



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

ENERGY ASSURANCE DAILY

Monday Evening, April 27, 2009

Electricity

Storms Cut Power to about 145,000 Customers in Michigan April 25

Storms and wind cut electricity to more than 125,000 DTE customers and about 20,000 Consumers Energy customers in Michigan on April 24, multiple sources reported. About 30,000 DTE customers and 3,700 Consumers Energy customers remained in the dark on April 25. DTE expected to restore most customers by this morning, April 27.

<http://www.freep.com/article/20090427/NEWS05/904270382/1007/NEWS05/Metro+Detroit+power+expected+to+be+restored+today>

http://www.mlive.com/news/index.ssf/2009/04/strong_storms_cut_off_power_ac.html

<http://www.clickondetroit.com/news/19295739/detail.html>

Thunderstorm Knocks Out Power to Nearly 130,000 Customers in Ontario April 25

A thunderstorm cut power to as many as 100,000 Hydro One customers, 16,000 Toronto Hydro customers, 10,000 Hydro Ottawa customers and about 2,500 Horizon Utilities customers in Ontario on April 25. Fewer than 10,000 customers remained without power, as of latest reports.

<http://www.thespec.com/News/Local/article/555448>

<http://news.therecord.com/News/Local/article/527339>

http://www.hydroonenetworks.com/en/about/our_services/power_outage_maps/NewReports/outage_summary.html

<http://network.nationalpost.com/np/blogs/toronto/archive/2009/04/27/toronto-s-day-of-the-wind.aspx>

<http://micro.newswire.ca/release.cgi?rkey=1704275321&view=46250-2&Start=0>

https://www.hydroottawa.com/NewsEvents/news.cfm?lang=e&template_id=48

<http://www.ottawacitizen.com/Health/Region+cleans+after+storm/1536571/story.html>

Electrical Substation Fire Cuts Power to About 25,000 Maritime Electric Customers in Prince Edward Island, Canada April 27

<http://news.aol.ca/article/fire-takes-down-power-in-charlottetown/608945/>

Exelon's 1,154 MW Braidwood Nuke Unit 2 in Illinois Shuts, Restarts over Weekend

The unit shut after a malfunction in a cooling system monitor on April 24, a company spokesman said. Operators replaced a circuit card and restarted the unit on April 25, he said. The unit returned to 92 percent power by this morning, April 27, according to a report from the Nuclear Regulatory Commission.

<http://www.wqad.com/news/sns-ap-il--braidwoodnuclear,0,7218296.story>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

TVA's 1,118 MW Browns Ferry Nuke Unit 2 in Alabama Shut by April 26

The Nuclear Regulatory Commission reported that on the morning of April 25 the unit was operating at 40 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

FPL's 839 MW Saint Lucie Nuke Unit 2 in Florida Shut by April 27

FPL had slowed the unit to 85 percent power last week after operators removed a circulating-water pump from service, a spokesman said previously. It was not clear if the shutdown was related to that work. The Nuclear Regulatory Commission reported that on the morning of April 26 the unit was operating at 68 percent.

Bloomberg News, 07:22 April 27, 2009

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Exelon's 619 MW Oyster Creek Nuke Unit in New Jersey Shut by April 26

Exelon shut the unit due to a malfunctioned transformer cooling system, according to a filing with the U.S. Nuclear Regulatory Commission (NRC). The NRC reported that on the morning of April 25 the unit was operating at full power.

Bloomberg News, 07:54 April 27, 2009

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Luminant's 793 MW Martin Lake Coal-fired Unit 1 in Texas Shuts Twice April 26— Company Plans Restart April 27-28

The unit shut due to a valve malfunction, and later due to a waterwall tube overheating, Luminant said in separate filings with state regulators. The company expected to restart the unit on April 27-28, according to a third filing.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123389>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123387>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123388>

Reuters, 08:48 April 27, 2009

Luminant Plans Shutdown of 593 MW Big Brown Coal-fired Unit 1 in Texas April 24

Operators expected to shut the unit to replace a transformer on April 24, the company said in a filing with state regulators. The transformer had “been experiencing increased combustible gassing rates, indicating deterioration,” according to the filing.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123072>

Reuters, 09:02 April 27, 2009

AES's 226 MW Huntington Beach Gas-fired Unit 2 in California Shut by April 26

According to the California Independent System Operator, the unit experienced an unplanned outage by April 26.

