

The Economic Opportunities for a Limited Industrial Retail Choice Plan

August 25, 2004



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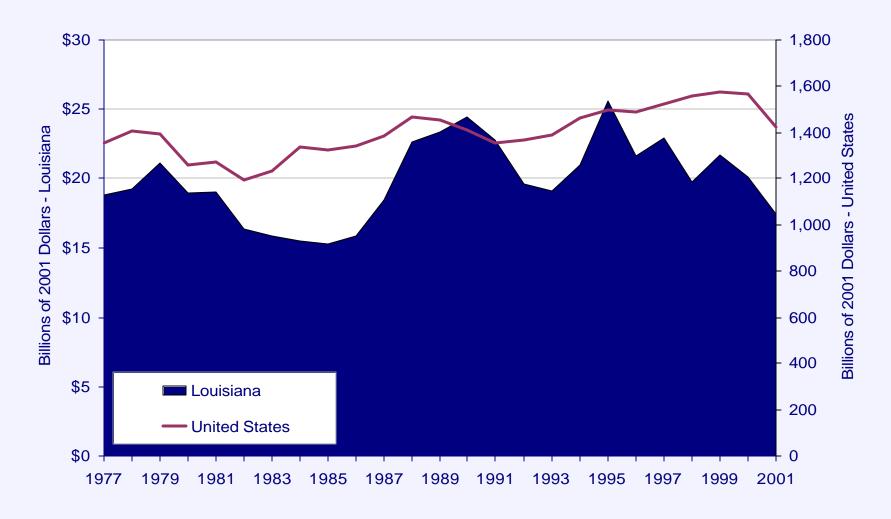


Schedule 2: Recently Announced Manufacturing Layoffs in Louisiana

Company	Location	Announcement Date	Announced Layoffs
Dow Chemical Co	Plaquemine	Jul-04	50
BASF	Various	May-04	500
Lockheed Martin Space Systems	New Orleans	Apr-04	65
J. Ray McDermott	St. Mary Parish	Apr-04	611
Beaird Industries	Shreveport	since Sep-03	630
DSM Copolymer	Baton Rouge	Mar-04	40
BASF	Geismer	Mar-04	14
Triad Nitrogen	Donaldsonville	Mar-04	24
Mississippi Chemical Corp	Donaldsonville	Mar-04	72
Sygenta Crop Protection Inc	St. Gabriel	Feb-04	60
WestPoint Stevens	Coushatta	Jan-04	125
Beaird Industries	Shreveport	Nov-03	17
Shell Exploration and Production	New Orleans	Sep-03	100
Kerry Group	Ponchatoula	Sep-03	44
Albemarle	Baton Rouge	Sep-03	40
ExxonMobil	Baton Rouge	Sep-03	74
Graphix Packaging	Monroe	Sep-03	30
BASF	Geismer	Aug-03	17
CF Industries	Donaldsonville	Aug-03	38
Formosa Plastics	Baton Rouge	Jul-03	89
DSM Elastomers	Addis	Jul-03	180
PCS Nitrogen	Geismer	Jun-03	64
GE Industrial Systems	Shreveport	Apr-03	200
Frymaster	Shreveport	Apr-03	20
GE Industrial Systems	Shreveport	Jan-03	44
Shell Oil Products	Shreveport	Oct-02	41
Firebond, Corp	Minden	Jun-02	55
Ruskin Manufacturing	Minden	May-02	115
Holloway Sportswear	Many	May-02	80
International Paper Company	Mansfield	Jan-02	55

Source: Various local newspapers



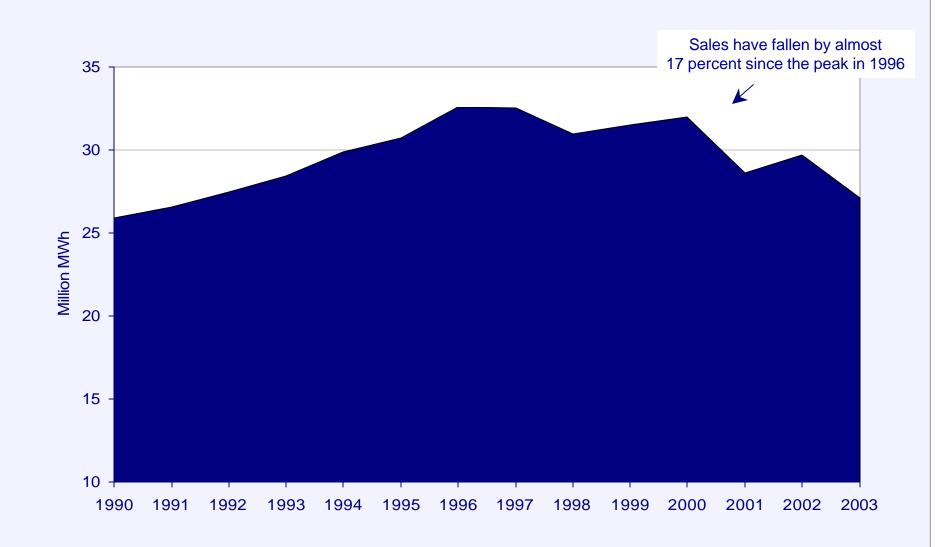




Schedule 4: Energy Usage by Selected Industrial Sectors in Louisiana (2001)

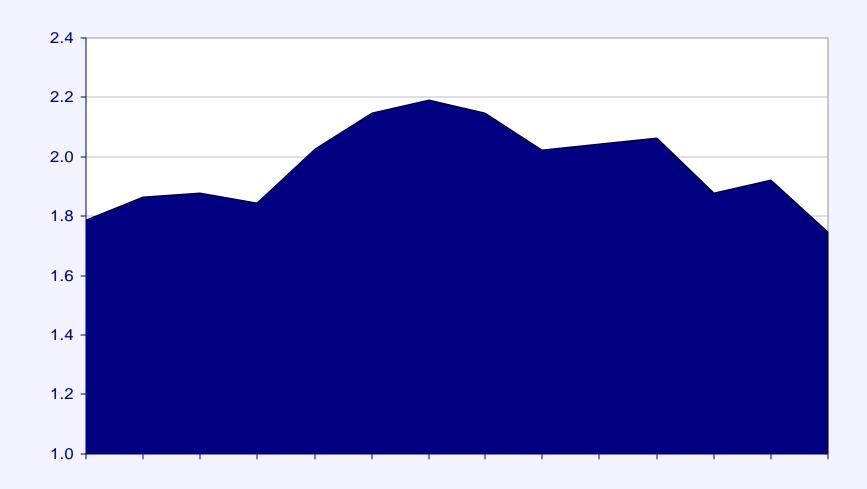
SIC		Total Energy (MMBtu)	Natural Gas	Electric	Other
20 22 23 24 26 27 28	Food and Kindred Products Textile Mill Products Apparel & Textile Products Lumber and Wood Products Paper and Allied Products Printing & Publishing	6,940,447 1,326,798 39,009 5,614,058 150,961,404 174,294	74.1% 80.0% 41.6% 55.4% 17.4% 24.3%	15.6% 20.0% 58.4% 15.7% 13.7% 75.7%	10.4% 0.0% 0.0% 28.9% 68.9% 0.0%

Schedule 5: Historic Louisiana Industrial Electric Sales (1990-2003)

