

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Gulf Coast Hurricanes Situation Report #33
November 1, 2005 (3:00 PM EST)**

HIGHLIGHTS

- There are 708,483 customers without power in Florida as of 3:00 PM EST 11/1 due to Hurricane Wilma, down from a peak of about 3.6 million customers. Currently, about 8 percent of the customers are without power in the state.
- DOE staff are no longer at the Regional Response Coordination Center (RRCC) in Atlanta, Georgia, pursuant to Hurricane Wilma. Staff are now positioned at the Joint Field Office in the Orlando, FL. DOE staff remain at the New Orleans Area Field Office and Joint Field Office in Baton Rouge.

ELECTRICITY INFORMATION

STATE REPORTS

Florida

- As of 3:00 PM EST 11/1, there are 708,483 customers without power in Florida due to Hurricane Wilma.

Florida Power & Light Outage Data: Hard Hit Counties*

County	Customers w/o Power	Total Customers Restored	Total Customers Affected	% Customers Restored	Estimated Completion for Restoration
Broward	292,700	570,100	862,800	66%	Nov. 13
Collier	6,000	163,600	169,600	96%	Nov. 3
Hendry	200	8,300	8,500	98%	Nov. 3
Lee	5,100	189,800	194,900	97%	Nov. 3
Martin	7,400	77,200	84,600	91%	Nov. 4
Miami-Dade	205,900	750,600	956,500	78%	Nov. 8 - 13
Palm Beach	171,900	491,600	663,500	74%	Nov. 12 – 13
St. Lucie	2,700	100,200	102,900	97%	Nov. 4

* Data is from 3:00 PM 11/1 FL EOC report.

Florida Utility Outage Data: Hard Hit Utilities*

County	Customers w/o Power	Total Customers	% Customers w/o Power
Florida Power & Light	691,900	4,343,095	16%
Municipals	16,500	1,268,280	1%
“Total Customers” includes companies with low number of outages not included in Table	708,483	9,138,533	8%

* Data is from 3:00 PM 11/1 FL EOC report. Total shown for Total Customers column represents all customers in the state.

- Cooperative Utilities have essentially completed restoration with only 83 reported outages as of 3:00 PM 11/1.
- Florida Power & Light reports that 77% of their customers who lost power have now been restored. Work continues by nearly 18,000 workers from 33 states and Canada, which is the largest workforce ever organized in the company's history. FPL has entered the next phase of restoration, which is expected to be slower going due to the heavy damage to smaller lines in individual neighborhoods and the difficulties often found in accessing the areas where repairs need to be made.
- FPL reported that electric service has been restored to 90 percent of the community-designated critical infrastructure such as hospitals, police, fire and other services that are deemed critical to public safety and well being.

Louisiana

- See Entergy's web site for restoration progress by neighborhood in New Orleans: <http://www.entergy-neworleans.com/nola/storms/electric.asp>

OIL AND GAS INFORMATION

- According to MMS (10/31), 1,000,092 barrels of oil per day are shut-in, which equates to 66.67 percent of the normal daily oil production in the Gulf. Shut-in gas production is 5.269 billion cubic feet per day. This shut-in gas production is equivalent to 52.69 percent of the normal daily gas production in the Gulf. Evacuations are equivalent to 26.25 percent of 819 manned platforms and 3.73 percent of 134 rigs currently operating in the Gulf. For further information see MMS web site at www.mms.gov.

Damage to GOM Oil & Gas Infrastructure

Ivan vs. Katrina vs. Rita

	Rita	Katrina	Ivan
Platforms Destroyed	66	47	7
Platforms Extensive Damage	32	20	20
Rigs Adrift	13	6	5
Rigs Extensive Damage	10	9	4
Rigs Destroyed	4	4	1
Rigs Unaccounted For	2 (Missing / Allegedly Sunk - Added in With Destroyed)	0	0
Number of Pipelines Damaged	28	70	102
Shut-in Production High	26-Sep	30-Aug	16-Sep
Gas (BCF)	8.623	9.418	6.515

Oil (bbls)	1,564,679	1,557,981	1,410,002
Cumulative (To Date)	<i>Combined Rita / Katrina</i> 8/26/05 - 11/1/05		9/13/04 - 02/14/05
Gas (BCF)	<i>Combined Rita / Katrina</i> 386.397		172.259
Oil (bbls)	<i>Combined Rita / Katrina</i> 75,664,514		43,841,245
Evacuation Highs			
Platforms	754	660	575
Rigs	107	89	69
Platforms in the Path	1600	1300	150

Source: U.S. MMS, October 31, 2005.

