leak on July 31, and LCRA shut the unit August 1. Restart procedures and associated emissions were expected to last until noon on Monday, the filing said.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171958>

Update: FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Ramped Up to 83 Percent by August 7

On the morning of August 6 the unit was operating at 60 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2012/>

AES's 175 MW Redondo Gas-Fired Unit 6 in California Returns to Service by August 6

The unit returned from an unplanned outage that began by August 5.

<http://content.caiso.com/unitstatus/data/unitstatus201208061515.html>

Plains All American and Enterprise Products Announce Joint Venture to Build 350,000 b/d Crude Oil Pipeline to Service Eagle Ford Shale in South Texas

Plains All American Pipeline, L.P. (PAA) and Enterprise Products Partners L.P. (EPD) yesterday announced they have formed a 50/50 crude oil pipeline joint venture to consolidate certain portions of previously announced pipeline projects servicing the Eagle Ford shale play in South Texas. The joint venture will include a 140-mile crude oil and condensate line extending from Gardendale to Three Rivers and continuing on to Corpus Christi, and a new 35-mile pipeline segment from Three Rivers to Enterprise's Lyssy station. The system, which is currently under construction, will have a targeted capacity of 350,000 b/d and will include a marine terminal facility at Corpus Christi and 1.8 million barrels of operational storage capacity across the system. At Lyssy, the joint venture pipeline will interconnect with EPD's existing 350,000 b/d South Texas Crude Oil Pipeline, which transports crude oil to Sealy, Texas for ultimate delivery into the Houston-area refinery market. Portions of the system are expected to be placed in service in the fourth quarter of 2012, with the balance of the system expected to be placed into service in the first half of 2013. The new joint venture replaces plans announced by PAA in May 2011 to build a 130-mile, 300,000 b/d crude oil and condensate pipeline, a marine terminal facility, and 1.5 million barrels of storage capacity to service Eagle Ford production in South Texas by the fourth quarter of 2012. In November 2011, PAA said equipment delays and other issues had delayed the startup of its Eagle Ford crude oil pipeline until the first quarter of 2012.

<http://ir.paalp.com/profiles/investor/ResLibraryView.asp?ResLibraryID=56314&BzID=789&t=1309&g=549&Nav=0&LangID=1&s=0>

Plains All American Announces New Projects in the Eagle Ford Shale in South Texas and along the Texas Gulf Coast

Plains All American Pipeline, L.P. (PAA) yesterday announced it is expanding its Gardendale Gathering system and constructing a new condensate stabilization facility in the Eagle Ford and building a new pipeline along the Gulf Coast. The projects are expected to be completed by the end of 2013. The Gardendale Gathering system will provide approximately 115,000 b/d of incremental gathering capacity and will connect at Gardendale to long-haul pipelines, enabling shippers to deliver to Three Rivers, Corpus Christi, or Houston refiners (see previous story). The new expansion pipelines are expected to be placed into service between the fall of 2012 and second-quarter 2013. The new 80,000 b/d Eagle Ford condensate stabilization facility will be constructed adjacent to the Gardendale terminal. The facility is designed to extract natural gas liquids (NGLs) from condensate, enabling the condensate to meet the shipping specifications of long-haul pipelines originating at Gardendale. The facility's first 40,000 b/d phase is expected to be in service in early October 2012. The second 40,000 b/d phase is expected to come into service near the end of 2012. The new Gulf Coast pipeline is a 24-inch, 40-mile crude oil pipeline that will originate from PAA's Ten Mile terminal in Mobile County, Alabama. The project is expected to be in service in the fourth quarter of 2013.

