

The Impacts of the Recent Hurricanes to Energy Infrastructure and Markets

September 29, 2005



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**Pre-Katrina Energy Markets
Already on Edge**



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Factors Affecting Markets Political and Economic Uncertainty, and Weather

Weather



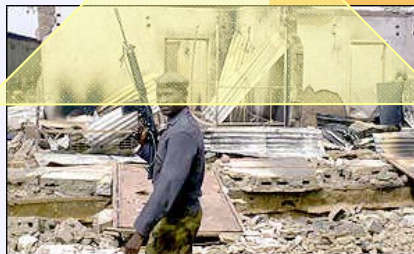
Dollar depreciation



China's energy demand growth



Venezuelan oil strike



Nigerian civil strife



OPEC decisions

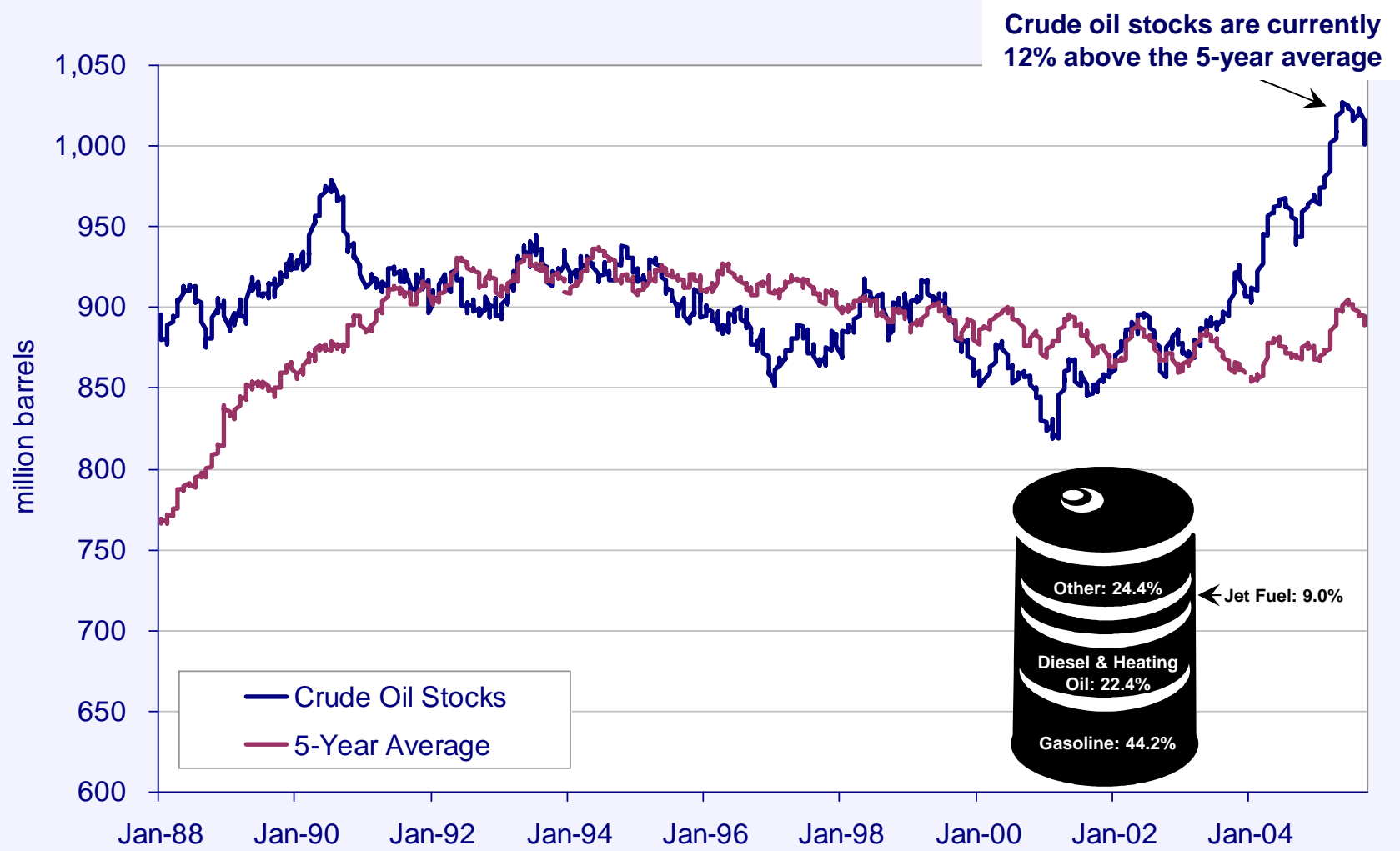


Iraq post-war insurgency



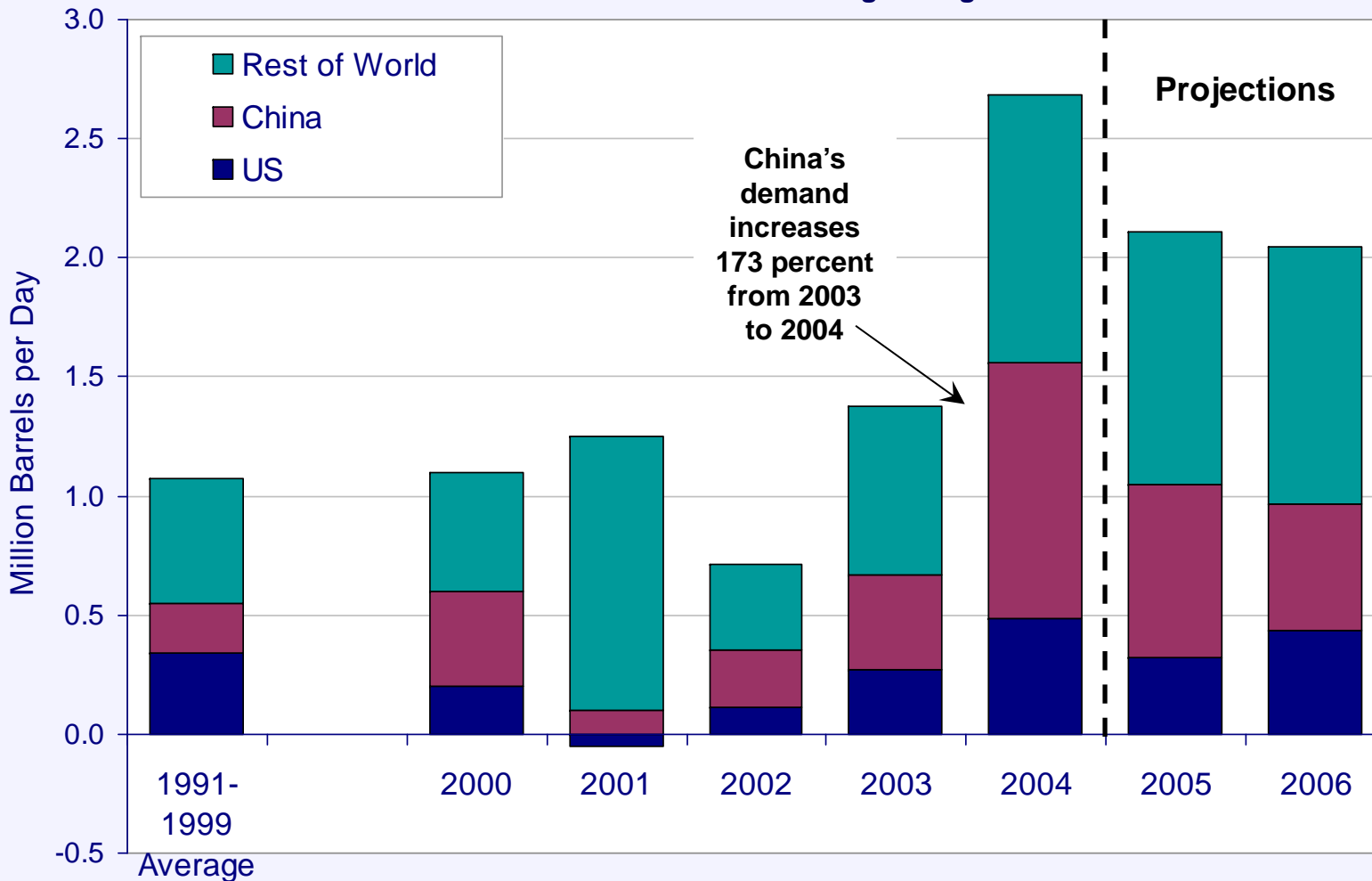
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Crude Oil Stocks Compared to 5-Year Average (Jan-88 through Sep-05)



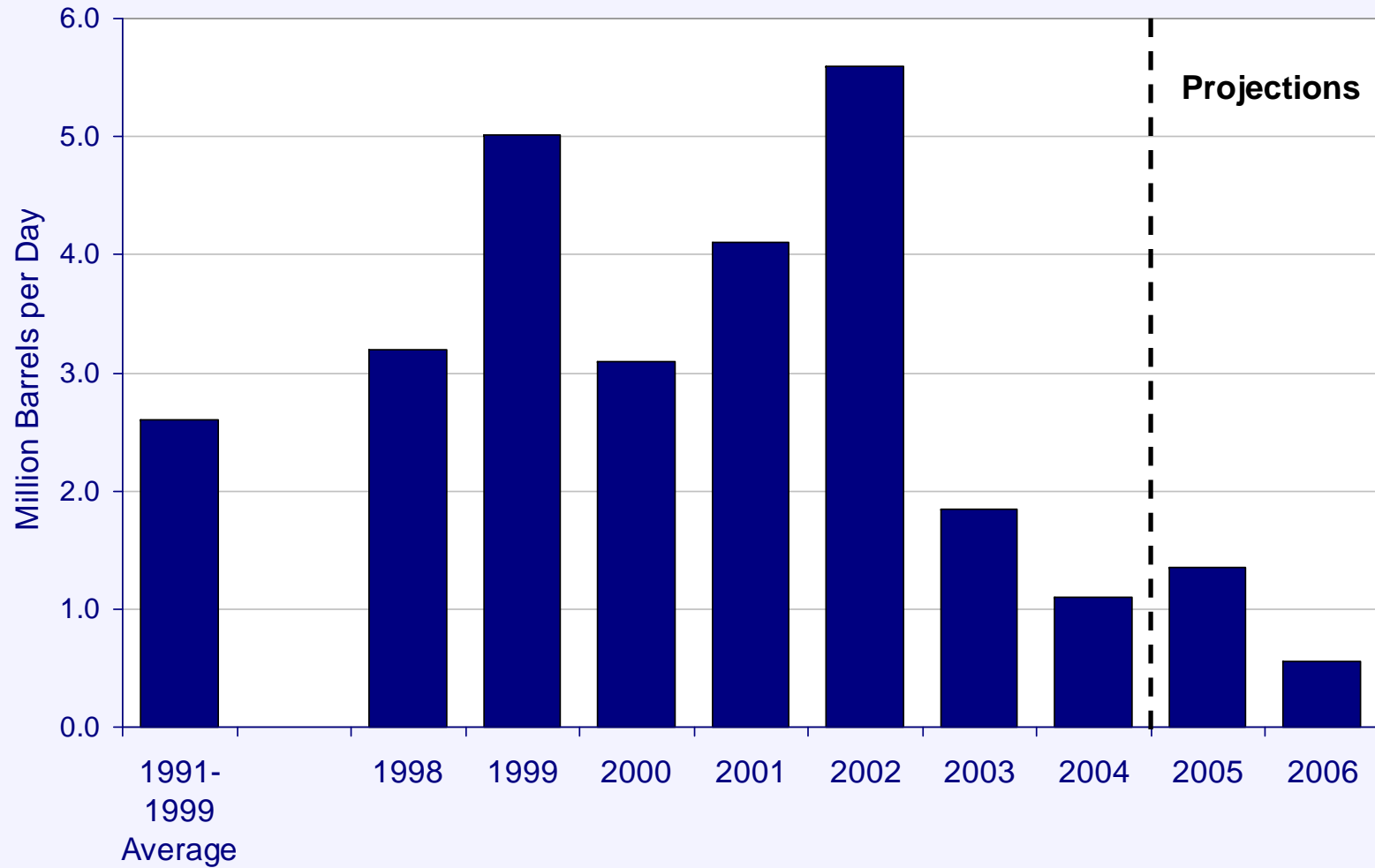


World oil demand growth currently surging at relatively high rates and continues to be strong through 2006





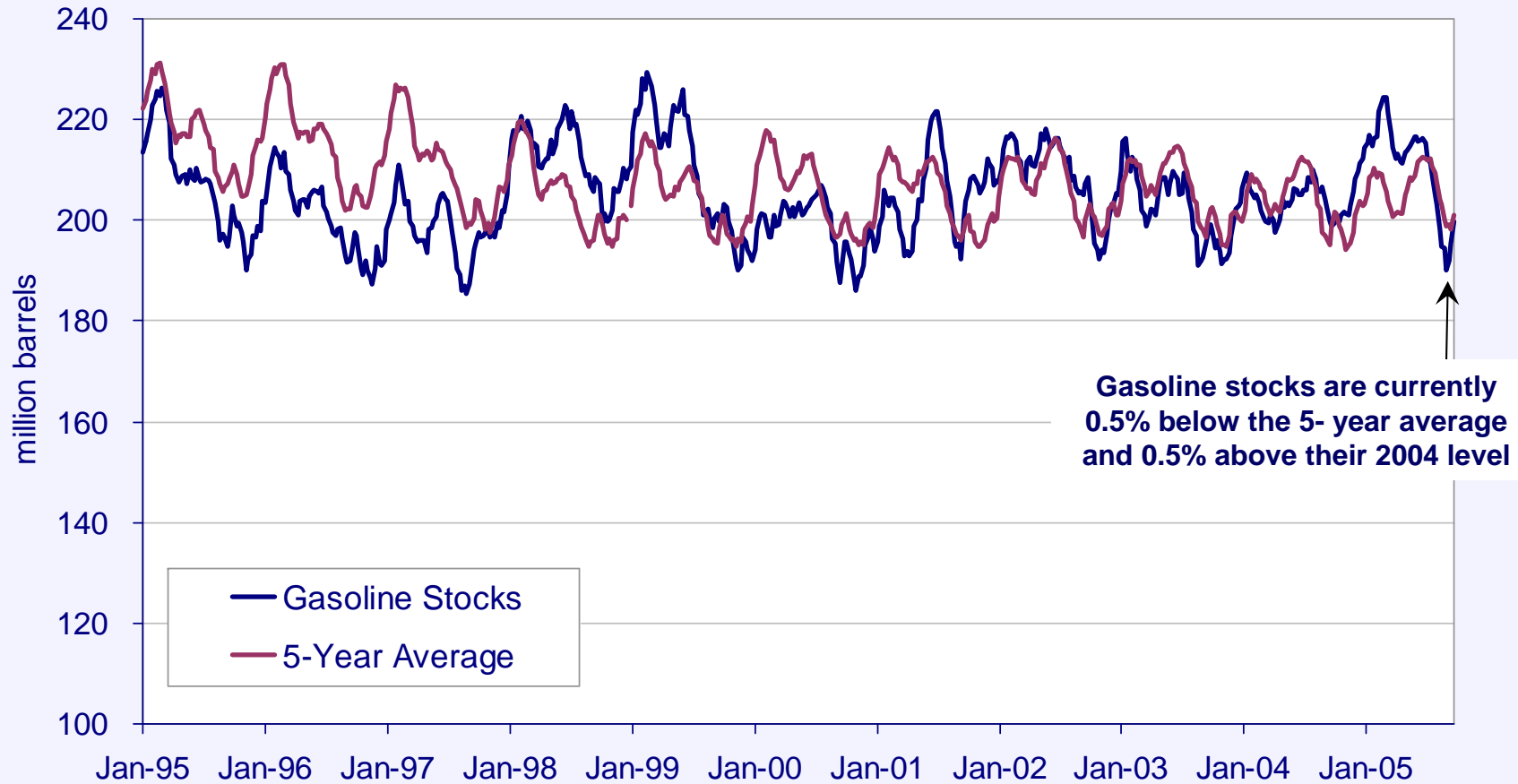
Spare capacity hit its lowest level in 30 years in 2004 and remains fairly low





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Gasoline Stocks Compared to 5-Year Average (Jan-95 through Sep-05)

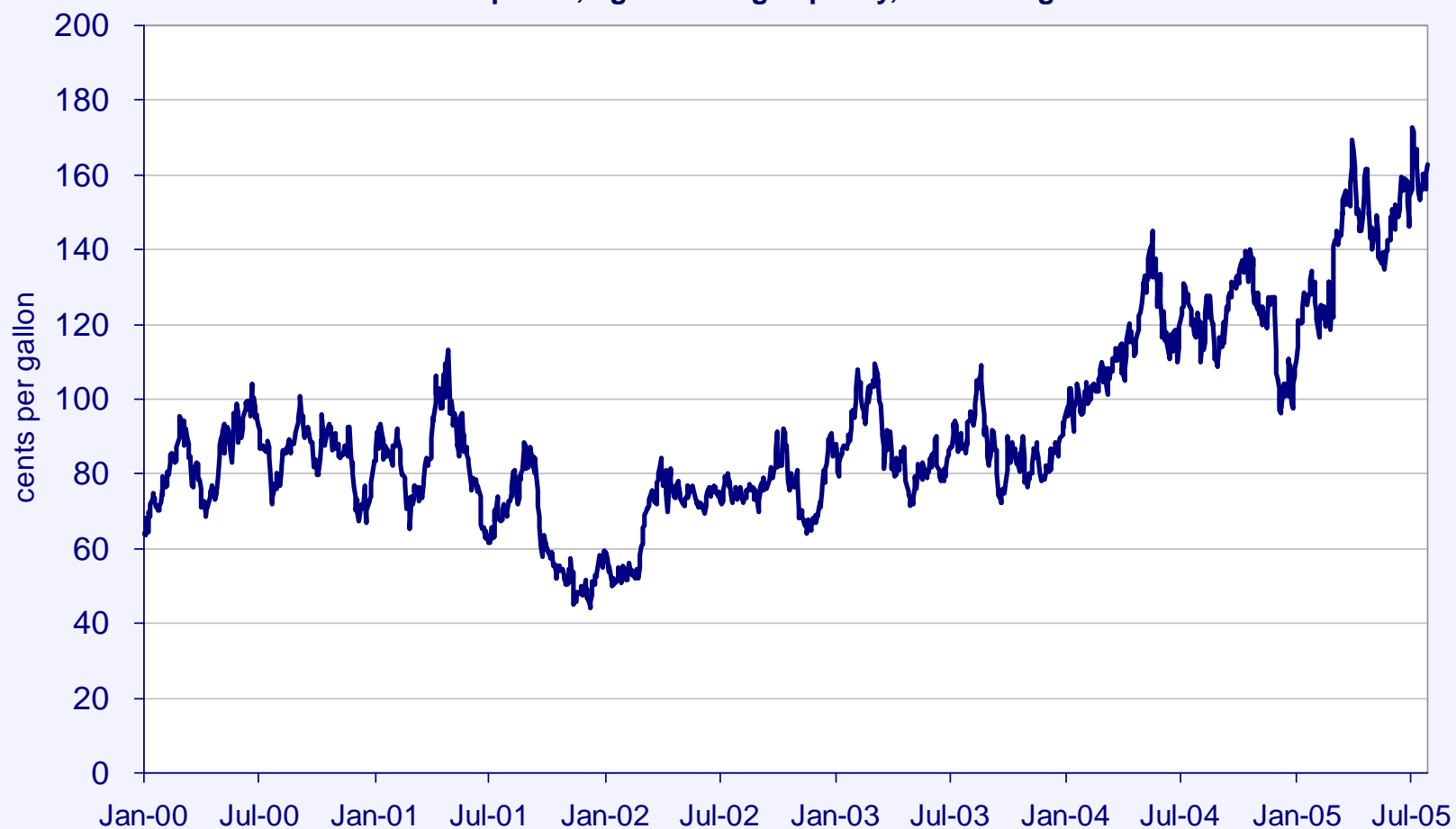




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US Gulf Coast Conventional Gasoline Regular Wholesale Price, Jan-00 through Jul-05

Wholesale gasoline prices were already building over the summer based on high crude prices, tight refining capacity, and strong demand



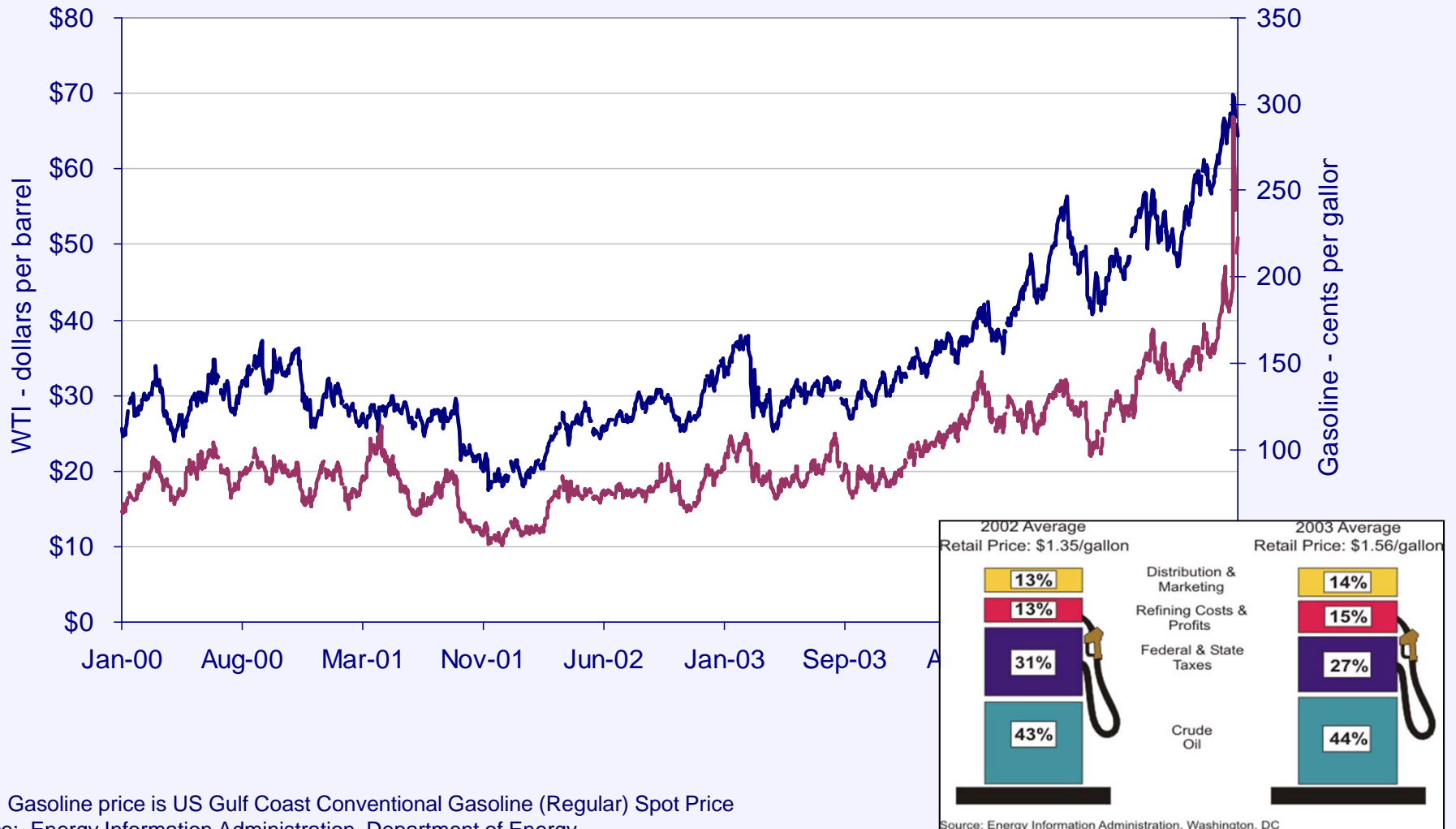
Source: Energy Information Administration



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Crude Oil Spot Price - West Texas Intermediate January 2000- July 2005

Crude spot prices explain gasoline prices; these prices have a correlation coefficient of 0.9683

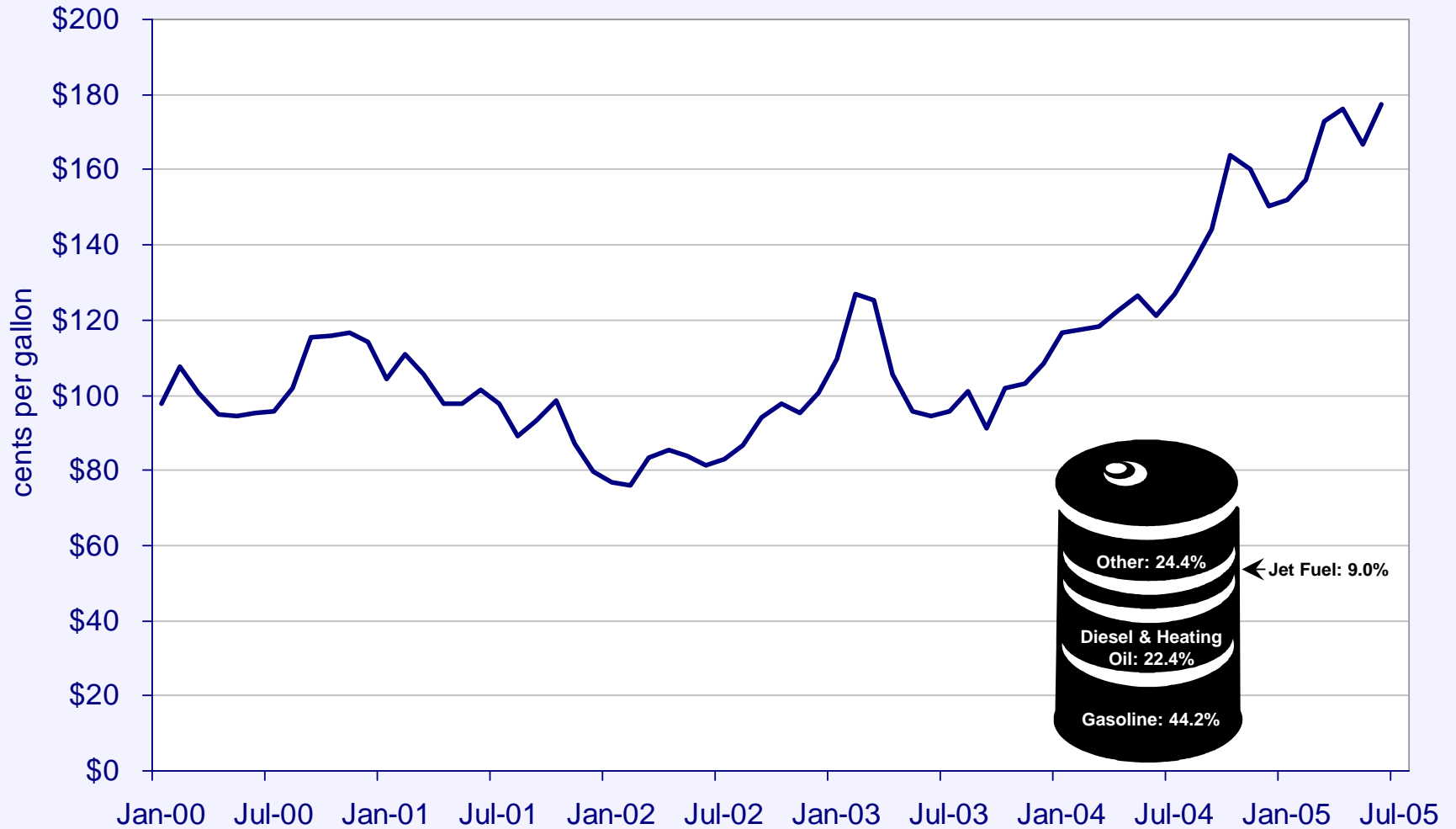


Note: Gasoline price is US Gulf Coast Conventional Gasoline (Regular) Spot Price
Source: Energy Information Administration, Department of Energy



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US No. 2 Distillate Prices – Average of Sales to End Users, January 2000- July 2005

