



ENERGY ASSURANCE DAILY

Tuesday Evening, June 25, 2013

Major Developments

Severe Storms Cut Power to Nearly 489,000 Utility Customers in Iowa, Illinois, Indiana, and Michigan June 24

Severe, fast-moving thunderstorms struck Iowa, Illinois, Indiana, and Michigan Monday evening, knocking out power to 488,796 customers as wind gusts in excess of 80 mph damaged utility poles and downed electric lines. Utilities serving the area made steady progress restoring power on Tuesday, and as of 3:00 p.m. EDT today 107,130 customers remained without power. The potential for additional powerful storms in the region this afternoon and this evening may delay current restoration efforts and cause additional outages. Chicago was hardest hit by the storms Monday, where ComEd reported nearly 300,000 of its customers lost power at the peak of the storm. The utility said Tuesday that it had approximately 500 utility and contractor crews working to restore service to its customers as quickly as possible. Northwestern Indiana was also badly hit by the storms. NIPSCO, which reported 87,000 customers without power at the peak of the storm, said more than 400 of its own and contracted crews from Indiana, Ohio, Michigan, and Missouri were working around the clock to restore power to as many customers as possible Tuesday. Indiana Michigan Power (I&M) said it hoped to fully restore power to all its affected customers by 6:00 p.m. local time Wednesday. MidAmerican Energy, which serves customers in Iowa and Illinois, estimated it could be 24 to 36 hours before it fully restores power to its customers. The utility had to recall to Iowa 25 MidAmerican crews it sent to Minnesota over the weekend to assist with restoration efforts there.

<https://www.comed.com/customer-service/outage-information/Pages/storm-center.aspx>

<http://www.nipSCO.com/en/stormcenter>

<https://www.indianamichiganpower.com/outages>

<http://qctimes.com/news/local/more-than-without-power-in-q-c>

Midwest Customer Power Outages			
June 24-25			
Electric Utility	State	Peak	Latest Reported
MidAmerican Energy	IA	30,951	634
ComEd	IL	300,000	50,770
MidAmerican Energy	IL	24,600	8,457
Kankakee Valley REMC	IN	4,245	0
NIPSCO	IN	87,000	24,969
Indiana Michigan Power	IN/MI	36,000	22,043
Midwest Energy Cooperative	MI	6,000	257
TOTAL*		488,796	107,130

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

Sources:

<http://www.midamericanenergy.com/storm/OutageWatch/MECOutageWatch.aspx>

<http://qctimes.com/news/local/more-than-without-power-in-q-c>

<https://www.comed.com/layouts/comedsp/OutageMap.aspx>

<http://www.suntimes.com/severe-thunderstorm-chicago-area-metra-halts-trains-on-three-lines.html>

<http://www.midamericanenergy.com/storm/OutageWatch/MECOutageWatch.aspx>

<http://wqad.com/2013/06/24/storms-knock-out-power-to-more-than-25000-in-quad-cities-area/>

<http://www.nwitimes.com/thousands-remain-without-power-after-gusty-storms>

<http://www.nipSCOoutages.com/WSSNisourceOutageMap/outagemap.html?action=city&reloaded=true>

<https://www.indianamichiganpower.com/outages>

<http://ebill.teammidwest.com/oms/outageMap>

<http://www.wsbt.com/storm-sweeping-through-michiana-20130624.0.5252946.story>

Update: ENMAX Restores Power to Half of Flooded Downtown Calgary by June 25

The Calgary Emergency Management Agency on Tuesday morning said that four out of seven of Calgary's core downtown power zones have had their power restored as of 7:00 a.m. MT today. Canadian utility ENMAX reported that following inspections by City officials, it had restored power to most buildings in the northwest portion of the downtown core by 3:40 p.m. local time Monday. A comparatively small number of individual buildings may still be without power because of specific electrical or structural issues. The area where power has been restored will allow business tenants to return to assess possible damage to their businesses.