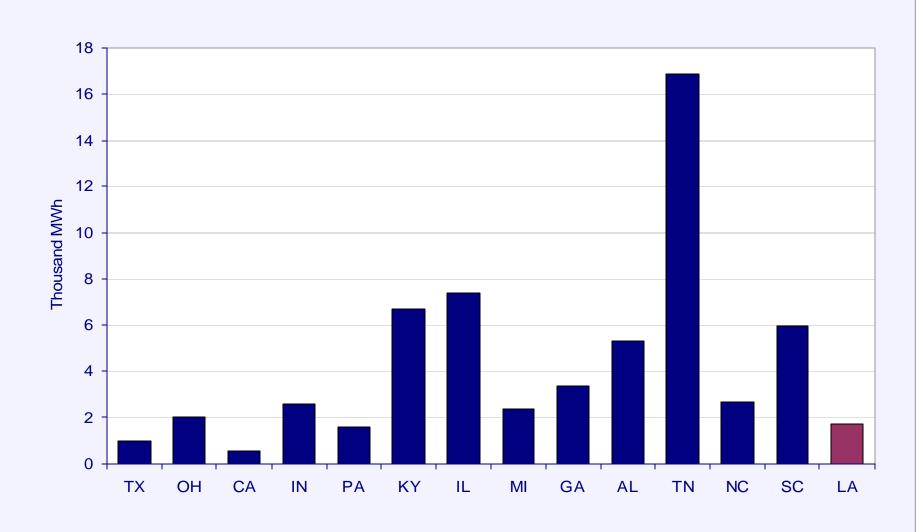




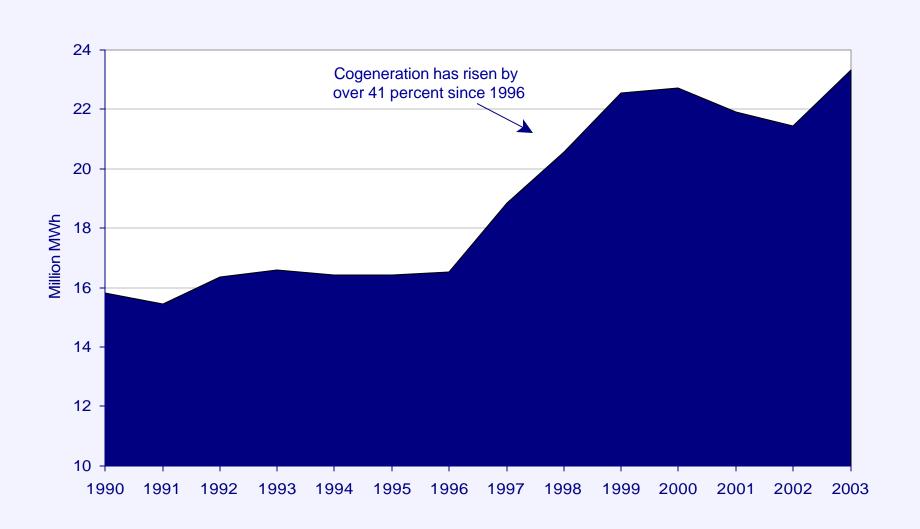




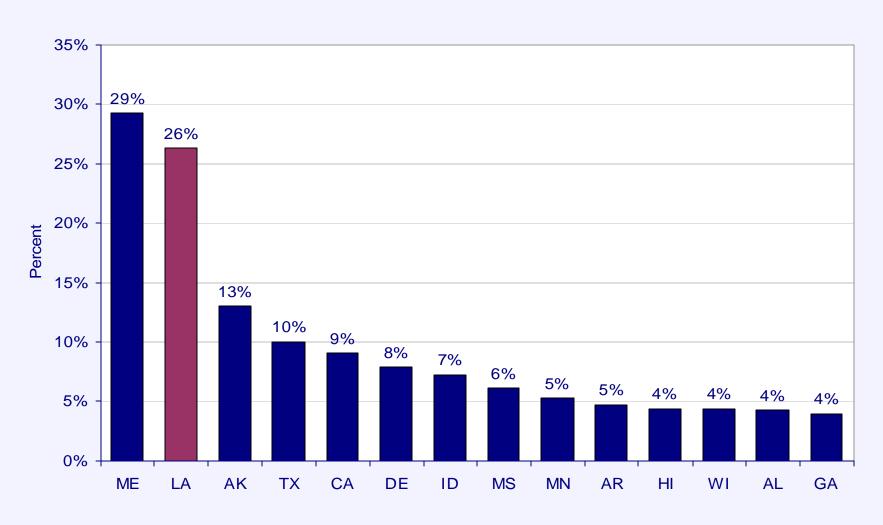










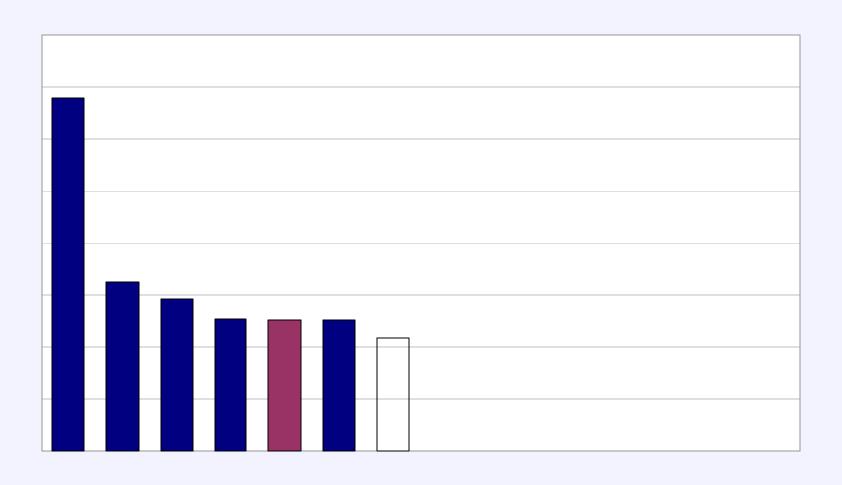


Note: Includes industrial power only, as defined by Energy Information Administration Source: Energy Information Administration, Department of Energy



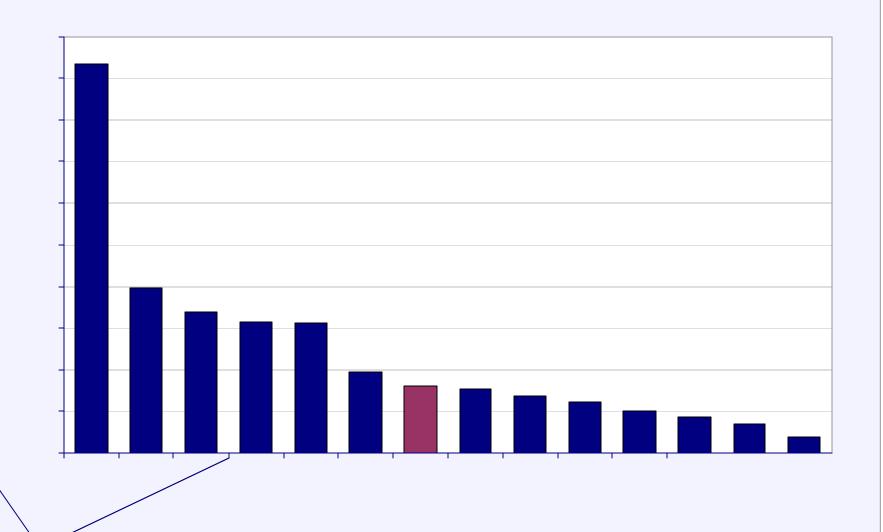
Schedule 11: Industrial Cogeneration by State (2003)





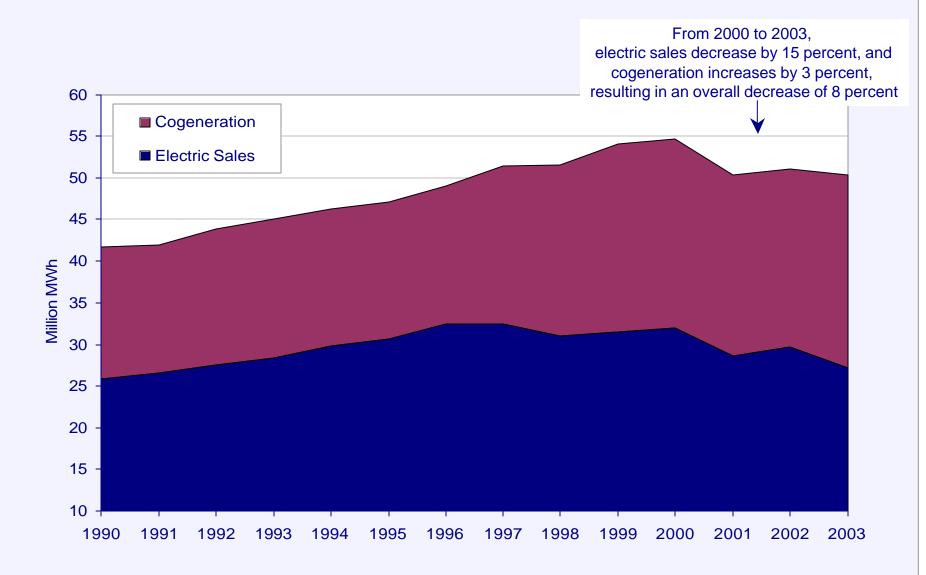


Schedule 13: Per Customer Industrial Sales Plus Cogeneration Volumes (2003)





Schedule 14: Historic Louisiana Industrial Electric Sales and Cogeneration (1990-2003)

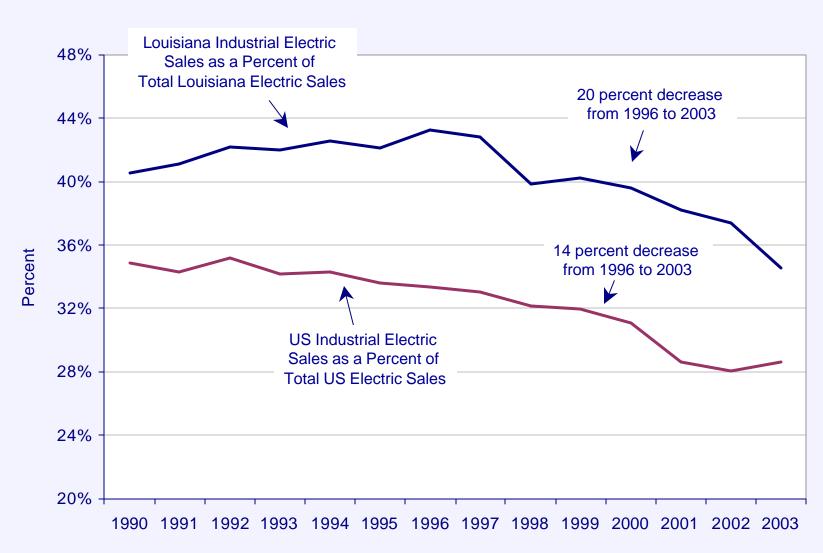


Note: Includes industrial power only, as defined by Energy Information Administration Source: Energy Information Administration, Department of Energy

