

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Gulf Coast Hurricanes Situation Report #40
November 14, 2005 (3:00 PM EST)**

HIGHLIGHTS

- On 11/12 Florida Power & Light (FPL) announced that crews had essentially completed Hurricane Wilma restoration efforts to all 3.2 million customers in South Florida who had been without power. Electricity restoration efforts are now essentially complete in Florida.
- DOE staff are at the New Orleans Area Field Office and Joint Field Office in Baton Rouge.

OIL AND GAS INFORMATION

- According to MMS (11/14), 727,054 barrels of oil per day are shut-in, which equates to 48.47 percent of the normal daily oil production in the Gulf. Shut-in gas production is 3.742 billion cubic feet per day. This shut-in gas production is equivalent to 37.42 percent of the normal daily gas production in the Gulf. Evacuations are equivalent to 19.78 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 / Presumed Sunk - Added in With Destroyed)		0
Number of Pipelines Damaged	56	77	102
Shut-in Production High	26-Sep	30-Aug	16-Sep 2004
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 - 11/14/05		9/13/04 - 02/14/05
Gas (BCF)	<i>Combined Rita / Katrina</i> 442.045		172.259

	<i>Combined Rita / Katrina</i>		
Oil (bbls)	85,669,231		43,841,245
Evacuation Highs			
Platforms	754	660	575
Rigs	107	89	69
Platforms in the Path	1600	1300	150

Source: U.S. MMS, November 14 2005.

- According to the Louisiana Department of Natural Resources on 11/14, onshore crude oil production in southern Louisiana has reached 105,190 barrels per day, or 51.8 percent of the region's capacity; natural gas production of 1,228.7 million cubic feet per day, or 55 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 11/09, 7 operator's facilities were reopened, 31 of the operator's facilities are shut-in, and 17 of the operators experience partial system shut-ins or flow.
- Shown below is a list of refineries impacted by Hurricane Rita as of November 9. 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			
ConocoPhillips	West Lake, LA	239,400	Reduced rate
Total		239,400	
HOUSTON/TEXAS CITY			
Lyondell Citgo	Houston, TX	270,200	Reduced rate
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		946,600	
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"> • 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.

- Shown below is a list natural gas pipelines impacted by the Gulf Coast Hurricanes as of November 14.

On-Shore and Off-Shore Pipelines with Reported Supply Issues	Status
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.
Enbridge Inc.'s Offshore System, which includes Garden Banks, Manta Ray, Nautilus, Stingray, and MS Canyon	As of Nov. 8, the Force Majeure on MS Canyon has been terminated. MS Canyon is available for gas flows at all receipt points, but will be unable to accept liquids for transportation. Manta Ray pipelines are still out of service. Stingray is now advising its shippers that December 1, 2005 is its target date for restored operation, although some onshore delivery points may be limited due to a lack of onshore compression.
Enterprise Product Partners – GulfTerra and Gulf South (HIOS)	GulfTerra postponed integrity testing until January 2006. From Nov 8 through Nov 11, the Sonora Plant in Texas is being shut-in due to pipeline pigging of GulfTerra. As of Nov 1, the ANR and UTOS delivery points are available on GulfTerra. UTOS is available for service and is accepting nominations for November transportation.
Kinder Morgan	Natural Gas Pipeline operating at capacity with a few pipeline segments at limited capacity. There is also limited available storage in Gulf coast and Amarillo areas.
Southern Union's (Panhandle Energy) Trunkline and Sea Robin	As of Nov 2, most of Trunkline gas' Terrebonne system is available for flow; 13 receipts points are unavailable. As of Nov 8, OFO lifted 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 formerly shut-in to flow through Sea Robin.
Tennessee Gas	For Nov 14, some restrictions apply at Carthage Line Lateral and Egan Deliveries due to nominations over capacity. Tennessee is currently in the process of repairing Station 527 (Port Sulphur). Several segments of pipelines are still being repaired. The operator (Dynergy) of the Yscloskey Processing Plant has informed Tennessee that that refrigeration is estimated to be installed by the end of December 2005.

(Sources: Company web sites and Trade associations)