http://www.enmax.com/Corporation/Media+Room/Whats+New/2013_Calgary.htm

<http://www.cbc.ca/news/canada/calgary/story/2013/06/24/calgary-downtown-power-transit-restore-w.html>

TransAlta Repairs Transformer Damaged by Floodwaters at Its 36 MW Cascade Hydro Power Facility in Alberta June 23

TransAlta on Sunday reported that it repaired a damaged transformer at its 36 MW Cascade hydro power facility in Banff National Park, restoring power to the towns of Banff and Lake Louise on Sunday. The facility is located approximately 130 kilometers west of the City of Calgary, in a region that sustained heavy rainfall and flooding over the weekend. On Saturday, water that needed to be released from the Cascade facility backed up along the Trans-Canada Highway adjacent to the facility and flowed over the highway, closing the highway between Banff and Canmore. This water also came into contact with a transformer at the facility, which failed. The transformer failure cut power from the facility to Banff and Lake Louise. Initial response efforts focused on reducing the levels of the backed up water around the transformer, in order to allow safe access for workers to begin repairs.

<http://www.transalta.com/2013-06-23/power-restored-banff-and-lake-louise-following-completion-repair-w>

Update: Enbridge Restarts Section of 345,000 b/d Athabasca Crude Pipeline in Alberta June 23; Line 37, 600,000 b/d Waupisoo, and "Various Other" Pipelines Remain Shut for Assessments June 24

Enbridge Pipelines (Athabasca) Inc., a subsidiary of Enbridge Inc., on Monday confirmed its operators restarted the 345,000 b/d Athabasca Pipeline (Line 19) between Cheecham and Hardisty, Alberta at 11:00 p.m. MDT on Sunday. The line segment north of Cheecham remains shut down until Enbridge can ensure its safe restart. Enbridge shut the Athabasca line and the 600,000 b/d Waupisoo pipeline as a precaution on Saturday after its 12-inch Lake Lateral Pipeline (Line 37) leaked synthetic oil on the ground 2 kilometers north of Enbridge's Cheecham Terminal, which is about 70 kilometers southeast of Fort McMurray. Initial estimates place the volume of the release at approximately 750 barrels. While the cause of the leak has not yet been confirmed, unusually heavy rainfall in the region is believed to have resulted in ground movement on the right-of-way that may have impacted the pipeline. Enbridge shut down and isolated its Line 37 pipeline north of Cheecham, Alberta, at 5:21 a.m. MDT Saturday, and said Monday that it was assessing Line 37 and "various other pipelines" within its oilsands regional system that remain shut down and mitigating any risk to determine when they may be restarted. The Waupisoo Pipeline from Cheecham to Edmonton was undergoing an assessment Monday and may be cleared for restart as early as today. The remaining lines into Cheecham, other than the damaged Long Lake lateral, are undergoing geotechnical assessments and Enbridge is hopeful they may be returned to service over the next several days when these assessments are completed. Given extremely wet conditions, an extended period may be required to repair Line 37, and other options to support the Long Lake project's requirements are being evaluated.

<http://www.enbridge.com/MediaCentre/News.aspx?yearTab=en2013&id=1734524>

Suncor Says It's Temporarily Reducing Fort McMurray Output Due to Enbridge Pipeline Shutdowns in Alberta June 24

Suncor Energy Inc. on Monday said it has temporarily reduced production from its Fort McMurray operations in Alberta as a result of the shutdown of the Enbridge Inc. pipeline system within the region. The company is using existing storage capacity and moving volume on its Oil Sands pipeline to mitigate the impact while it works with Enbridge to bring the pipelines back online, a Suncor official said. Enbridge shut its 345,000 b/d Athabasca and 600,000 b/d Waupisoo crude oil pipelines, as well as other pipelines within its oilsands regional system on Saturday after approximately 750 barrels of synthetic oil spilled from the smaller, 12-inch Line 37. Enbridge restarted the southern section of the Athabasca pipeline on Sunday, while the other pipelines remain shut for assessments. Suncor is in communication with customers that may be impacted. At this time, Suncor does not anticipate an impact on its ability to meet annual production guidance.

