



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

ENERGY ASSURANCE DAILY

Thursday Evening, March 31, 2011

Major Developments

Storms Knock Out Power to More than 416,000 Customers in Florida March 30-31

Thunderstorms cut electricity to an estimated 416,746 customers in Florida on March 30-31, multiple news and company sources reported. Some 169,714 customers remained without power, as of latest reports.

Florida Customer Power Outages March 30 – 31, 2011			
Electric Utility	State	Peak	Latest Reported
Progress Energy	FL	250,000	67,754
TECO	FL	88,996	88,996
FPL	FL	45,000	6,000
Orlando Utilities Commission	FL	25,000	1,727
Sumter Electric Cooperative	FL	2,900	2,178
Withlacoochee River Electric Cooperative	FL	2,050	2,050
JEA	FL	1,800	9
Ocala Utility Service	FL	1,000	1,000
TOTAL *		416,746	169,714

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

Sources:

Progress Energy: <http://www.progress-energy.com/shared/outages/fla/default.aspx> ,

<http://twitter.com/progressenergy> ,

<http://www.ocala.com/article/20110331/ARTICLES/110339947/1001/NEWS01?Title=Storms-cause-power-outages-for-thousands-in-Marion-County>

Tampa Electric: <http://www.tampaelectric.com/outagemap/> ,

<http://suncoastpinellas.tbo.com/content/2011/mar/31/311413/front-brings-more-rain-to-the-area-today/news/>

FPL: <http://www.cfnews13.com/article/news/2011/march/225125/Another-shot-of-severe-thunderstorms-heading-for-Central-Florida> , <http://www.fox59.com/news/nationworld/os-thursday-power-outages-20110331.0.99057.story>

Orlando Utilities Commission: <http://gis.ouc.com/outagemap/> , <http://www.wftv.com/news/27381316/detail.html>

Sumter Electric Cooperative: <http://www.secostormcenter.com/summary.htm> ,

<http://www.cfnews13.com/article/news/2011/march/225668/Tornado-Warning-on-Space-Coast-as-severe-storms-rip-across-Florida>

Withlacoochee River Electric Cooperative: <http://www.tampabay.com/news/weather/squall-leaves-thousands-without-power-in-pasco/1160740>

JEA: <http://externalapps.jea.com/currentoutages/CurrentOutages.asp> ,

<http://www.firstcoastnews.com/news/article/198732/3/NEW-VIDEO-Downed-Power-Line-Sends-Sparks-into-the-Air>

Ocala Utility Service:

<http://www.ocala.com/article/20110331/ARTICLES/110339947/1001/NEWS01?Title=Storms-cause-power-outages-for-thousands-in-Marion-County>

Electricity

Dynegy's 335 MW El Segundo Gas-Fired Unit 3 in California Shut by March 30

According to the California Independent System Operator, the unit reported an unplanned outage by March 30.

<http://www.caiso.com/unitstatus/data/unitstatus201103301515.html>

Update: Cabrillo Power's 106 MW Encina Gas-Fired Unit 1 in California Returns to Service by March 30

According to the California Independent System Operator, the unit reported a return from an unplanned outage.
<http://www.caiso.com/unitstatus/data/unitstatus201103301515.html>

Update: PSE&G's 1,096 MW Salem Nuclear Unit 1 in New Jersey at Full Power by March 31

The Nuclear Regulatory Commission reported that on the morning of March 30 the unit was operating at 90 percent. Information derived from the NRC Power Reactor Status Reports:

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

Petroleum

Update: After Early-Week Power Outage, Sunoco Continues to Operate 178,000 b/d Marcus Hook, Pennsylvania at Reduced Rates March 31

Sunoco was operating the refinery at reduced rates on March 31, a source familiar with the facility's operations said, due to issues with the power recovery train at the gasoline-producing fluid catalytic cracking unit (FCC). The facility experienced a brief power disruption on March 28, a state official said previously.

<http://www.bloomberg.com/news/2011-03-29/sunoco-powering-up-marcus-hook-units-after-power-failure-1-.html?cmpid=yahoo>

Reuters, 08:41 March 31, 2011

Oil Inventories Surge to Record 41.9 Million Barrels at Cushing, Oklahoma Storage Hub during Week Ended March 25: EIA

Crude oil for May delivery slid 52 cents to \$104.27 per barrel on the New York Mercantile Exchange (NYMEX) yesterday as the Energy Information Administration (EIA) said crude oil inventories at the Cushing, Oklahoma storage hub had surged 1.7 million barrels to an all-time record of 41.9 million barrels during the week ended March 25.

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

http://www.rigzone.com/news/article.asp?a_id=105661

SemGroup Subsidiary to Construct 1.95 Million Barrels of Additional Crude Oil Storage at Cushing, Oklahoma Terminal

The project would include seven 250,000 barrel crude oil tanks and two 100,000 barrel crude oil tanks. The new tanks are expected to be completed mid-year 2012.