<http://ir.paalp.com/profiles/investor/ResLibraryView.asp?ResLibraryID=56305&BzID=789&t=1309&g=549&Nav=0&LangID=1&s=0>

Plains All American Brings 50,000 b/d Barstow Crude Oil Pipeline into Service in West Texas; Will Soon Provide 150,000 b/d of Additional Takeaway Capacity in Permian Basin

Plains All American Pipeline, L.P. (PAA) on Monday announced that it has completed or is nearing completion on the construction of new crude oil pipeline projects that are expected to provide 200,000 b/d of additional takeaway capacity from the Bone Spring, Spraberry, and Wolfberry producing areas in West Texas. These projects include:

- The new 15-mile Barstow pipeline, which was recently brought into service and will initially provide 50,000 b/d of take-away capacity;
- The new 50-mile North Spraberry pipeline, which will have an initial capacity of 40,000 b/d and is expected to be brought into service in stages through the end of 2012;
- The new 50-mile, 60,000 b/d South Spraberry trunk line project, which is expected to be in service by the end of 2012; and
- The new 15-mile, 50,000 b/d pipeline connecting to the South Spraberry trunk line, which is expected to be in service by the end of 2012.

<http://ir.paalp.com/profiles/investor/ResLibraryView.asp?ResLibraryID=56296&BzID=789&t=1309&g=549&Nav=0&LangID=1&s=0>

Plains All American Announces New Crude Oil Rail Facilities in Colorado and Virginia

Plains All American Pipeline, L.P. (PAA) on Monday announced it is constructing new crude oil rail facilities in Tampa, Colorado and Yorktown, Virginia and making additional modifications to its Yorktown facility. The new rail facilities and modifications are expected to be completed by the third-quarter of 2013. The Tampa facility is located approximately 50 miles northeast of Denver and is designed to receive crude oil via truck and pipeline from the DJ Basin and to load unit and manifest trains at a rate of up to 68,000 b/d. The Tampa facility is expected to be in service in the third quarter of 2013. The Yorktown crude oil rail facility is being constructed at PAA's multi-product terminal and is designed to receive unit and manifest trains with the capability to unload at a rate of up to 130,000 b/d. The project includes making modifications to the existing dock and related infrastructure to facilitate loading barges and ocean-going vessels at higher rates and handling multiple products. The rail facility and other modifications are expected to begin service in the first half of 2013.

<http://ir.paalp.com/profiles/investor/ResLibraryView.asp?ResLibraryID=56295&BzID=789&t=1309&g=549&Nav=0&LangID=1&s=0>

Buckeye Identifies Opportunities to Receive Bakken Crude Oil by Rail at Its Perth Amboy Terminal in New Jersey

Buckeye Partners LP is considering opportunities to handle and store Bakken crude oil from North Dakota at its Perth Amboy terminal in New Jersey, the company's CEO said in a recent earnings call. The company has received "strong customer interest" for Bakken crude, and its Perth Amboy facility is "well suited" to handle rail shipments of the grade, the executive said.

<http://www.bloomberg.com/news/2012-08-03/buckeye-sees-opportunities-to-ship-bakken-oil-to-perth-amboy-1-.html?cmpid=yhoo>

Update: Ottawa Sets December 2013 Deadline for Regulators Reviewing Enbridge's Proposed 525,000 b/d Northern Gateway Pipeline Project

Canada's Environment Minister, Peter Kent, on Friday told the National Energy Board (NEB) conducting an environmental review of Enbridge Inc.'s proposed Northern Gateway pipeline project that—under a new law affecting reviews of major projects—it has until December 31, 2013 to finish its assessment and report. Enbridge's proposed 525,000 b/d Northern Gateway pipeline project is intended to transport crude oil from tar sands in northern Alberta westward to an export terminal near Kitimat, British Columbia. Under new environmental and regulatory laws that went into effect late last June, reviews of major projects must be limited to 24 months, and interprovincial pipeline reviews must be limited to 18 months.

<http://www.calgaryherald.com/business/energy-resources/Ottawa+sets+December+2013+deadline+Northern/7038727/story.html>

Equipment Malfunction Leads to Sulfur Dioxide Emissions at PBF Energy's 190,000 b/d Delaware City, Delaware Refinery August 6

Reuters, 18:24 August 6, 2012

Natural Gas

Atlas Pipeline May Curtail NGL Production at Its 195 MMcf/d Midkiff Gas Plant in Texas This Month after Downstream Operator Declares Force Majeure to Repair Fractionator