<http://www.caiso.com/unitstatus/data/unitstatus200904261515.html>

Exelon's 1,131 MW Byron Nuke Unit 2 in Illinois Ramped Up to 95 Percent by April 26

The Nuclear Regulatory Commission reported that on the morning of April 25 the unit was operating at 82 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Exelon's 1,116 MW Peach Bottom Nuke Unit 2 in Pennsylvania at Full Power by April 26

The Nuclear Regulatory Commission reported that on the morning of April 25 the unit was operating at 29 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: Exelon's 850 MW Dresden Nuke Unit 3 in Illinois Ramped Up to 80 Percent by April 27

Exelon shut the unit by April 24 to replace a valve. The Nuclear Regulatory Commission reported that on the morning of April 26 the unit was operating at 4 percent.

Reuters, 07:51 April 27, 2009

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Constellation's 480 MW Ginna Nuke Unit in New York at Full Power by April 26

The Nuclear Regulatory Commission reported that on the morning of April 25 the unit was operating at 56 percent. Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Cabrillo Power's 300 MW Encina Gas-fired Unit 4 in California Returns to Service by April 26

According to the California Independent System Operator, the unit experienced an unplanned outage by April 25.

<http://www.caiso.com/unitstatus/data/unitstatus200904261515.html>

AES's 226 MW Huntington Beach Gas-fired Unit 1 in California Returns to Service by April 24

According to the California Independent System Operator, the unit returned from an unplanned outage.

<http://www.caiso.com/unitstatus/data/unitstatus200904241515.html>

AES's 179 MW Redondo Gas-fired Unit 5 in California Returns to Service by April 26

According to the California Independent System Operator, the unit experienced an unplanned outage on April 24.

<http://www.caiso.com/unitstatus/data/unitstatus200904261515.html>

Update: SCS Energy Plans 500 MW PurGen Coal-fired Power Plant in New Jersey—Facility Would Capture CO₂, Ship Via Pipeline for Subsea Storage

SCS Energy plans to build a 500 MW coal-fired power plant and an associated 100-mile, underground CO₂ pipeline.

The line would deliver up to 10 million tons of CO₂/year for storage beneath the Atlantic Ocean.

http://www.nj.com/news/index.ssf/2009/04/proposed_facility_in_linden_wo.html

NERC to Launch System Protection Initiative in Effort to Improve, Better-Control North American Electric Grid

The North American Electric Reliability Corporation (NERC) plans to launch "The System Protection Initiative" to coordinate efforts in improving the regional power grid. NERC said that misoperation of system protection and control systems were at fault for nearly 45 percent of larger-scale power disruptions in 2007. The Initiative will address issues in coordination, among others.

http://www.nerc.com/fileUploads/File/News/spi-letter_24Apr09.pdf

Petroleum

Update: Tesoro's 115,000 b/d Anacortes, Washington Refinery at Planned Rates by April 27—Shell Expects Normal Rates soon at 145,000 b/d Anacortes, Washington Facility

A power outage forced shut both facilities on April 23. Tesoro returned its 115,000 b/d Anacortes, Washington refinery to normal operations by this morning, a spokesperson said. Shell expected to resume normal production at its 145,000 b/d Anacortes, Washington facility in 24 to 36 hours, according to an April 27 news source. A separate source indicated that the incident had caused "minor damage" to the Shell refinery.

Reuters, 11:25 April 27, 2009

Bloomberg News, 12:09 April 27, 2009

Reuters, 18:03 April 24, 2009

<http://www.platts.com/Oil/News/6280145.xml?p=Oil/News&sub=Oil>

Pressure Drop Forces Shut Units at ExxonMobil's 567,000 b/d Baytown, Texas Refinery April 24—Operators Restart Units by April 26

Heavy rain caused a reduction in steam pressure, triggering shutdowns of a hydrocracker and a flexicoker unit at Exxon Mobil's 567,000 b/d Baytown, Texas refinery, the company said in a filing with state regulators. The event resulted in flaring. The incident did not impact supplies, and operators restarted the units by April 26, a spokeswoman said.

<http://in.reuters.com/article/oilRpt/idINN2647406320090426>

<http://uk.reuters.com/article/oilRpt/idUKN2648188120090426>

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=123381>

Reuters, 07:23 April 27, 2009

Update: After April 18 Fire, Shell Restarting Hydrocracker at 329,800 b/d Deer Park, Texas Refinery

Shell expected the hydrotreater to resume normal rates on April 28, a company spokeswoman said. A pump-seal leak triggered a fire and forced shut the unit on April 18.

Bloomberg News, 09:36 April 27, 2009

Update: Marathon's 226,000 b/d Catlettsburg, Kentucky Refinery Remains Reduced as Company Shuts Associated Oil Pipeline April 25

Operators shut the pipeline—a 24-inch line that delivers oil from Owensboro, Kentucky to Marathon's 226,000 b/d Catlettsburg, Kentucky refinery—to repair a leak, the company said April 25. Marathon first shut the line on April 17 after reports of an oil release. The company restarted the line at reduced rates on April 20 as it worked to identify the leak's source. The shutdown and partial-restart forced Marathon to reduce rates at its Catlettsburg refinery and allocate customer supplies. The refinery remained at reduced rates, and Marathon had not provided a timetable for restoration, as of latest reports.