<http://www.reuters.com/article/2013/06/25/pipeline-suncor-idUSL2N0F021X20130625>

<http://www.marketwire.com/press-release/suncor-energy-reduces-production>

Update: Nearly 14,600 Xcel Customers Remain without Power in Minnesota after Weekend Storms

Xcel Energy on Tuesday reported that its crews, contractors, and mutual aid responders were continuing to restore electricity service in the Twin Cities metro area in the wake of storms that knocked out power to 588,000 Minnesota customers. (A spokesman quoted by media in reports yesterday indicated that the weekend's storms, which struck parts of the Dakotas, Minnesota, and Wisconsin, had affected 616,500 Xcel customers since Friday.) As of 2:30 p.m. EDT today, Xcel reported 14,599 customers remained without power. Xcel Energy expects to restore power to the vast majority of customers by noon Wednesday.

http://www.xcelenergy.com/Xcel_Energy_makes_good_progress_restoring_in_Minnesota

http://www.xcelenergy.com/Outages/Report_a_Problem/Outage_Map/Outage_Map

<http://www.kare11.com/news/article/1029831/391/Xcel-says-23000-still-without-power>

Severe Storms Cut Power to 52,000 OPPD and 7,000 MidAmerican Customers in Nebraska June 24

Severe storms cut power to 52,000 Omaha Public Power District (OPPD) customers in the Omaha area on Monday. As of 2:45 p.m. EDT today, OPPD reported 4,499 customers remained without power. Crews from Nebraska Public Power District, Lincoln Electric System, and Southern Power District are assisting with repairs. OPPD estimates it will restore power to the vast majority of customers by 11:00 p.m. local time Wednesday. MidAmerican Energy reported Tuesday that it had restored power to the approximately 7,000 customers in Council Bluffs that lost electricity in the wake of the storm.

<http://ww3.oppd.com/pom/default.aspx>

<http://www.ketv.com/thousands-without-power-as-storm-moves-through>

<http://www.omaha.com/article/20130624/NEWS/130629838/1694>

TVA's 1,118 MW Browns Ferry Nuclear Unit 3 in Alabama Reduced to 80 Percent by June 25

On the morning of June 24 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Update: FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Ramped Up to 97 Percent by June 25

Perry 1 is returning from an outage that began June 16, when operators shut the plant to fix a coolant leak at the base of a vent line on the 'B' Reactor Recirculation Flow Control Valve. Operators restarted the unit by June 21.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi Reduced to 61 Percent by June 25

On the morning of June 24 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Calpine's 593 MW Metcalf Natural Gas-Fired Unit in California Returns to Service by June 24

The unit returned from an unplanned curtailment of 148 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201306241515.html>

Update: EDF EN Canada and Enbridge Dedicate 150 MW Massif du Sud Wind Project in Quebec June 20

EDF EN Canada Inc. and Enbridge Inc. dedicated its 150 MW Massif du Sud wind project June 20. Construction on the project started in November 2011, and commercial operations began on January 18 of this year. Massif du Sud comprises 75 1.5-MW Repower wind turbines. Hydro-Quebec has purchased the power under a 20-year power purchase agreement. Located in the municipalities of Saint-Luc-de-Bellechasse and Saint-Magloire in the MRC des Etchemins and in the municipalities of Notre-Dame-Auxiliatrice-de-Buckland and Saint-Philémon in the MRC de Bellechasse, Massif du Sud generates enough clean electricity to meet the needs of about 35,000 homes.

In total, EDF EN Canada will develop and build 1,003.2 MW in the province over the next three years.

