

**OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Gulf Coast Hurricanes¹ Situation Report #23
October 26, 2005 (10:00 AM EDT)**

HIGHLIGHTS

- There are 2,826,671 customers without power in Florida as of 7:00 AM 10/26 due to Hurricane Wilma. This represents about 31 percent of customers in the state.
- DOE staff are stationed at the Regional Response Coordination Center (RRCC) in Atlanta, Georgia, pursuant to Hurricane Wilma. DOE staff remain at the New Orleans Area Field Office and State EOC in Baton Rouge.

ELECTRICITY INFORMATION

STATE REPORTS

Florida

- As of 7:00 AM, 10/26, there are 2,826,671 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
Brevard	5,000	74,500	79,500	94%
Broward	850,100	12,700	862,800	1%
Collier	93,300	76,300	169,600	45%
Glades	2,100	1,300	3,400	38%
Hendry	5,300	3,200	8,500	38%
Indian River	31,500	10,100	41,600	24%
Lee	97,400	97,500	194,900	50%
Manatee	500	14,100	14,600	97%
Martin	60,700	23,900	84,600	28%
Miami-Dade	850,900	105,600	956,500	11%
Okeechobee	12,500	3,400	15,900	21%
Palm Beach	631,100	32,400	663,500	5%
Sarasota	400	18,200	18,600	98%
St. Lucie	58,700	44,200	102,900	43%

*Data is from 7:00 AM 10/26 FL EOC report and FPL website.

Florida Utility Outage Data: Hard Hit Utilities*

County	Customers w/o Power	Total Customers	% Customers w/o Power
Florida Power & Light	2,700,000	4,343,095	62%
Municipals	80,168	1,268,280	6%

Cooperatives	46,503	949,925	5%
Total includes companies with low number of outages not included in Table	2,826,671	9,138,533	31%

*Data is from 7:00 AM 10/26 FL EOC report

- Florida Power and Light is continuing to assess the extensive damage to its electrical system over the next several days. The company has provided initial restoration estimates. It expects to complete power restoration to virtually all customers in the west coast areas of Manatee, Sarasota, Charlotte and DeSoto counties, as well as North Brevard County on the east coast, by the end of today. FPL expects to complete power restoration to the majority of customers within two weeks (by 11/8) and some 95 percent of customers in these areas should have power restored by 11/15. About 60 percent of FPL's 35-county service territory was affected by Hurricane Wilma.
- FPL said that the most severe damage has been to poles, wires, and substations and priority is being given to fixing damage to large, high voltage transmission lines and substations. FPL's preliminary assessments indicate that the worst damage occurred in Broward and southeastern Palm Beach counties. The company has a restoration team of 6,000 workers in the field and additional personnel will continue to arrive from outside of Florida through next week.
 - Progress Energy Florida has completed restoration. The company is deploying 530 crews to south Florida to assist in restoration in the FPL service territory.
 - As of 10/25/05 the National Rural Electric Cooperative Association reported that of the three Florida electric cooperatives affected by Hurricane Wilma, Lee County Electric Cooperative and Florida Keys Electric Cooperative expect to have the majority of customers restored by the weekend. Glades Electric Cooperative has over 100 transmission poles to replace and is reporting substantial damage to the distribution system, most of which is located in very rural areas.
 - Port Canaveral opened at 8:30 AM 10/25.. Minimal damage to docks.
 - Port Everglades is closed to commercial traffic. The port suffered damage and it is unknown when the port will reopen.

Louisiana

Entergy on 10/25 updated its Table showing its restoration progress by neighborhood in New Orleans. See: http://www.entergy-neworleans.com/content/corp/emergencycctr/NOLA_electric_detail_content.asp

OIL AND GAS INFORMATION

- According to MMS, 1,033,621 barrels of oil per day are shut-in, which equates to 68.91 percent of the normal daily oil production in the Gulf. Shut-in gas production is 5.582 billion cubic feet per day. This shut-in gas production is equivalent to 55.82 percent of the normal

daily gas production in the Gulf. Evacuations are equivalent to 29.06 percent of 819 manned platforms and 17.91 percent of 134 rigs currently operating in the Gulf. For further information see MMS web site at www.mms.gov. MMS reports 66 destroyed platforms and 32 damaged platforms in the Gulf of Mexico (GOM).

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 - 10/25/05		9/13/04 - 02/14/05
Gas (BCF)	<i>Combined Rita / Katrina</i> 348.093		172.259
Oil (bbls)	<i>Combined Rita / Katrina</i> 68,550,886		43,841,245
Evacuation Highs			
Platforms	754	660	575
Rigs	107	89	69
Platforms in the Path	1600	1300	150

Source: US MMS October 25 2005.