DJN, 09:50 April 27, 2009

Update: Valero Eyes Early-May for Boiler Restarts at 182,200 b/d Delaware City, Delaware Refinery

Valero may restart boiler steam units by early-May at its 182,200 b/d Delaware City, Delaware refinery, six weeks after operators shut the entire facility for repairs, a company spokesman said. Valero shut the refinery in March to repair a coker, and later extended the shutdown to perform boiler maintenance. The company expects to complete the coker repairs before it finishes the boiler work, according to the spokesman.

Bloomberg News, 12:29 April 27, 2009

Husky Energy Says Turbine Repairs Could Stretch 4-to-5 Weeks at 146,200 b/d Lima, Ohio Refinery—FCC at Reduced Rates after April 21 Snag

Operators shut the steam turbine on April 21, and Husky Energy said today that the work could stretch four to five weeks. The shutdown slowed rates at an associated gasoline-producing fluid catalytic cracker unit (FCC), the company said.

Bloomberg News, 12:29 April 27, 2009

Update: Alon's 53,000 b/d Paramount, California Refinery Returns to near-Normal Operations by April 26—Explosion Caused Reduction on April 22

Alon returned its 53,000 b/d Paramount, California refinery to near-normal production by April 26, just four days after a hydrotreater heater explosion forced a reduction, the company said.

Reuters, 17:01 April 26, 2009

Saudi Arabian Oil Production Capacity to Reach 12 Million b/d by June 2009—Fields Will be Ready for Service, but May Stay Offline, Depending on Demand

Saudi Arabia expects to open two new oilfields and expand one other by June 2009, boosting its oil output capacity by about 1.55 million b/d, to a total 12 million b/d, a company official said. The nation expects to produce 1.2 million b/d at its Khurais oilfield and 100,000 b/d at its Nuayyim field, and plans to increase output by 50 percent, to 750,000 b/d, at the Shaybah oilfield, the official said. The fields will be ready for production, but will remain offline until demand warrants their start-ups, he said. Saudi Arabia is already producing beneath its stated capacity.

Bloomberg News, 10:28 April 27, 2009

Reuters, 08:02 April 27, 2009

Citing Lagging Prices, Perenco Postpones Plans for 100,000 b/d Lot 67 Oilfield in Peru by Two Years

Perenco plans to begin production by 2013, or two years later than previously planned.

Reuters, 14:31 April 24, 2009

Occidental Petroleum, Mubadala Development Plan 100,000 b/d Production at Existing 30,000 b/d Oilfield in Bahrain

The companies expect to produce 75,000 b/d of oil within five years, and eventually ramp output to 100,000 b/d.

<http://www.platts.com/Oil/News/8518864.xml?p=Oil/News&sub=Oil>

http://www.rigzone.com/news/article.asp?a_id=75474

Natural Gas

El Paso Lifts Force Majeure along Southern Natural Gas Pipeline System in Gulf of Mexico April 24—Leak Investigation Forced Shut about 42 MMcf/d of Capacity

El Paso lifted a force majeure along its 18-inch West Delta 105 natural gas pipeline after divers discovered that a reported leak had not affected the company's system. El Paso had shut in about 42 MMcf/d of capacity along the line, beginning April 24, to investigate the leak. Sources did not identify the actual source of the leak.

Reuters, 16:17 April 24, 2009

Reuters, 13:20 April 24, 2009

<http://ixsnp.sonetpremier.com/ebbSNG/Notices/NoticeView.asp?sPipelineCode=SNG&sSubCategory=C&sNoticeId=27739&sIdentifier=04/23/2009#4>

<http://ixsnp.sonetpremier.com/ebbSNG/Notices/NoticeView.asp?sPipelineCode=SNG&sSubCategory=C&sNoticeId=27743&sIdentifier=04/24/2009#4>

Midcontinent Express Pipeline Begins Interim Service along Phase I, 266-mile, Texas-to-Louisiana, 42-inch Natural Gas Pipeline

<http://intelligencepress.com/>

Other News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
April 27, 2009			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	48.73	46.25	120.47
NATURAL GAS Henry Hub \$/Million Btu	3.31	3.47	10.58

Source: Reuters

Energy Notes

Storm Cuts Power to About 15,000 Customers in Texas April 27

<http://www.nbcdfw.com/weather/stories/Spring-Storm-Leaves-15000-Without-Power.html>

Transmission Line Snag Cuts Power Briefly to about 12,000 Dominion Virginia Power Customers in Virginia April 24

http://www.newsvirginian.com/wnv/news/local/article/power_restored_to_12000_in_waynesboro_fishersville_area/39256/