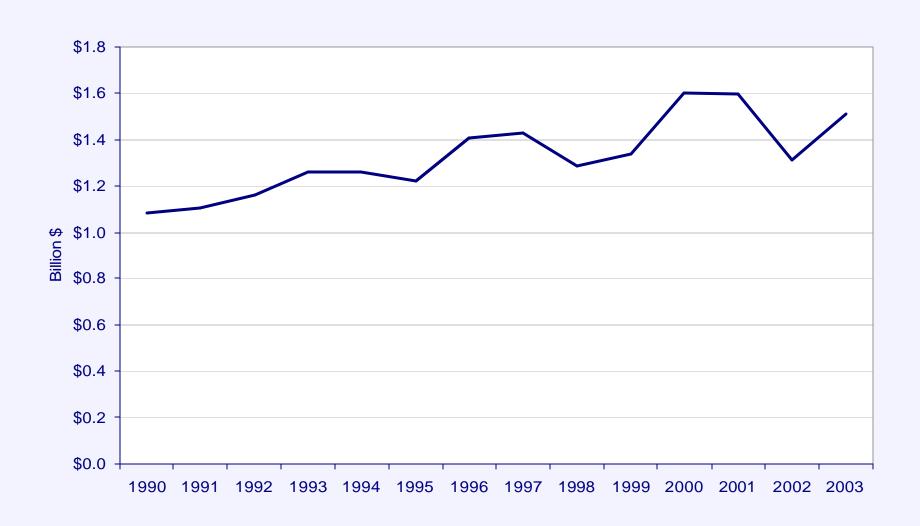


SIC		Total Electric Use	Per Customer Average Use
		MW	h
20	Food and Kindred Products	216 720	9 121
22	Textile Mill Products	316,729 77,584	8,121 25,861
23		,	•
24	Apparel & Textile Products	6,677	2,226
	Lumber and Wood Products	258,232	13,591
26	Paper and Allied Products	6,067,359	319,335
27	Printing & Publishing	38,682	4,298
28	Chemicals and Allied Products	21,626,306	266,991
29	Petroleum and Coal Products	6,639,046	349,423
30	Rubber & Misc. Plastic Prods.	377,472	75,494
31	Leather & Leather Products	1,167	1,167
32	Stone, Clay & Glass Products	110,470	22,094
33	Primary Metal Industries	650,060	54,172
34	Fabricated Metal Products	83,661	4,648
35	Machinery & Computer Equip.	69,427	3,654
36	Electric & Electronic Equip.	1,029,210	171,535
37	Transportation Equipment	228,950	14,309
38	Instruments & Related Products	685	343
39	Misc. Manufacturing Industries	417	209

Schedule 16: Industrial Sales as a Percent of Total Electric Sales (1990-2003)



Source: Energy Information Administration, Department of Energy

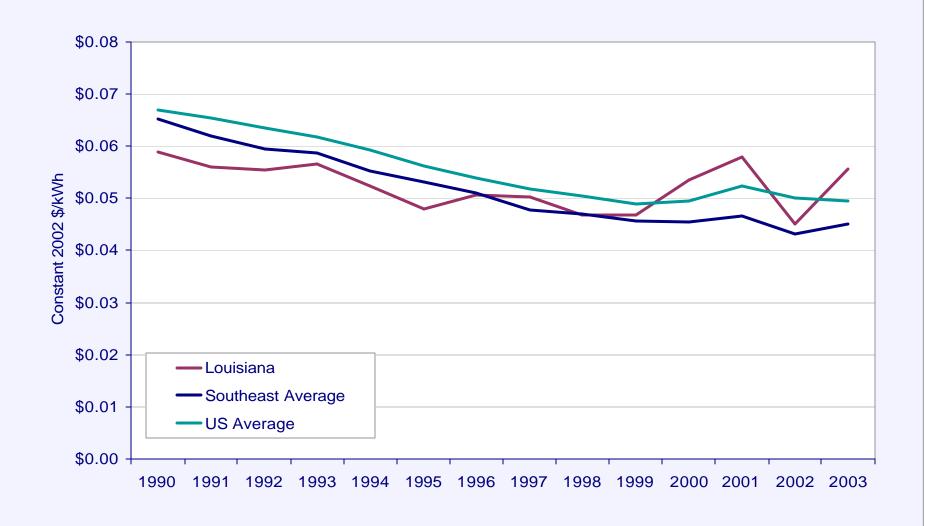


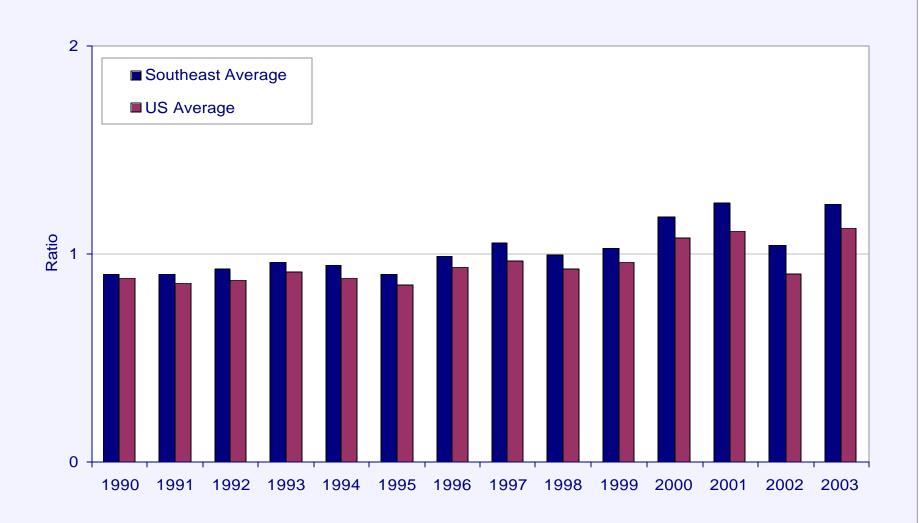


Schedule 18: Estimated Industrial Average Expenditure by SIC

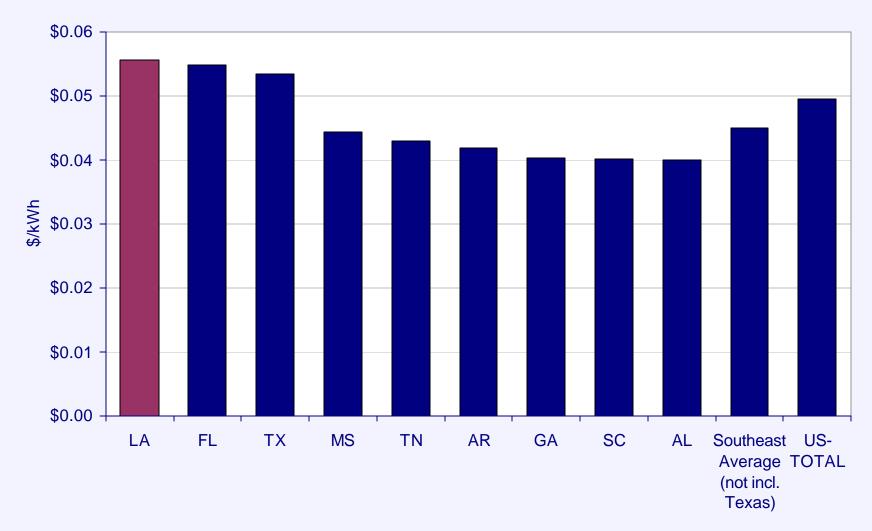
SIC		Estimated Electric Expenditures	Per Customer Average Expenditure
20	Food and Kindred Products	13,495	346
22	Textile Mill Products	3,427	1,142
23	Apparel & Textile Products	295	98
24	Lumber and Wood Products	11,406	600
26	Paper and Allied Products	105,567	5,556
27	Printing & Publishing	1,709	190
28	Chemicals and Allied Products	500,373	6,177
29	Petroleum and Coal Products	199,902	10,521
30	Rubber & Misc. Plastic Prods.	15,900	3,180
31	Leather & Leather Products	52	52
32	Stone, Clay & Glass Products	4,880	976
33	Primary Metal Industries	28,714	2,393
34	Fabricated Metal Products	3,695	205
35	Machinery & Computer Equip.	3,067	161
36	Electric & Electronic Equip.	45,462	7,577
37	Transportation Equipment	10,113	632
38	Instruments & Related Products	30	15
39	Misc. Manufacturing Industries	18	9

Schedule 19: Historic Louisiana Industrial Average Revenue (1990-2003)

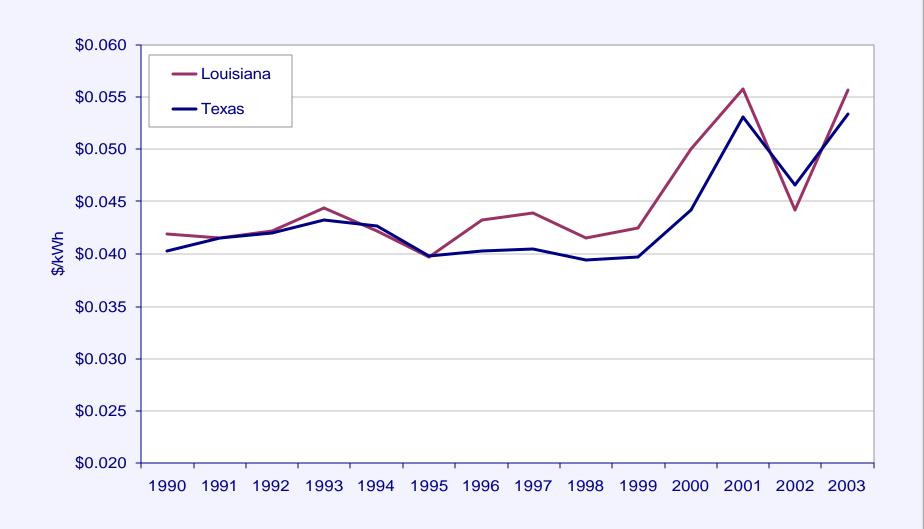




Schedule 21: Industrial Average Revenue for Southeast States and Texas (2003)