Atlas Pipeline reported it may have to curtail production or shut down its operations at the plant this month because its downstream liquid-pipeline operator, ONEOK in Mont Belvieu, may be shutting the Midkiff plant and other natural gas liquid (NGL) production plants down to work on its fractionator, which sustained major damage in late June. ONEOK sent Atlas Pipeline a force majeure letter, and it doesn't know how long it will take to make repairs. Atlas Pipeline may be required to cut back on liquid production. Operators were planning to coordinate down time with normal preventative maintenance to minimize emissions.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171885>

Southern Union Reports Flaring after Compressor Snag, SRU Shutdown at Its 140 MMcf/d Keystone Gas Plant in Texas August 4–6

Southern Union Gas Services reported it was flaring low-pressure gas at its Keystone plant on Saturday after its low-pressure system overloaded when field compressors upstream (Emperor units) went down, according to a filing with the Texas Commission on Environmental Quality (TCEQ). Operators also reported the plant was flaring acid gas Monday morning after a sulfur recovery unit (SRU) went down due to “A bed” high temperatures, according to another TCEQ filing.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171911>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171973>

ExxonMobil Shuts Unit to Repair Faulty Pistons at Its 135 MMcf/d Salt Creek Gas Plant in Texas August 6

ExxonMobil reported it was planning to shut Unit K3502 to replace faulty pistons and would route its inlet gas to flare during repairs, according to a filing with the Texas Commission on Environmental Quality. Emissions during repairs were possible through Tuesday evening, the filing said.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171668>

Power Failure Leads to Emissions at Exterran’s 65 MMcf/d Dollarhide Gas Plant in Texas August 4

Exterran reported emissions at its Dollarhide plant after a power line issue led to power failure Saturday afternoon, according to a filing with the Texas Commission on Environmental Quality. Electricians made repairs and the emissions event ended Sunday afternoon, the filing said.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171912>

Devon Reports Unstable Operations, Flaring at Its 65 MMcf/d Jameson Gas Plant in Texas August 3–4

Devon Gas Services LP reported volumetric flow excursions of low-pressure and intermediate-pressure inlet gases were causing unstable operations at its Jameson gas plant on Friday and Saturday, according to a filing with the Texas Commission on Environmental Quality. Operators diverted off-spec residue gas, excess low-pressure and intermediate-pressure inlet gas, and off-spec natural gas liquids to flare.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171902>

Acid Gas Injector Unit 1 Shuts Due to First-Stage Suction Pressure, Leads to Flaring at Enbridge’s Tilden Gas Plant in Texas August 3

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=171908>

DCP Midstream to Double Processing Capacity in Denver-Julesburg Basin in Colorado by Year-End 2014

DCP Midstream LLC announced yesterday that capital investments underway will double its processing capacity in the Denver-Julesburg Basin by the end of 2014. In total, DCP will increase its gathering and processing assets in the Basin to nine natural gas processing plants with a total capacity of around 800 MMcf/d and natural gas liquids (NGL) production of 70,000 b/d. These projects include:

- The previously announced 110 MMcf/d LaSalle Plant, which is scheduled for completion in the second half of 2013. DCP has applied for permits to increase the capacity of the LaSalle Plant to 160 MMcf/d by the second half of 2013. DCP is simultaneously constructing two compressor stations, with one to the north and one to the west of the LaSalle Plant, and an associated gathering system, which are also expected to be in-service by the second half of 2013.
- Approval to increase the capacity of its Mewbourn II Plant by 35 MMcf/d to 160 MMcf/d this summer.
- A project to build the 230 MMcf/d Lucerne II Plant and separate additional gathering system improvements, including up to four compressor stations, estimated for service by late 2014.

In addition, the recently announced 150,000 b/d Front Range Pipeline will also help producers in the DJ Basin maximize the value of their NGL production by providing connectivity to the premium Mont Belvieu, Texas, market. Capacity on that pipeline can be expanded to approximately 230,000 b/d. The Front Range Pipeline is expected to be in service by fourth quarter 2013.