- According to the Louisiana Department of Natural Resources (on Oct 24), onshore crude oil production in southern Louisiana has reached 65,782 barrels per day, or 32.4 percent of the region's capacity; natural gas production of 885 million cubic feet, or 39.6 percent of daily capacity in 38 southern Louisiana parishes, has been restored. Of the 55 intrastate pipelines operating in southern Louisiana, two have reopened, 39 were shut in, 12 were partly shut in, and the status of two was unknown.
- The following tables highlight the current shut downs by major energy facilities in the path of Hurricane Rita as of 10/25:

REFINERY IMPACTS FROM HURRICANE RITA

Company	Location	Capacity (B/D)	Status
PORT ARTHUR/ LAKE CHARLES			
Citgo	Lake Charles, LA	324,300	Reduced rate
ConocoPhillips	West Lake, LA	239,400	Restarting
Calcasieu	Lake Charles, LA	30,000	Operating at full rate
ExxonMobil	Beaumont, TX	348,500	Reduced rates
Motiva	Port Arthur, TX	285,000	Restarting
Total	Port Arthur, TX	233,500	Restarting
Valero (Premcor)	Port Arthur, TX	255,000	Operating at full rate
Total		1,715,700	
HOUSTON/TEXAS CITY			
Shell Deer Park	Deer Park, TX	333,700	Operating at full rate
Lydonell Citgo	Houston, TX	270,200	Reduced rates - FCC remains down
Astra Oil (Crown Central)	Pasadena, TX	100,000	Operating at full rate
Valero	Houston, TX	83,000	Operating at full rate
ExxonMobil	Baytown, TX	557,000	Operating at full rate
BP	Texas City, TX	437,000	Shut down – expected restart late October/early November
Valero	Texas City, TX	209,950	Operating at full rate
Marathon	Texas City, TX	72,000	Operating at full rate
ConocoPhillips	Sweeny, TX	229,000	Operating at full rate
Total		2,291,850	Shut down – 437,000
TOTAL OF ALL AREAS including Corpus Christi		4,713,676	Total Shutdown – 437,000
Chevron Pascagoula, MS – reduced runs; estimate normal production by late Oct. Three refineries in LA from Hurricane Katrina remain shut down – 554,000 b/d Exxon Mobil Chalmette – full power ConocoPhillips Belle Chasse – full power Murphy Oil Meraux – partial power		554,000	Total including Katrina –991,000

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

- Shown below is a list of natural gas pipelines impacted by Hurricane Rita, as of 10/25.

On-Shore and Off-Shore Pipelines with Reported Supply Issues	Status
ANR	ANR has declared a Force Majeure and continues not to accept any nominations upstream of its Lake Arthur and Grand Chenier Compressor Stations. There is extensive damage to its liquid handling facilities located at Grand

On-Shore and Off-Shore Pipelines with Reported Supply Issues	Status
	Chenier. Effective Oct 26, ANR will increase its capacity through its Grand Chenier facilities to 550-MMcf/d.
Columbia Gulf Transmission	Force Majeure, effective Sept 26 for meters upstream of and including the Egan Measurement Stations. As of Oct 21, physical volumes in storage for Columbia Gas Transmission are generally on par with historical values and stand at 228.3 bcf.
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	As of Oct 26, five zones partially restricted or sealed to capacity on Texas Eastern.
Enbridge Inc.'s Offshore System, which includes Garden Banks, Manta Ray, Nautilus, Stingray, and MS Canyon	MS Canyon, Manta Ray, and UTOS pipelines are still out of service. MS Canyon has Nov 7 as target date to allow gas deliveries to the Sonat and Tennessee Gas Pipeline delivery points.
Enterprise Product Partners	As of Oct 6, all GOM area pipelines are normal except Phoenix, Viosca Knoll, Typhoon, and High Island. All platforms are in service except Garden Banks 72 and East Cameron 373. Six of its ten LA natural gas processing plants are operational.
Gulf South – Lake Charles	May be required to schedule only primary firm capacity and implement scheduling reductions for Oct 19.
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	Limited transportation capacity on segments 23 and 33 and Force Majeure on Segment 26 on Natural Gas Pipeline Company of America lines on Oct 26; also some limited storage in Gulf Coast zones.
Sabine	Effective October 14, compression through Sabine's South Booster Station is now available. Force Majeure now lifted on 25 interconnects.
Southern Union's (Panhandle Energy) Trunkline and Sea Robin	As of October 26, 16 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. Florida Gas transmission is performing some unscheduled maintenance in October.
Tennessee Gas	For the October 24th Gas Day: Tennessee will accept nomination increases at all points except for meters listed on the latest operational advisory posting. Some pipeline points were restricted on Oct 23.
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, DOT, and Trade associations)

¹ Situation Report series for Hurricanes Katrina, Rita, and Wilma have been combined into the Gulf Coast Hurricanes Situation Report series.