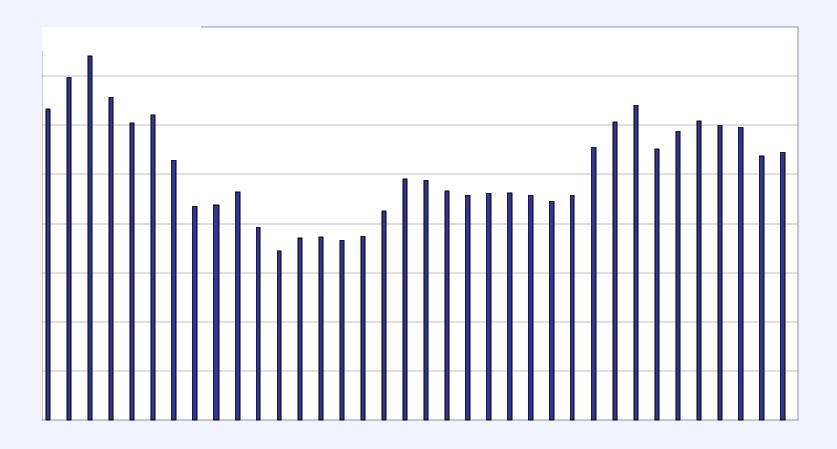
Schedule 22: Historic Louisiana and Texas Industrial Average Revenue (1990-2003)







Schedule 24: Monthly Industrial Average Revenue by Utility and Entergy Hub Price (2001-2003)







Schedule 26: Monthly Industrial Average Revenue



Schedule 27: Comparison of State Industrial Restructuring Experience

State	Year Retail Choice Initiated	Number of Participants	Percent of Total Industrial Customers	Sales a a Percer of Tota Industria
Connecticut (non-residential) Connecticut Light & Power	Phase in from Jan- 00 thru Jul-00	398		



Schedule 27: Comparison of State Industrial Restructuring Experience (continued)

State	Year Retail Choice Initiated	Number of Participants	Percent of Total Industrial Customers			Sales as a Percent of Total Industrial
Massachusetts (medium and large commerical and industrial)	Mar-98	7527	16.24%	902,057	MWh	73.03%
Michigan Consumers Energy Detroit Edison	Jan-02			165,320 199,610		18.98% 19.48%
New Jersey (customers >750 MW) Conectiv JCP&L PSE&G Rocy3Em6	Nov-99	823 33 300 480 10	46.60% 61.11% 61.22% 39.97% 47.62%	1,641 138 472 1,013	MVV MVV MVV MVV	65.83% 49.29% 70.51% 66.91% 61.05%
New York Central Hudson Consolidated Edison LIPA	Phase in from Jul- 98 thru Apr-99	83 23,172 1 12 onJ	0.20% 5.25% 1% 813,98	81,868 935,412 MWh		30.54% 41.73%

^{*} Michigan reported MWh are average monthly sales



Schedule 27: Comparison of State Industrial Restructuring Experience (continued)

			Mar-02RG TD4 11omers41omersm 0 Ym					
State	Year Retail Choice Initiated	Number of Participants	Percent of Total Industrial Customers			Sales as a Percent of Total Industrial		
Oregon Portland General Electric Pacific Power & Light	Mar-02					0.07 -		
Pennsylvania Duquesne Light MetEd/Penelec PECO Energy PPL	Phase in from Jan- 99 thru Jan-01	604 65 134 90	38.90% 1.40% 4.30% 1.80%	195 325 122 88	MW MW MW MW	0.27 0.30 0.05 0.07		
Rhode Island Narragansett Electric Company	Jan-98							
Texas (Large Commercial and Industrial)	Jan-02	1,272	16.00%	1,700,000	MWh	0.50		

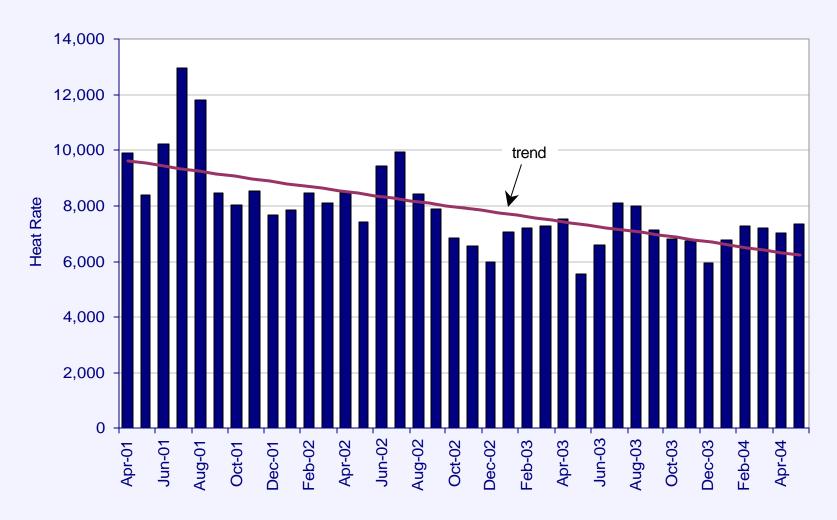
Source: Respective Public Service Commissions



Schedule 28: Analysis of Industrial Rate Changes for Industrial Choice States

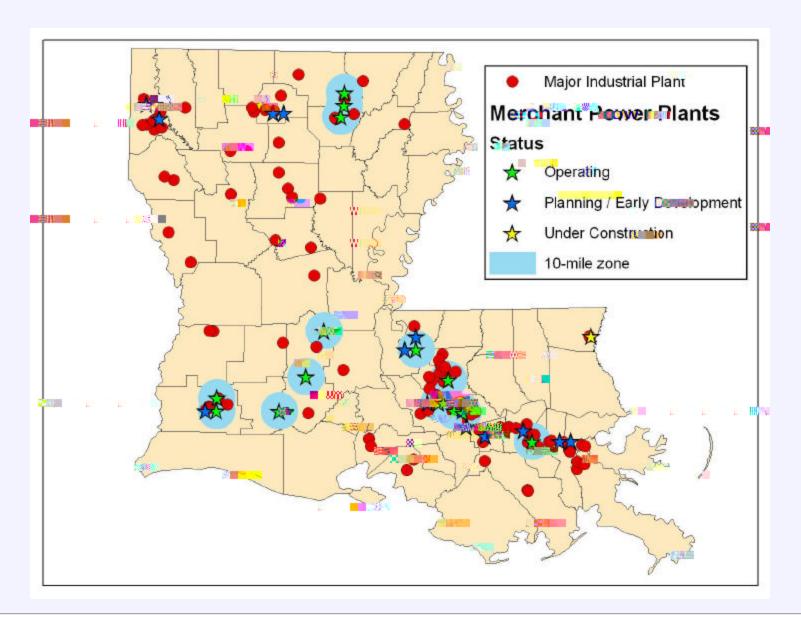
				Total Average Rate				
	Year Retail	Pre				Post		
State	Choice	Competition	_	Pre Competition		Competition	Percent	
State	Initiated	Year	C			Competition		(2002 (\$/kWh)
Connecticut (Non-residential)	Phase in from Jan- 00 thru Jul-00	1999	\$	0.0742	\$	0.0761	2.5%	
Delaware (Non-residential)	Phase in from Oct- 99 thru Apr-01	1999	\$	0.0473	\$	0.0501	5.9%	
Illinois (Non-residential)	Oct-99	1999	\$	0.0501	\$	0.0455	-9.2%	
Massachusetts (Medium and Large Commercial and Industrial)	Mar-98 Phase in from Jul-	1997	\$	0.0869	\$	0.0774	-10.9%	
Maryland	00 thru Jul-02	2000	\$	0.0413	\$	0.0352	-14.8%	
Maine (Medium and Large Customers)	Mar-00	1999	\$	0.0642	\$	0.0566	-11.9%	
Michigan	Jan-02	2001	\$	0.0508	\$	0.0494	-2.9%	
New Jersey (Customers >750 MW)	Nov-99	1999	\$	0.0768	\$	0.0764	-0.4%	
New York Ohio	Phase in from Jul- 98 thru Apr-99 Jan-01	1998 2000	\$ \$	0.0495 0.0436	\$ \$	0.0473 0.0436	-4.3% -0.1%	
Oregon	Mar-02	2001	\$	0.0421	\$	0.0472	12.1%	
	Phase in from Jan-							
Pennsylvania	99 thru Jan-01	1998	\$	0.0560	\$	0.0594	5.9%	
Rhode Island	Jan-98	1997	\$	0.0851	\$	0.0726	-14.6%	
Texas (Large Commercial and Industrial)	Jan-02	2001	\$	0.0531	\$	0.0466	-12.3%	





Note: Entergy series includes Entergy Louisiana and Entergy Gulf States; and Entergy Hub price is on-peak into-Entergy quoted price. Source: Energy Information Administration, Department of Energy; and Intercontinental Exchange