<http://ir.semgroupcorp.com/phoenix.zhtml?c=235216&p=irol-newsArticle&ID=1544545&highlight=>

Natural Gas

Unspecified "Incident" Leads Enbridge's Stingray Pipeline Company to Declare Force Majeure along 650 MMcf/d Natural Gas Pipeline in U.S. Gulf of Mexico March 31

A "pipeline incident" along a Triton Gathering-owned 12-inch lateral forced offline the West Cameron 62 production platform in the U.S. Gulf of Mexico and led Enbridge's Stingray Pipeline Company to declare force majeure along its associated 650 MMcf/d, 36-inch, 325-mile natural gas pipeline, according to an online posting. The Stingray pipeline delivers natural gas from multiple offshore fields to onshore connections in Louisiana, Enbridge's website says.

<http://apps.enbridgeus.com/ENotices/NoticeEntryPage.aspx?selnoticecode=stry201190.101450>

M3 Midstream LLC Plans 730 MMcf/d, 130-Mile Natural Gas Pipeline System in Pennsylvania and West Virginia

The project, or Appalachia Gathering System, would service dry gas production areas in northern West Virginia and southwestern Pennsylvania. It would include approximately 130 miles of large-diameter gathering pipeline, be equipped to deliver up 730 MMcf/d of gas, and provide access to multiple pipelines in the region. Construction efforts are underway and the company plans to begin providing gathering services in early 2012.

<http://www.prnewswire.com/news-releases/momentum-announces-appalachia-gathering-system-in-the-marcellus-shale-118981039.html>

Other News

Update: Tokyo Electric Power to Install Temporary Equipment in Bid to Stop Radioactive Water from Reaching Ocean near Fukushima Daiichi Nuclear Power Plant in Japan

Tokyo Electric Power plans to install 6,000 tons of water storage tanks, 4,000 tons of storage ponds, and a water processing facility in a bid to stop radioactive water from spilling into the ocean near its earthquake-and-tsunami-damaged Fukushima Daiichi nuclear power plant in Japan, the company said on March 31. The water processing facility is scheduled to be finished by late April, according to a company spokesman. Workers, meanwhile, continued their fight to prevent multiple units from melting down at the facility, as of latest reports. Only two of the site's six reactors were considered stable, Reuters reported on March 31. Tohoku Electric Power, separately, said today that it planned to perform safety upgrades and restart two nuclear power plants in Japan. The company shut its Onagawa facility after the earthquake; a separate plant in Higashidori was offline prior to the disaster.

DJN, 12:30 March 31, 2011

DJN, 12:25 March 31, 2011

Reuters, 02:06 March 31, 2011

Energy Prices

U.S. Oil and Gas Prices			
March 31, 2011			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	105.83	104.62	83.09
NATURAL GAS Henry Hub \$/Million Btu	4.25	4.18	3.79

Source: Reuters

Energy Notes

Thunderstorms Cut Power to 13,000 Entergy Customers in Louisiana March 29 – Only Scattered Outages Remain, as of Latest Reports

<http://viewoutage.entergy.com/nola.aspx>

http://www.nola.com/news/index.ssf/2011/03/entergy_says_most_power_should.html

Dominion Virginia Power to Study Potential for High-Voltage Underwater Transmission Line from Virginia Beach, Virginia into Atlantic Ocean – Line Could Potentially Support Multiple Offshore Wind Farms

<http://dom.mediaroom.com/index.php?s=43&item=974>

Fire Extinguished after Explosion at Tullos Operating Group's Crude Oil Storage Facility in Jones County, Mississippi March 31

<http://www.wdam.com/Global/story.asp?S=14357118>

Infrastructure Limitations to Prevent Iraq from Boosting Oil Production beyond 5.35 Million b/d by 2017, IMF Says – Iraq Aims to Raise Output to 13 Million b/d by 2017

http://www.upi.com/Science_News/Resource-Wars/2011/03/31/Iraq-upbeat-on-oil-but-concerns-exist/UPI-19041301573571/

Update: El Paso's Tennessee Gas Completes Repairs, Lifts Force Majeure along Natural Gas Pipeline Segment in Agua Dulce, Texas March 30 – Company Declared Force Majeure Due to Possible Damage from Third-Party Accident March 28

<http://tebb.epenergy.com/ebbmasterpage/Notices/NoticesAutoTable.aspx?code=TGP&name=Tennessee%20Gas%20Pipeline%20Company%20-%20Notice%20Text&status=Notice&sParam1=TGP&sParam2=D&sParam4=137204&sParam9=D&details=Y>

<http://tebb.epenergy.com/ebbmasterpage/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>

Operators to Shut AGI Compressor for Pressure Gauge Repair at Waha Gas Plant in Texas March 30

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=152642>

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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