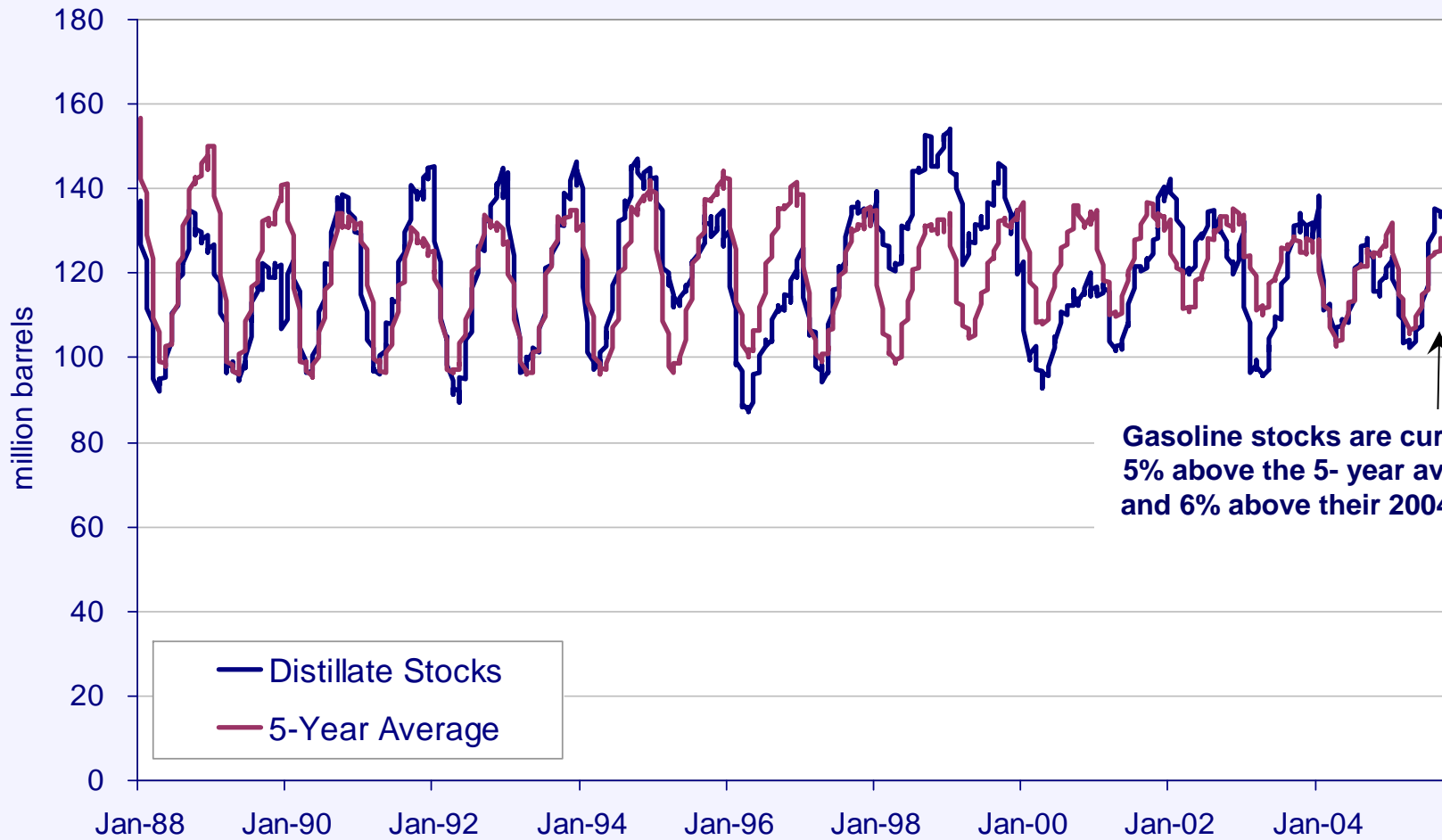


Source: Energy Information Administration



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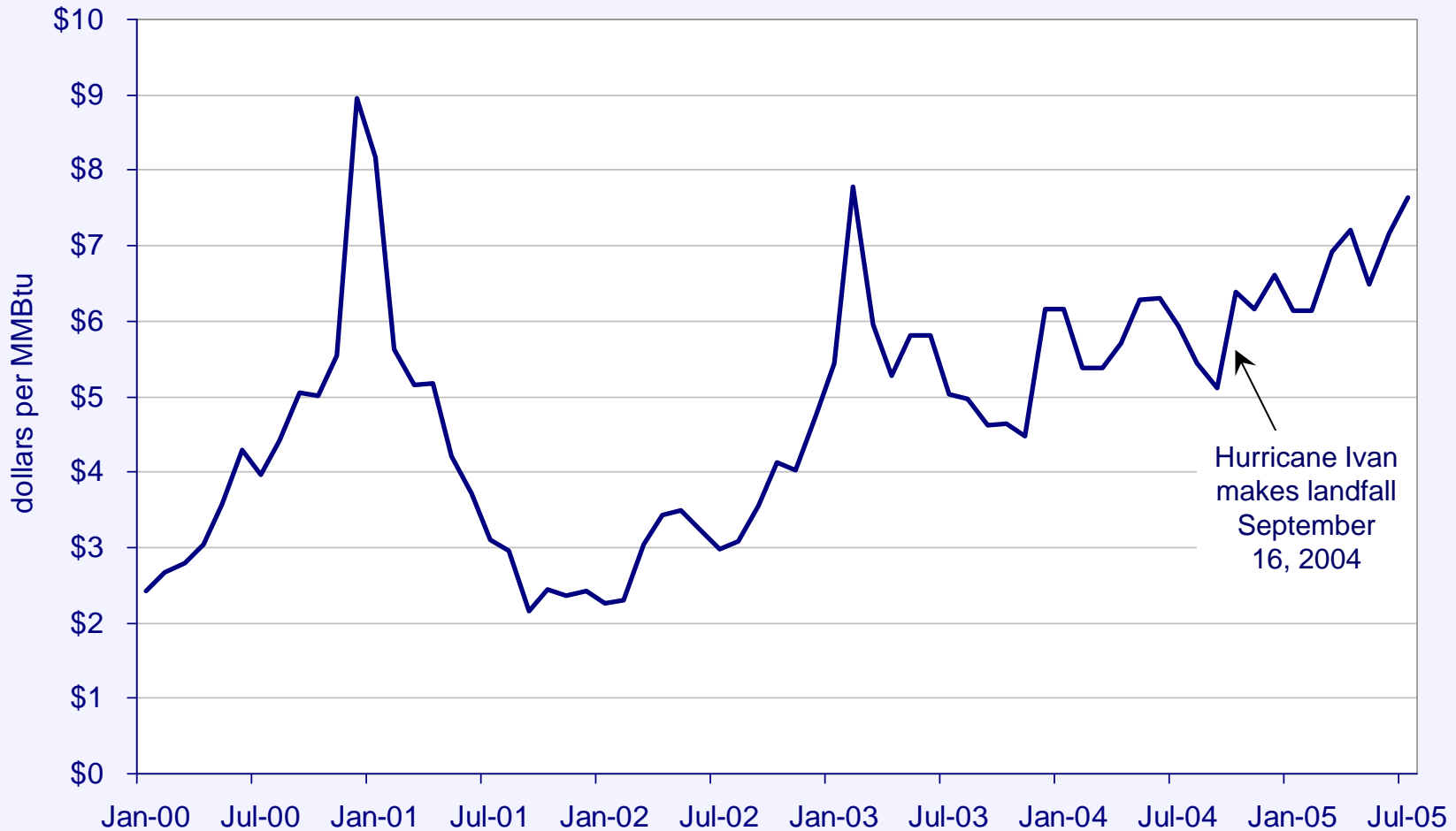
Distillate Stocks Compared to 5-Year Average (Jan-88 through Sep-05)





Natural Gas Spot Price – Henry Hub January 2000- July 2005

Natural gas prices have been increasing steadily since last year's major hurricane. Big summer time jumps because of high power-related demand.

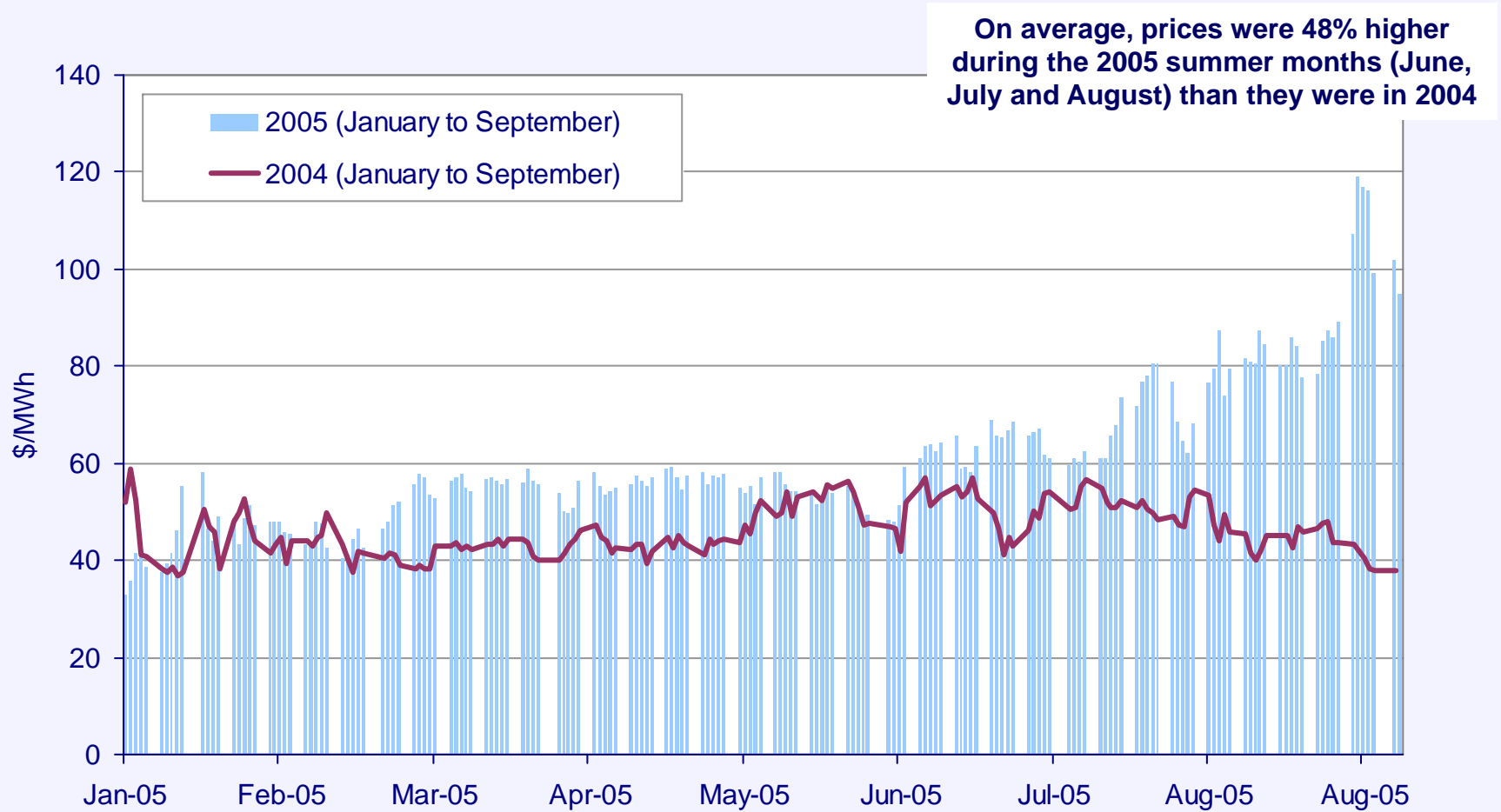




Utility	Service Area	Record Peak Demand (MW)	Date Record Set
Ameren Corp	Missouri and Illinois	12,680	25-Jul
Brunswick Electric Coop	North Carolina	303	28-Jul
Con Edison	New York	13,059	27-Jul
Dominion Virginia Power	Virginia	18,897	27-Jul
Duke Power	North Carolina, South Carolina	18,687	27-Jul
Gainesville Regional Utilities	Florida	447	20-Jul
Progress Energy Florida	Florida	9,208	27-Jul
Santee Cooper	South Carolina	4,980	25-Jul
Santee Cooper	South Carolina	5,178	26-Jul
South Carolina Electric & Gas	South Carolina	4,820	27-Jul
	Georgia, Alabama, Mississippi,		
Southern Company	Florida	37,734	26-Jul
Tampa Electric	Florida	4,175	22-Jul
Tennessee Valley Authority	Tennessee (and 6 adj states)	31,703	25-Jul
Vectren Corp	Indiana	1,290	27-Jul
Transmission Operators			
PJM Interconnection		130,574	18-Jul
Midwest ISO		131,434	3-Aug
New York ISO		32,075	26-Jul
ISO New England		26,922	27-Jul
Southwest Power Pool		38,852	22-Jul



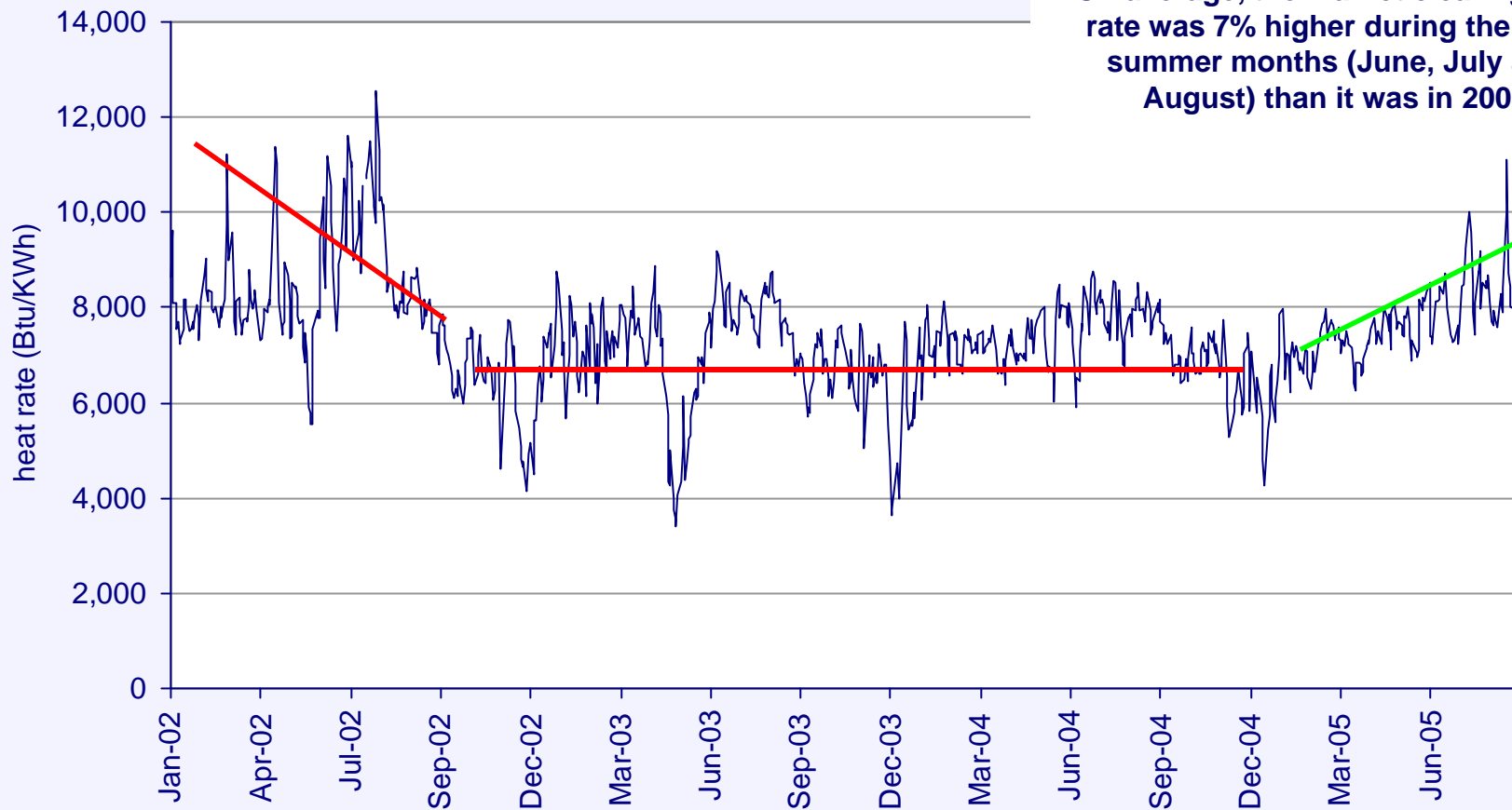
Wholesale Peak Prices into-Entergy, On Peak



Source: Intercontinental Exchange



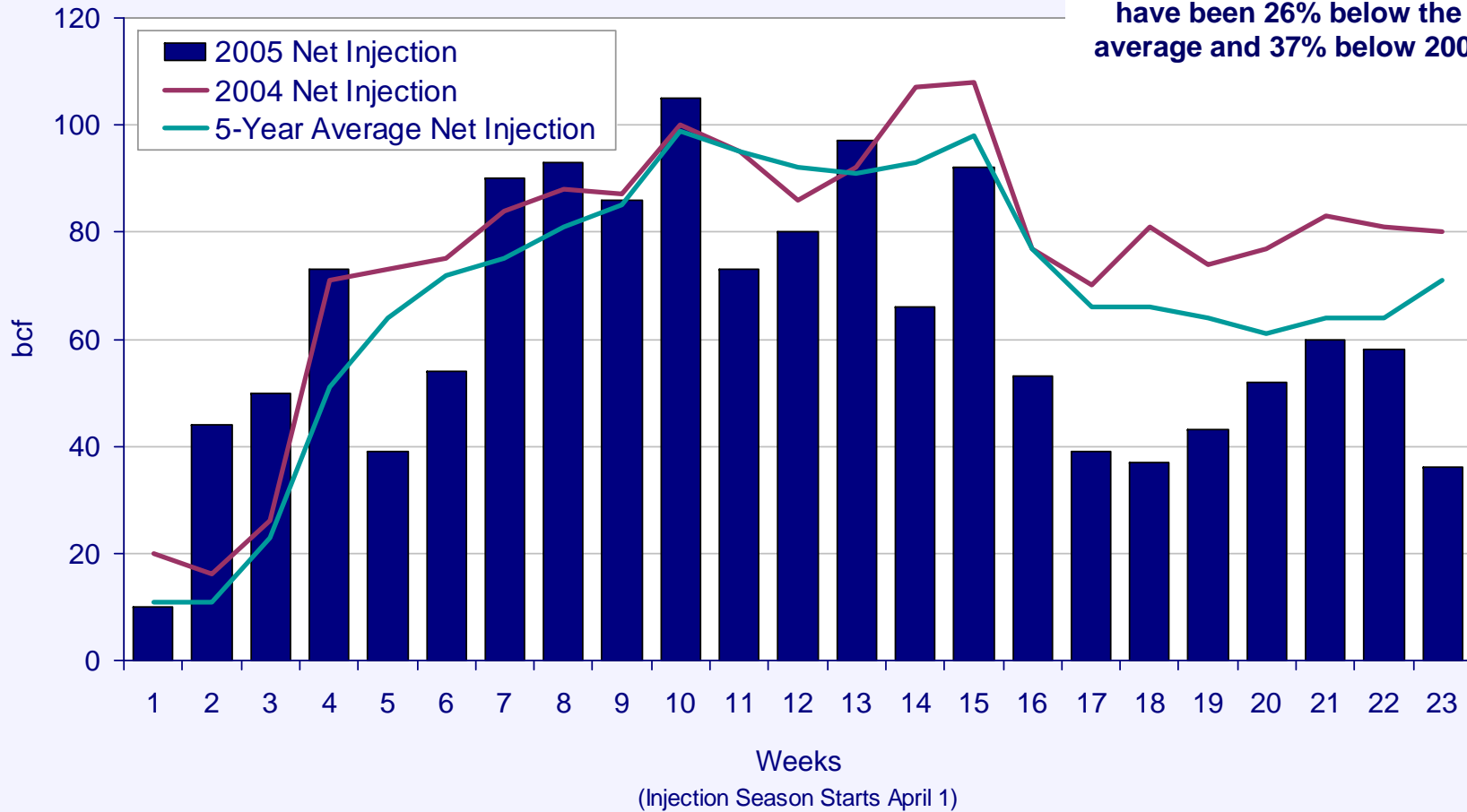
Market Clearing Heat Rate into-Entergy, On Peak





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Weekly Natural Gas Injections Relative to Prior Year and 5-Year Average



Source: Energy Information Administration, Department of Energy



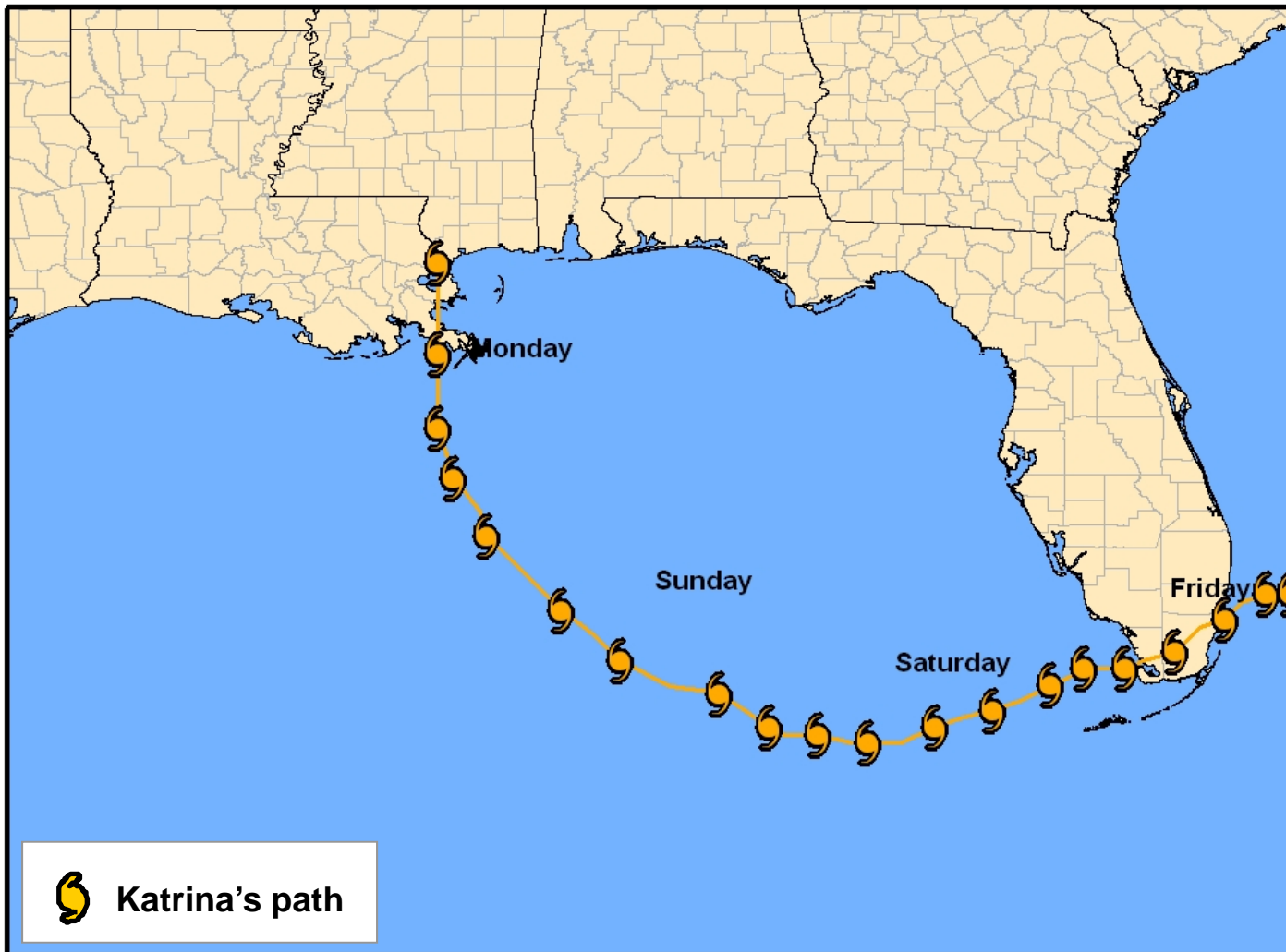
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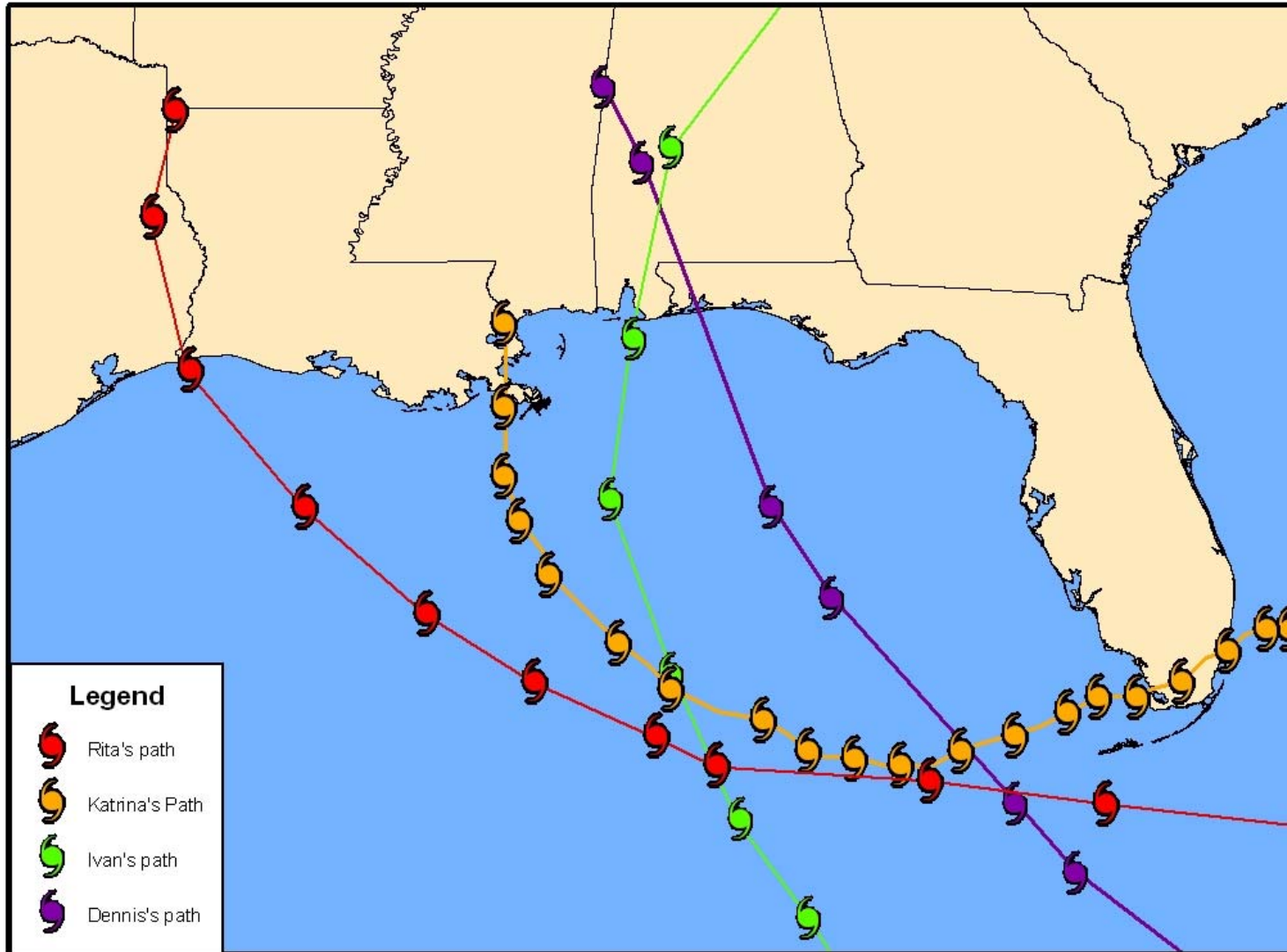
**The WORST Case Scenario:
Hurricane Katrina**