Schedule 31: LPSC Staff Analysis of Eligible Customers

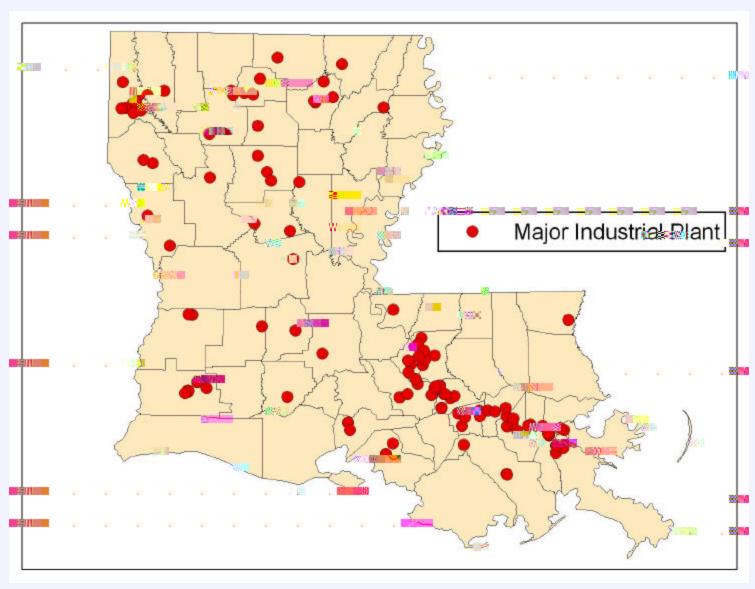


Schedule 32: Reconciliation of LPSC Staff Analysis with CES Estimates of Eligible Customers

Utility (Served by)	Number of Plants	Net Eligible Electricity Usage (MWh)	LPSC Number of Plants	LPSC Estimated Sales	CES Versus LPSC Customers	CES Versus LPSC Sales	Percent Difference - Customers (%)	Percent Difference - Sales (%)
CLECO	18	2,074,114	14	1,896,255	4	177,859	29%	9%
Entergy	111	17,168,804	112	18,558,000	-1	(1,389,196)	-1%	-7%
AEP-SWEPCO	10	972,898	7	455,017	3	517,881	43%	114%
Total	139	20,215,816	133	20,909,272	6	(693,456)	5%	-3%

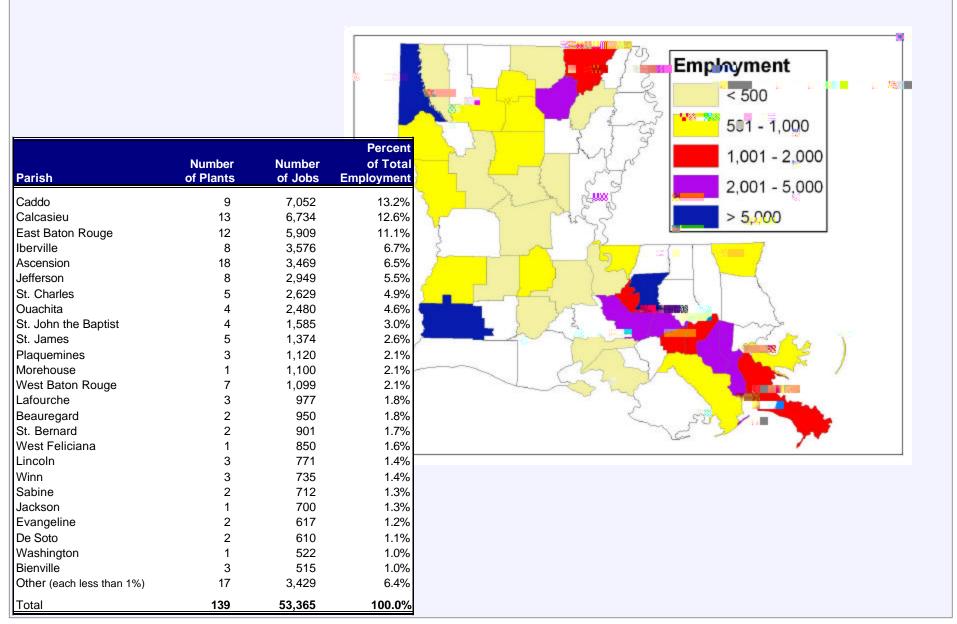
Source: Louisiana Public Service Commission, Report of the Commission Staff on Retail Access Collaborative Issues, February 25, 2003; and IHS Energy Group Inc., Major Industrial Plant Database, 2002





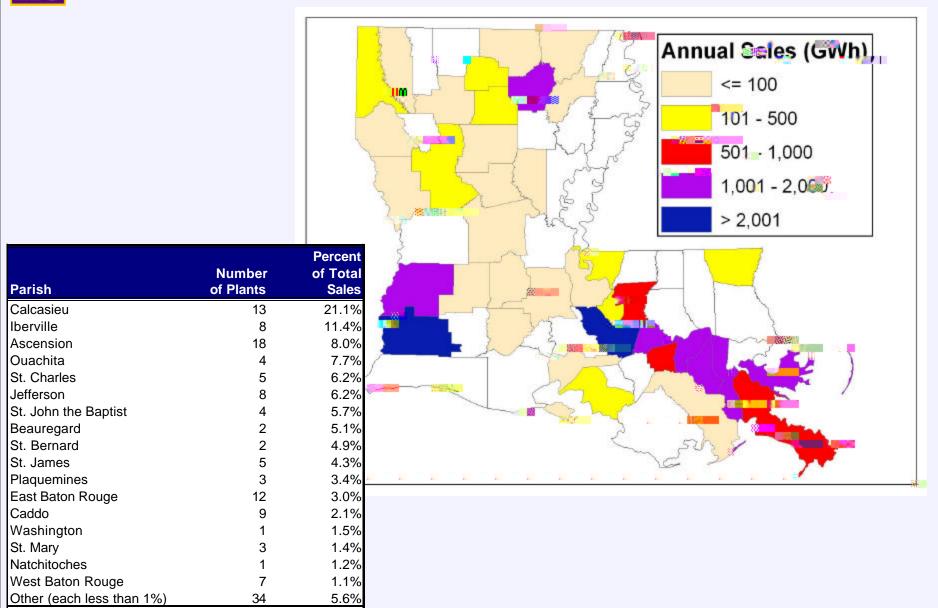


Schedule 34: Employment of Estimated Eligible Customers by Parish





Schedule 35: Estimated Sales to Eligible Customers by Parish

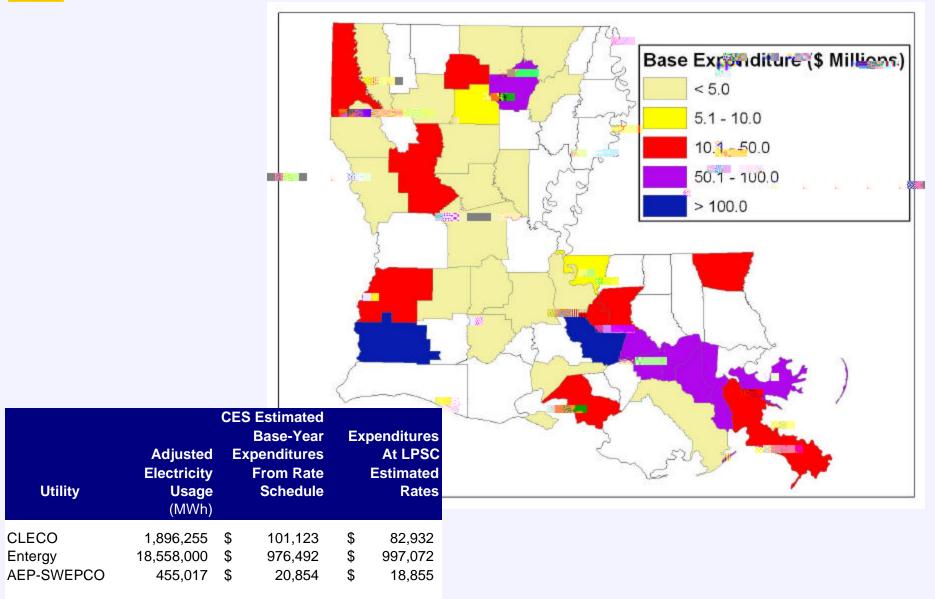


Schedule 36: Estimated Eligible Sales by SIC

SIC	Description	CES Estimated Eligible Sales (MWh)
20	Food and Kindred Products	156,717
23	Apparel & Textile Products	2,490
24	Lumber and Wood Products	236,275
26	Paper and Allied Products	2,303,185
27	Printing & Publishing	13,944
28	Chemicals and Allied Products	11,561,367
29	Petroleum and Coal Products	4,756,130
30	Rubber & Misc. Plastic Prods.	377,948
32	Stone, Clay & Glass Products	71,560
33	Primary Metal Industries	673,262
34	Fabricated Metal Products	49,064
35	Machinery & Computer Equip.	50,451
36	Electric & Electronic Equip.	624,230
37	Transportation Equipment	32,650
	Total	20,909,272