- According to the Louisiana Department of Natural Resources on 11/1, onshore crude oil production in southern Louisiana has reached 95,465 barrels per day, or 47 percent of the region's capacity; natural gas production of 959.4 million cubic feet per day, or 42.9 percent of daily capacity in 38 southern Louisiana parishes, has been restored.
- Shown below is a list of refineries impacted by Hurricane Rita as of October 31. The table highlights only those refineries that are at reduced rates or shut down.

REFINERY IMPACTS FROM HURRICANE RITA

Company	Location	Capacity (B/D)	Status
PORT ARTHUR/ LAKE CHARLES			
Citgo	Lake Charles, LA	324,300	Near full rate
ConocoPhillips	West Lake, LA	239,400	Reduced rate
ExxonMobil	Beaumont, TX	348,500	Reduced rate – expect full production by next week
Motiva	Port Arthur, TX	285,000	Near full rate
Total	Port Arthur, TX	233,500	Near full rate
Total		1,430,700	
HOUSTON/TEXAS CITY			
Lyondell Citgo	Houston, TX	270,200	Reduced rates - FCC remains down
BP	Texas City, TX	437,000	Shut down – gasoline production slated for mid-December; full production by year end/early 2006
Total		707,200	Shut down – 437,000
TOTAL from above		2,137,900	
Exxon Mobil Chalmette – Restarting, expect full production by mid-November			
Two refineries in LA from Hurricane Katrina			

Company	Location	Capacity (B/D)	Status
remain shut down – 367,000 b/d <ul style="list-style-type: none"> • ConocoPhillips Belle Chasse – shut down, full power • Murphy Oil Meraux – Estimate 1st quarter 2006 start up 		367,000	Shut down Total (Katrina + Rita) – 804,000

Sources: Confirmed by company or on company web site. Various trade press sources.

- U.S. Coast Guard reported that it has established a Mobile Vessel Recovery Information Center in Southeastern Louisiana. Marine safety personnel will be available on Monday and Tuesday in Venice, Wednesday and Thursday in Chalmette, and Friday in Slidell, to advise on the salvage and/or removal of a storm-damaged vessel or barge. USCG will not assist in the removal or salvage of recreational vessels unless they create a hazard within a federally maintained and navigable waterway.
- Shown below is a list natural gas pipelines impacted by the Gulf Coast Hurricanes as of November 1.

On-Shore and Off-Shore Pipelines with Reported Supply Issues	Status
ANR	As of Oct. 28, ANR began accepting production from natural gas liquids injectors along the coast southeast from Sabine River (Grand Chenier compressor station). ANR's capacity through Grand Chenier remains 650-MMcf/d.
Columbia Gulf Transmission	Effective Nov. 1, CGT partially rescinded the Force Majeure in effect since Sept. 26 for the Egan Measurement Stations in Acadia Parish (southern Louisiana). Four stations remain unavailable.
Duke Energy Field Services including CIPCO, Seabreeze and Black Lake	CIPCO has minor damage and Black Lake remains shut-in due to lack of supplies.
Duke Energy Gas Transmission	Texas Eastern pipeline has been at capacity. Texas Eastern has restored all 10 storm affected compressor stations to full operational capability.
Enbridge Inc.'s Offshore System, which includes Garden Banks, Manta Ray, Nautilus, Stingray, and MS Canyon	Mississippi Canyon, Manta Ray, and UTOS pipelines are still out of service. UTOS expects to be ready to accept gas & liquid receipts on Nov. 1; Miss Canyon has a Nov. 7 target date.
Enterprise Product Partners	No news since Oct. 6: four GOM area pipelines and four LA natural gas processing plants are not fully operational.
Gulf South – Lake Charles	No critical notices, only reports of scheduled maintenance.
Gulf South – High Island Offshore System	Due to the ongoing storm recovery issues on the connecting pipelines downstream of HIOS, the ANR delivery point is the only one available for HIOS shippers until further notice.
Kinder Morgan	Natural Gas Pipeline operating at capacity with a few pipeline segments at limited capacity.
Sabine	Sabine lifted Force Majeure on interconnects with Sea

On-Shore and Off-Shore Pipelines with Reported Supply Issues	Status
	Robin, Sonat, and Texas Gas.
Southern Union's (Panhandle Energy) Trunkline and Sea Robin	As of Oct. 28, 17 locations are cleared for nominations and flow on the Sea Robin system. Texas Gas Transmission has agreed to waive certain gas quality specifications to allow gas supplies currently shut-in to flow through Sea Robin.
Tennessee Gas	Effective Nov. 1, no restrictions on any points or services.
Williams	Most Williams' facilities have returned to service. The only report of significant damage is Cameron Meadows natural gas processing plant in LA.

(Sources: Company web sites and Trade associations)