Westar Energy Reports 10,405 Customers Without Power in Kansas April 27—Company Restores Nearly all Customers, as of Latest Reports

<https://www-11.westarenergy.com/outagemaps/outagetable.asp>

Tampa Electric Completes Construction on Dual 60 MW Bayside Gas-fired Peaker Units 5 and 6 in Florida

<http://finance.yahoo.com/news/Tampa-Electric-Completes-bw-15038548.html?v=1>

Sunoco Shuts Crude Unit, FCC at 335,000 b/d Philadelphia, Pennsylvania Refinery, Citing Market Conditions

<http://philadelphia.bizjournals.com/philadelphia/stories/2009/04/20/daily42.html?s=>

Employee Falls, Dies During Work to Expand Marathon's 256,000 b/d Garyville, Louisiana Refinery April 23

<http://www.reuters.com/article/rbssEnergyNews/idUSN2649631320090426>

Update: Chevron Keeps Offline About 7,500 b/d of Oil Production in Cook Inlet, Alaska, on Mount Redoubt Volcanic Activity—Company Expects Complications to Keep Some Crude Output Permanently Offline

http://www.rigzone.com/news/article.asp?a_id=75471

Firefighters Extinguish Fire at Webb Oil Fuel Transfer Station in Alabama April 23

<http://www.whnt.com/news/sns-ap-al--fuelfire.0.7805481.story>

Yemeni Coastguard Free Hijacked Qana Oil Tanker, Arrest Pirates by April 27—Vessel Contained no Oil at Time of Incident

<http://www.guardian.co.uk/world/2009/apr/27/yemen-coastguard-tanker-arrests-pirates>

More than 9,000 Underground Storage Tanks Leaking in Michigan—News Source

<http://www.chicagotribune.com/news/chi-ap-mi-undergroundtanks.0.7725478.story>

North Dakota Officials to Present Study in Support of Oil Pipeline from North Dakota to Saskatchewan, Canada

<http://www.kxmc.com/News/367095.asp>

BP Investigates Leaking Propane Pipeline in Ohio by April 25

Bloomberg News, 06:20 April 25, 2009

Virginia's Air Pollution Control Board Orders State to Take Air Samples after Environmentalists Claim Coal Truck Dust Creates Health Risk

<http://wjz.com/virginiawire/22.0.html?type=local&state=VA&category=n&filename=VA--CoalTruckDust.xml>

Wespac Energy Group Plans Wilmington-to-Los Angeles Underground Jet Fuel Pipeline in California

http://www.contracostatimes.com/california/ci_12231330?nclick_check=1

Update: Interior Secretary Calls Rule Enabling Mountaintop Coal Mining “Bad Policy,” Says he Will ask Justice Department to Challenge Bush Administration Decision

Reuters, 13:14 April 27, 2009

HydroGenetics' Buffalo Biodiesel Expands Biodiesel Production Capacity from 1 MMGal/Yr. to 5 MMGal/Yr. at New York Facility

MKW, 17:01 April 24, 2009

Update: TransCanada Begins Pre-filing Process with FERC for Planned Natural Gas Pipeline from Alaska to Lower States April 23

<http://www.webcenter11.com/news/state/story/TransCanada-seeks-feds-OK-for-future-pipeline-work/We8lzB0jbEuYIXVwArZG0Q.csp>

Update: WIC Expects to Complete Repairs at Douglas Compressor Station by May 3, 2009, and Lift Force Majeure along Reduced Medicine Bow Natural Gas Pipeline in Wyoming

<http://ebb.cigco.com/ebbCIG/Notices/NoticeView.asp?sPipelineCode=CP&sSubCategory=Critical&sNoticeId=843>

Libya to Produce 2 Million b/d of Oil in 2009, 3 Million b/d by 2012—State Oil Official
Reuters, 07:35 April 25, 2009

Enbridge Pipelines Reports Minor Leak along 20-inch Grapeland Natural Gas Pipeline in Texas April 24

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123330>

Multiple Turbine Shutdowns at Goldsmith Gas Plant in Texas April 24-27

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123390>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123384>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123379>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123378>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123290>

Tube Failure, Flaring at Javelina Gas Processing Facility in Texas April 24

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123376>

Piping Failure Forces Shut Big Lake Gas Plant in Texas April 24

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123380>

Sensor Malfunction Shuts Units, Triggers Flaring at West Waddell Compressor Station in Texas April 26

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=123385>

Reclaimed Resources Plans Waste-to-Ethanol Plant in Tennessee or Virginia

http://www.tricities.com/tri/news/local/article/plant_would_use_new_technology_to_reclaim_waste/23384/

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

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