Schedule 37: Summary of Expenditures and Sales for LPSC and CES





Schedule 38: Summary of Estimated

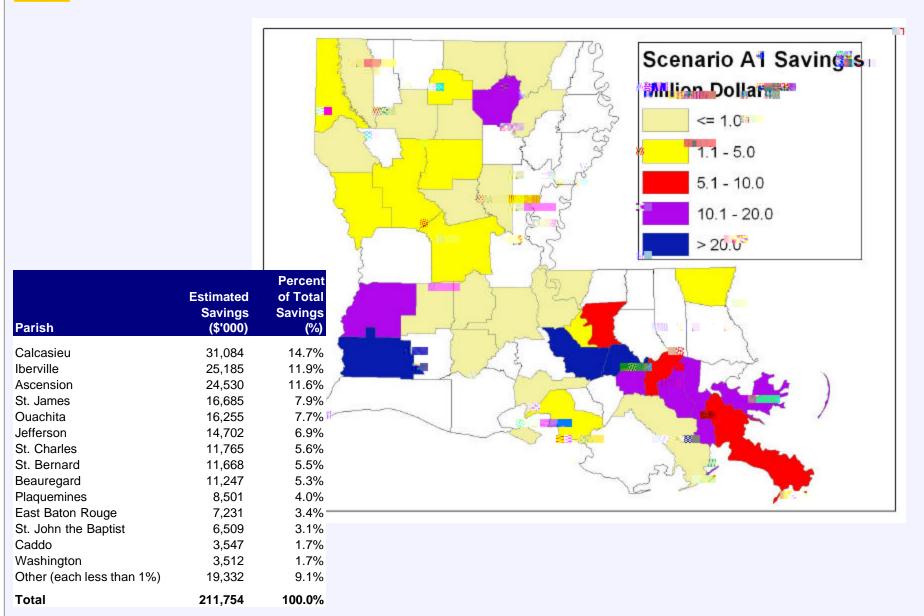


Schedule 39: Summary of Estimated Savings by SIC

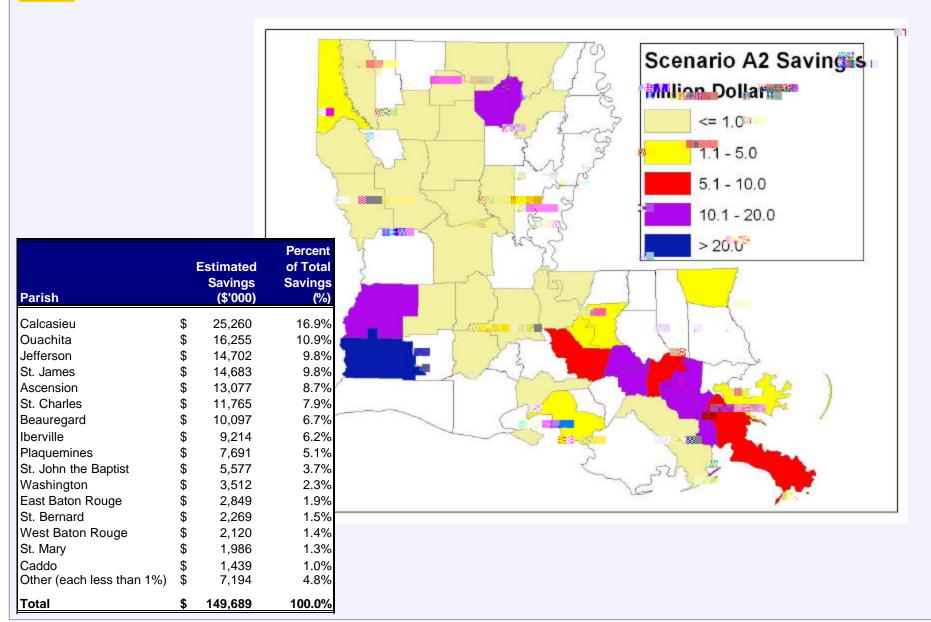
Scenario 1	Scenario 2				
	Scenario 2	Scenario 3	Scenario 1	Scenario 2	Scenario 3
1,977	1,977	1,649	2,120	2,120	1,951
6	6	6	6	6	6
3,729	1,581	1,057	3,475	1,327	803
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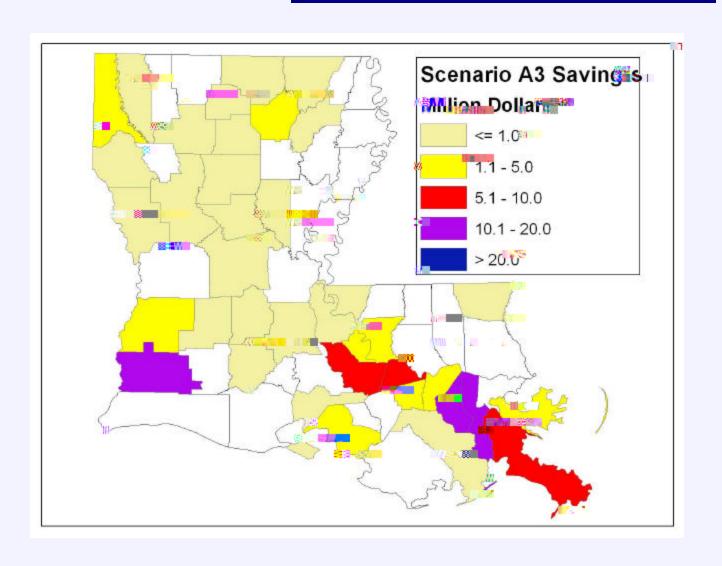
Schedule 40: Distribution from Average Savings Approach, Scenario 1



Schedule 41: Distribution from Average Savings Approach, Scenario 2

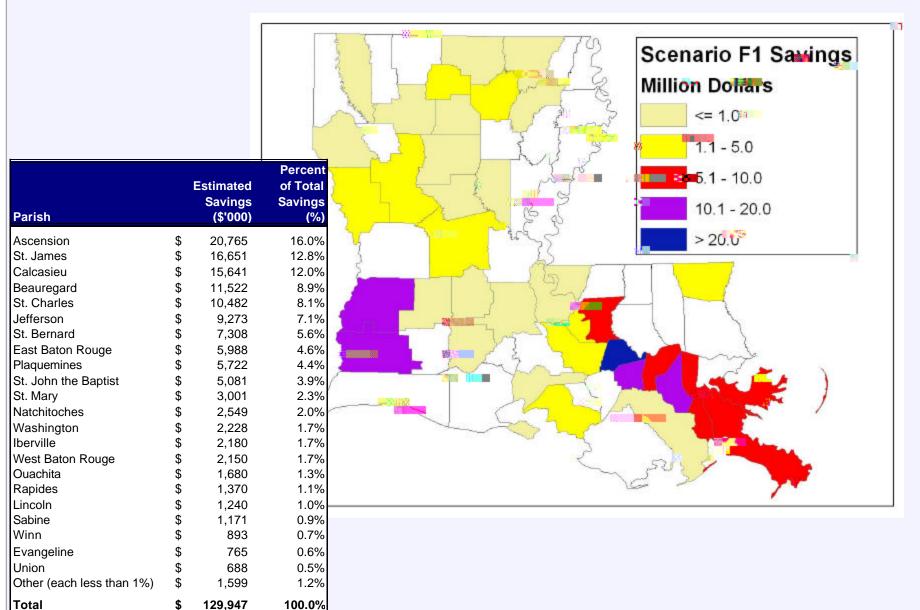






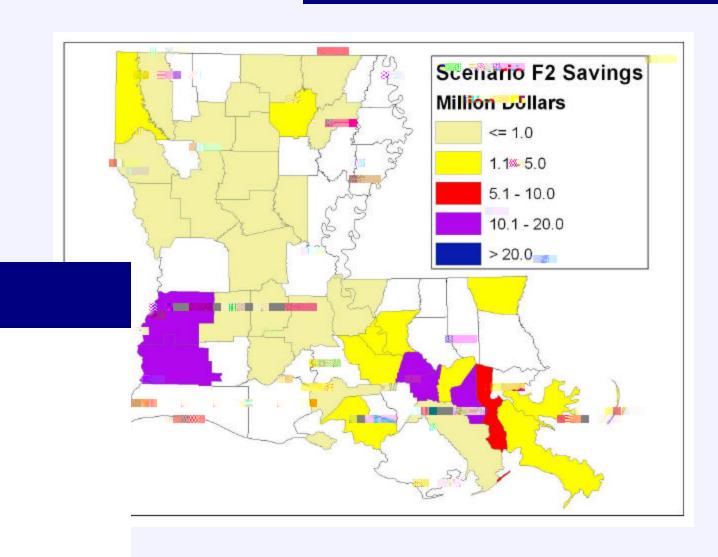


Schedule 43: Distribution from Fixed Heat Rate Approach, Scenario 1

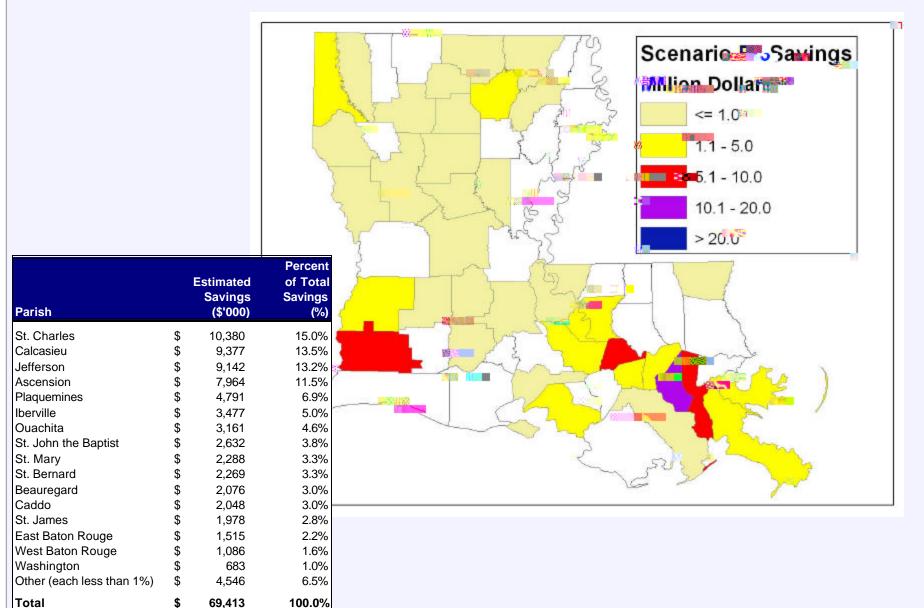




Schedule 44: Distribution from Fixed Heat Rate Approach, Scenario 2









Schedule 46: Economic Impact Results Average Savings Approach, Scenario 1

		Induced and								Induced and					Induced and					
SIC	SIC Description		Direct		Indirect			Total	Direct	Indirect	Total		Direct		Indirect		Total			
20	Food and Kindred Products	\$	1,126	\$	767	\$		1,893	4	3	7	\$	136	\$	93	\$	229			
22	Textile Mill Produts	\$	-	\$	3	\$		3	-	0	0	\$	-	\$	1	\$	1			
23	Apparel & Textile Products	\$	1	\$	70	\$		72	0	1	1	\$	0	\$	13	\$	13			
24	Lumber and Wood Products	Tw\$)-58 2 0 25 9	\$	60 45)7	\$	(2, 71/ 2	.1 12]95 19.25) 3(-0.00 TID		\$ \$							