<http://www.enbridge.com/MediaCentre/News.aspx?yearTab=en2013&id=1733680>

Petroleum

Update: Shell Says Boiler Trip at Its 156,400 b/d Martinez, California Refinery Last Week Forced FCCU Shutdown

Royal Dutch Shell Plc reported the fluid catalytic cracking unit (FCCU) at its Martinez refinery was taken out of service after a boiler trip on June 19 and was expected to be down for 5–6 days, according to a filing from Contra Costa County regulators. All three boilers at the plant were shut after the upset, according to the filing. Operators had reported the boiler trip last week but said they were unsure what operational impact the malfunction may have caused.

<http://www.bloomberg.com/news/2013-06-24/los-angeles-gasoline-at-two-week-low-as-tesoro-completes-work.html?cmpid=yhoo>

Flint Hills Restarts Unspecified Units at Its 280,500 b/d Saint Paul, Minnesota Refinery by June 24 after June 21 Power Outage

Flint Hills Resources LLC restarted units at its Saint Paul, Minnesota refinery following a June 21 power outage, news media reported Monday.

<http://www.bloomberg.com/news/2013-06-24/midwest-spot-gasoline-strengthens-on-refinery-upsets.html?cmpid=yhoo>

Penn West Exploration Reports Produced Water Spill in Central Alberta June 19

Penn West Exploration on Sunday announced that on June 19 operators identified a failure in a produced water pipeline in the company's Slave field near Red Earth, Alberta, which is approximately 170 kilometers east of Peace River, Alberta. The pipeline was immediately shut-in and isolated, and required regulatory authorities and First Nation Communities were notified. Penn West responders were immediately dispatched to the site, the spill was contained, and remediation efforts are underway. The release of produced water is estimated to be in the range of 400–600 cubic meters. The cause of the release has not been confirmed. On Sunday, local media reported that a pipeline operated by Penn West had leaked more than 5,000 liters of oil in northern Alberta, and that clean-up efforts were being hampered because flooding and power outages at the company's headquarters in Calgary were disrupting communications. The Lubicon Lake First Nation says Penn West believes the spill took place on Saturday evening.

<http://pennwest.mediaroom.com/index.php?s=27585&item=135193>

<http://www.globalpost.com/the-canadian-press/130623/pennwest-pipeline-spills-more-5000-litres-oil-northern-alber>

Natural Gas

Turbine Shuts During Repairs at DCP Midstream's 160 MMcf/d Goldsmith Gas Plant in Texas June 21

While DCP Midstream was in process of conducting repairs to the 'B' turbine oil cooler at its Goldsmith gas plant in Texas on Friday, the turbine shut down on high gearbox oil temp, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184567>

Southern Union Shuts SRU at Its 140 MMcf/d Keystone Gas Plant in Texas Due to Scrubber Problems June 22

Southern Union had to shut down a sulfur recovery unit at its Keystone gas plant Saturday because the liquid knock out scrubber was not draining, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184573>

Equipment Failure Shuts AGI Units at Enbridge's Tilden Gas Plant in Texas June 22

Enbridge reported both acid gas injector (AGI) units at its Tilden plant went down due to equipment failure Saturday, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=184579>

Other News

Obama Announces Climate Plan to Reduce Carbon Emissions, Bolster Renewable Energy; Says State Dept. Should Be Confident Keystone XL Pipeline Won't Increase Emissions

President Barack Obama on Tuesday announced his administration is proposing a sweeping plan to address climate change today that sets goals to reduce carbon emissions and bolster renewable energy while also preparing the country for the impacts of a warming planet. Obama also addressed TransCanada Corp.'s Keystone XL pipeline, which is being opposed by environmentalists, saying the U.S. State Department, which is reviewing the cross-border project, shouldn't approve the pipeline unless the agency is confident the pipeline won't increase net greenhouse gas emissions.