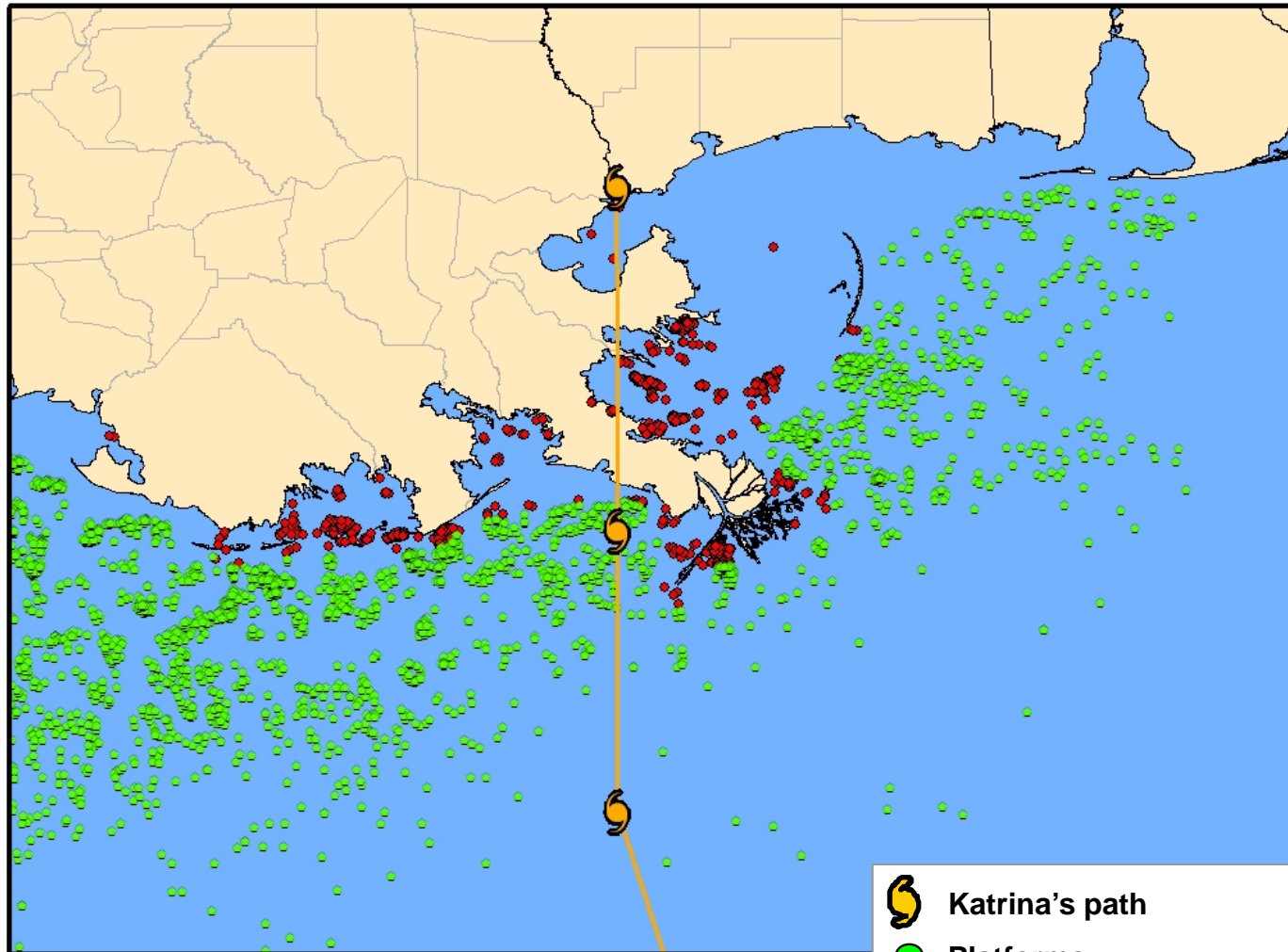





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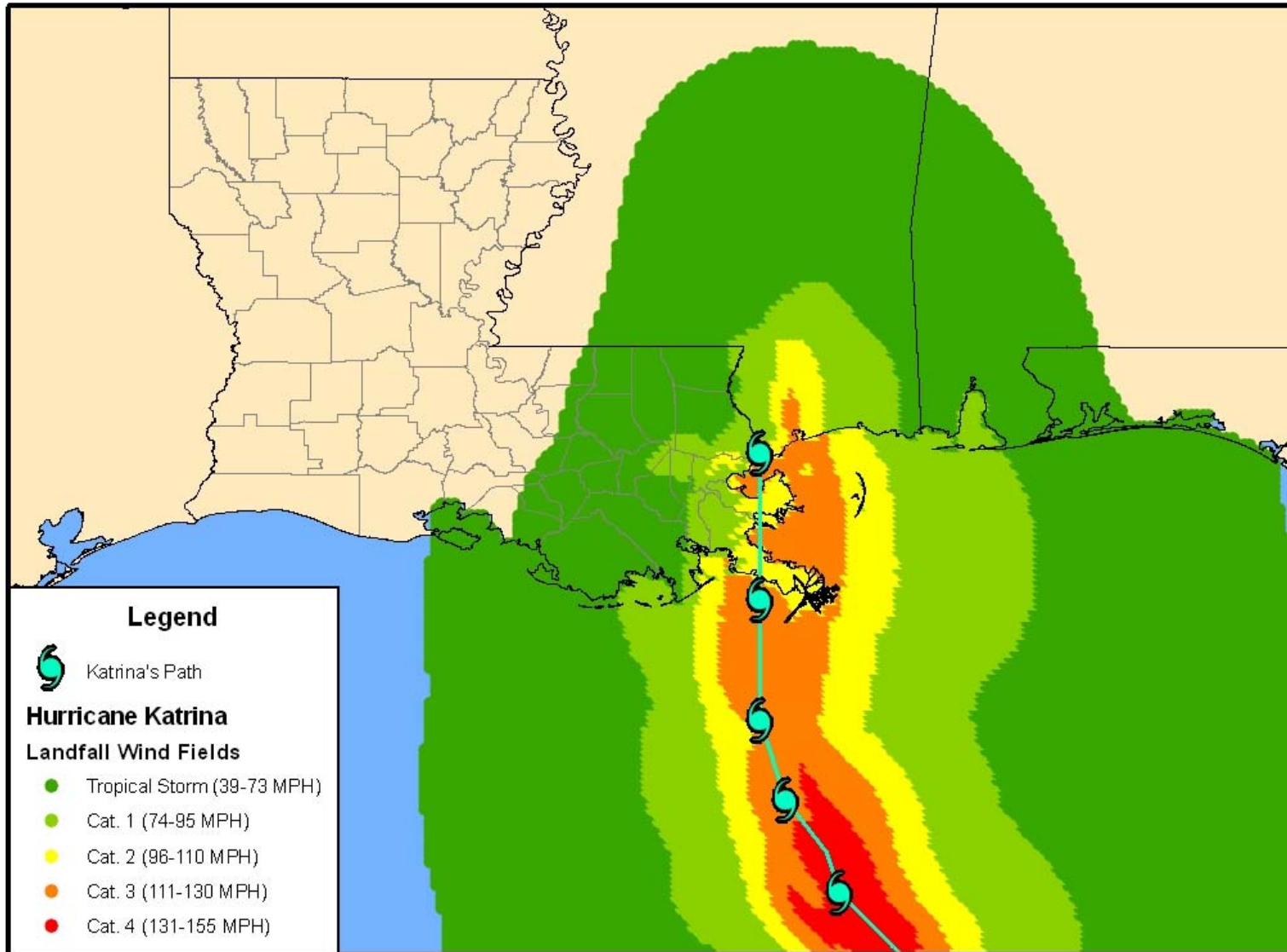
Hurricane Katrina Storm Track







-  Katrina's path
-  Platforms
-  Louisiana state offshore wells





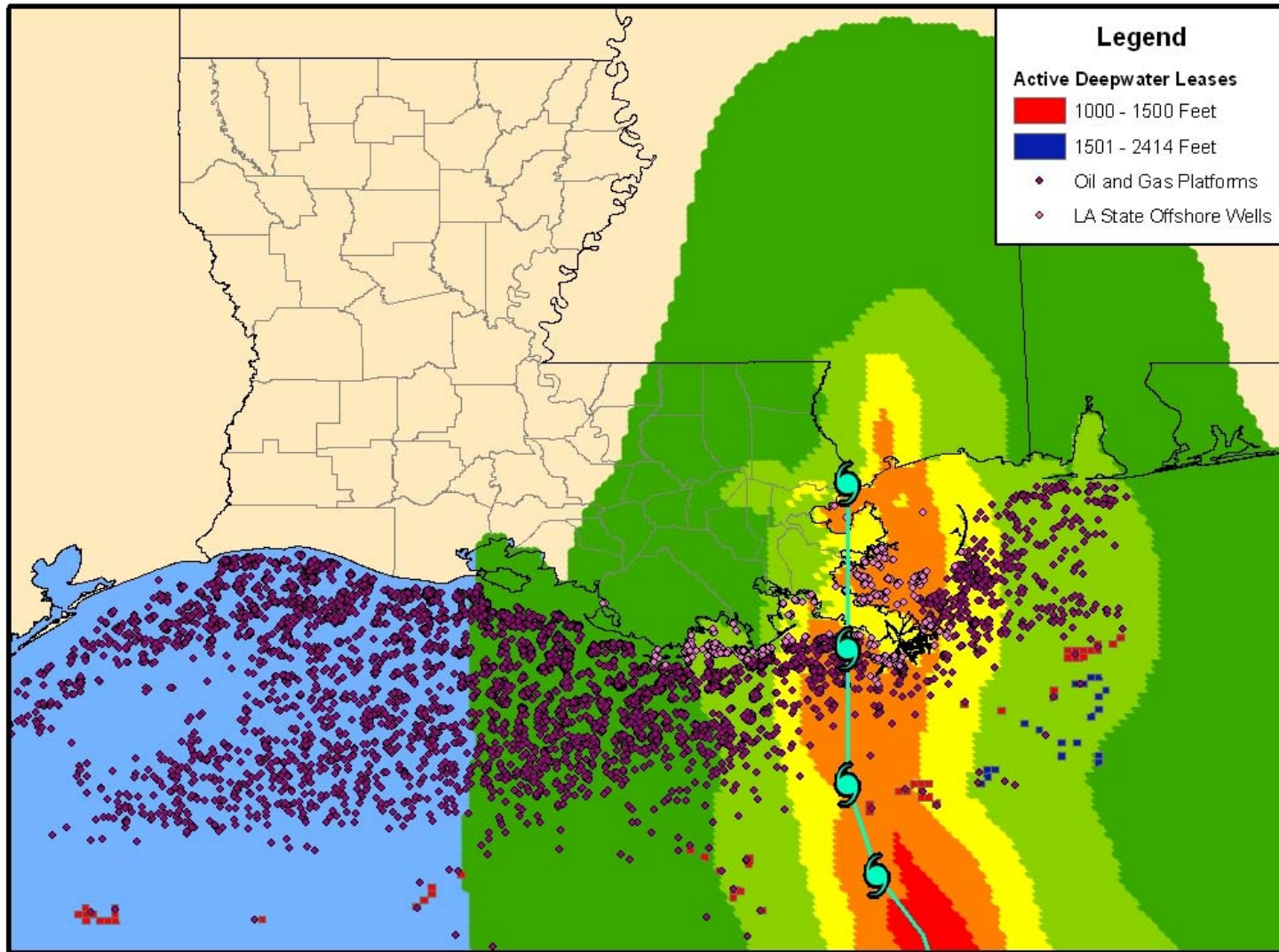
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Immediate Energy Infrastructure Impacts of Katrina



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Platforms/Structures Impacted by Katrina



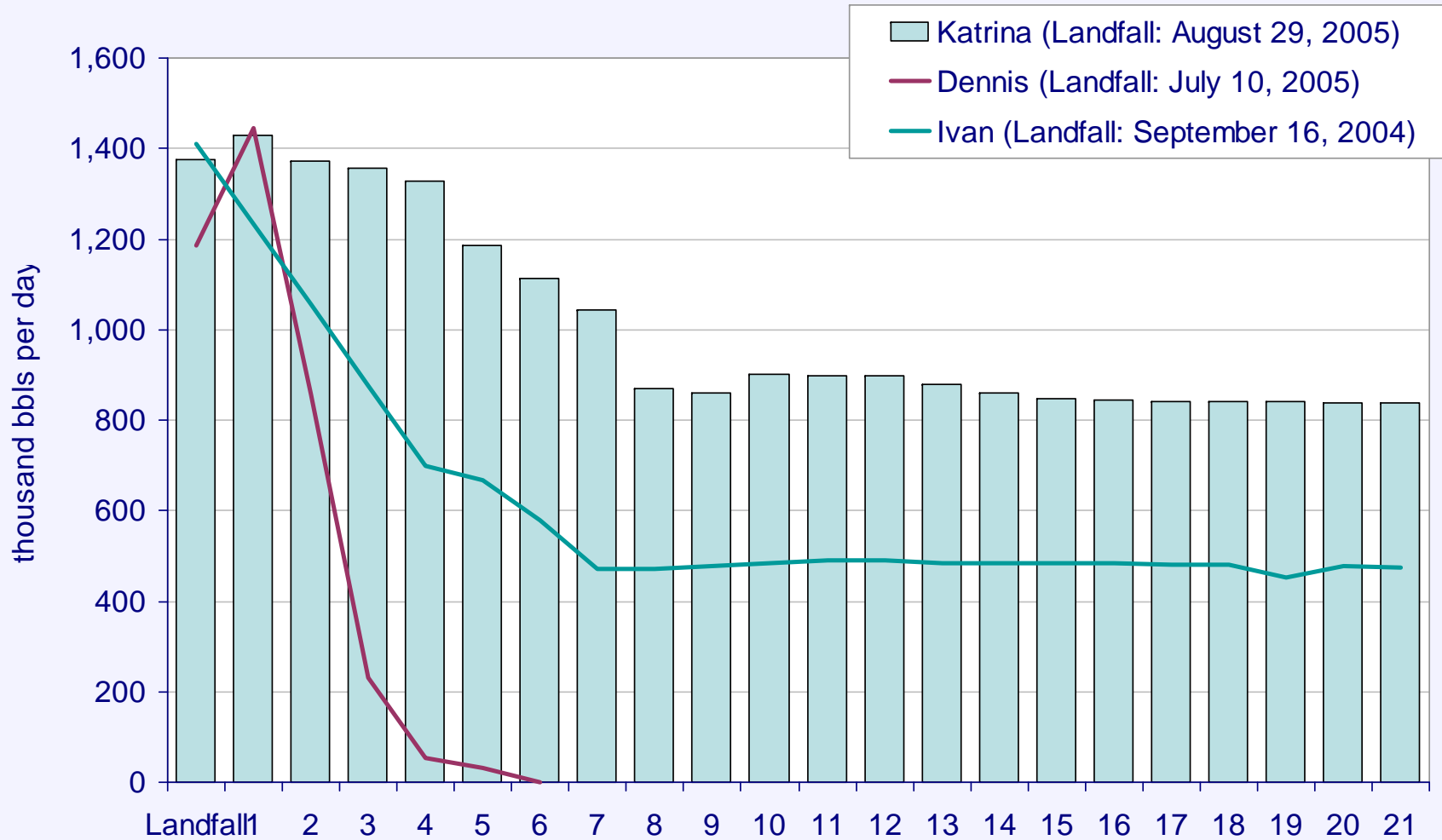


Date	Shut-in Oil Production (bbls/day)	Percent of Daily GOM Production (%)	Cumulative Shut-in Oil Production (bbls)	Percent of Annual GOM Production (%)
29-Aug-05	1,375,413	91.69%	3,133,859	0.57%
30-Aug-05	1,427,969	95.20%	4,635,751	0.85%
31-Aug-05	1,371,814	91.45%	6,055,220	1.11%
1-Sep-05	1,356,498	90.43%	7,441,566	1.36%
2-Sep-05	1,327,953	88.53%	8,761,468	1.60%
3-Sep-05	1,184,747	78.98%	9,872,662	1.80%
5-Sep-05	1,043,681	69.58%	11,985,960	2.19%
6-Sep-05	870,374	58.02%	12,752,039	2.33%
7-Sep-05	860,568	57.37%	13,607,835	2.49%
8-Sep-05	901,726	60.12%	14,564,409	2.66%
9-Sep-05	898,161	59.88%	16,223,825	2.96%
10-Sep-05	897,605	59.84%	17,121,430	3.13%
12-Sep-05	860,636	57.38%	18,852,261	3.44%
13-Sep-05	846,720	56.45%	19,689,905	3.60%
14-Sep-05	843,725	56.25%	20,533,630	3.75%
15-Sep-05	842,091	56.14%	21,375,721	3.90%
16-Sep-05	840,921	56.06%	22,215,726	4.06%
19-Sep-05	837,648	55.84%	24,735,216	4.52%



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Katrina versus Other Major Hurricanes Shut-in Oil Production

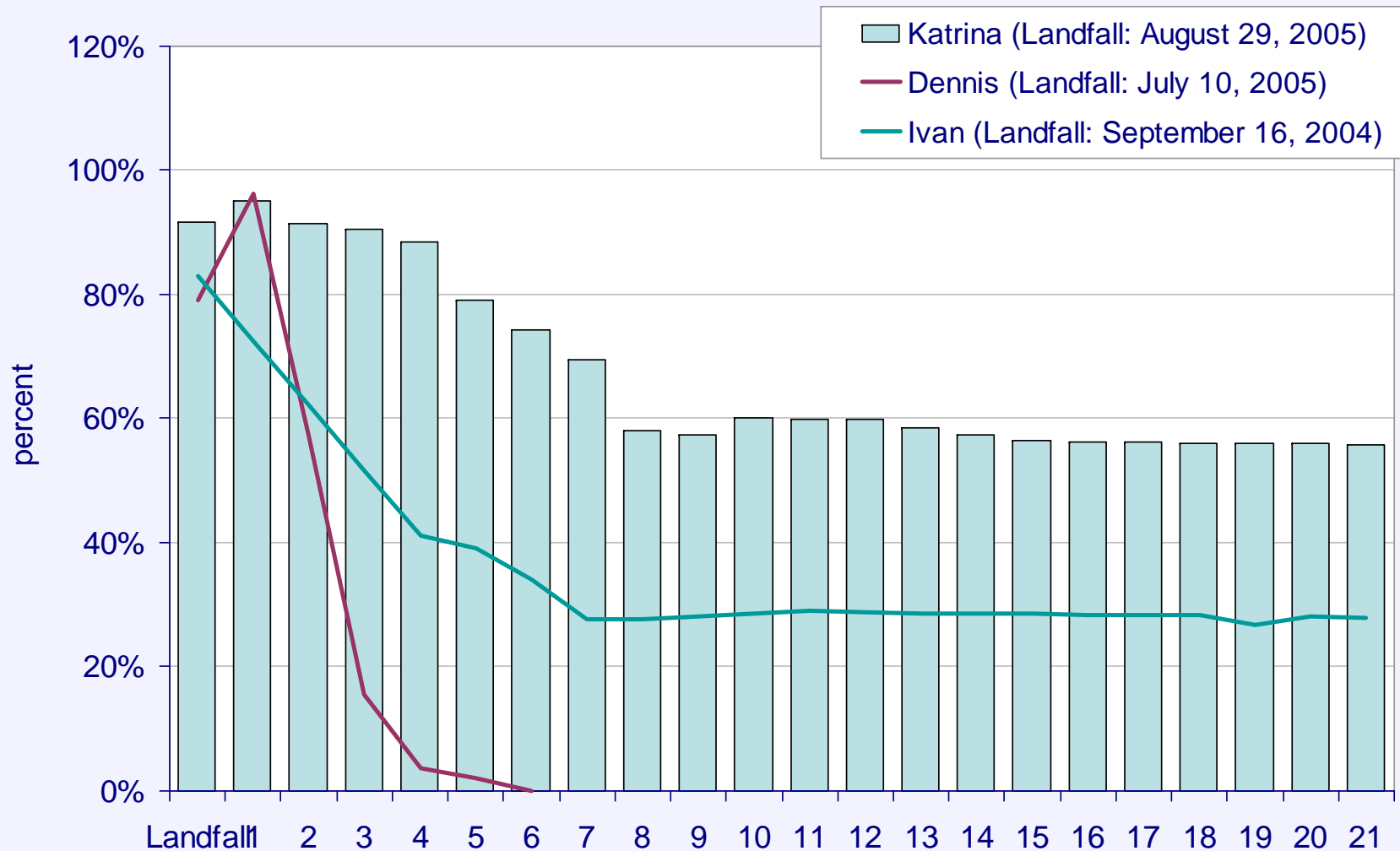


Source: Minerals Management Service



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Katrina versus Other Major Hurricanes - Shut-in Oil Production as a Percent of Daily GOM Production



Source: Minerals Management Service

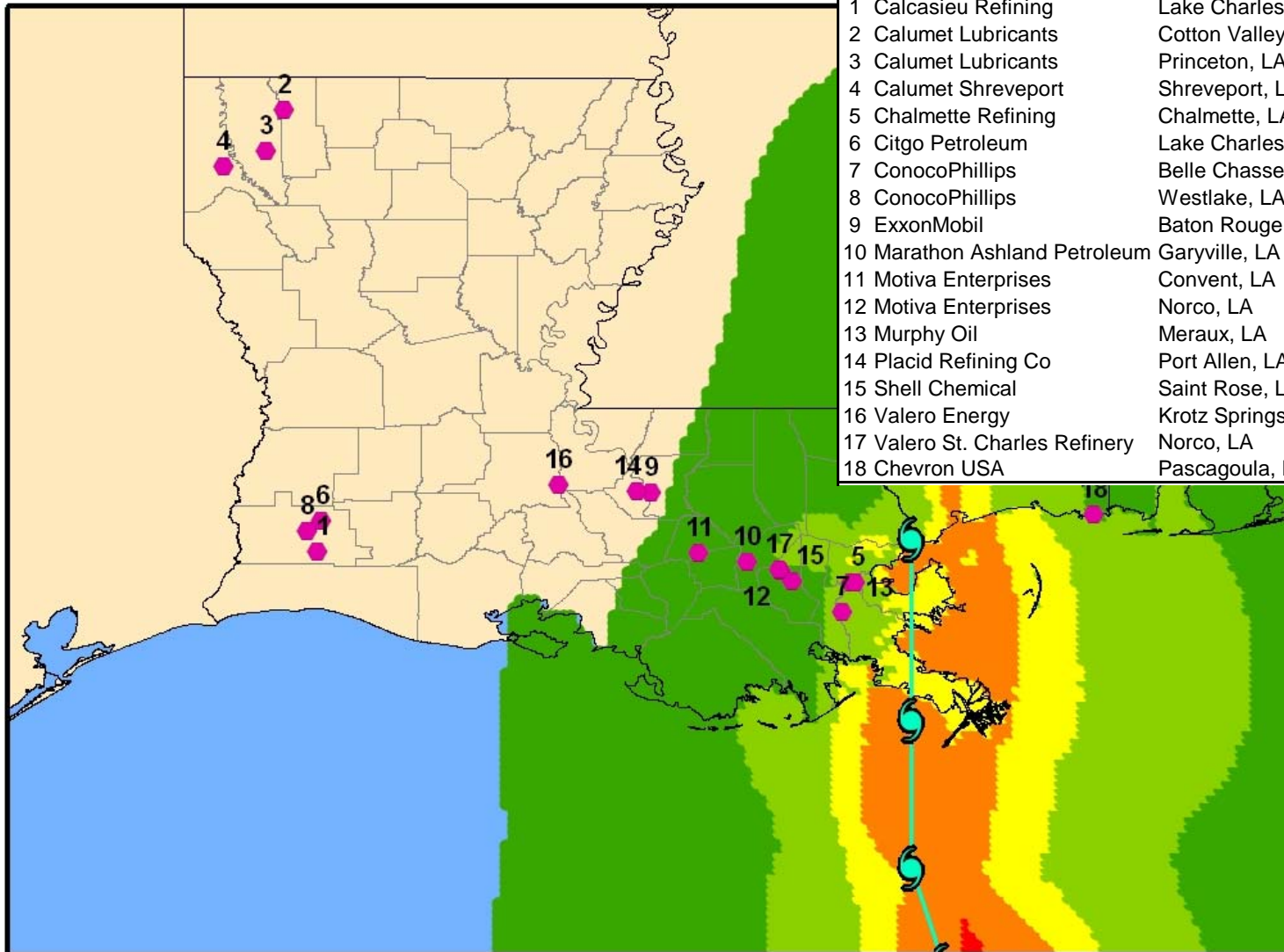


Refineries Impacted by Katrina Gulf Coast, Port Arthur and Lake Charles

Company	Location	Processing Capacity (barrels per day)	Status (as of August 31)
ExxonMobil	Baton Rouge, LA	493,500	reduced runs
ChevronTexaco	Pascagoula, MS	325,500	shutdown
Citgo	Lake Charles, LA	324,300	total supply loss
ConocoPhillips	Belle Chasse, LA	247,000	shutdown
Marathon	Garyville, LA	245,000	shutdown
ConocoPhillips	Lake Charles, LA	239,400	total supply loss
Motiva (Shell)	Convent, LA	235,000	shutdown
Motiva (Shell)	Norco, LA	226,500	shutdown
Total	Port Arthur, TX	211,500	reduced runs
ExxonMobil	Chalmette, LA	187,200	shutdown
Valero	St. Charles	185,000	shutdown
Murphy	Meraux	120,00	shutdown
Valero	Krotz Springs, LA	80,000	reduced runs
Shell Chemical	Saraland, AL	80,000	?
Shell Chemical	St Rose, LA	55,000	shutdown
Placid Oil	Port Allen, LA	48,500	reduced runs



Refineries Shutdown Due to Katrina

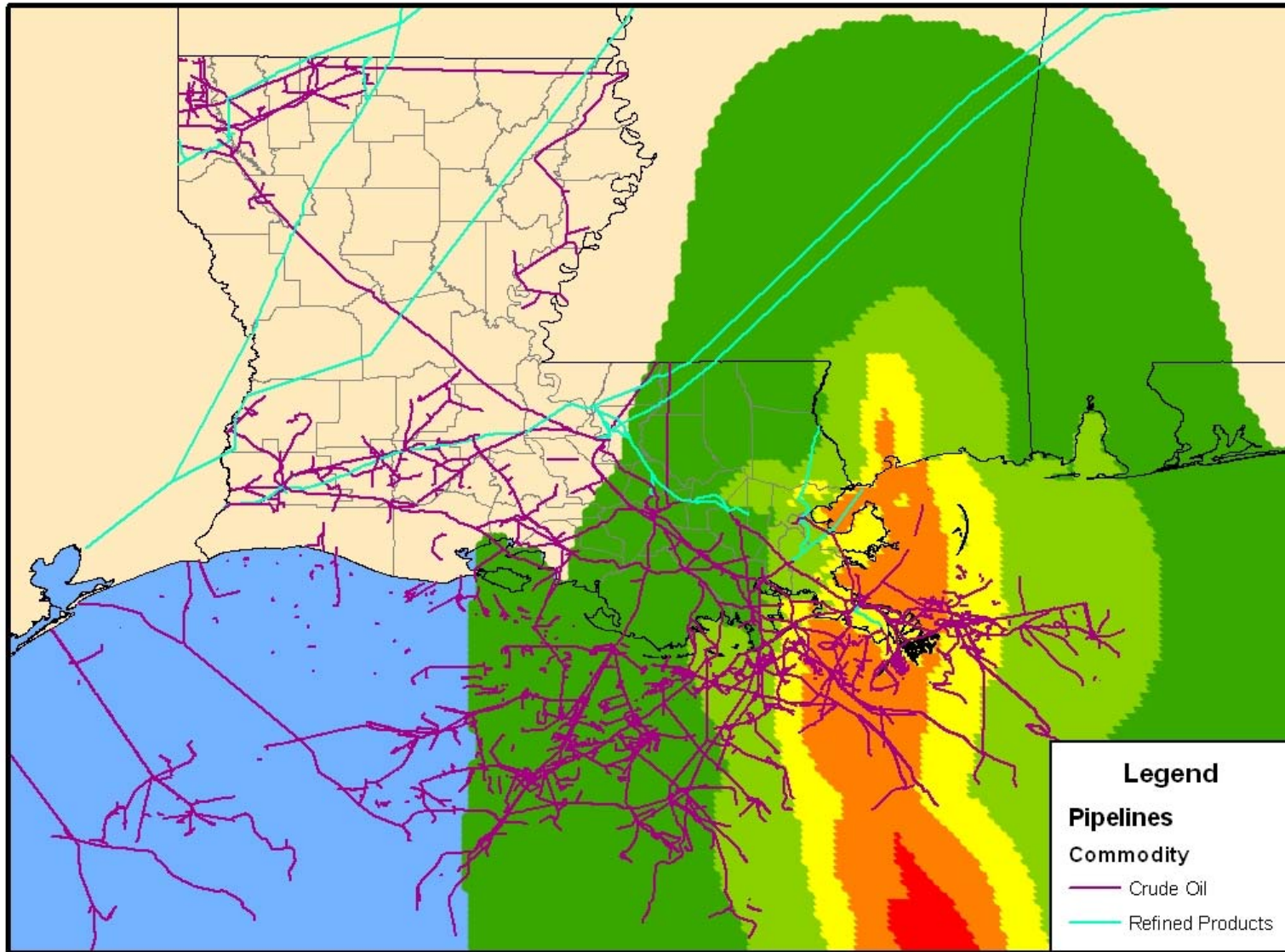


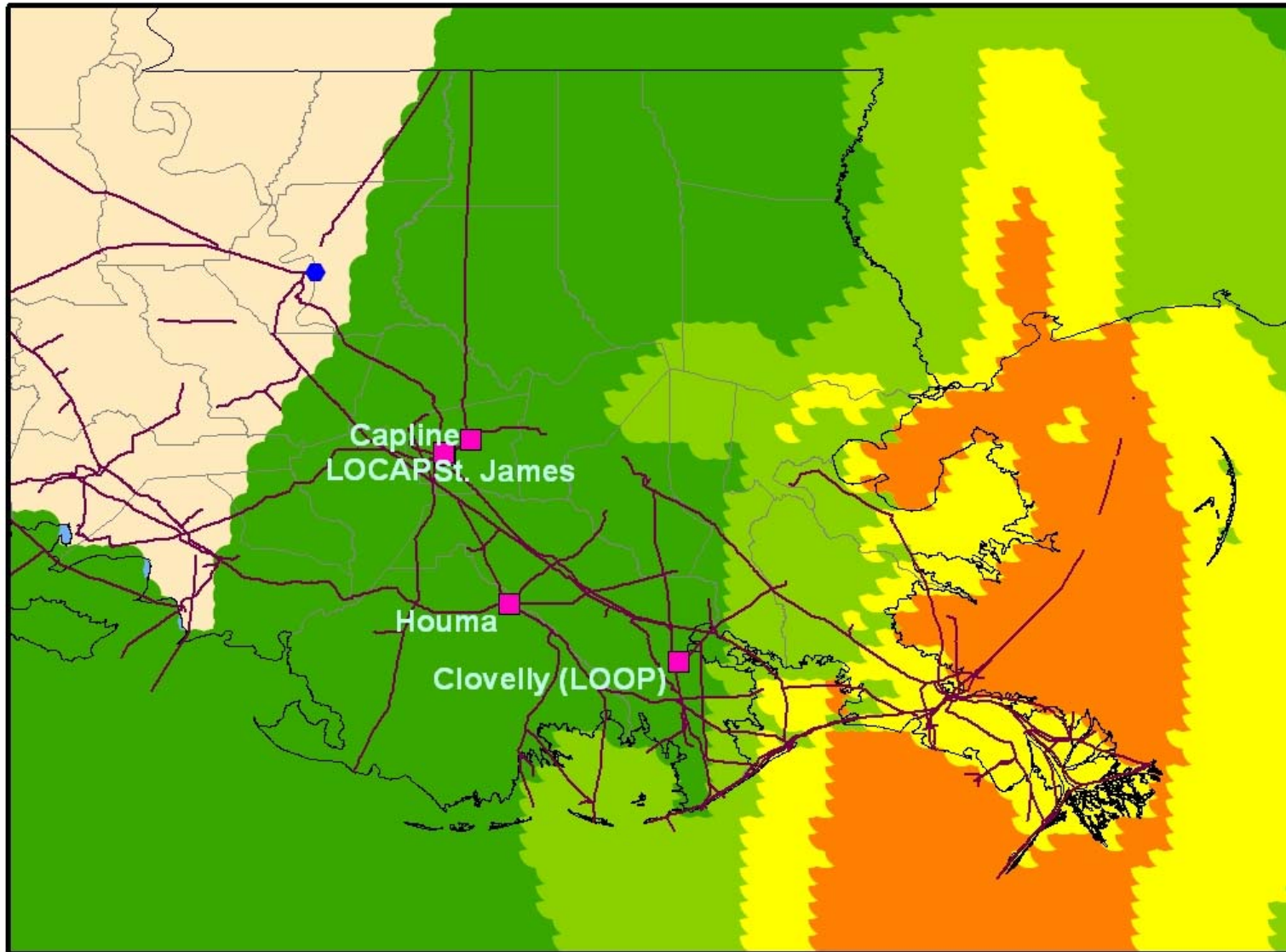
Refinery	Location	Capacity (bbls/day)	
1	Calcasieu Refining	Lake Charles, LA	30,000
2	Calumet Lubricants	Cotton Valley, LA	13,020
3	Calumet Lubricants	Princeton, LA	8,300
4	Calumet Shreveport	Shreveport, LA	35,000
5	Chalmette Refining	Chalmette, LA	187,200
6	Citgo Petroleum	Lake Charles, LA	324,300
7	ConocoPhillips	Belle Chasse, LA	247,000
8	ConocoPhillips	Westlake, LA	239,400
9	ExxonMobil	Baton Rouge, LA	493,500
10	Marathon Ashland Petroleum	Garyville, LA	245,000
11	Motiva Enterprises	Convent, LA	235,000
12	Motiva Enterprises	Norco, LA	226,500
13	Murphy Oil	Meraux, LA	120,000
14	Placid Refining Co	Port Allen, LA	48,500
15	Shell Chemical	Saint Rose, LA	55,000
16	Valero Energy	Krotz Springs, LA	80,000
17	Valero St. Charles Refinery	Norco, LA	185,003
18	Chevron USA	Pascagoula, MS	325,000



