

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)  
U.S. DEPARTMENT OF ENERGY  
Gulf Coast Hurricanes Situation Report #34  
November 2, 2005 (3:00 PM EST)**

**HIGHLIGHTS**

- There are 609,143 customers without power in Florida as of 3:00 PM EST 11/2 due to Hurricane Wilma, down from a peak of about 3.6 million customers. Currently, less than 7 percent of the customers are without power in the state.
- BP reports that as of Wednesday, November 2nd, about three quarters of its 190 retail sites in South Florida have reopened.
- 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 11/2, there are 609,143 customers without power in Florida due to Hurricane Wilma.

**Florida Power & Light Outage Data: Hard Hit Counties\***

<b>County</b>	<b>Customers w/o Power</b>	<b>Total Customers Restored</b>	<b>Total Customers Affected</b>	<b>% Customers Restored</b>	<b>Estimated Completion for Restoration</b>
Broward	259,700	603,100	862,800	70%	Nov. 13
Collier	5,300	164,300	169,600	97%	Nov. 2
Martin	5,400	79,200	84,600	94%	Nov. 4
Miami-Dade	199,000	757,500	956,500	79%	Nov. 8 - 13
Palm Beach	124,500	539,000	663,500	81%	Nov. 12 - 13

\* Outage data are from 3:00 PM 11/2 FL EOC report. Estimated restoration dates are from 11:00 AM 11/2 FPL website.

**Florida Utility Outage Data: Hard Hit Utilities\***

<b>County</b>	<b>Customers w/o Power</b>	<b>Total Customers</b>	<b>% Customers w/o Power</b>
Florida Power & Light	594,500	4,343,095	14%
Municipals	14,600	1,268,280	1%
<b>“Total Customers” includes companies with low number of outages not included in Table</b>	<b>609,143</b>	<b>9,138,533</b>	<b>6.7%</b>

Data are from 3:00 PM 11/2 FL EOC report. Total shown for Total Customers column represents all customers in the state.

- Cooperative Utilities have essentially completed restoration with only 43 reported outages as of 3:00 PM 11/2.
- Florida Power & Light reports that over 81% 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 expects 95 percent of customers left without power after Hurricane Wilma to have electric service no later than November 8.

## 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 (11/02), 957,978 barrels of oil per day are shut-in, which equates to 63.86 percent of the normal daily oil production in the Gulf. Shut-in gas production is 5.043 billion cubic feet per day. This shut-in gas production is equivalent to 50.43 percent of the normal daily gas production in the Gulf. Evacuations are equivalent to 25.64 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](http://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
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 - 11/2/05		9/13/04 - 02/14/05
Gas (BCF)	<i>Combined Rita / Katrina</i> <b>391.440</b>		172.259

	<i>Combined Rita / Katrina</i>		
Oil (bbls)	<b>76,622,492</b>		43,841,245
<b>Evacuation Highs</b>			
<b>Platforms</b>	754	660	575
<b>Rigs</b>	107	89	69
<b>Platforms in the Path</b>	1600	1300	150

Source: U.S. MMS, November 2, 2005.

- According to the Louisiana Department of Natural Resources on 11/2, onshore crude oil production in southern Louisiana has reached 97,917 barrels per day, or 48.2 percent of the region's capacity; natural gas production of 1,008 million cubic feet per day, or 45.1 percent of daily capacity in 38 southern Louisiana parishes, has been restored. There are 55 on-shore pipeline operators in the hurricane affected parishes. As of today, 7 operator's facilities were reopened, 32 of the operator's facilities are shut-in, and 16 of the operators experience partial system shut-ins or flow.
- 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
<b>PORT ARTHUR/ LAKE CHARLES</b>			
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	
<b>HOUSTON/TEXAS CITY</b>			
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
<b>TOTAL from above</b>		<b>2,137,900</b>	
Exxon Mobil Chalmette – Restarting, expect full production by mid-November			
Two refineries in LA from Hurricane Katrina remain shut down – 367,000 b/d			
<ul style="list-style-type: none"> <li>• ConocoPhillips Belle Chasse – shut down, full power</li> </ul>		<b>367,000</b>	<b>Shut down Total (Katrina + Rita) – 804,000</b>

Company	Location	Capacity (B/D)	Status
<ul style="list-style-type: none"> <li>Murphy Oil Meraux – Estimate 1<sup>st</sup> quarter 2006 start up</li> </ul>			

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

- Shown below is a list natural gas pipelines impacted by the Gulf Coast Hurricanes as of November 2.

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). <b>ANR's capacity through Grand Chenier remains 825-MMcf/d.</b>
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	<b>Texas Eastern pipeline remains at capacity as of Nov 2.</b>
Enbridge Inc.'s Offshore System, which includes Garden Banks, Manta Ray, Nautilus, Stingray, and MS Canyon	<b>Mississippi Canyon and Manta Ray pipelines are still out of service. Stingray is open but is still not able to accept gas or liquids across the onshore separation and gas handling facilities at Johnson Bayou. Mississippi Canyon has a Nov. 7 target date for reopening.</b>
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 Robin, Sonat, and Texas Gas.
Southern Union's (Panhandle Energy) Trunkline and Sea Robin	<b>As of Nov 2, most of Trunkline gas' Terrebonne system is available for flow; 13 receipts points are unavailable. As of Nov 1, an OFO has been issued for all Sea Robin Offshore Receipt Points. As of Nov 1, Texas Gas Transmission has agreed to waive certain gas quality specifications to allow gas supplies currently shut-in to flow through Sea Robin.</b>
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)