<https://www.dcpmidstream.com/pdf/DCP%20Midstream%20to%20Double%20Capacity%20in%20Denver-Julesburg%20Basin.html>

Update: Colorado State Slightly Raises Atlantic Hurricane Forecast

Forecasters at Colorado State University on Friday slightly raised their hurricane forecast for the 2012 Atlantic storm season, predicting to see 14 named storms, 6 of them hurricanes. The previous forecast was 13 named storms and 5 hurricanes. Two of the six hurricanes predicted are forecast to become “major,” with sustained winds of 111 miles per hour or greater. Forecasters at the university said in a press release that the slight increase of activity in their predictions was due to a slower-than-anticipated onset of El Nino and a somewhat more favorable tropical Atlantic than observed earlier this year. They expected a slightly below-average probability of United States and Caribbean major hurricane landfall.

http://www.rigzone.com/news/oil_gas/a/119806/Colorado_State_Slightly_Raises_Atlantic_Hurricane_Forecast

<http://tropical.atmos.colostate.edu/forecasts/2012/aug2012/aug2012.pdf>

Update: USDA Backs Fulcrum Sierra BioFuels’ Project to Build 10 MMGal/Yr. Waste-to-Biofuels Facility in Nevada

The U.S. Department of Agriculture (USDA) on Monday announced a \$105 million loan guarantee to Fulcrum Sierra BioFuels, LLC to finance development of a facility to convert municipal solid waste into advanced biofuels. The plant will be built 20 miles east of Reno, Nevada and is scheduled for completion by 2015. Once operational, the plant is expected to convert 147,000 tons of processed municipal solid waste into over 10 million gallons of advanced biofuels annually using a two-part thermo-chemical process.

http://www.huffingtonpost.com/2012/08/06/fulcrum-sierra-biofuels- n_1748737.html

<http://www.usda.gov/wps/portal/usda/usdahome?contentid=2012/08/0263.xml&contentidonly=true>

W2 Energy Completes Fabrication and Installation of Its Newly Acquired 650,000 Gal/Yr Biodiesel Plant in Ontario

W2 Energy, Inc. on Monday announced that it has completed the fabrication and installation of its recently acquired biodiesel plant. W2 Energy recently purchased a fully operating turn-key biodiesel plant from Agri-Green Biodiesel, Inc. The plant was transported to the W2 Energy’s manufacturing facility in Guelph, Ontario last month and is now fully functional and operating. Operators will be running a series of sample runs in order to prepare for full production. W2 Energy currently expects to produce approximately 650,000 gallons of biodiesel per year at the plant. The company is planning to retrofit the plant to increase its production by up to 1.2 million gallons per year.

<http://finance.yahoo.com/news/w2-energy-completes-fabrication-installation-140000834.html>

International News

Gunmen Attack 2 Ships Owned by an Oil and Gas Contractor Offshore Nigeria August 4

Gunmen attacked two ships off the coast of the Niger Delta early Saturday, killing two navy sailors protecting the vessels and kidnapping four foreign workers, officials said. The ships are owned by Sea Trucks Group, an oil and gas contractor with offices in Rotterdam, the Netherlands. No militant group immediately claimed responsibility for the attack or issued a ransom demand, officials said.

<http://www.nrtoday.com/article/20120804/API/1208040645&ParentProfile=1055>

Update: Sudan, South Sudan Reach Deal on Oil Pipeline Transport Fees

Sudan and South Sudan have reached a deal on oil pipeline fees, African Union officials announced Saturday. The two countries have been involved in an ongoing dispute about how much the landlocked South Sudan should pay to transport its oil through Sudan. The Southern Sudanese have now agreed to increase the amount they are willing to pay (approximately \$9.48 per barrel) Sudan to transport its fuel through Sudan’s pipelines.

<http://www.sfgate.com/world/article/Sudans-reach-deal-on-oil-pipeline-fees-3763167.php>

Energy Prices

U.S. Oil and Gas Prices			
August 7, 2012			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	93.48	88.80	87.00
NATURAL GAS Henry Hub \$/Million Btu	2.90	3.14	4.20

Source: Reuters

Links

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

Updated after 10:30 AM and 1:00 PM Eastern Time every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM Eastern Time every Thursday.

ENERGY ASSURANCE DAILY

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

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