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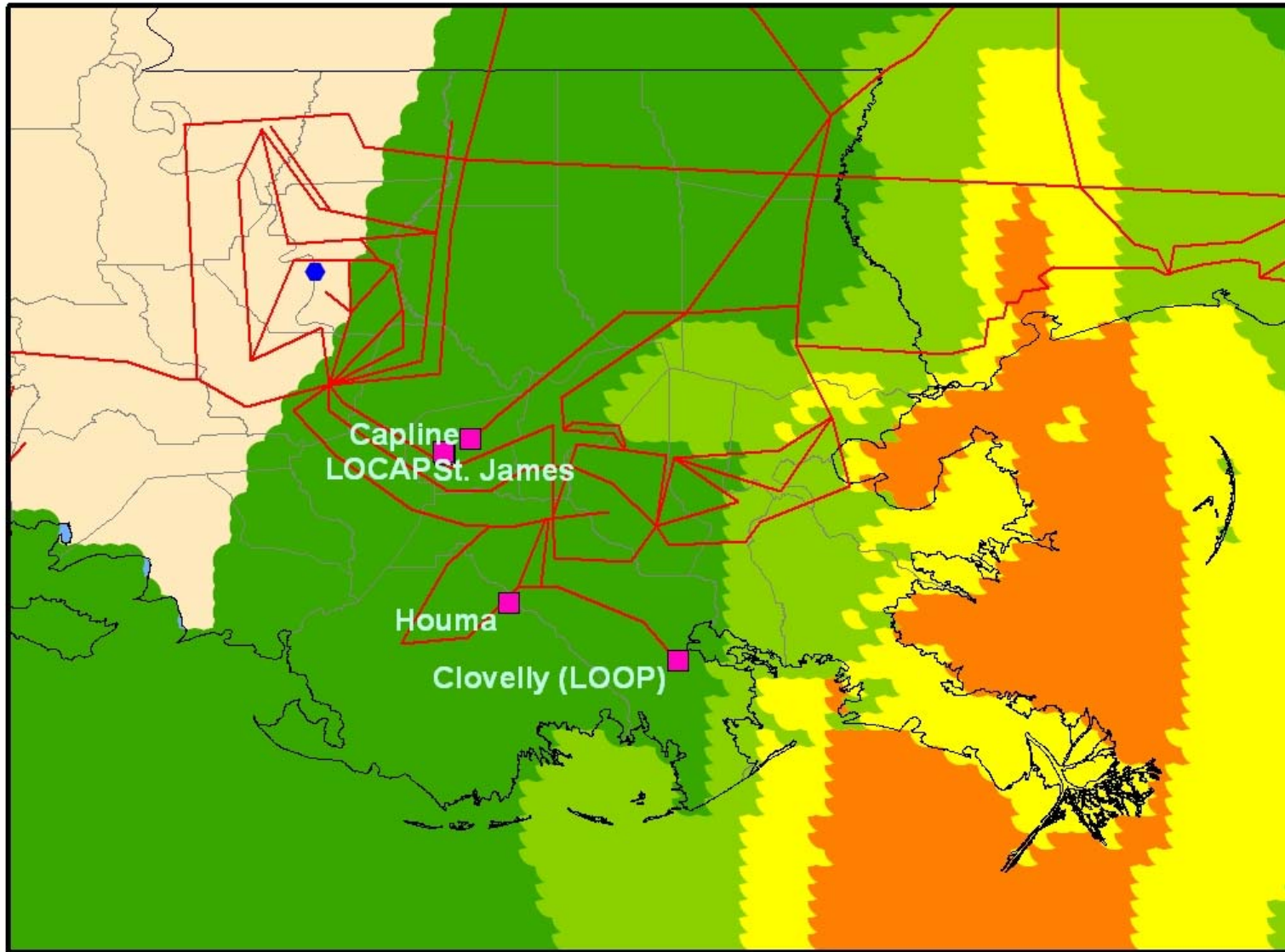
Crude and Product Pipelines Impacted by Katrina





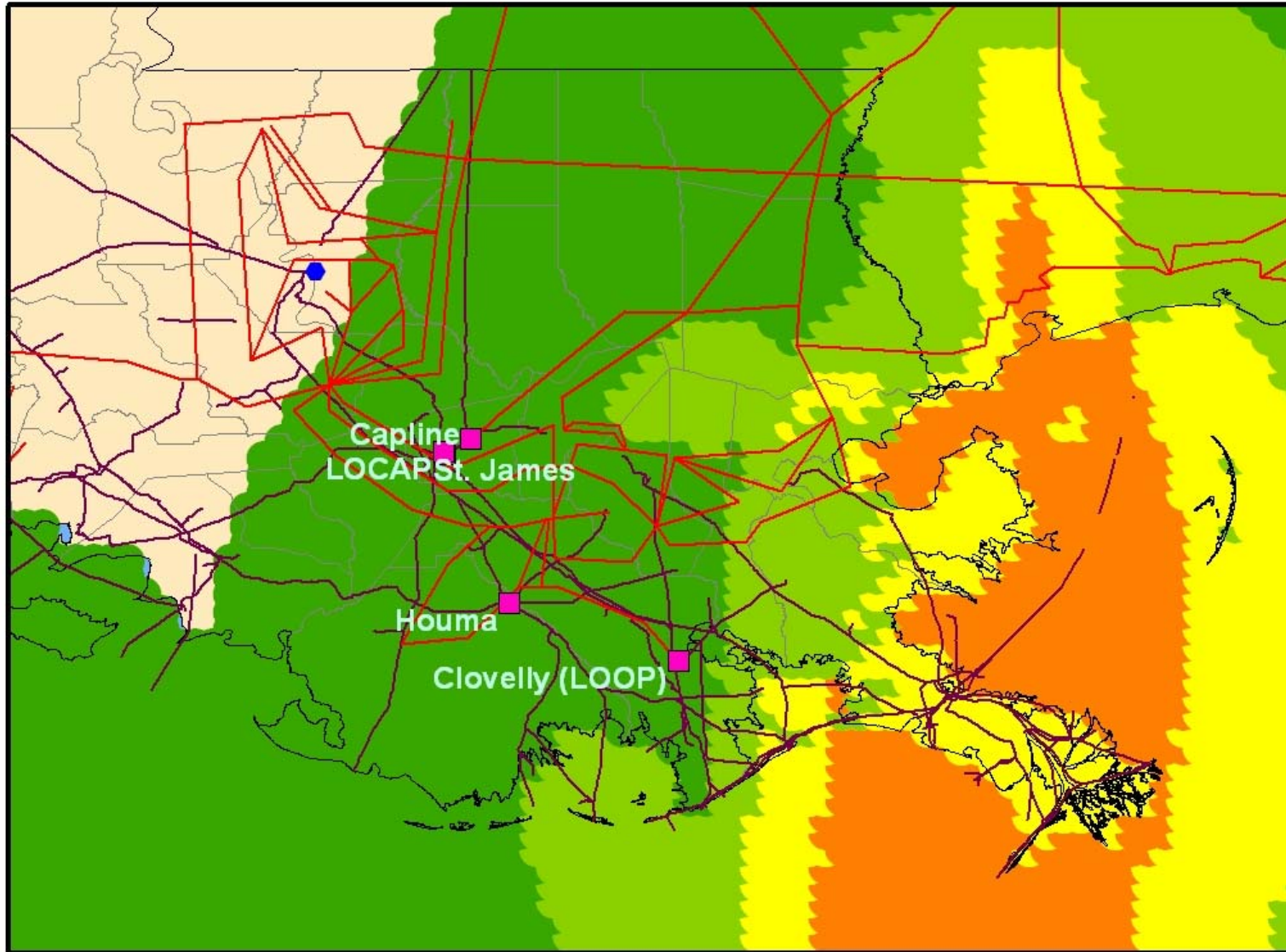


Critical Electricity Transmission Lines Impacted by Katrina





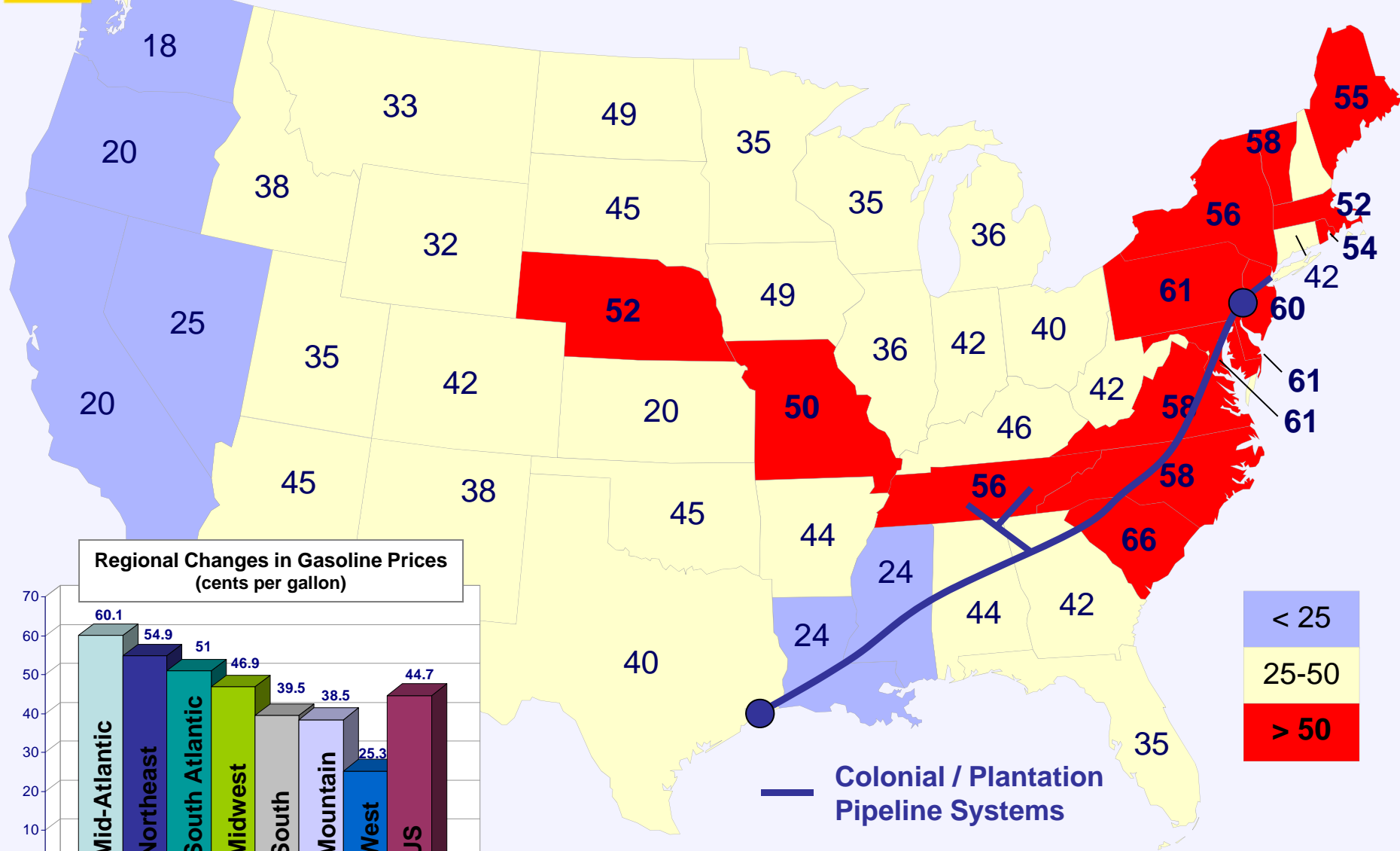
Critical Terminals and the Power-Pipeline Infrastructure





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Gasoline Price Increases August 30, 2005 to September 6, 2005



Source: American Petroleum Institute



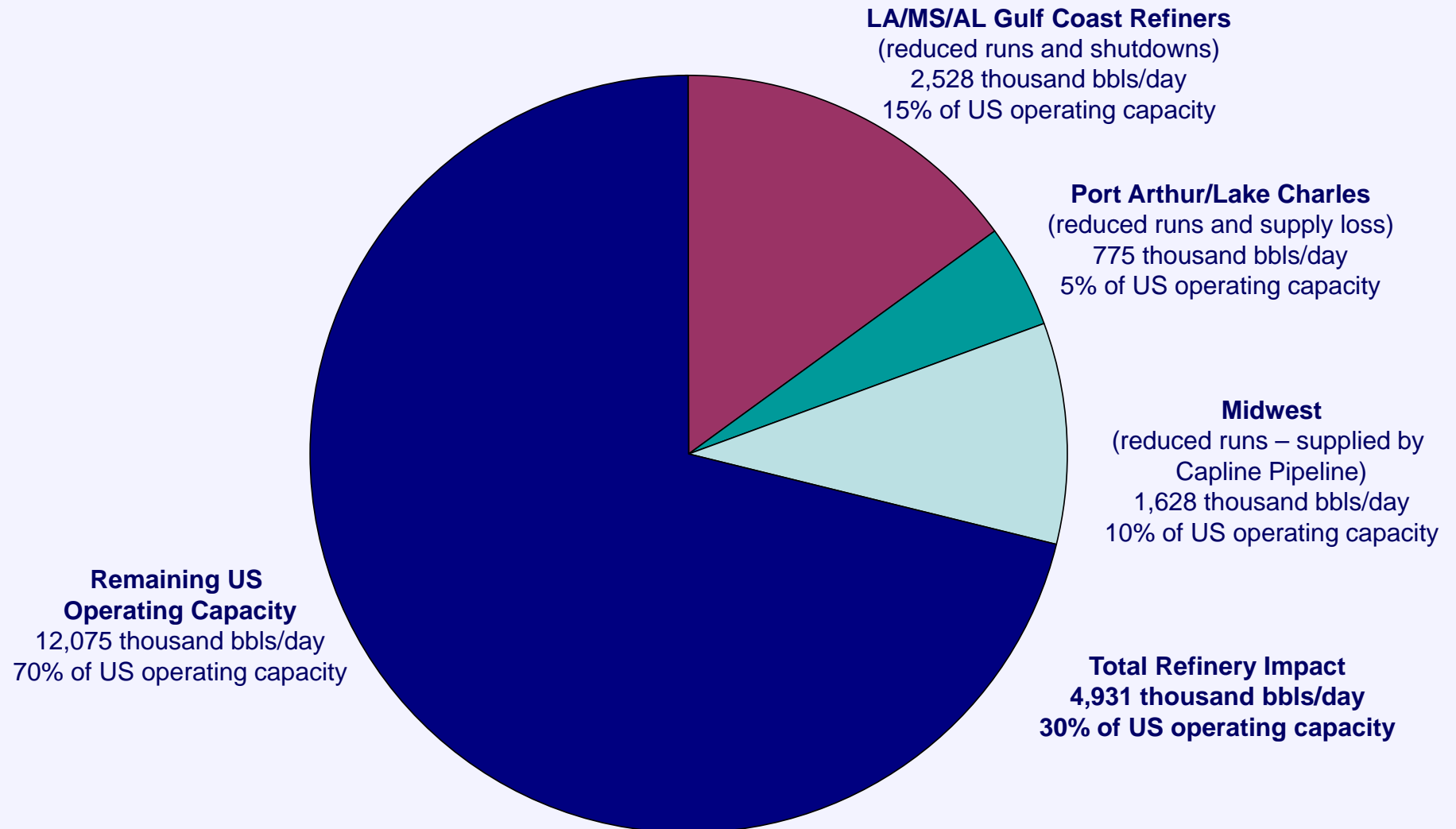
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Impacts to Refineries outside Gulf Coast Midwest Refiners Supplied by Capline Pipeline

Refinery	Location	Capacity (bbl/day)	Status (as of September 1)
BP	Whiting, IN	410,000	reduced runs
BP	Toledo, OH	160,000	reduced runs
ExxonMobil	Joliet, IL	238,000	none
PDV Midwest	Lemont, IL	160,000	none
Marathon	Robinson, IL	192,000	reduced runs
Marathon	Catlettsburg, KY	222,000	reduced runs
Marathon	Detroit, MI	74,000	none
Marathon	Canton, OH	73,000	none
ConocoPhillips	Wood River, IL	306,000	reduced runs
Premcor	Memphis, TN	180,000	reduced runs
Premcor	Lima, OH	158,400	reduced runs
Sun	Toledo, OH	160,000	not available



Total Immediate Refinery Impact



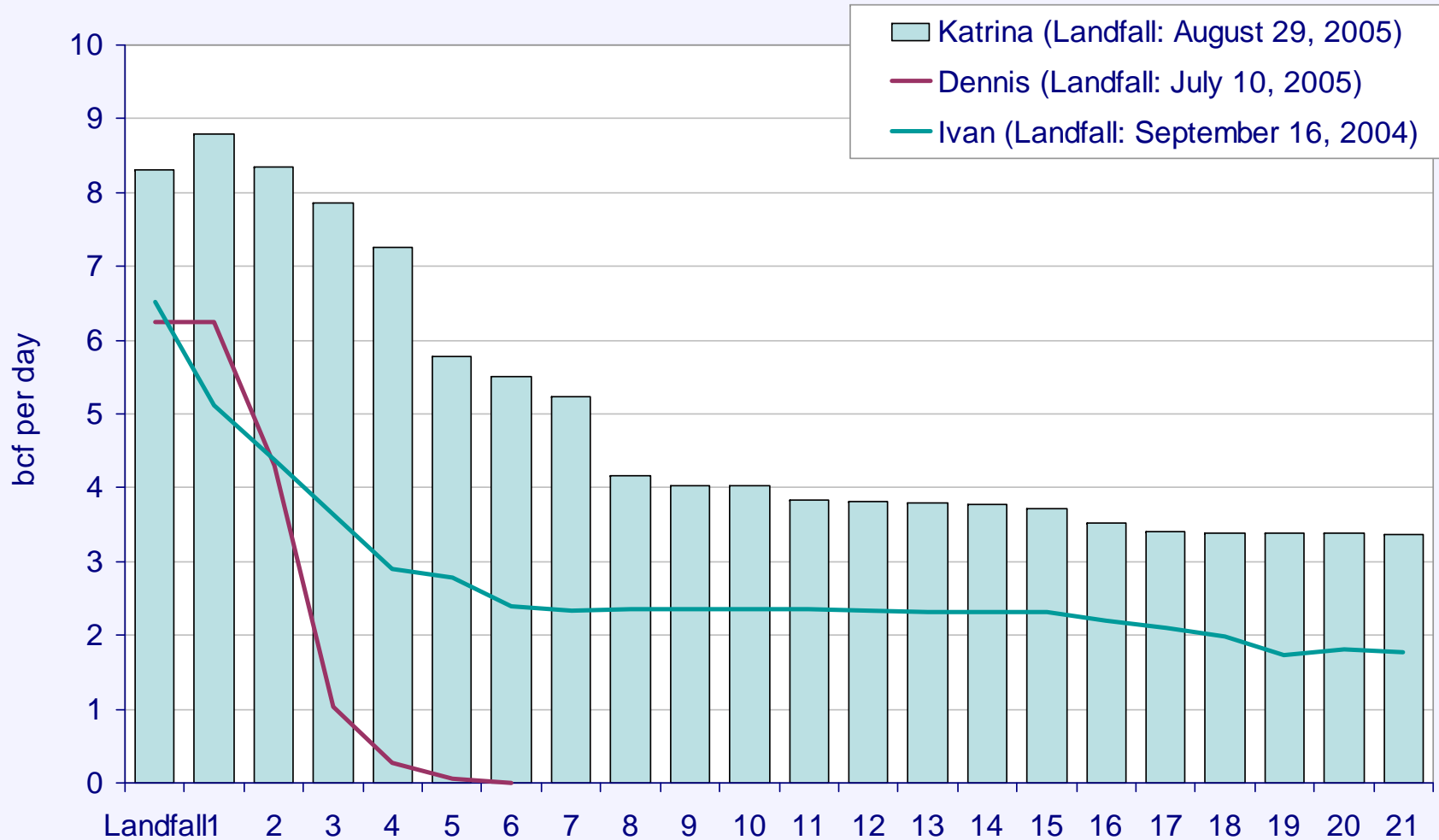


Date	Shut-in Gas Production (MMcf/day)	Percent of Daily GOM Production (%)	Cumulative Shut-in Gas Production (Bcf)	Percent of Annual GOM Production (%)
29-Aug-05	8,299	82.99%	15.4	0.42%
30-Aug-05	8,799	87.99%	25.4	0.70%
31-Aug-05	8,346	83.46%	34.2	0.94%
1-Sep-05	7,866	78.66%	42.1	1.15%
2-Sep-05	7,248	72.48%	49.0	1.34%
3-Sep-05	5,780	57.80%	52.2	1.43%
5-Sep-05	5,225	52.25%	64.1	1.76%
6-Sep-05	4,160	41.60%	67.6	1.85%
7-Sep-05	4,036	40.36%	71.7	1.96%
8-Sep-05	4,020	40.20%	75.8	2.08%
9-Sep-05	3,829	38.29%	80.4	2.20%
10-Sep-05	3,821	38.21%	84.2	2.31%
12-Sep-05	3,784	37.84%	91.8	2.52%
13-Sep-05	3,720	37.20%	95.5	2.62%
14-Sep-05	3,518	35.18%	99.0	2.71%
15-Sep-05	3,411	34.11%	102.4	2.81%
16-Sep-05	3,384	33.84%	105.8	2.90%
19-Sep-05	3,375	33.75%	115.9	3.18%



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Katrina versus Other Major Hurricanes Shut-in Natural Gas Production

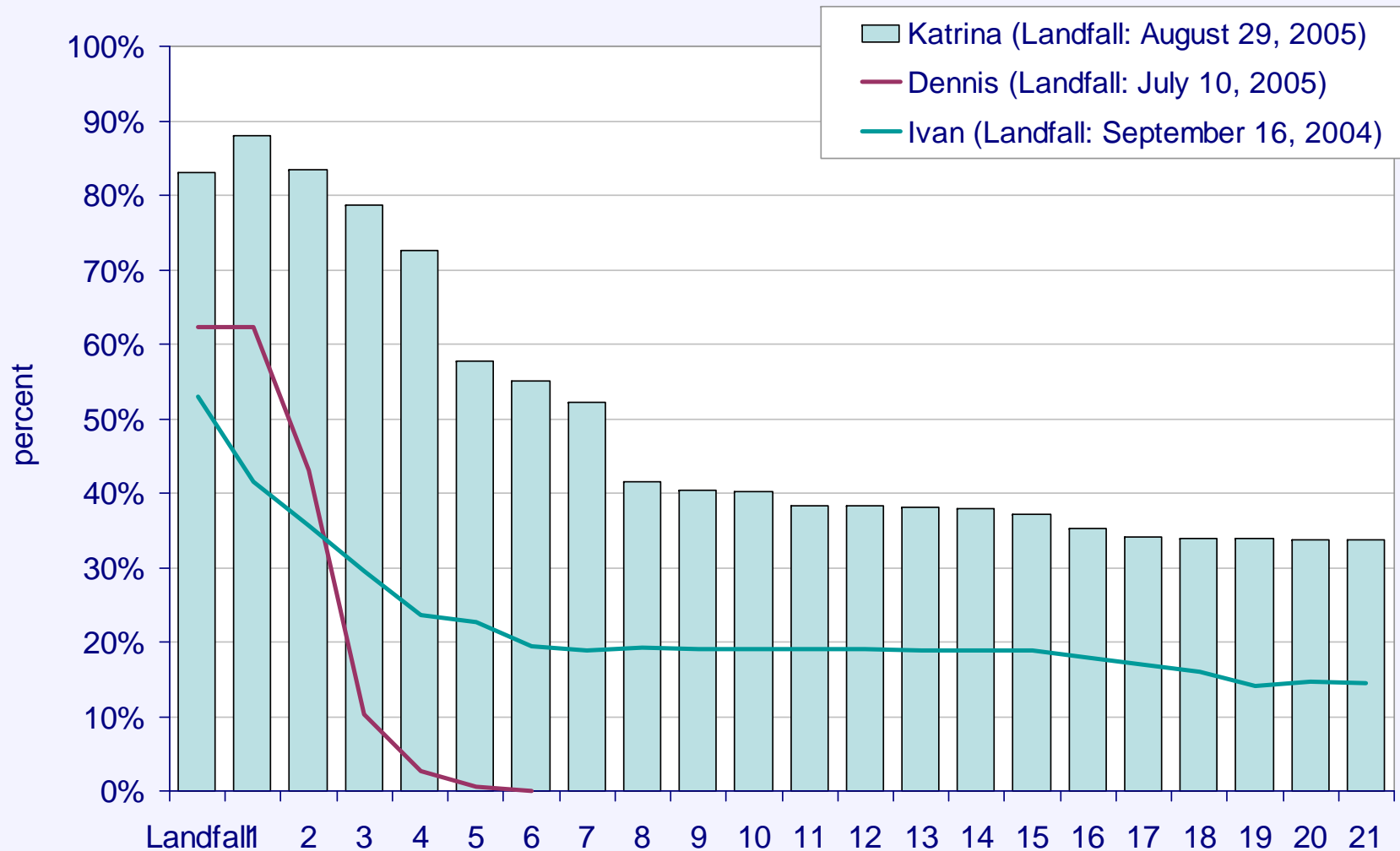


Source: Minerals Management Service



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Katrina versus Other Major Hurricanes - Shut-in Gas Production as a Percent of Daily GOM Production



Source: Minerals Management Service

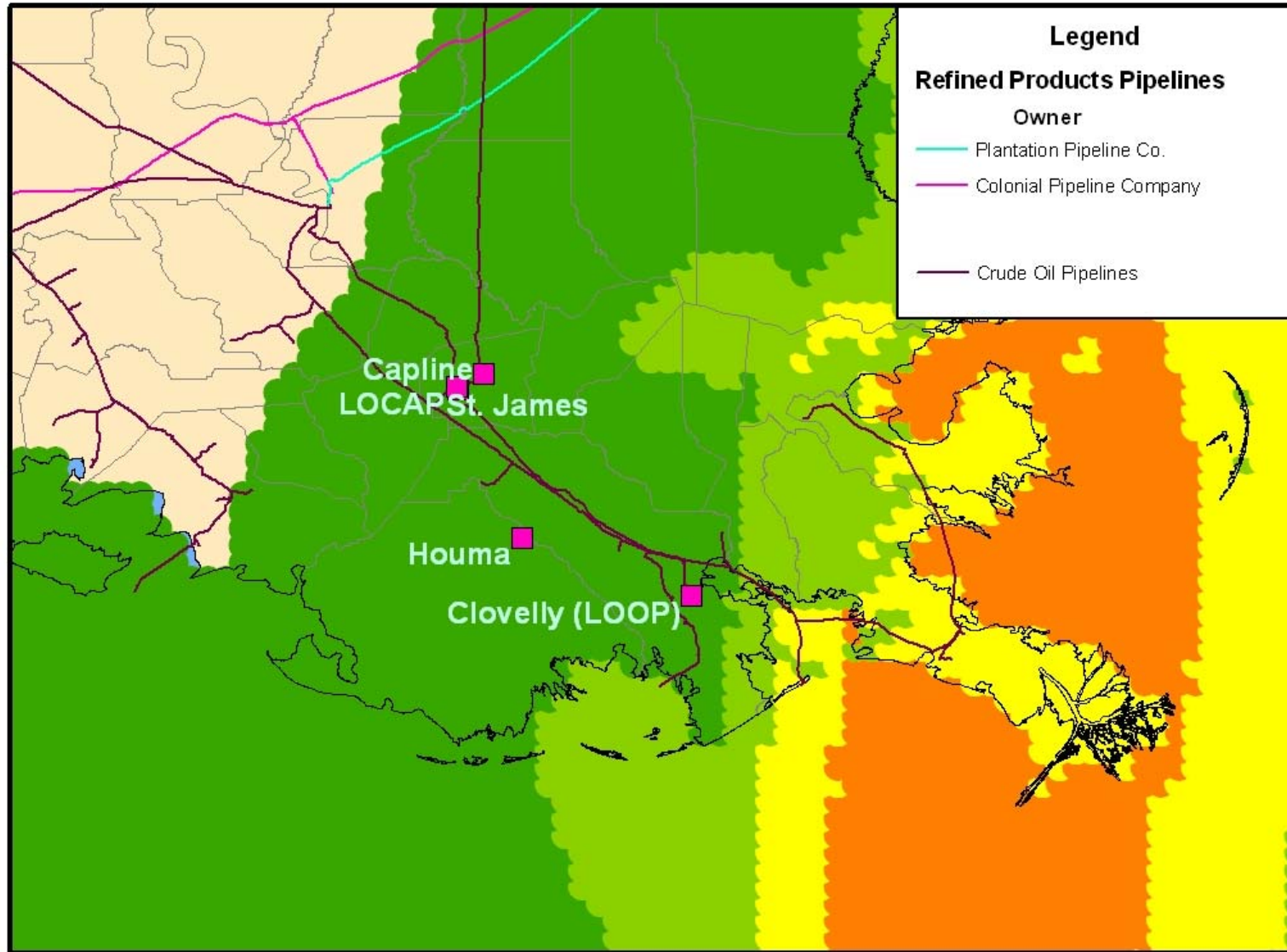


Number of Natural Gas Processing Facilities Out

Plant	Location	Capacity as of Jan 1, 2005 ----- (MMcf/d) -----	2004 Average Throughput	Status (as of September 10)
Duke Energy	Bay, AL	600	172	available for service, but waiting on pipeline outlet for liquids
BP	Pascagoula, MS	1,000	768	power restored. waiting for pipelines to deliver gas
Dynegy	Venice, LA	1,300	997	seawater damage. Could take 3-6 months to repair
Dynegy	Yscloskey, LA	1,850	1,343	seawater damage. Could take 3-6 months to repair
Enterprise Prod.	Toca, LA	1,100	468	assessment ongoing
ExxonMobil	Garden City, LA	630	n.a.	waiting on power
ExxonMobil	Grand Isle, LA	115	72	waiting on power
Marathon	Burns Point, LA	200	60	waiting on power