Apparel & Textile P\$oducts 1



Schedule 46: Economic Impact Results Average Savings Approach, Scenario 2

			li.	nduced and			nduced and			lr	nduced and	
SIC	SIC Description	Direct		Indirect	Total	Direct	Indirect	Total	Direct		Indirect	Total
20	Food and Kindred Products	\$ 1,126	\$	559	\$ 1,685	4	2	7	\$ 136	\$	68	\$ 204
22	Textile Mill Produts	\$ -	\$	3	\$ 3	-	0	0	\$ -	\$	1	\$ 1 /
23	Apparel & Textile Products	\$ 1	\$	48	\$ 49	0	0	0	\$ 0	\$	9	\$ 9
24	Lumber and Wood Products	\$ 956	\$	214	\$ 1,170	6	1	7	\$ 206	\$	46	\$ 251
26	Paper and Allied Products	\$ 158	\$	13	\$ 171	0	0	1	\$ 29	\$	2	\$ 31
27	Printing & Publishing	\$ 9	\$	50	\$ 59	0	0	1	\$ 2	\$	13	\$ 15
28	Chemicals and Allied Products	\$ 14,506	\$	816	\$ 15,322	31	2	32	\$ 2,418	\$	136	\$ 2,554
29	Petroleum and Coal Products	\$ 25,990	\$	3,913	\$ 29,903	12	2	13	\$ 944	\$	142	\$ 1,087
30	Rubber & Misc. Plastic Prods.	\$ 1,528	\$	254	\$ 1,781	8	1	10	\$ 295	\$	49	\$ 344
32	Stone, Clay & Glass Products	\$ 72	\$	21	\$ 93	0	0	1	\$ 18	\$	5	\$ 24
33	Primary Metal Industries	\$ 68	\$	4	\$ 72	0	0	0	\$ 13	\$	1	\$ 14
34	Fabricated Metal Products	\$ 28	\$	47	\$ 76	0	0	0	\$ 8	\$	13	\$ 20
35	Machinery & Computer Equip.	\$ 179	\$	72	\$ 251	1	0	2	\$ 61	\$	24	\$ 85
36	Electric & Electronic Equip.	\$ 608	\$	134	\$ 742	3	1	3	\$ 136	\$	30	\$ 166
37	Transportation Equipment	\$ 26	\$	107	\$ 134	0	0	1	\$ 6	\$	23	\$ 29
38	Instruments & Related Products	\$ -	\$	2	\$ 2	-	0	0	\$ -	\$	1	\$ 1
39	Misc. Manufacturing Industries	\$ -	\$	7	\$ 7	-	0	0	\$ -	\$	2	\$ 2
	Other	\$ -	\$	29,004	\$ 29,004	-	232	232	\$ -	\$	7,234	\$ 7,234
	Total Louisiana	\$ 45,255	\$	35,268	\$ 80,523	67	243	310	\$ 4,271	\$	7,798	\$ aQ102,D160915



Schedule 46: Economic Impact Results Average Savings Approach, Scenario 3

			lr	nduced and			Induced ar	nd			Induced and					
SIC	SIC Description	Direct		Indirect	Total	Direct	Indire	ct	Total		Direct		Indirect		Total	
20	Food and Kindred Products	\$ 939	\$	383	\$ 1,322	4		1	5	\$	114	\$	46	\$	160	
22	Textile Mill Produts	\$ -	\$	1	\$ 1	-		0	0	\$	-	\$	0	\$	0	
23	Apparel & Textile Products	\$ 1	\$	31	\$ 33	0		0	0	\$	0	\$	6	\$	6	
24	Lumber and Wood Products	\$ 639	\$	140	\$ 779	4		1	5	\$	137	\$	30	\$	168	
26	Paper and Allied Products	\$ 39	\$	8	\$ 47	0		0	0	\$	7	\$	1	\$	9	
27	Printing & Publishing	\$ 9	\$	32	\$ 41	0		0	0	\$	2	\$	8	\$	11	
28	Chemicals and Allied Products	\$ 8,401	\$	475	\$ 8,876	18		1	19	\$	1,400	\$	79	\$	1,479	
29	Petroleum and Coal Products	\$ 19,782	\$	2,859	\$ 22,641	9		1	10	\$	719	\$	104	\$	823	
30	Rubber & Misc. Plastic Prods.	\$ 334	\$	144	\$ 478	2,	achinery & (1 2	tor Earlin	\$ &	64	\$	28	\$	92	
32	Stone, Clay & Glass Products	\$ 72	\$	14	\$ 86	0	acrimery &	0	iter Equip.	\$ ⁴	18	\$	4	\$	22	
33	Primary Metal Industries	\$ 24	\$	2	\$ 26	0		0	0	\$	5	\$	0	\$	5	
34	Fabricated Metal Products	\$ 8	\$	30	\$ 38	0		0	0	\$	2	\$	8	\$	10	
35	Machinery & Computer Equip.	\$ 89	\$	46	\$	86	3									



Schedule 47: Economic Impact Results Fixed Heat Rate Approach, Scenario 1

			Inc	duced and		In	duced and			In	duced and	
SIC	SIC Description	Direct		Indirect	Total	Direct	Indirect	Total	Direct		Indirect	Total
20	Food and Kindred Products	\$ 1,208	\$	532	\$ 1,739	5	2	7	\$ 146	\$	64	\$ 210
22	Textile Mill Produts	\$ -	\$	2	\$ 2	-	0	0	\$ -	\$	1	\$ 1
23	Apparel & Textile Products	\$ 1	\$	45	\$ 46	0	0	0	\$ 0	\$	8	\$ 8
24	Lumber and Wood Products	\$ 2,102	\$	404	\$ 2,506	13	2	15	\$ 452	\$	87	\$ 539
26	Paper and Allied Products	\$ 168	\$	12	\$ 180	1	0	1	\$ 30	\$	2	\$ 33
27	Printing & Publishing	\$ 9	\$	45	\$ 54	0	0	0	\$ 2	\$	12	\$ 14
28	Chemicals and Allied Products	\$ 11,792	\$	686	\$ 12,478	25	1	26	\$ 1,965	\$	114	\$ 2,080
29	Petroleum and Coal Products	\$ 25,920	\$	3,806	\$ 29,726	12	2	13	\$ 942	\$	138	\$ 1,080
30	Rubber & Misc. Plastic Prods.	\$ 1,047	\$	216	\$ 1,263	6	1	7	\$ 202	\$	42	\$ 244
32	Stone, Clay & Glass Products	\$ 73	\$	20	\$ 93	0	0	1	\$ 18	\$	5	\$ 23
33	Primary Metal Industries	\$ 60	\$	3	\$ 63	0	0	0	\$ 12	\$	1	\$ 12
34	Fabricated Metal Products	\$ 24	\$	44	\$ 68	0	0	0				



Schedule 47: Economic Impact Results Fixed Heat Rate Approach, Scenario 2

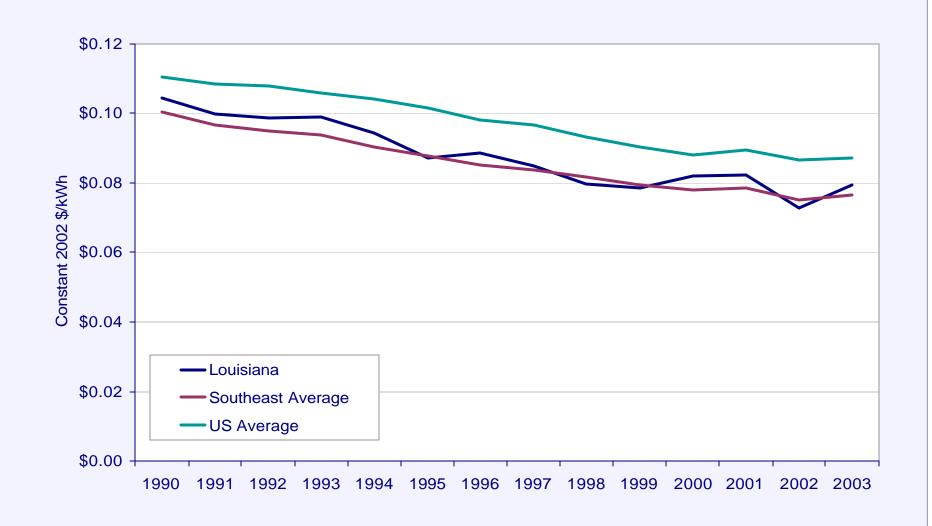
			lr	duced and		lı	nduced and			Induced and			
SIC	SIC Description		Direct	Indirect	Tota	Direct	Indirect	Total	Direct	In	direct	Tota	
20	Food and Kindred Products	\$	1,208 \$	462	\$ 1,670	5	2	6 \$	146	\$	56 \$	202	
225	393.75 TD 0.1653 D Tw (5D 0 0	000.0805	5 02 Tw (\$) Tj 35.20	TQ q 644.25 3	593.25 391.5 24	l 9 Tw (202) Tj	-D 03.607 Tw (\$) Tj 33	0 TD 0	Tc -0.0805	Tw()Tj6	