<http://www.whitehouse.gov/sites/default/files/image/president27sclimateactionplan.pdf>

<http://www.bloomberg.com/news/2013-06-25/obama-unveils-climate-plan-to-curb-power-plant-emissions.html>

International News

Update: Oil Exports Still on Hold From Iraq's Northern Kirkuk Oil Fields June 24

The Iraq ministry said Monday that exports of crude oil from the northern Kirkuk oil fields was on hold since Friday, June 21, due to an explosion at Iraq's 350,000 b/d Kirkuk-Ceyhan pipeline. Militants have previously targeted the export pipeline, which runs through northern Iraq. Bomb attacks on June 4 halted flow but didn't stop exports were because there was sufficient oil available in storage. Iraq exported 273,000 b/d that month due to that damage. The ministry also said exports were down in May due to bad weather.

http://www.zawya.com/story/Iraq_Northern_oil_exports_on_hold_since_Friday_shippers-ZW20130624000051/

<http://www.foxnews.com/world/2013/06/23/iraq-oil-exports-dip-on-weather-sabotage/>

Iraq Says 2013 Oil Production Target Within Reach While 2014 Target Will Be Difficult

Iraqi oil officials said Friday that Iraq's oil output target of 3.4 million b/d for 2013 is still within reach, even with flows holding at 3 million b/d in the first half of the year. This goal is down from the initial target of 3.7 million b/d. However, officials do not think Iraq will reach its 4.5 million b/d goal for 2014, given infrastructure and logistical constraints. Flow is expected to rise in 2014, but BP's chief executive said production of 3.8 to 4 million b/d is more achievable.

<http://www.reuters.com/article/2013/06/21/iraq-oil->

[idUSL5N0EX1OU20130621?feedType=RSS&feedName=rbssEnergyNews&rpc=43](http://www.reuters.com/article/2013/06/21/iraq-oil-idUSL5N0EX1OU20130621?feedType=RSS&feedName=rbssEnergyNews&rpc=43)

Total Gets Approval to Develop 200,000 b/d Offshore Egina Field on Block OML 130 in Nigeria

The Nigerian National Petroleum Corporation awarded approvals to Total Upstream Nigeria Limited (TUPNI), a subsidiary of Total, to begin developing Egina Field on Block OML 130 in Nigeria. The Egina field, discovered in 2003, is located approximately 200 kilometers (124 miles) from Nigeria's oil capital of Port Harcourt. The development plan calls for 44 wells connected to a 330 meter-long floating production, storage and offloading vessel with a storage capacity of 2.3 million barrels. The design includes capacity for future developments of nearby discoveries. TUPNI expects to produce oil at the end of 2017, with output reaching 200,000 barrels of oil per day.

<http://www.total.com/en/about-total/news/news-940500.html&idActu=2977>

<http://finance.yahoo.com/news/total-developing-oil-field-off-133005258.html>

Update: Shell Announces Plans to Improve Safety of 150,000 b/d Trans-Niger Pipeline Following Theft, Explosion

Royal Dutch Shell PLC said June 21 that it plans to invest \$3.9 million in the Niger Delta, in part to improve the safety of its 150,000 b/d Trans-Niger pipeline that was shut down June 19 following an explosion and fire at a crude theft point on the 28" section of the facility at Bodo West in Ogoniland. The company's Nembe Creek oil pipeline in Bayelsa State, which is of similar size, had already been shut due to a similar incident. Total oil theft in Nigeria is estimated to be \$7 billion annually. The pipeline will be improved by being re-routed so that it runs through swampy areas or underwater, instead of over land, making it more difficult for thieves to reach it. According to the company, the venture will spend an additional \$2.4 billion on a series of five gas supply and infrastructure projects, also in the eastern part of the delta. The company estimates that they will have an expected peak production that will be the equivalent of 215,000 b/d.

<http://www.reuters.com/shell-nigeria>

<http://www.shell.com/news-and-media-releases/2013/spdc-sets-out-future-intent-for-nigeria.html>

Energy Prices

U.S. Oil and Gas Prices			
June 25, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	95.26	97.71	77.94
NATURAL GAS Henry Hub \$/Million Btu	3.66	3.78	2.50

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 & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

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

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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

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