Pipeline	Type	Service area	Status
Capline	Crude Oil	Gulf coast to Midwest	shutdown then returned at reduced capacity
Plantation	Products	Gulf coast to East coast	reduced capacity
Colonial	Products	Gulf coast to East coast	reduced capacity
Louisiana Offshore Oil Port	Crude Oil	Offshore to Gulf coast	reduced capacity
Tennessee Gas Pipeline	Natural gas	Gulf coast to East coast	found damage and leaks in 36" and 26" pipelines
Enbridge Mississippi Canyon Corridor	Natural gas	Offshore to Gulf coast	found damage





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Power Outages Number of Customers

State Outage Data August 30, 2005 (as of 3 PM)			
State	Number of Customers without Power	Total Customers	Percent of Customers without Power
Alabama	624,427	2,339,004	27%
Florida	194,856	9,075,577	2%
Georgia	12,500	4,156,052	0%
Louisiana	890,294	2,130,925	42%
Mississippi	909,173	1,420,571	64%
Total	2,631,250	19,122,129	14%



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Power Outages Generating Stations

Company	Power Plant	Location	Nameplate Capacity (MW)
Entergy Louisiana	Ninemile Point	Westwego, LA	2,142
Entergy Louisiana	Baxter Wilson	Vicksburg, MS	1,328
Entergy New Orleans	Michoud	New Orleans, LA	959
Entergy New Orleans	AB Patterson 3 & 4	New Orleans, LA	133
Mississippi Power	Daniel	Escatawpa	1,064
Mississippi Power	Watson	Gulfport, MS	1,012



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Power Outages Generating Stations – Entergy Patterson



Source: Entergy



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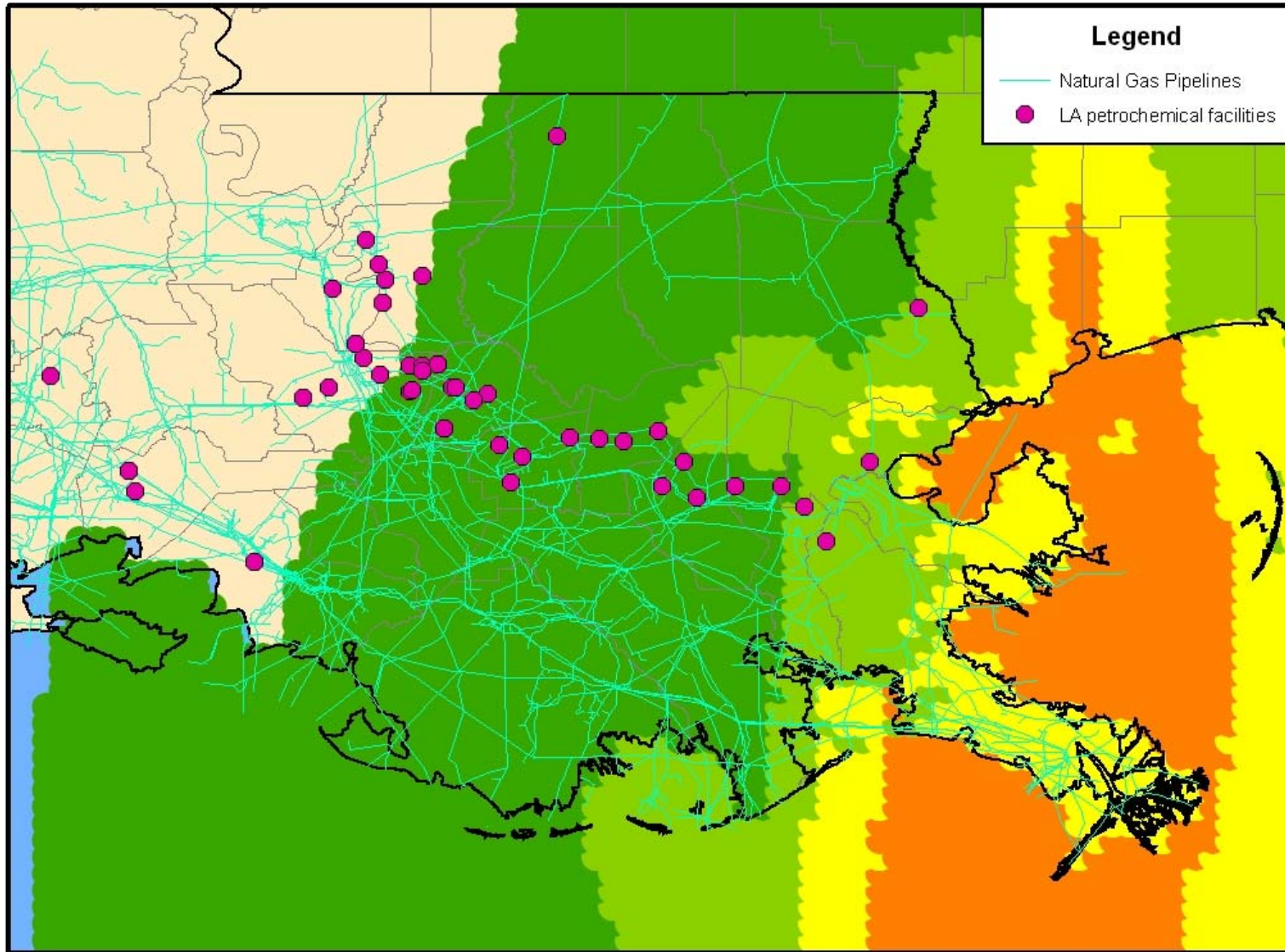
Power Outages Substation Damage



Source: Entergy

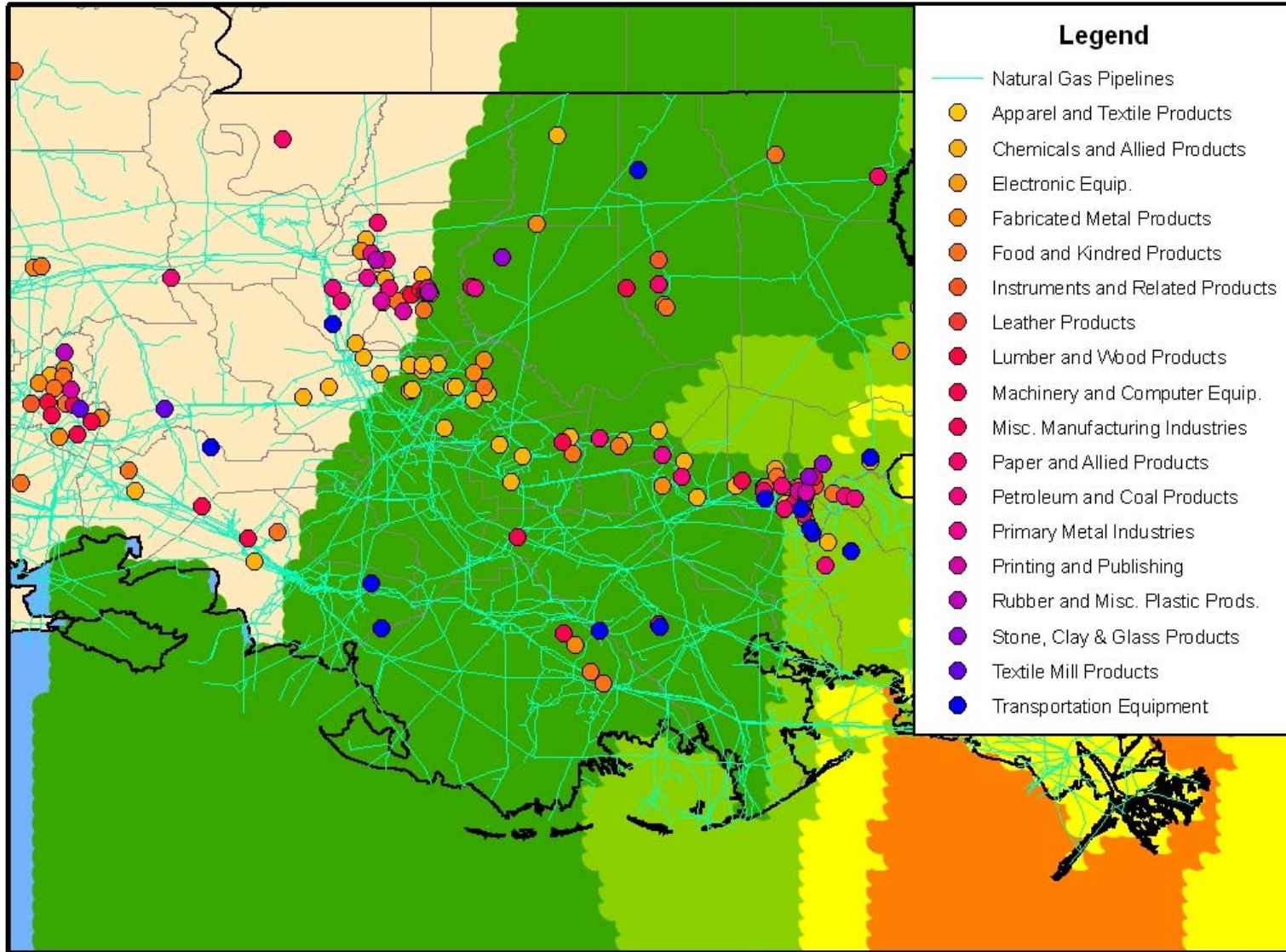


Petrochemical Facilities Impacted by Katrina





Industrial Facilities Impacted by Katrina





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Shell Mars Tension Leg Platform



Source: Shell.com



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Ocean Warwick Dauphin Island, AL





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Venice Port, Supply & Crew Bases





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Chevron Refinery Pascagoula, MS



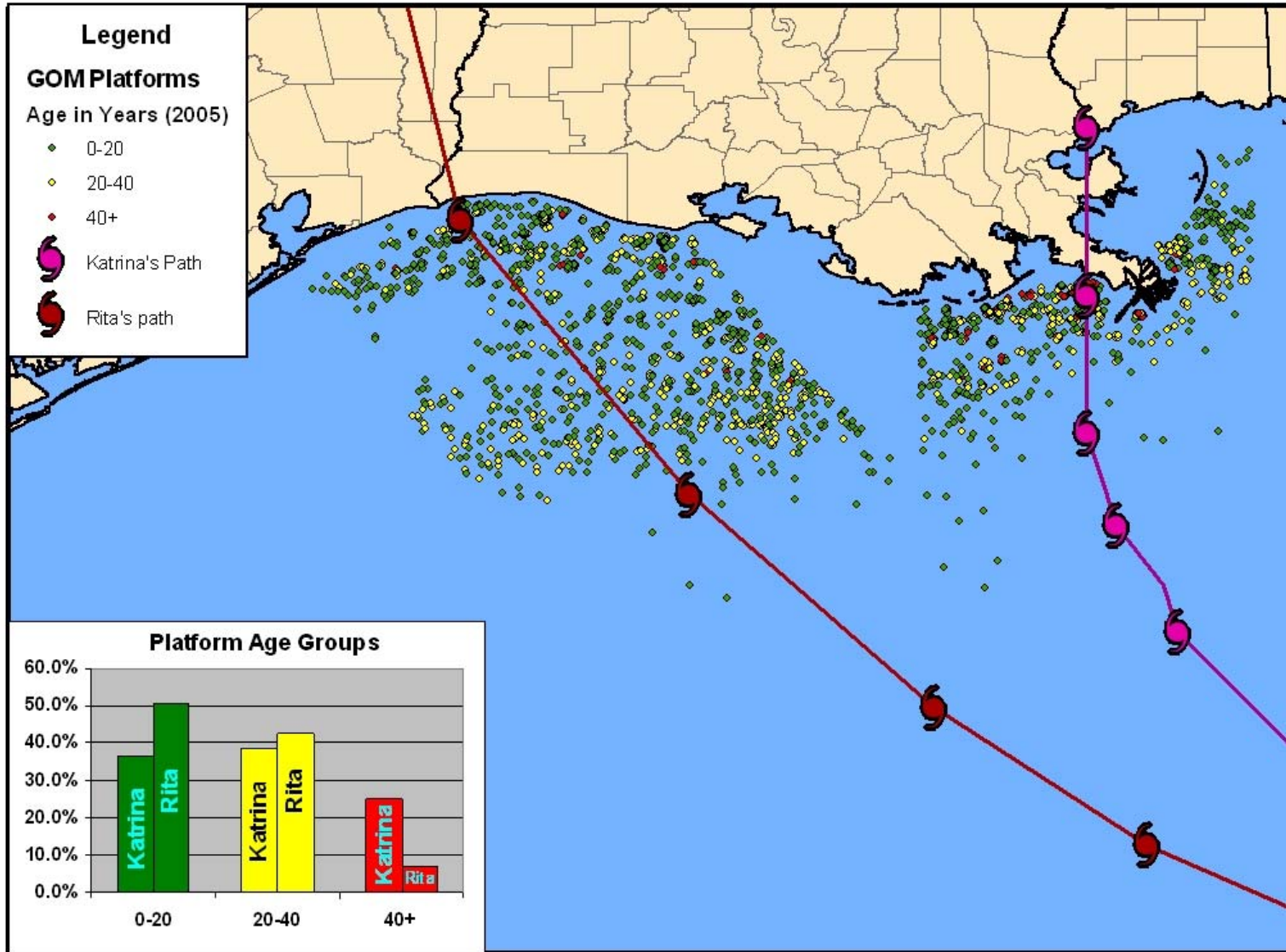


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Then,
Along Comes Rita



Platforms/Structures Impacted by Rita





Status / Operator	Rig Name	Rig Type	Year Built	Notes
Major Damage				
Chevron	GSF Adriatic VII	Jackup	1983	Ran aground in shallow waters offshore Louisiana; severe damage
Res Tech./ADTI	GSF High Island III	Jackup	1980	Ran aground in shallow waters offshore Louisiana; severe damage
Arena/ADTI	Noble Joe Alford	Submersible	1982	Drifted approx. 8 miles. Damage comprised of bent or broken support members below the hull
BHP Billiton	Noble Max Smith	Semisub	1999	Drifted 123 miles. Principal damage is large hole in starboard outboard column, a crossover deck, and the main deck outboard of an anchor winch.
Newfield	Rowan Louisiana	Jackup	1975	The hull apparently detached from its legs and is aground offshore Louisiana.
Minor Damage				
LLOG	Ocean Saratoga	Semisub	1976	Rig grounded in 35' of water on Vermilion 111.
Kerr McGee	Ocean Star	Semisub	1974	Rig grounded in 35' of water in Eugene Island 142.
ExxonMobil	ENSCO 68	Jackup	1976	Drill floor shifted.
Energy Resource Technology	ENSCO 69	Jackup	1976	Skid-off drilling package shifted on the oil company platform.
Apache	ENSCO 90	Jackup	1982	Rig is listing on location at South Marsh 130.
Chevron	Hercules 21	Jackup		Rig listing on Main Pass 41.
Petroquest	Barge 300	Inland Barge		Rig submerged on location; water damage to the electrical, power, mud pump and other systems.
Nabors Offshore	Dolphin 111	Jackup	1982	Windows in the pilot house and quarters blown out; water damage to control systems and the quarters.
Houston Exploration	Pool 54	Jackup	1982	Mast was blown over but Nabors has a substitute mast available and should be able to return the rig to service in a few weeks.
Petrobras	Noble Lorris Bouzigard	Semisub	1975	Broke some mooring lines, remaining lines holding the unit in position approximately 0.8 of a mile off its original location.
Adrift				
Kerr McGee	Noble Amos Runner	Semisub	1999	Rig drifted 75 miles off location.
Anadarko	Noble Paul Romano	Semisub	1998	Rig Drifted 118 miles off location.
Chevron	Noble Therald Martin	Semisub	1977	Rig drifted 89 miles off location
Hunt	Rowan Fort Worth	Jackup	1978	Unable to locate rig.
Remington O&G	Rowan Halifax	Jackup	1982	Rig drifted off pre-storm location.
Remington O&G	Rowan Odessa	Jackup	1976	Rig moved off pre-storm location.
Shell	Deepwater Nautilus	Semisub	2000	Moved 40 miles south of pre-storm location.
BP	Transocean Marianas	Semisub	1998	Moved 130 miles norwest of pre-storm location



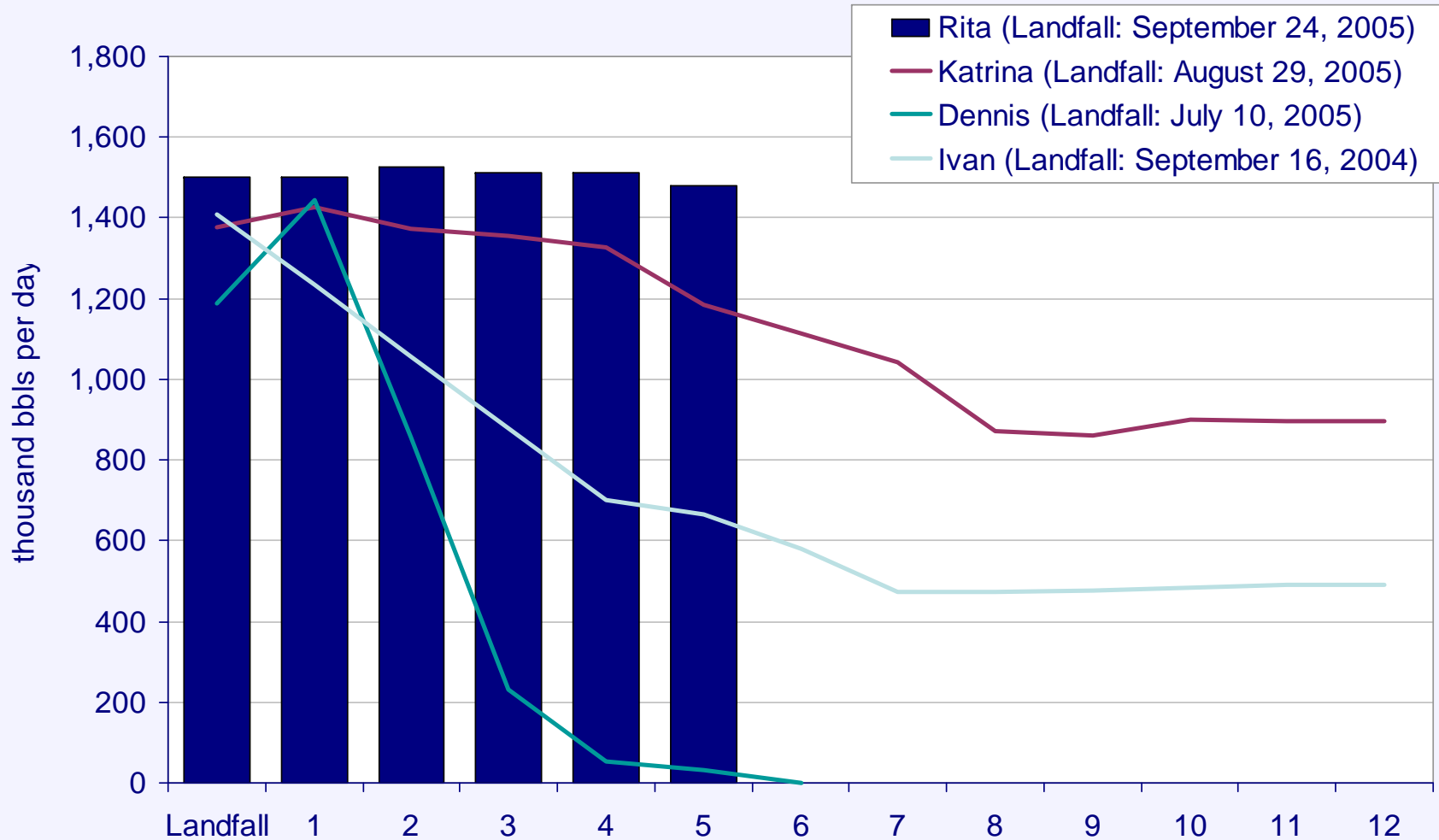
Date	Shut-in Oil Production (bbls/day)	Percent of Daily GOM Production (%)	Rita Cumulative Shut-in Oil Production (bbls/day)	Percent of Annual GOM Production (%)	Total Cumulative Shut-in Oil Production ¹ (bbls)	Percent of Annual GOM Production (%)
20-Sep-05	877,275	58.5%	877,275	0.2%	26,000,491	4.7%
21-Sep-05	1,097,357	73.2%	1,974,632	0.4%	27,104,502	5.0%
22-Sep-05	1,379,000	91.9%	3,353,632	0.6%	28,483,502	5.2%
23-Sep-05	1,486,877	99.1%	4,840,509	0.9%	30,280,661	5.5%
24-Sep-05	1,500,898	100.0%	6,341,407	1.2%	31,781,559	5.8%
25-Sep-05	1,501,863	100.0%	7,843,270	1.4%	33,283,422	6.1%
26-Sep-05	1,527,630	100.0%	9,370,900	1.7%	34,811,397	6.4%
27-Sep-05	1,512,937	100.0%	10,883,837	2.0%	36,361,383	6.6%
28-Sep-05	1,511,715	100.0%	12,395,552	2.3%	37,881,777	6.9%
29-Sep-05	1,478,780	98.59%	13,874,332	2.5%	39,360,557	7.2%

Note: ¹ cumulative production is as of August 26, 2005
Source: Minerals Management Service



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Rita versus Other Major Hurricanes Shut-in Oil Production

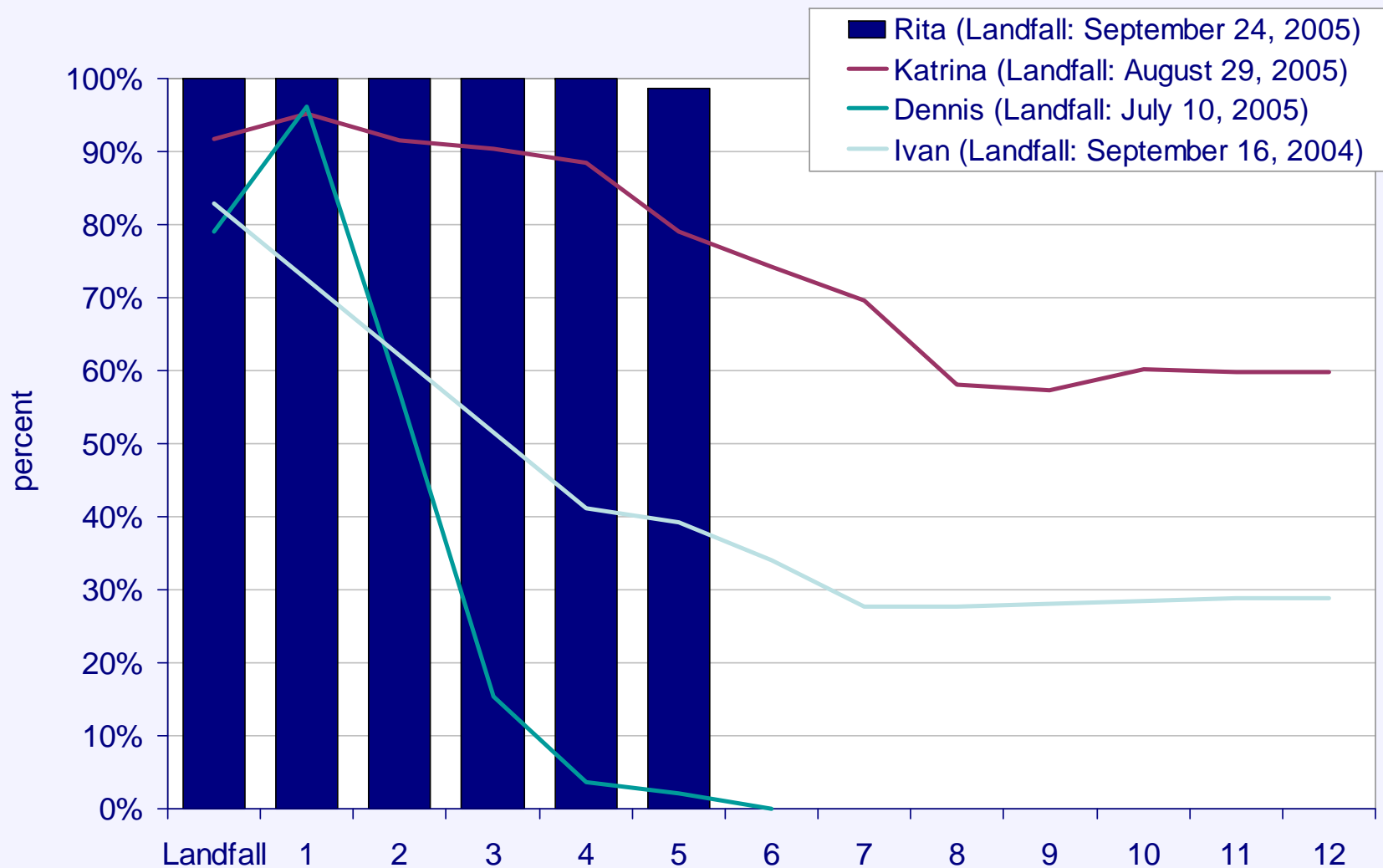


Source: Minerals Management Service



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Rita versus Other Major Hurricanes - Shut-in Oil Production as a Percent of Daily GOM Production



Source: Minerals Management Service

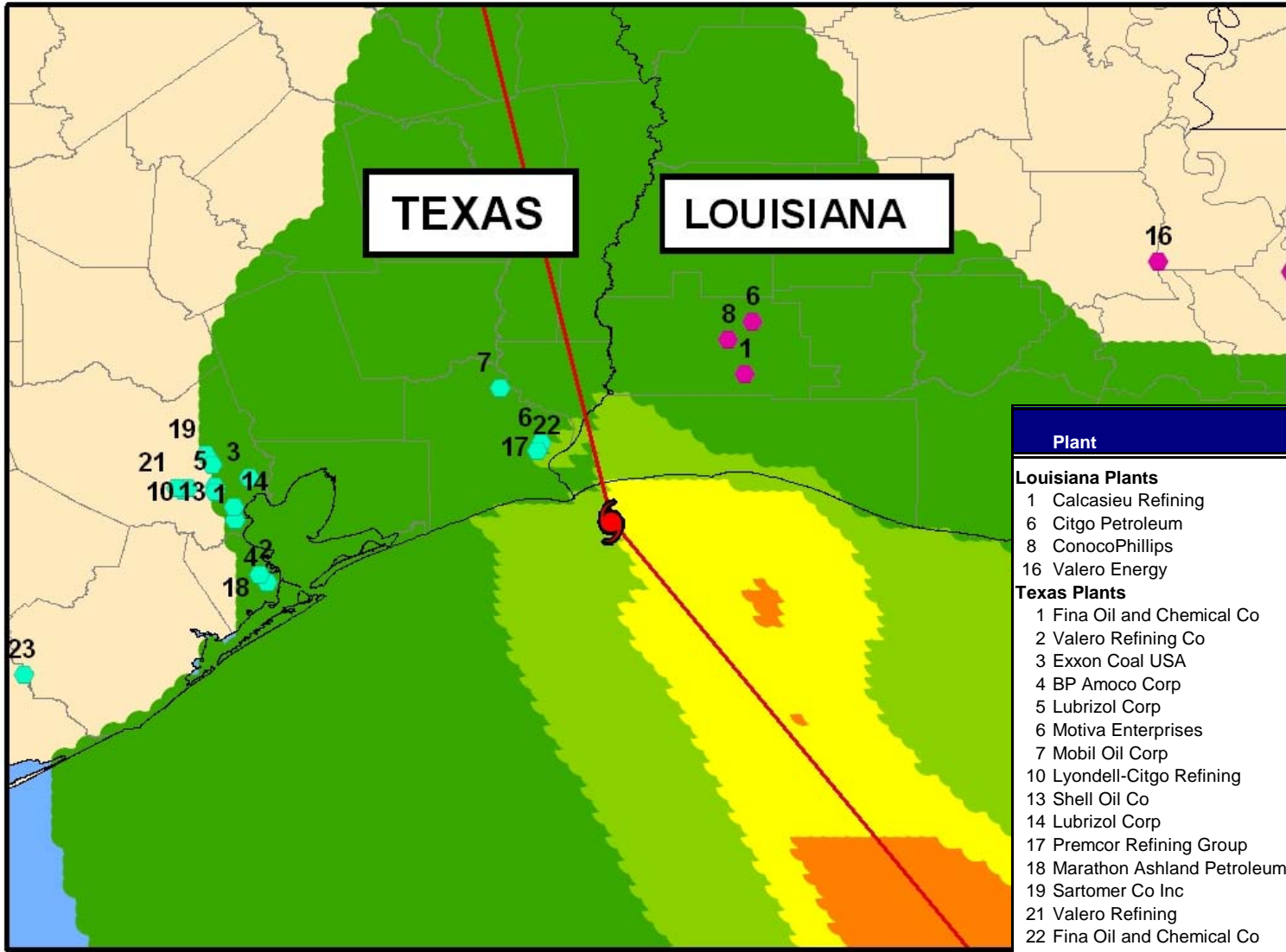


Refineries Impacted by Rita Port Arthur, Houston and Corpus Christi

Company	Location	Capacity (barrels/day)	Status (as of September 26, 2005)
Port Arthur / Lake Charles			
Citgo	Lake Charles, LA	324,300	shut down; minor damage reported
Conoco Phillips	West Lake, LA	239,400	shut down; wind damage and no power
Calcasieu	Lake Charles, LA	30,000	shut down
ExxonMobil	Beaumont, TX	348,500	shut down; no power
Shell (Motiva)	Port Arthur, TX	285,000	shut down; minor damage reported
Total	Port Arthur, TX	233,500	shut down
Valero (Premcor)	Port Arthur, TX	255,000	shut down; significant damage
Total		1,715,700	
Houston / Texas City			
Shell Deer Park	Deer Park, TX	333,700	shut down; minimal damage
Lydonell Citgo	Houston, TX	270,200	restarting
Astra Oil (Crown C	Pasadena, TX	100,000	shut down
Valero	Houston, TX	83,000	shut down
ExxonMobil	Baytown, TX	557,000	shut down; ready for restart
BP	Texas City, TX	437,000	shut down
Valero	Texas City, TX	209,950	shut down; may restart soon
Marathon	Texas City, TX	72,000	shut down; minimal damage
ConocoPhillips	Sweeny, TX	229,000	restarting
Total		2,291,850	
Corpus Christi			
Flint Hills Resource	Corpus Christi, TX	288,126	returning to full rate
Citgo	Corpus Christi, TX	156,000	okay
Valero	Corpus Christi, TX	142,000	returning to full rate
Trigeant	Corpus Christi, TX	30,000	returning to full rate
Valero	Corpus Christi, TX	90,000	returning to full rate
Total		706,126	



Refineries Shutdown Due to Rita



Plant	Location	Barrels per Day
Louisiana Plants		
1 Calcasieu Refining	Lake Charles	30,000
6 Citgo Petroleum	Lake Charles	324,300
8 ConocoPhillips	Westlake	239,400
16 Valero Energy	Krotz Springs	80,000
Texas Plants		
1 Fina Oil and Chemical Co	Pasadena	80,000
2 Valero Refining Co	Texas City	90,000
3 Exxon Coal USA	Baytown	75,000
4 BP Amoco Corp	Texas City	84,000
5 Lubrizol Corp	Deer Park	80,000
6 Motiva Enterprises	Port Arthur	59,000
7 Mobil Oil Corp	Beaumont	82,000
10 Lyondell-Citgo Refining	Houston	99,000
13 Shell Oil Co	Deer Park	88,000
14 Lubrizol Corp	Pasadena	80,000
17 Premcor Refining Group	Port Arthur	100,000
18 Marathon Ashland Petroleum	Texas City	96,000
19 Sartomer Co Inc	Houston	100,000
21 Valero Refining	Houston	92,000
22 Fina Oil and Chemical Co	Port Arthur	85,000
23 Phillips Petroleum	Old Ocean	100,000

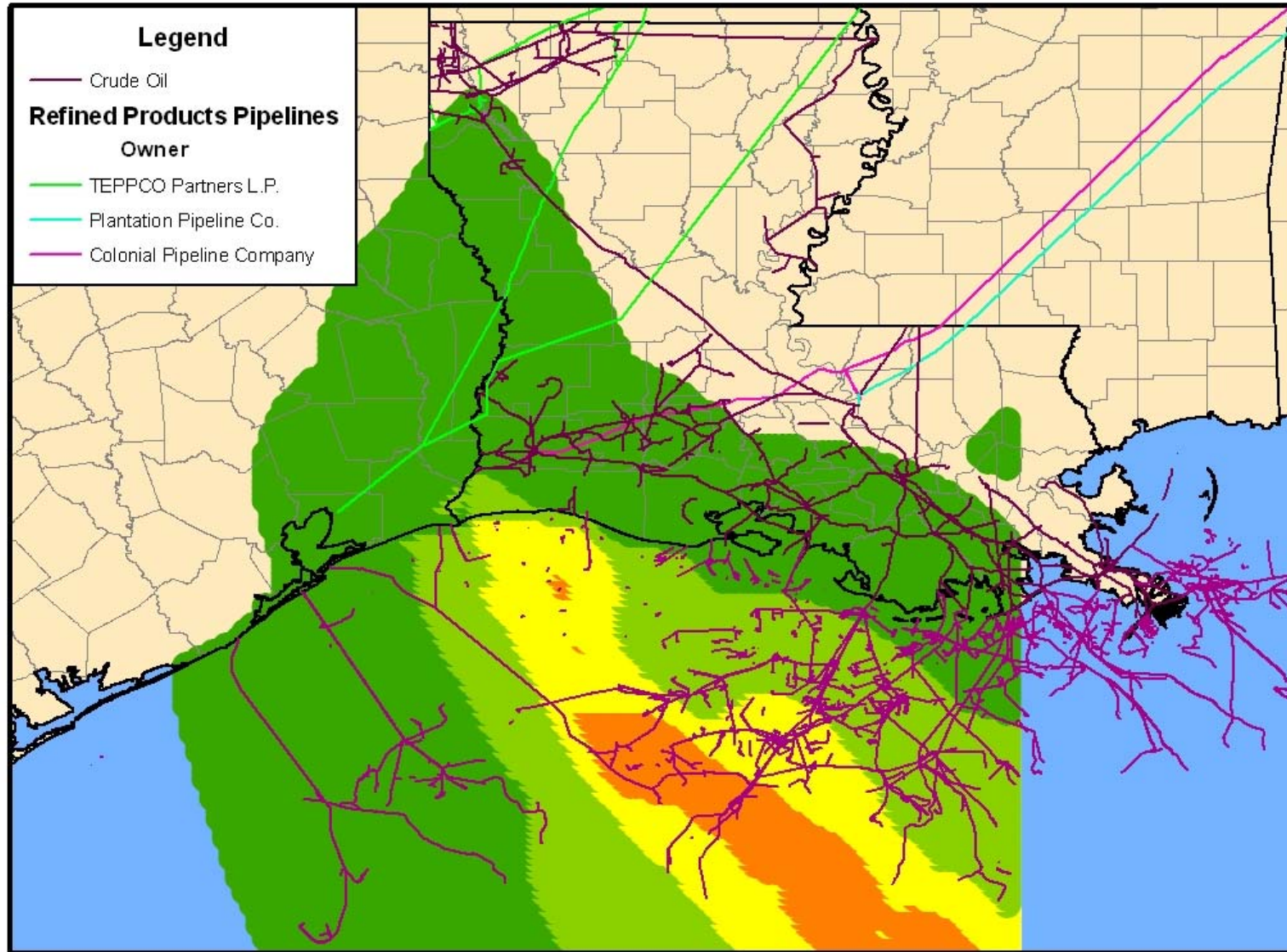


Product & Crude Pipeline Curtailments

Company	Location	Status (as of September 26, 2005)
Crude Pipelines		
Seaway Crude Pipeline	Texas Gulf to Cushing, OK	operating
Capline	St. James, LA to Patoka, IL	operating at 75 percent of capacity
Sun Pipeline	Nederland, TX terminal	shutdown
Product Pipelines		
Dixie (propane)	Mt. Belvieu, TX to NC and GA	partial operation, no power
Explorer	LA to OH	limited service
Colonial	Houston, TX	restarted, enabling 42% of normal, mainline operational capacity
Longhorn	Houston to NM and AZ	partially shutdown
Centennial System	Beaumont, TX to Creal Springs, IL	shut down
Magellan Pipeline	TX and OK	operational; portions closed
Plantation	Baton Rouge, LA to Washington DC	operating
TEPPCO	Beaumont, TX to NY	operating at 45% capacity



Crude and Product Pipelines Impacted by Rita





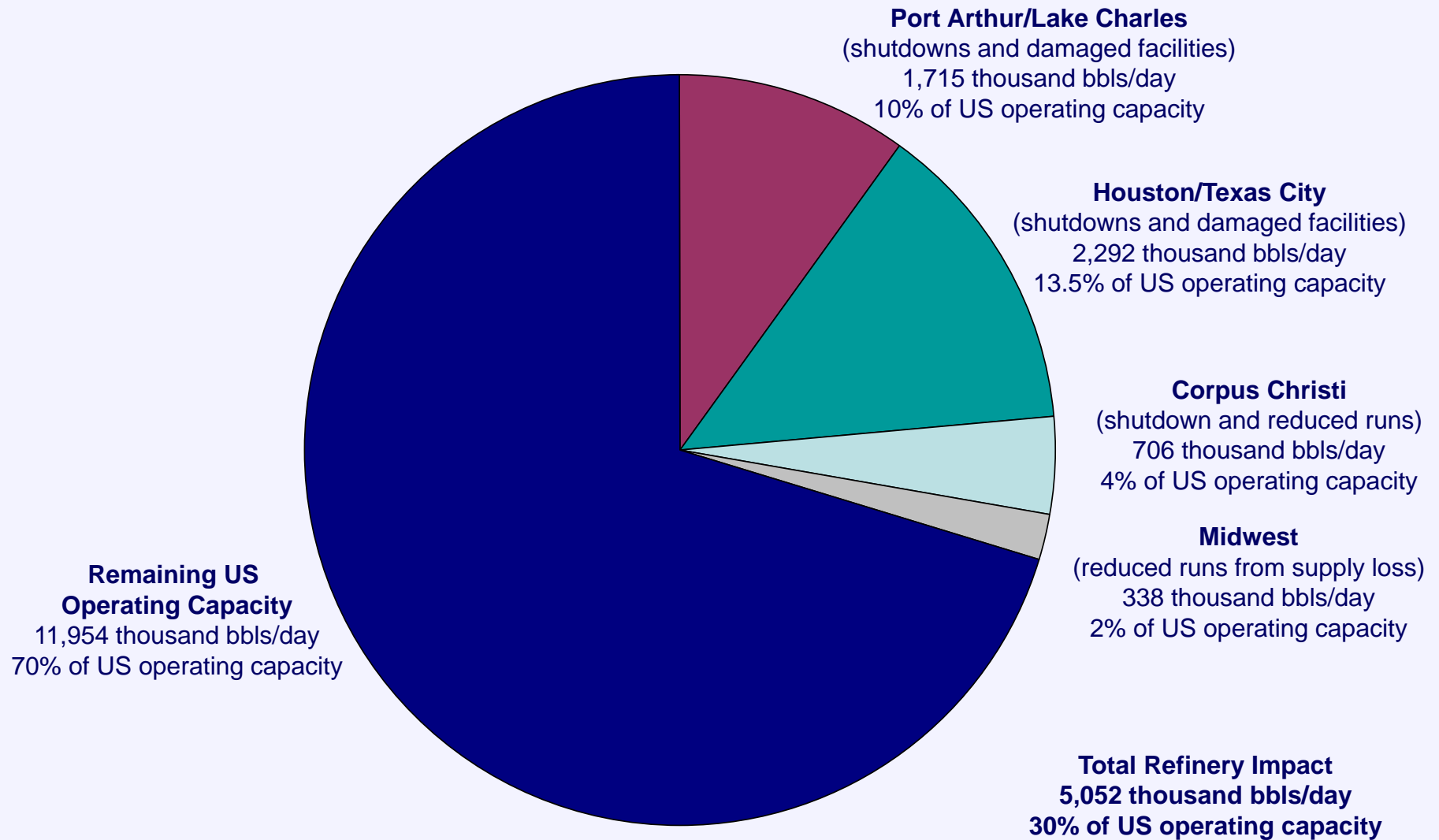
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Impacts from Rita to Refineries outside Gulf Coast Refiners Supplied by Gulf Area Pipelines

Company	Location	Capacity (barrels/day)	Status (as of September 26, 2005)
Valero	Lima, OH	158,400	reduced runs
Valero	Memphis, TN	180,000	reduced runs
Total		338,400	



Total Immediate Refinery Impact



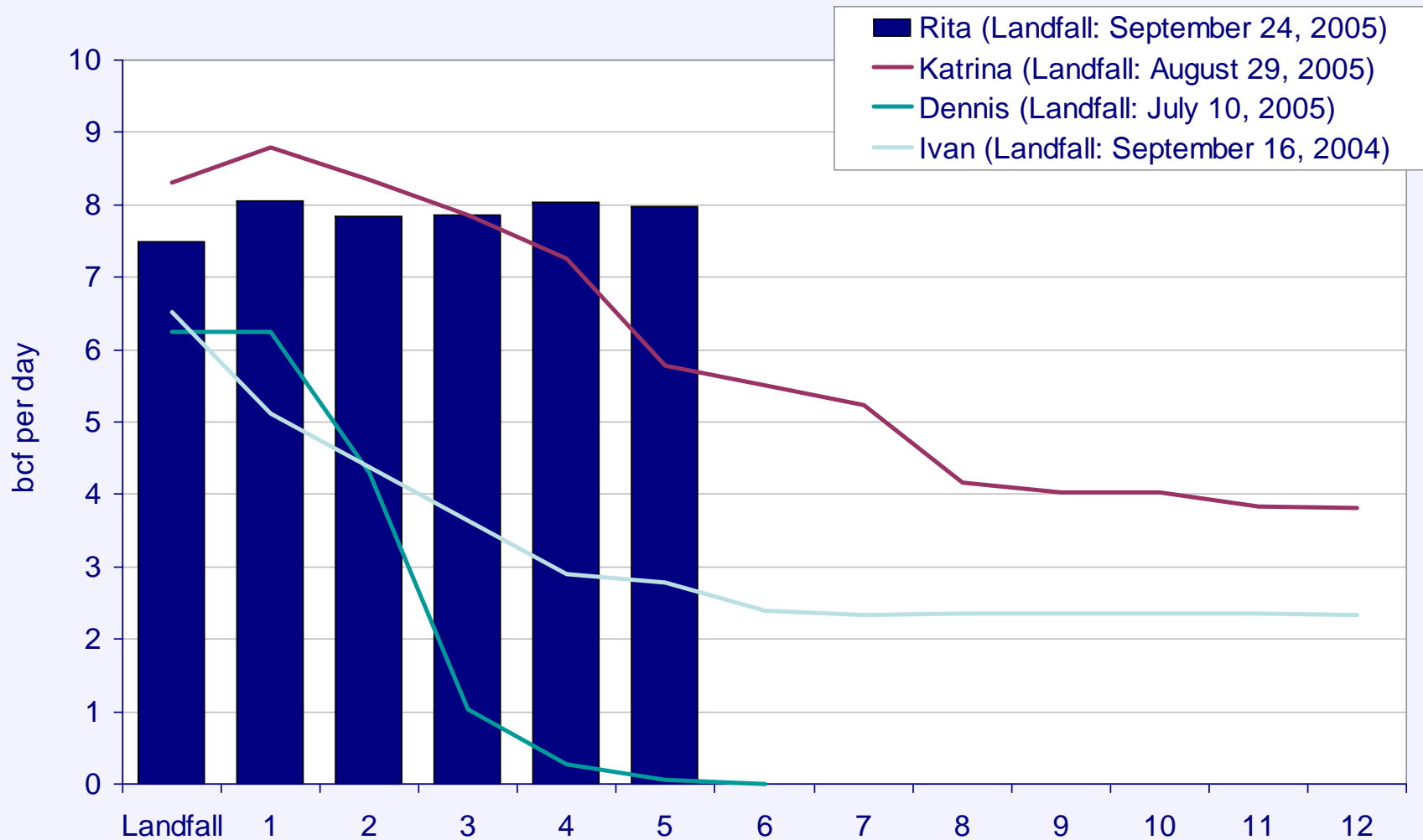


Date	Shut-in Gas Production (MMcf/day)	Percent of Daily GOM Production (%)	Rita Cumulative Shut-in Oil Production (bbls/day)	Percent of Annual GOM Production (%)	Total Cumulative Shut-in Oil Production ¹ (bbls)	Percent of Annual GOM Production (%)
20-Sep-05	3,482	34.8%	3,482	0.1%	120	3.3%
21-Sep-05	4,713	47.1%	8,195	0.2%	125	3.4%
22-Sep-05	6,594	65.9%	14,789	0.4%	132	3.6%
23-Sep-05	7,204	72.0%	21,993	0.6%	141	3.8%
24-Sep-05	7,488	74.9%	29,481	0.8%	148	4.1%
25-Sep-05	8,047	80.5%	37,528	1.0%	156	4.3%
26-Sep-05	7,843	78.4%	45,371	1.2%	164	4.5%
27-Sep-05	7,856	78.6%	53,227	1.5%	173	4.7%
28-Sep-05	8,027	80.3%	61,254	1.7%	181	4.9%
29-Sep-05	7,979	79.8%	69,233	1.9%	189	5.2%

Note: ¹ cumulative production is as of August 26, 2005
Source: Minerals Management Service



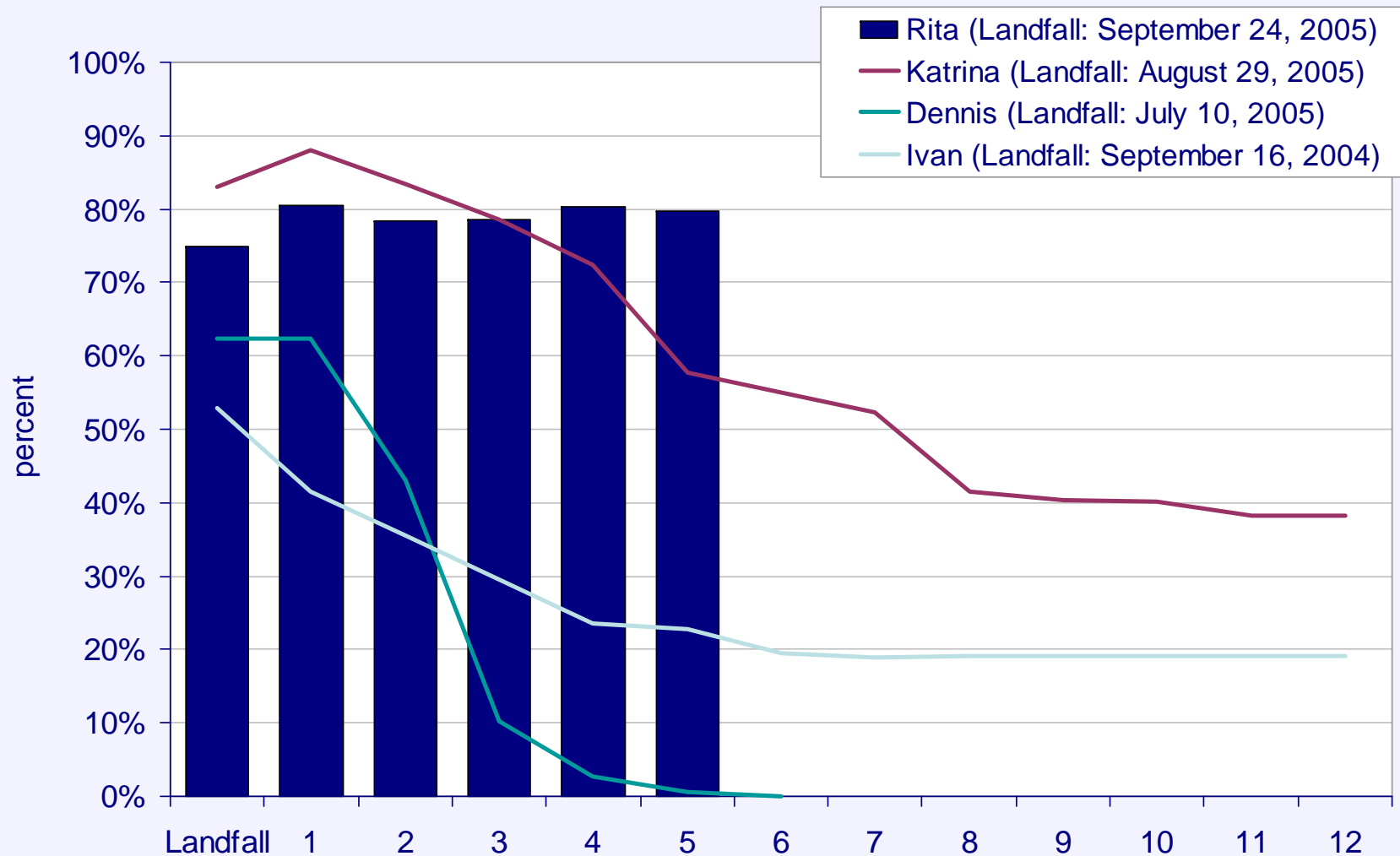
Rita versus Other Major Hurricanes Shut-in Natural Gas Production





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Rita versus Other Major Hurricanes - Shut-in Gas Production as a Percent of Daily GOM Production



Source: Minerals Management Service

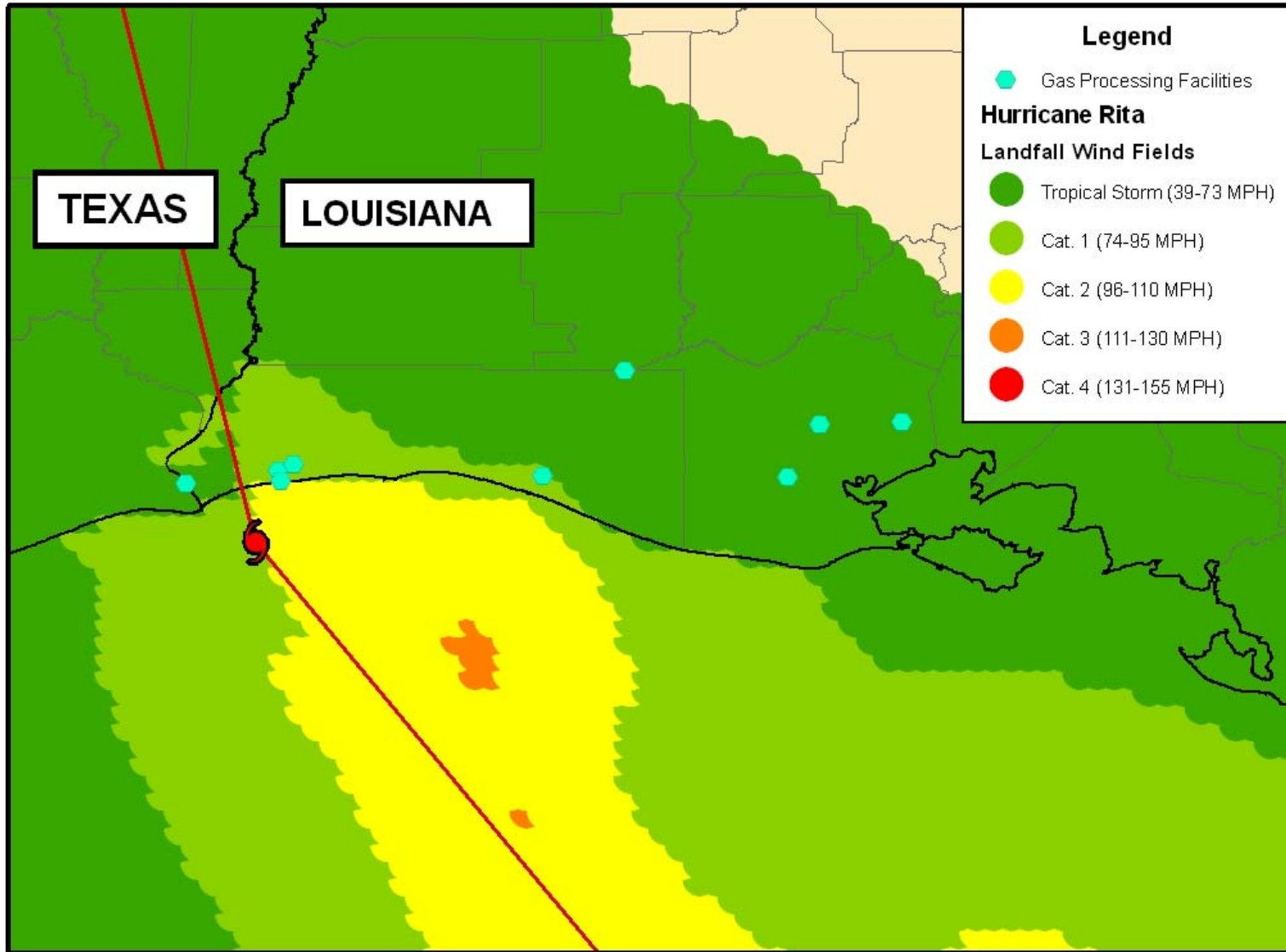


Number of Natural Gas Processing Facilities Out

Potential Impacts on GOM Gas Supply from Processing Facility Outages	Number of Facilities	Capacity (MMcf/d)	Throughput (MMcf/d)
Katrina Facilities (Central GOM)	4	4,250	2,948
Rita Facilities (Western GOM)			
Cameron Facilities	6	2,155	1,231
Vermillion Facilities	3	1,470	774
Total Rita Impacts	9	3,625	2,005
Total (All Katrina and Rita)		7,875	4,953
Assume GOM Gas Production		10,000	10,000
Percent of Total (Katrina + Cameron Only)		64%	42%
Percent of Total (Katrina + Cameron & Vermillion)		79%	50%



Gas Processing Facilities Impacted by Rita





Company	Status (as of September 26, 2005)
ANR	20% of capacity with reduced supply
Columbia Gulf Transmission	loss of supply
Comstock Offshore	shut-in
DEFS (CIPCO, Seabreeze and Black Lake)	shut-in
Texas Eastern Pipeline	in balance and holding pressure
Gulfstream Pipeline	operational
Enbridge Offshore (Garden Banks, Manta Ray, Nautilus, Stingray, MS Canyon)	no nominations until further notice
Gulf South	loss of supply
Kinder Morgan	loss of supply; damage at Johnson Bayou
Sabine	loss of supply
Southern Union Trunkline	limited flow due to loss of supply
Tennessee Gas Pipe Line	20 percent capacity with reduced supply
Transcontinental Gas	loss of supply
Williams	unable to get to Station #44 at Johnson Bayou
Florida Gas Transmission	some compressor stations down; no impact on operations



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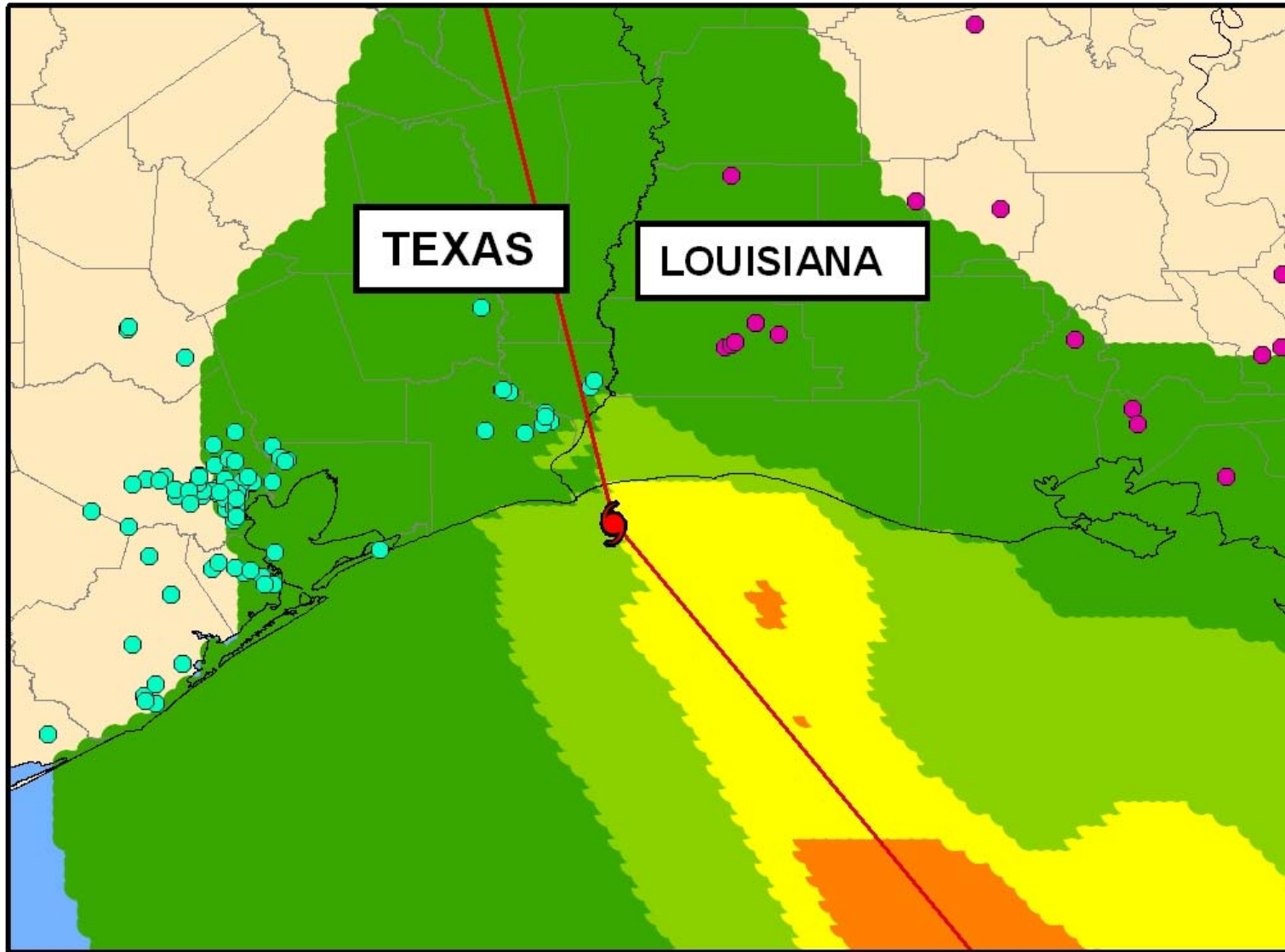
Power Outages - Number of Customers as of September 26, 2005

State	Number of Customers without Power	Percent of Customers without Power
Arkansas	11,137	n.a.
Louisiana	539,647	32%
Mississippi	7,383	n.a.
Texas	707,757	7%

Note: Arkansas and Mississippi outages are for Entergy customers only.
Source: Energy Information Administration, Department of Energy

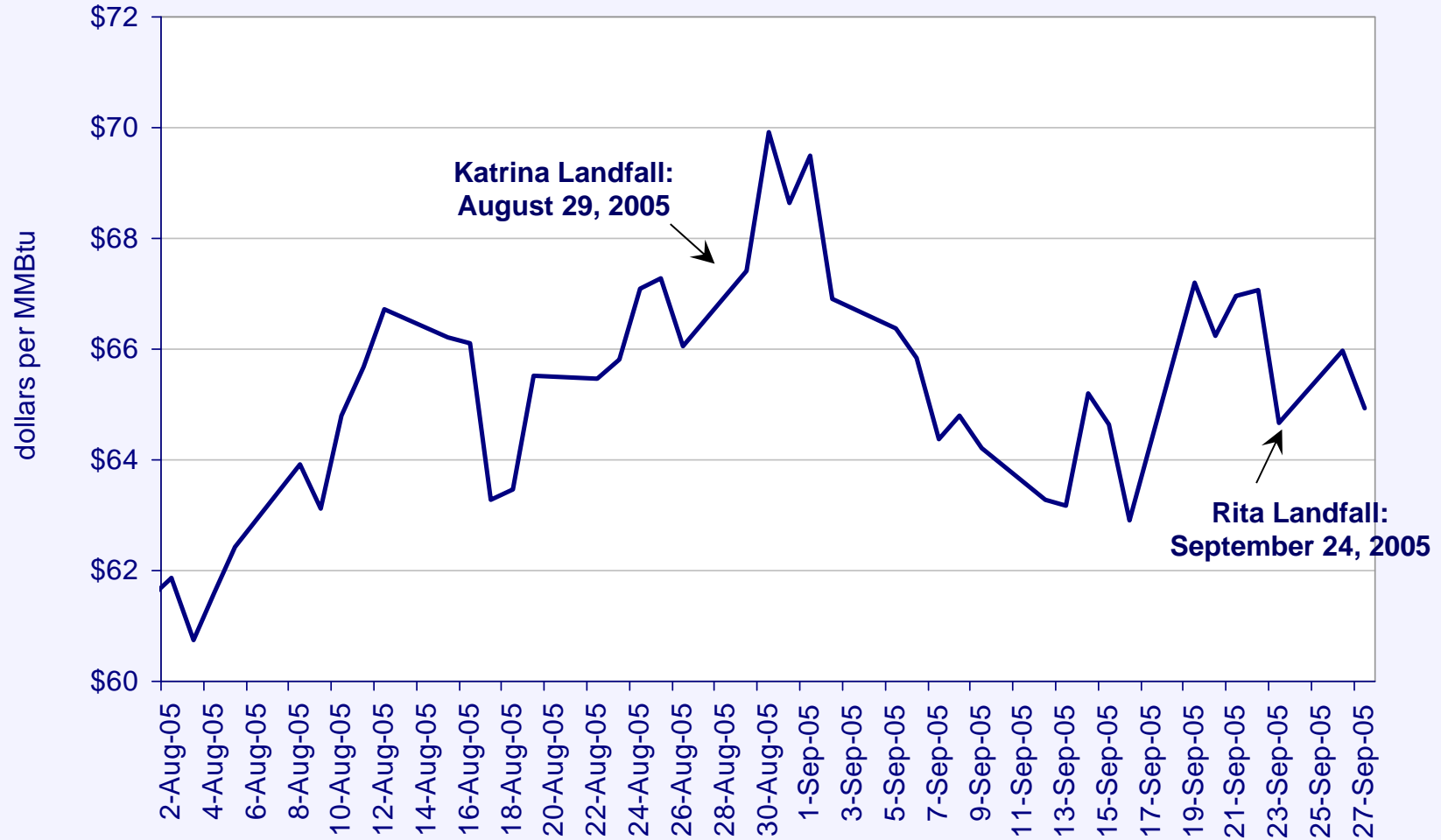


Petrochemical Facilities Impacted by Rita





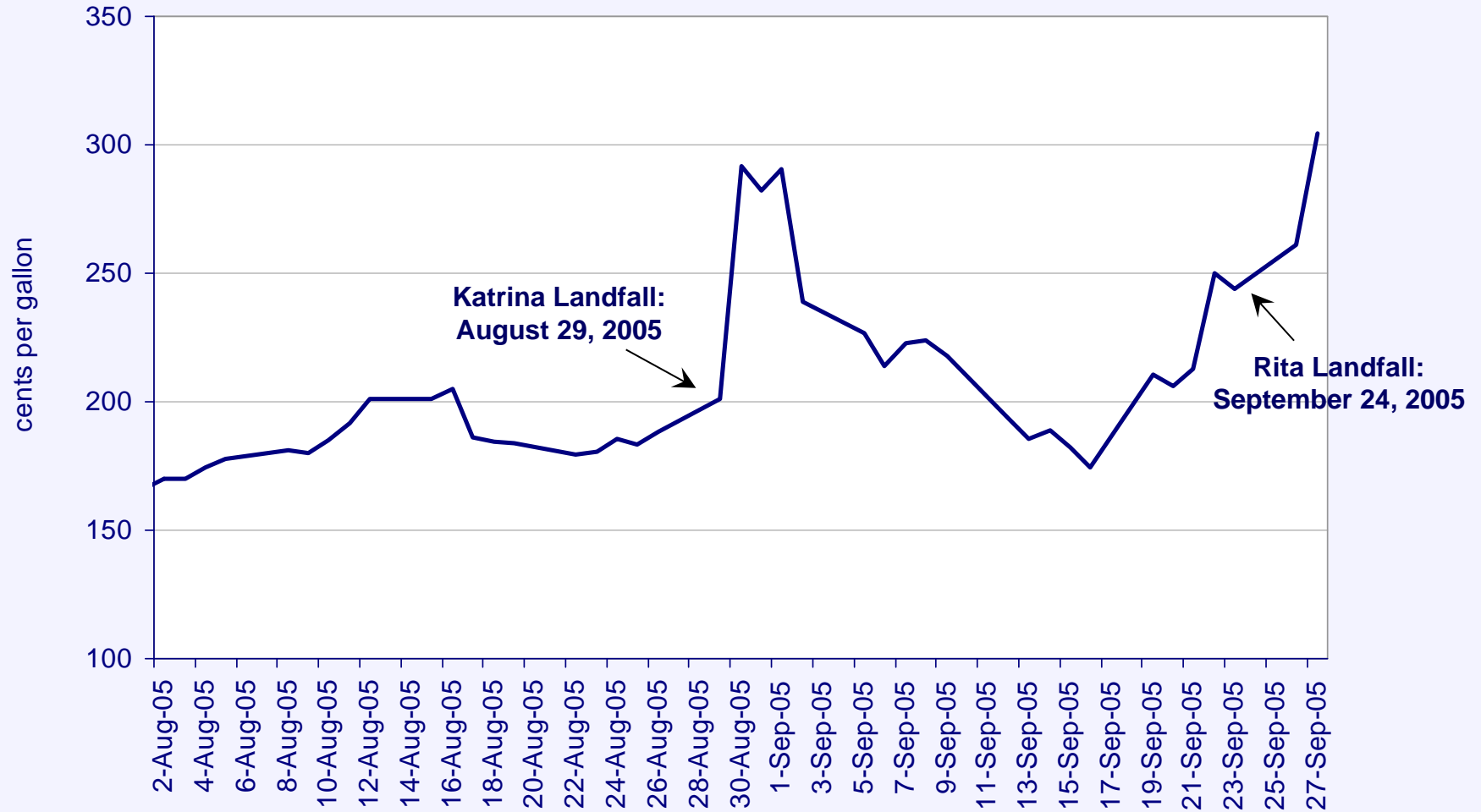
Immediate Impact in Crude Oil Prices West Texas Intermediate





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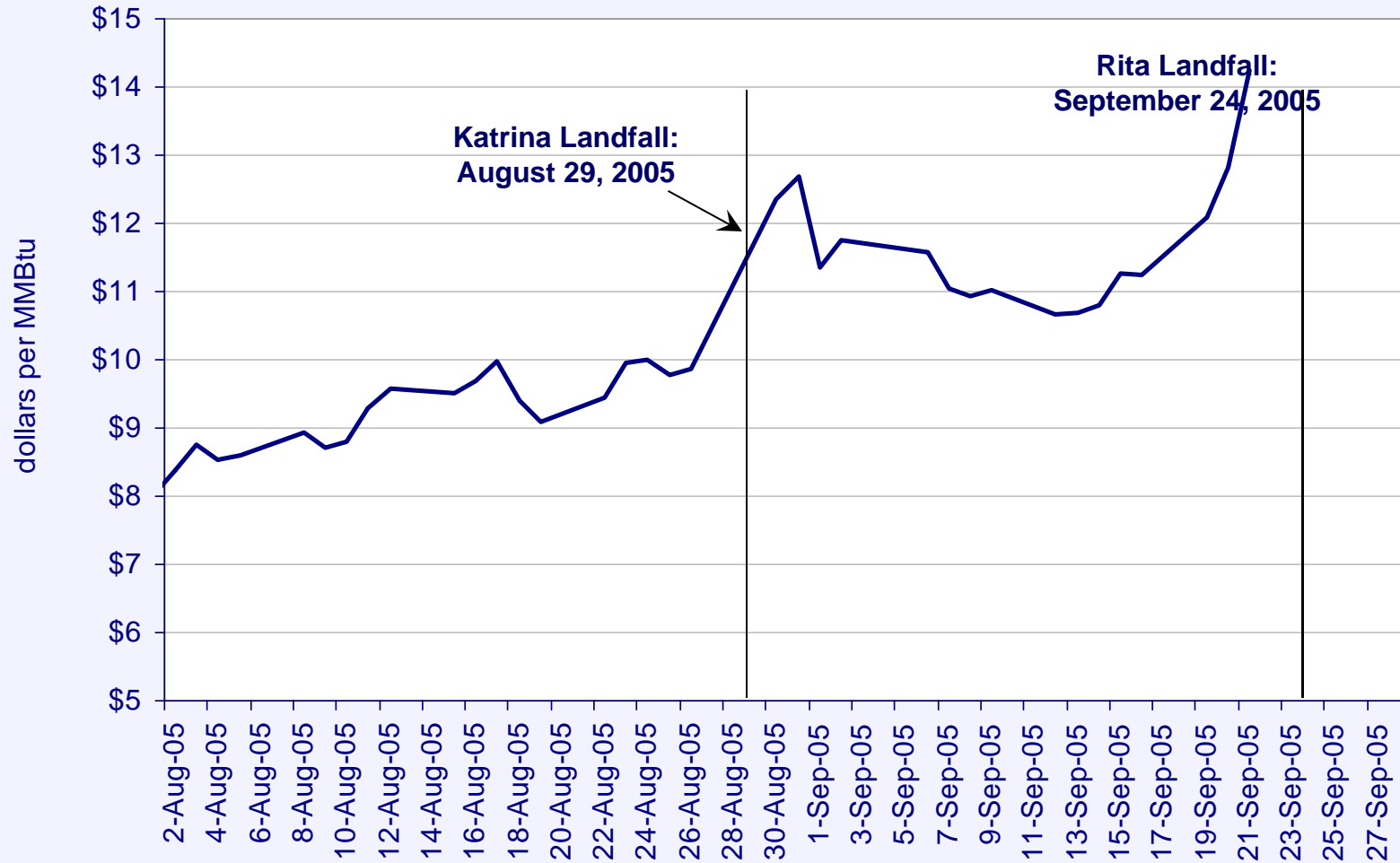
Immediate Impact in Gasoline Wholesale Prices US Gulf Coast Conventional Gasoline Regular



Source: Energy Information Administration



Immediate Impact in Natural Gas Prices Henry Hub





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Henry Hub, September 25, 2005



Source: LIOGA



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Energy Transmission

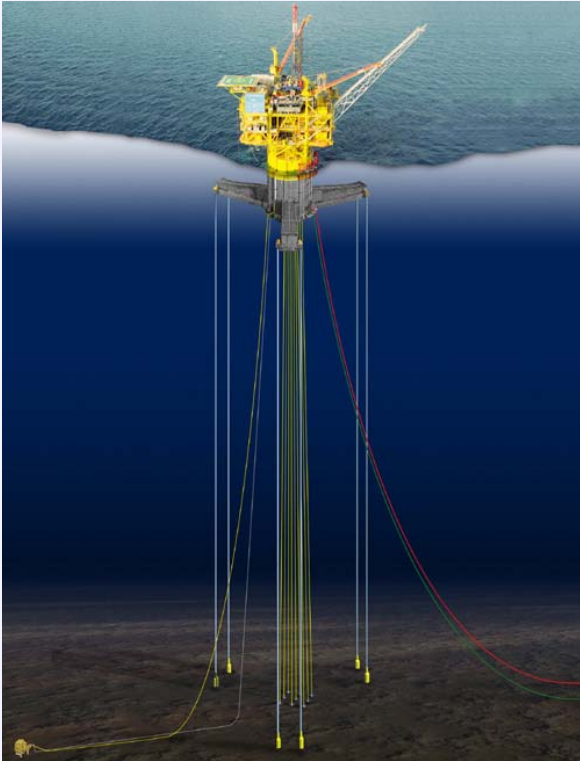


Source: Entergy.com



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Chevron Typhoon TLP





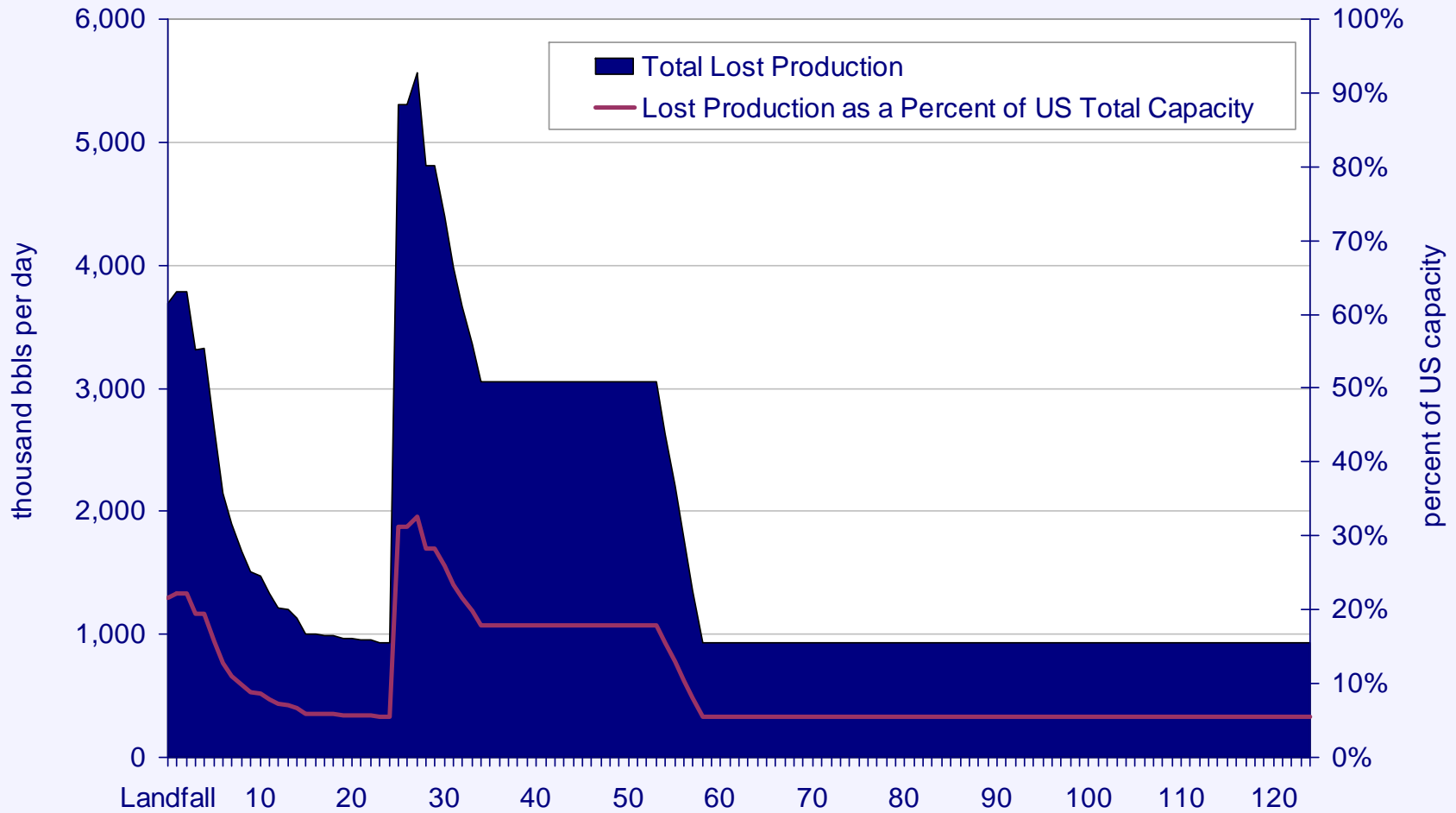
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**Longer Run Impacts
of Hurricanes Katrina and Rita**



Estimated Decrease in Refining Production from both Katrina and Rita

Refining capacity should return to normal soon, but there will be a stubborn five percent of total capacity that has unknown return date – not good for tight markets

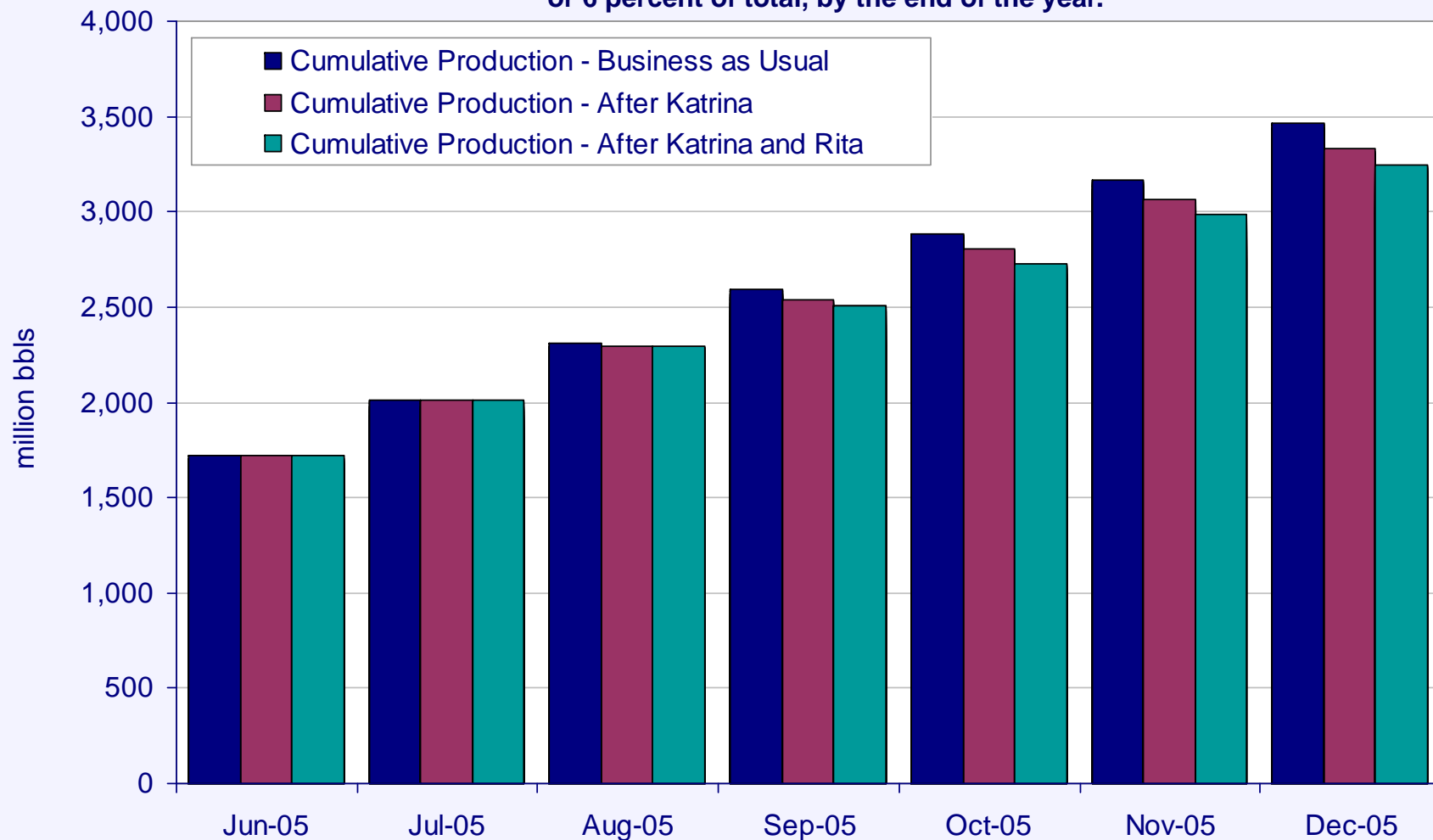


Source: Assumes 95 percent capacity factor; assumes 4 week recovery for facilities damaged by Rita.



Cumulative Refining Production

Impacts of Katrina result in a loss of 136.5 million barrels, or 4 percent of total production, by the end of the year. Impacts of Katrina and Rita result in a loss of 216.4 million barrels, or 6 percent of total, by the end of the year.



Source: Assumes 95 percent capacity factor

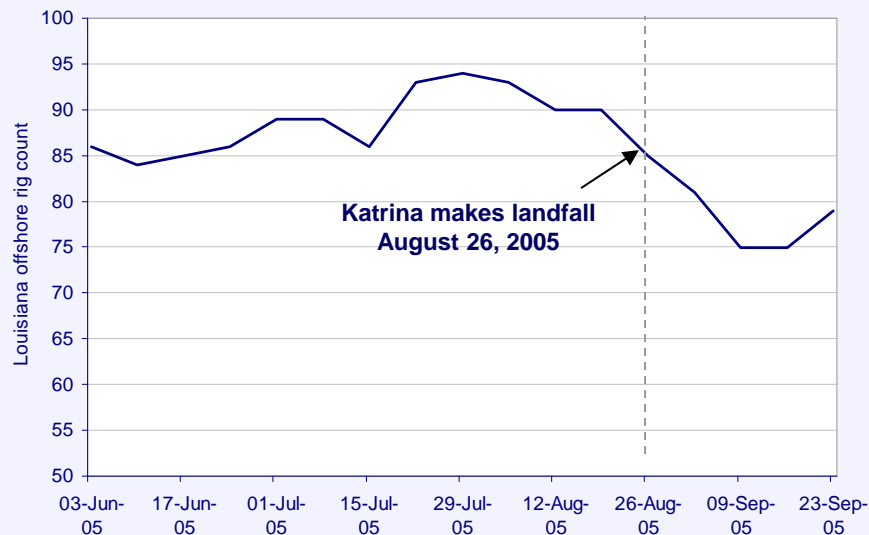


	(MMbbls)	2004 Product Supplied (MMbbls)	% of 2004 Supplied (%)
136 million barrels equals:			
Gasoline	60.1	3,363.8	1.8%
Diesel & Heating Oil	30.5	1,508.4	2.0%
Other (Jet Fuel, LPG, Heavy Fuel Oil)	45.4	n.a.	n.a.
216 million barrels equals:			
Gasoline	95.5	3,363.8	2.8%
Diesel & Heating Oil	48.4	1,508.4	3.2%
Other (Jet Fuel, LPG, Heavy Fuel Oil)	72.1	n.a.	n.a.

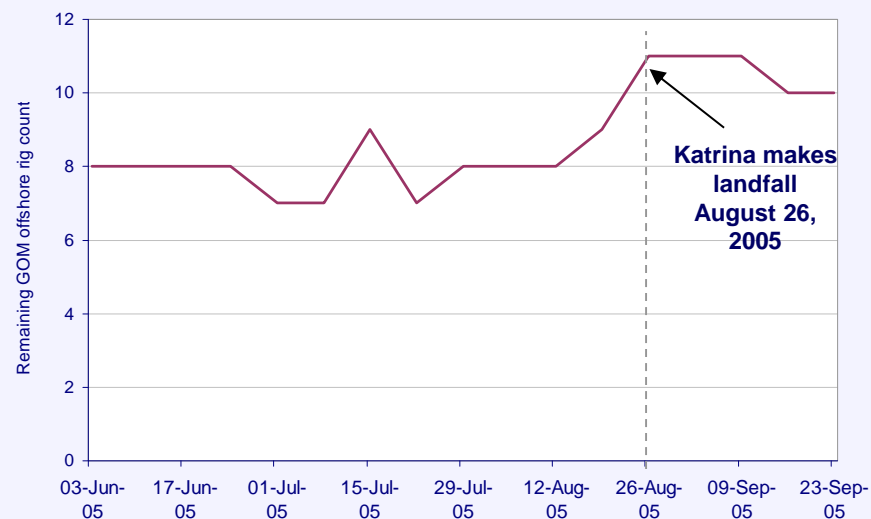


Decrease in Drilling Activity During the Post-Hurricane Period

Louisiana Offshore Rig Count



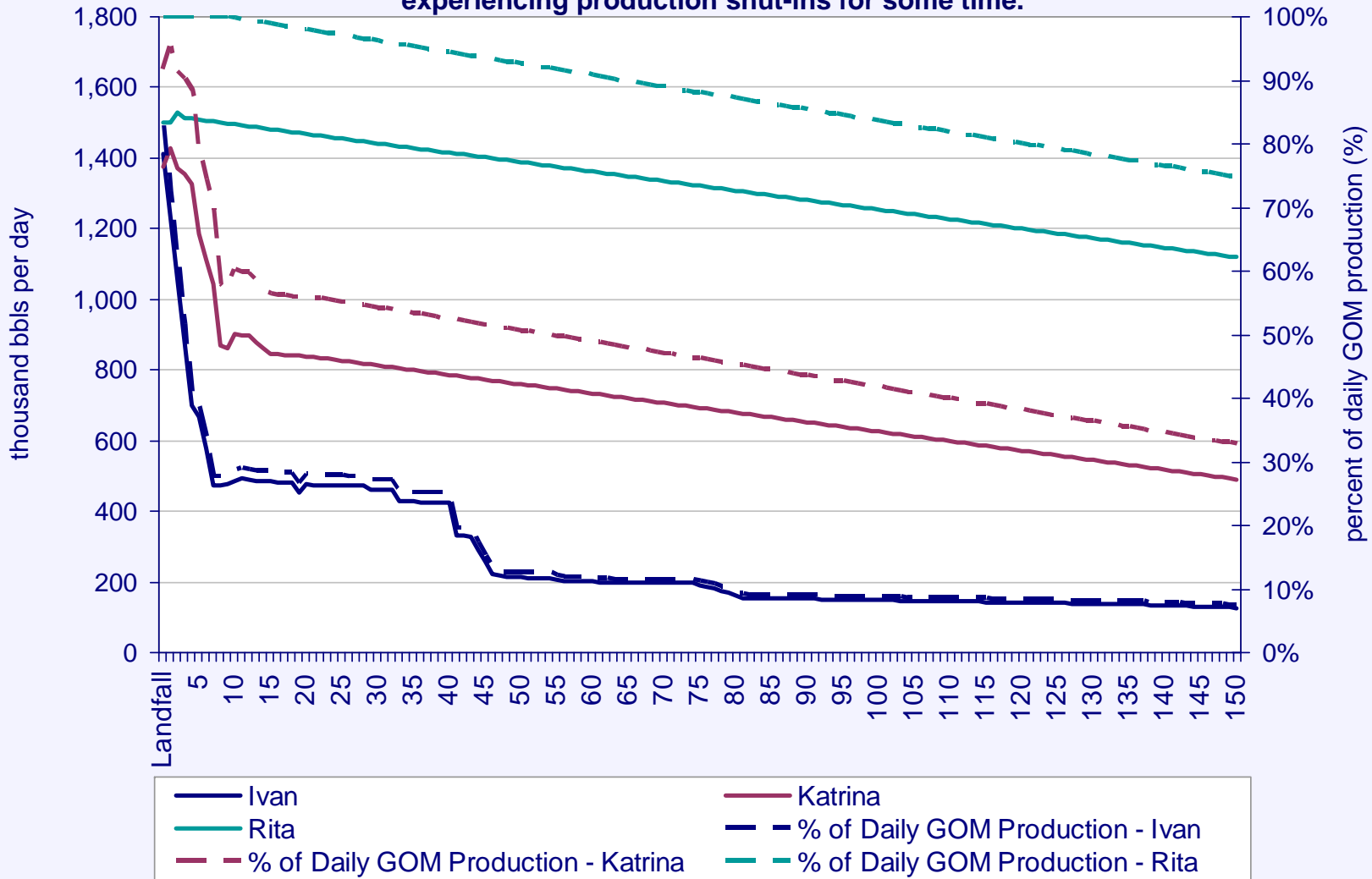
Remaining GOM Rig Count



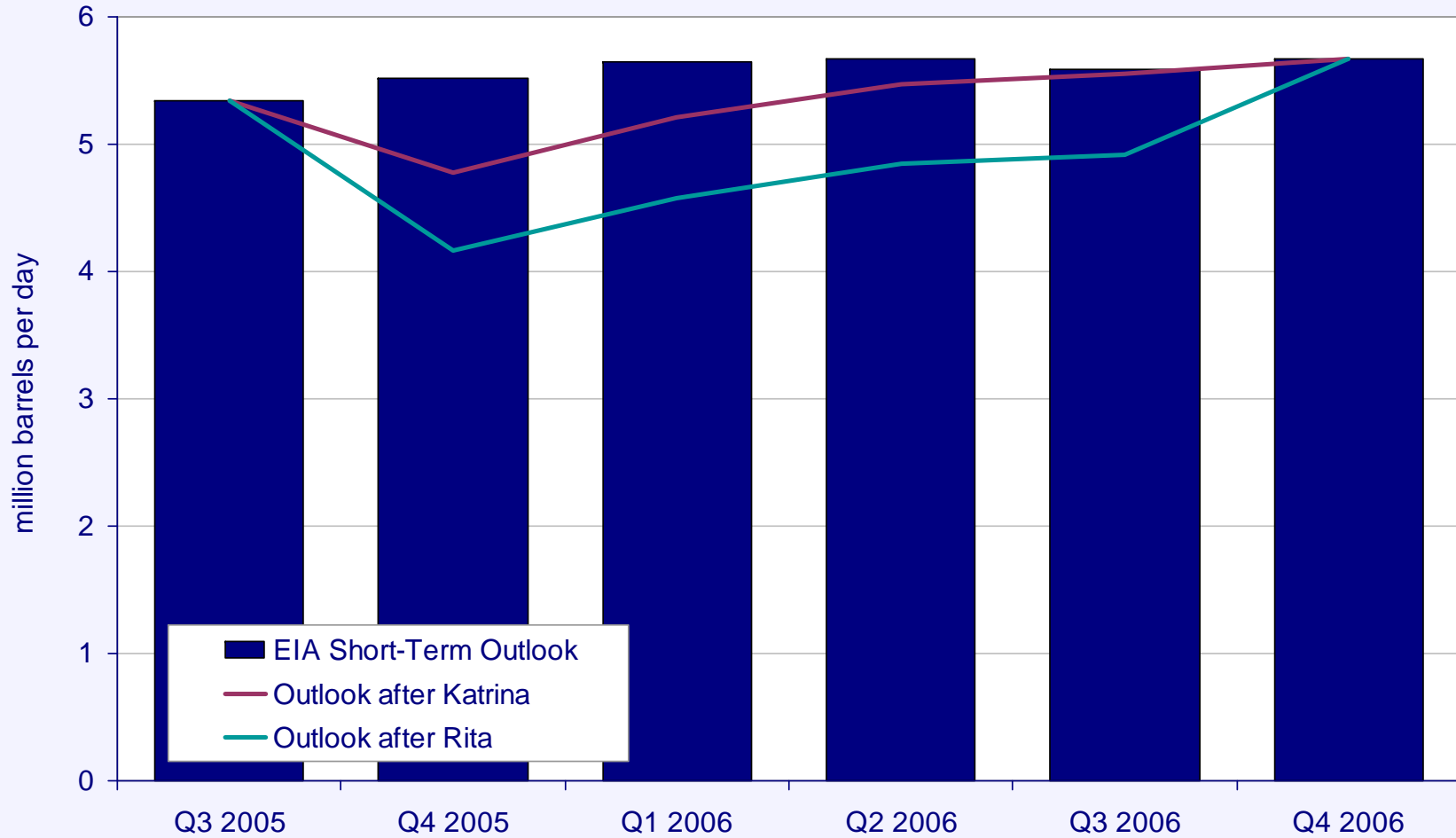


Estimated Return of Existing Crude Production

If crude production returns follow path similar to Ivan, we could still be experiencing production shut-ins for some time.



Note: Assuming recovery of 2,685 barrels per day for 150 days.

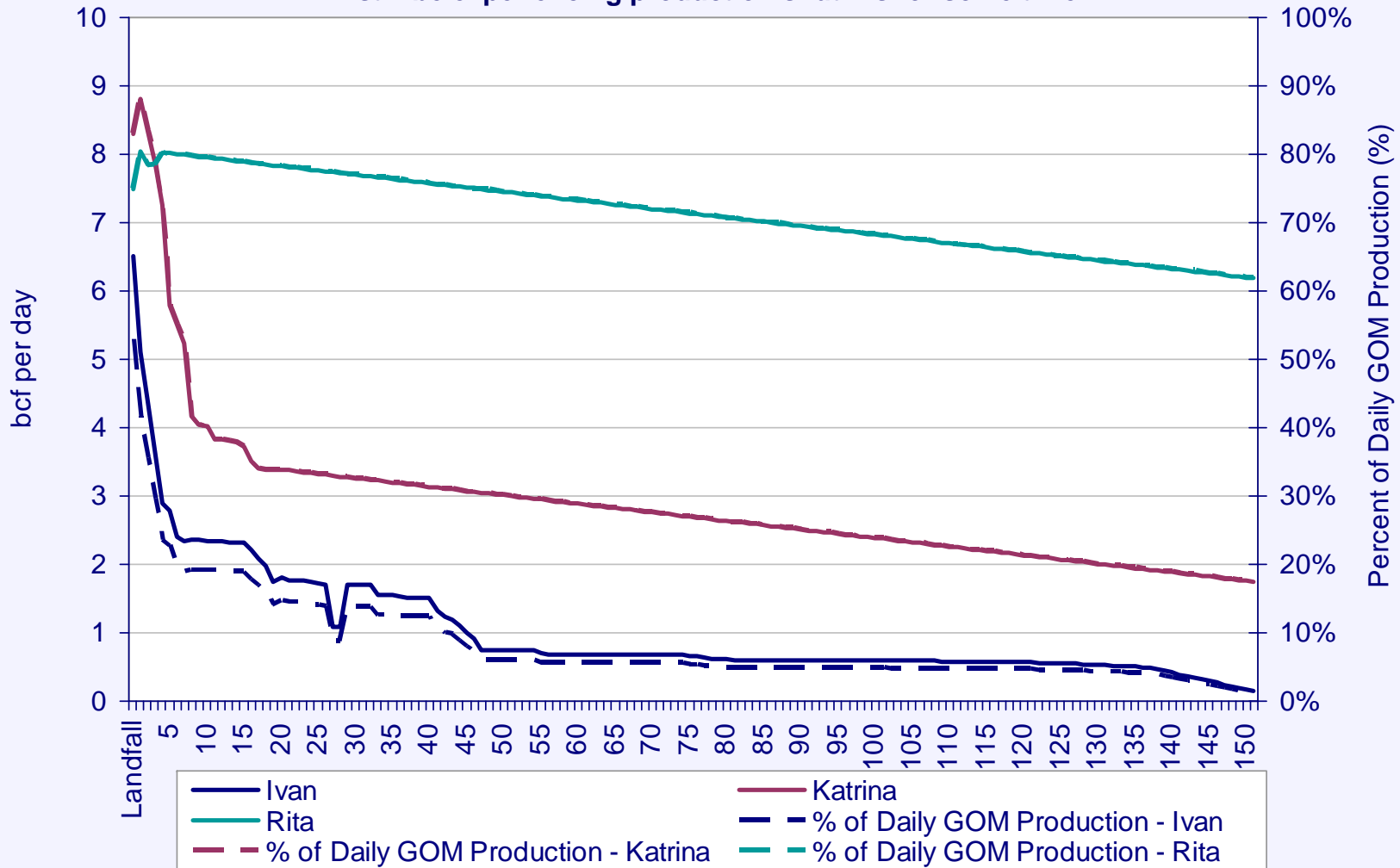


Note: Assuming recovery of 15.65 bcf per day for 150 days.



Estimated Return of Existing Natural Gas Production

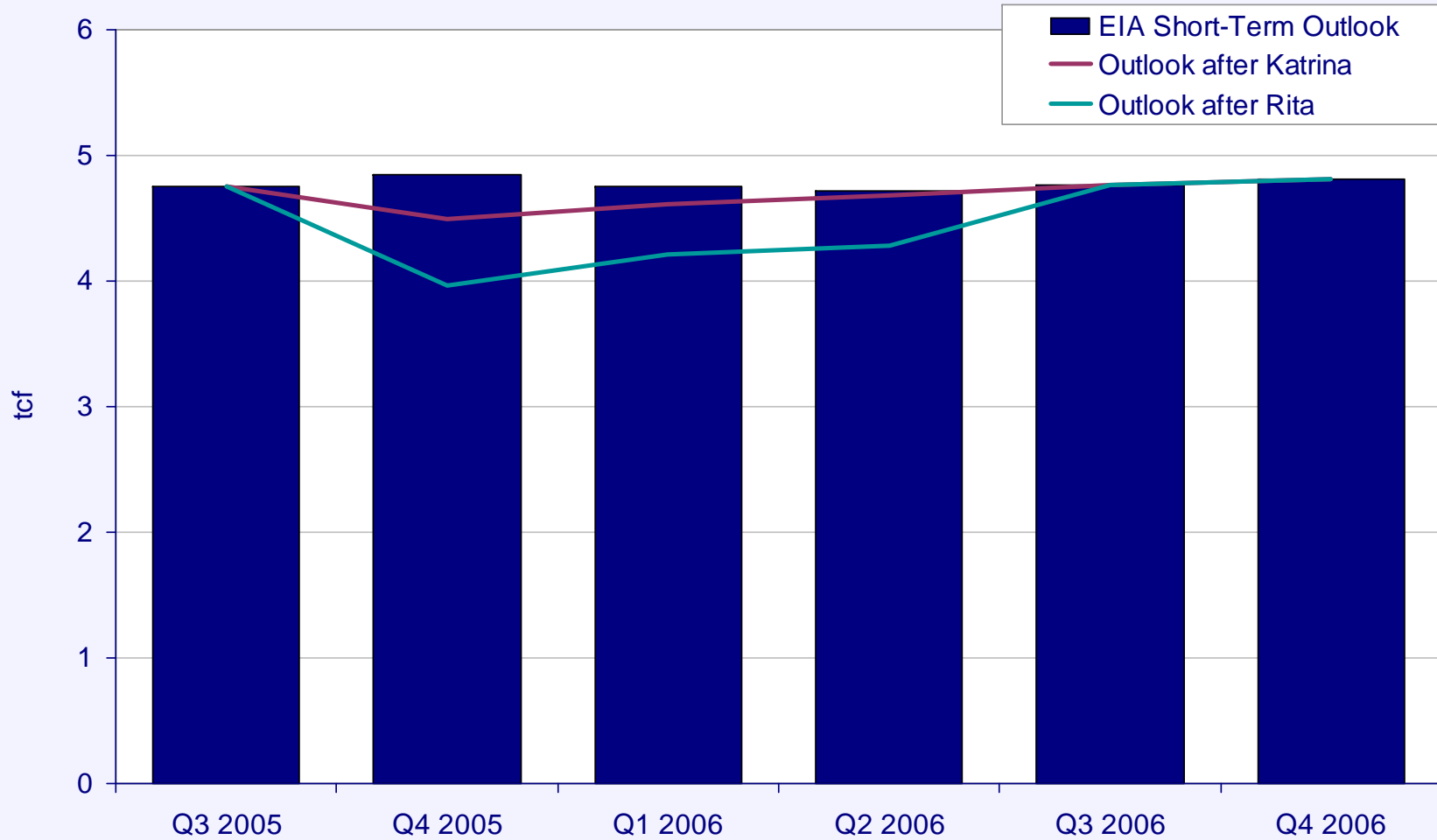
If crude production returns follow path similar to Ivan, we could still be experiencing production shut-ins for some time.



Note: Assuming recovery of 12.53 bcf per day for 150 days.



Forecast versus New Forecast Natural Gas



Note: Assuming recovery of 15.65 bcf per day for 150 days.



Estimated Decrease in Natural Gas Storage

	Using 5-Year Average Weekly Injection		Using 2005 Average Weekly Injection	
	Katrina (Bcf)	Katrina and Rita	Katrina (Bcf)	Katrina and Rita
Current Natural Gas Storage Amount: (stocks as of September 23, 2005)	2,885	2,885	2,885	2,885
Total Remaining Injection Amount: (from September 23, 2005)	300	300	233	233
Estimated Storage Level, Nov. 1:	3,185	3,185	3,118	3,118
Estimated Lost Natural Gas Production (Sep 23-Nov 1):	120	294	120	294
Estimated Natural Gas Production (Sep 23-Nov 1):	1,978	1,805	1,978	1,805
Estimated Natural Gas Consumption (Sep 23-Nov 1):	1,758	1,758	1,758	1,758
Balance after Consumption	220	47	220	47
Difference between Injection Amount and Balance	(80)	(253)	(14)	(187)
Estimated Storage Level, Nov 1 (Corrected):	3,105	2,932	3,105	2,932



Economic Impact – Decreased Mineral Revenues Due to Decreases in State Production (Katrina Only)

<u>Total Estimate Impacts</u>	Scenario 1 FY '05-'06	Scenario 2 FY '05-'06	Scenario 3 FY '05-'06	Scenario 4 FY '05-'06
<u>Production Impacts</u>				
Production Losses-- Shut In Production (MBbls)	4,655	10,337	8,907	7,431
Production Losses -- Shut In Production (MMcf)	27,383	79,284	70,480	52,665
Total Production Losses (MMBOE)	9.49	24.35	21.36	16.74
<u>Revenue Impacts (thousand \$)</u>				
Estimated Severance Tax Loss	\$ 33,414	\$ 77,231	\$ 67,277	\$ 54,804
Estimated Royalty Losses	\$ 99,032	\$ 241,999	\$ 212,730	\$ 168,810
Estimated Total Mineral Revenue Impacts	\$ 132,446	\$ 319,230	\$ 280,007	\$ 223,614
<u>LFO Mineral Revenue Forecast</u>				
State Severance Revenue Estimate	\$ 636,700	\$ 636,700	\$ 636,700	\$ 636,700
State Royalty Revenue Estimate	\$ 436,400	\$ 436,400	\$ 436,400	\$ 436,400
Percent of Total Revenue Lost from Severance	5.2%	12.1%	10.6%	8.6%
Percent of Total Revenue Lost from Royalty	22.7%	55.5%	48.7%	38.7%



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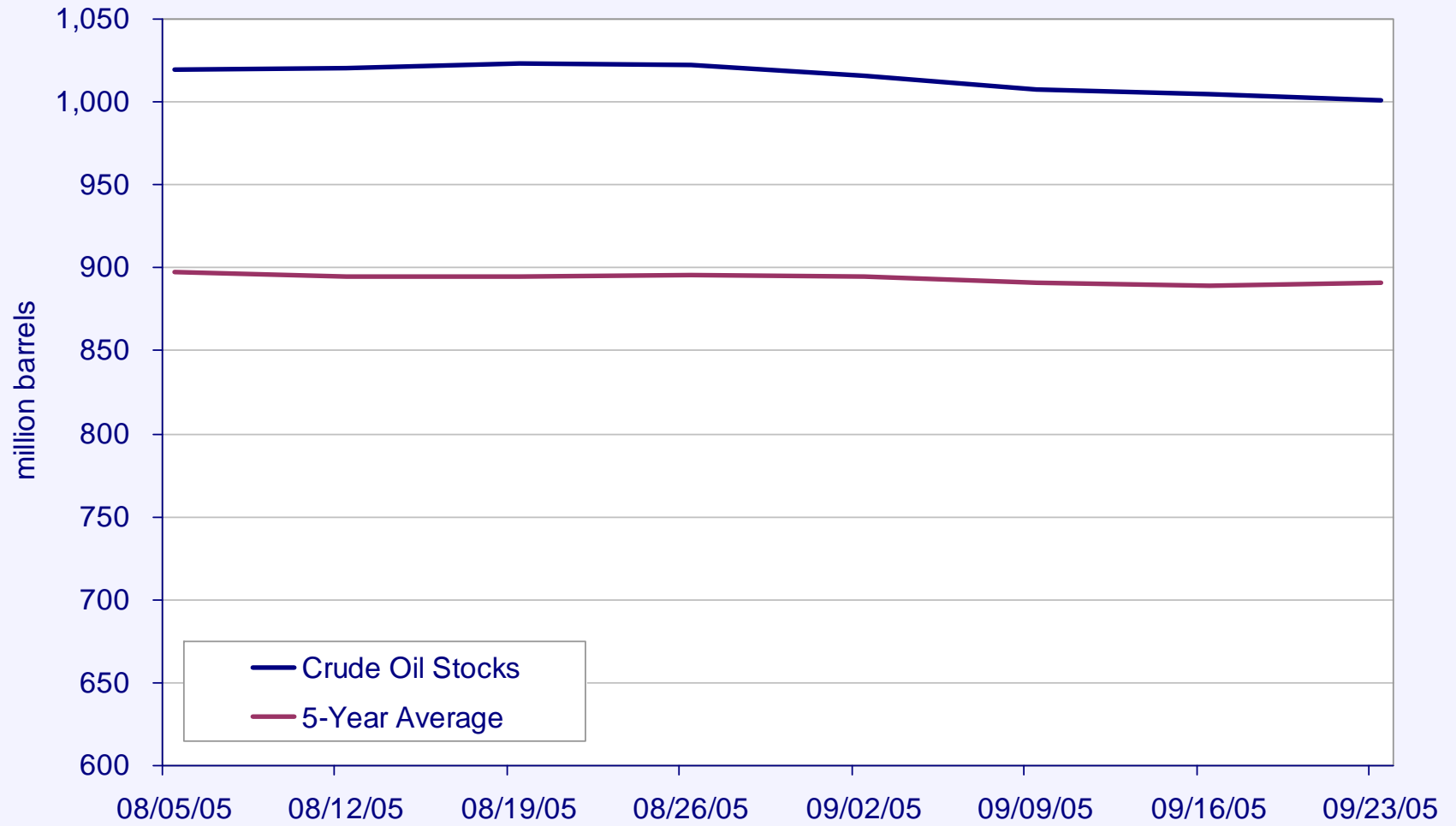
Preliminary Estimate of Louisiana Severance Revenue Impacts (Katrina and Rita)

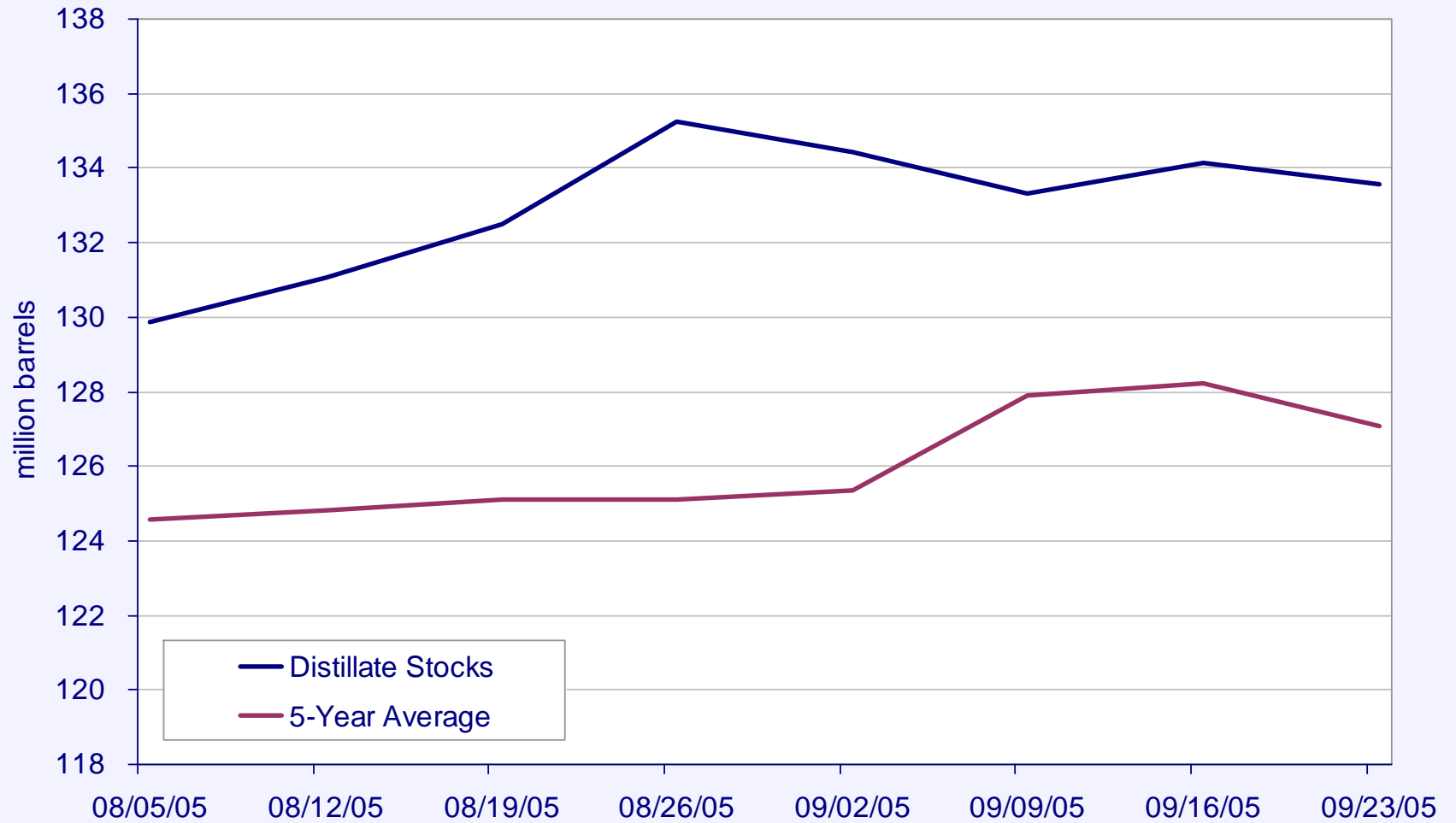
	Scenario 1	Scenario 2	Scenario 3	Scenario 4
FY '05-'06 Projected Severance Revenues (million \$)	\$664.0	\$664.0	\$664.0	\$664.0
Percent of Severance Lost (%)	16.22%	32.43%	29.90%	27.14%
Severance Revenues Lost	\$107.7	\$215.4	\$198.6	\$180.2
New Post-Hurricane Severance Revenues (million \$)	\$556.3	\$448.6	\$465.4	\$483.8

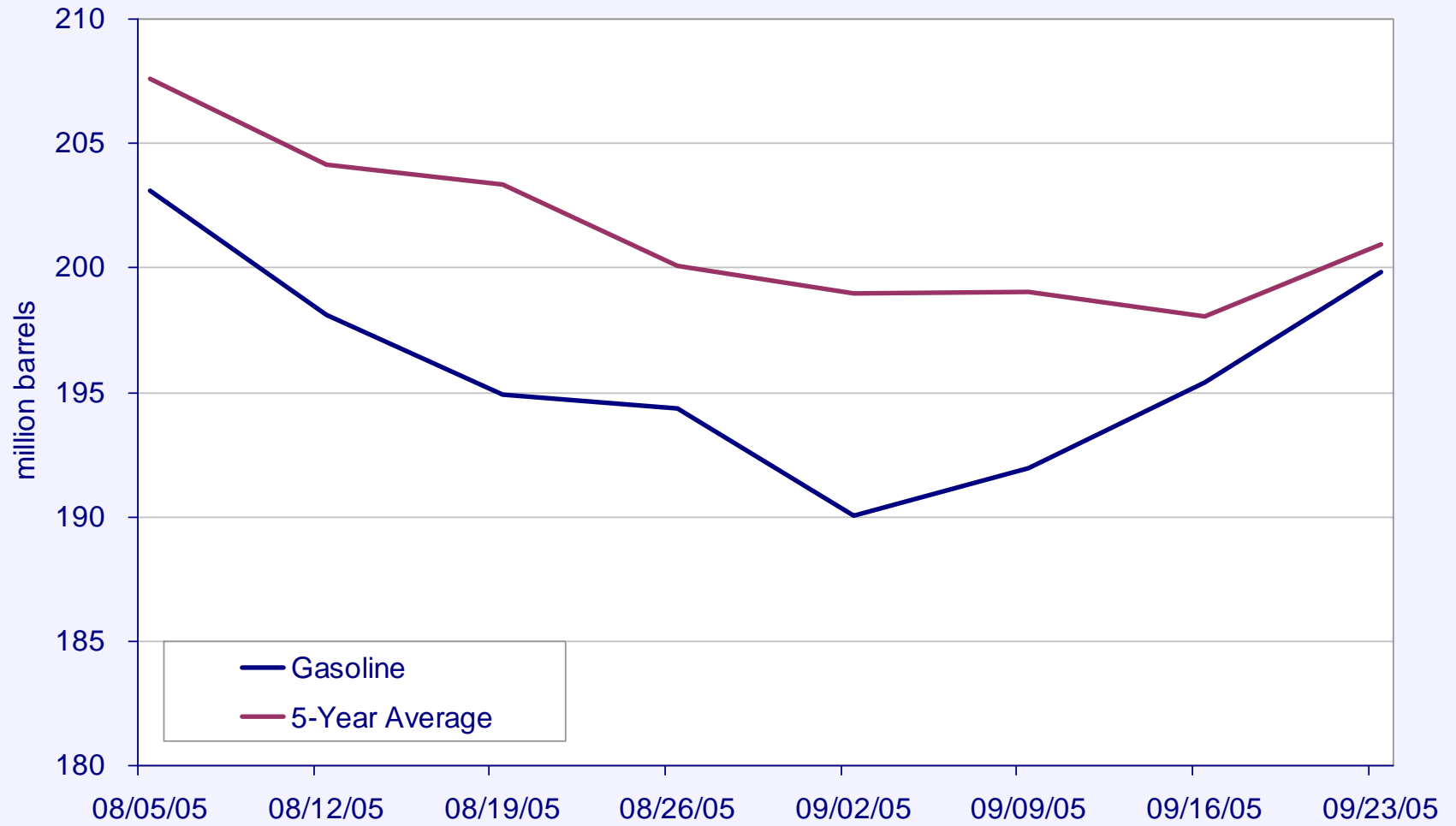


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State of Current Markets

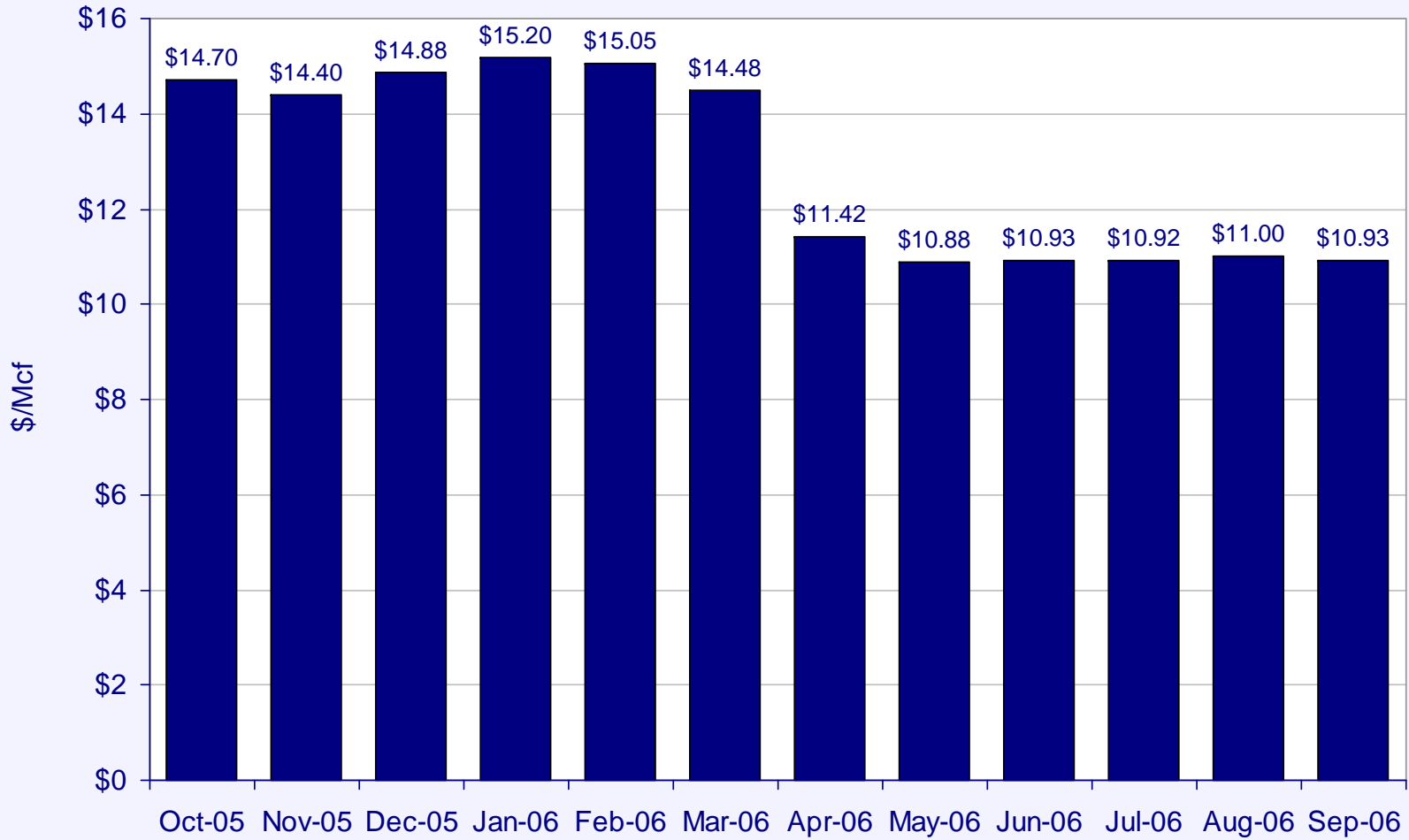








NYMEX Monthly Natural Gas Futures Prices





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Questions, Comments, & Discussion

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