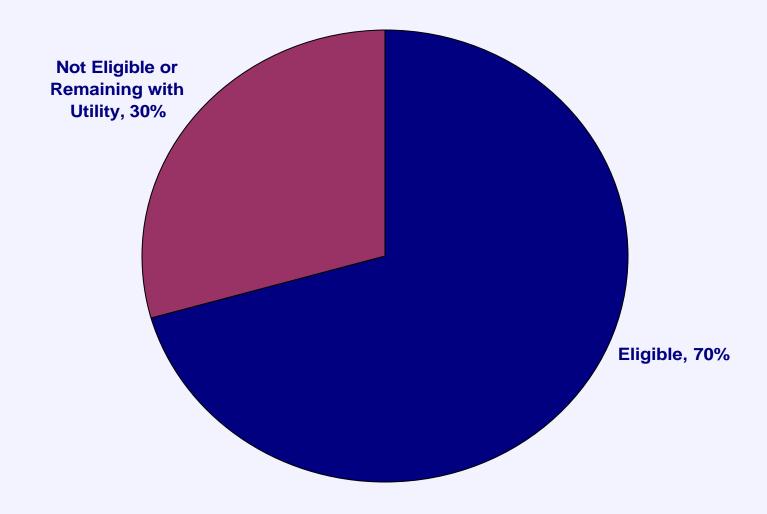
Schedule 47: Economic Impact Results Fixed Heat Rate Approach, Scenario 3

		duced and	duced and Induced and					Induced and							
SIC	SIC Description	Direct		Indirect		Total	Direct	Indirect	Total		Direct		Indirect		Total
20	Food and Kindred Products	\$ 1,111	\$	355	\$	1,466	4	1	6	\$	134	\$	43	\$	177
22	Textile Mill Produts	\$ -	\$	1	\$	1	-	0	0	\$	-	\$	0	\$	0
23	Apparel & Textile Products	\$ 1	\$	27	\$	28	0	0	0	\$	0	\$	5	\$	5
24	Lumber and Wood Products	\$ \$ 486													

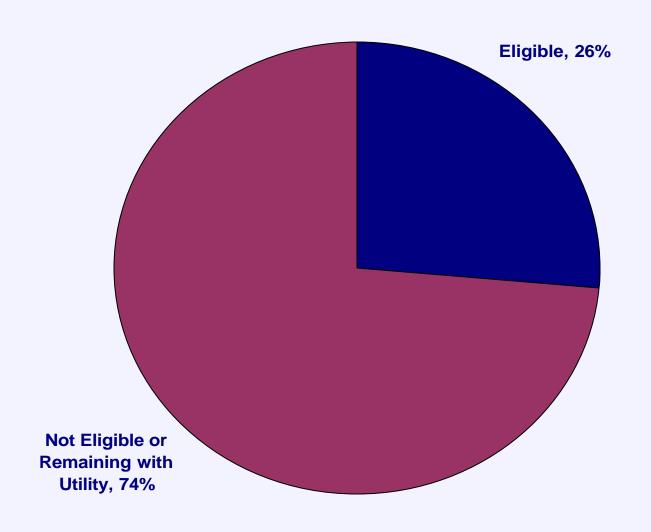
Schedule 48: Historic Louisiana Residential Average Revenue, 1990-2003

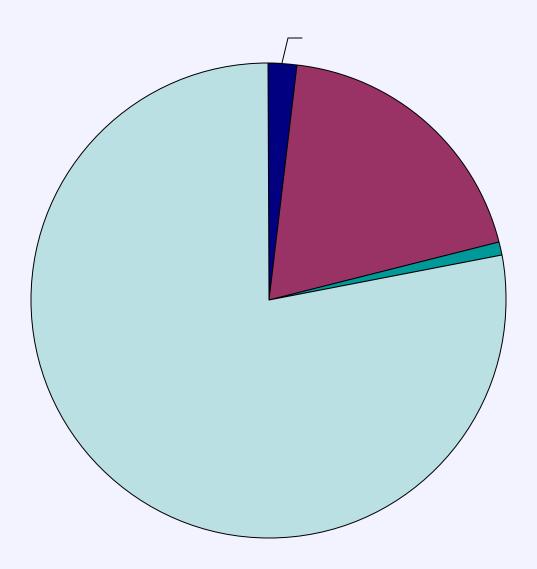




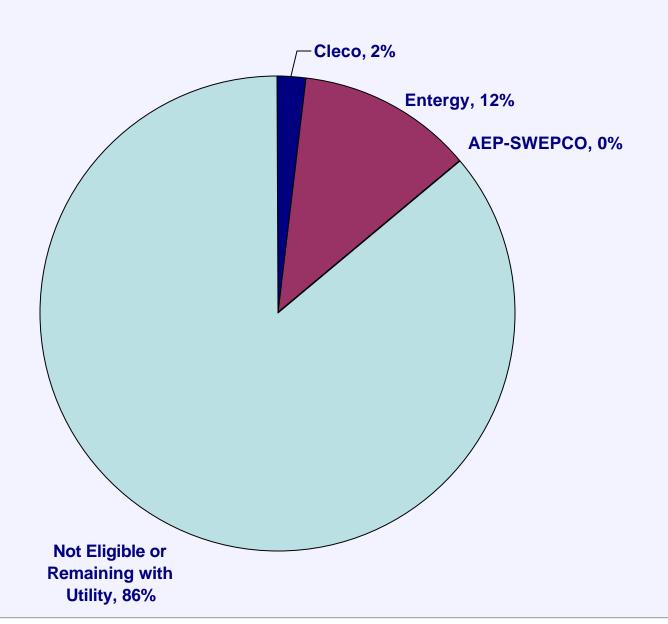




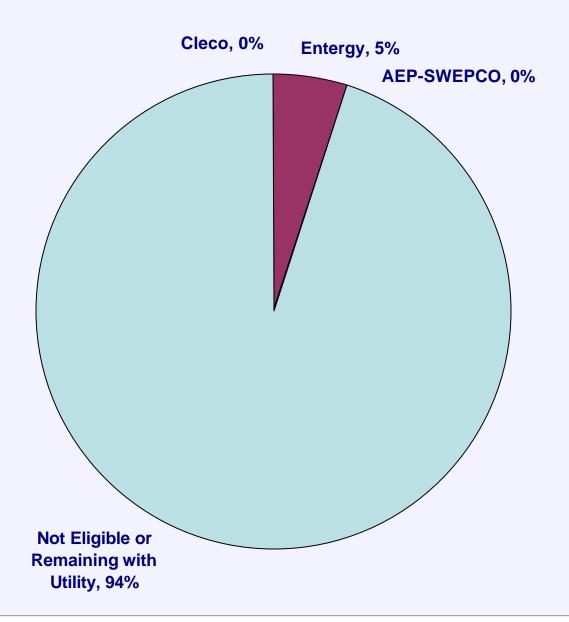




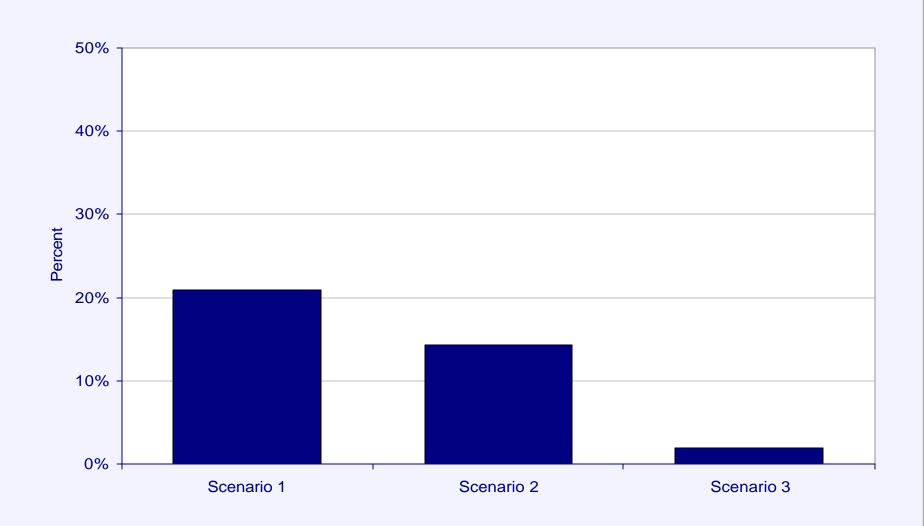




Schedule 53: Eligible Sales as a Percent of



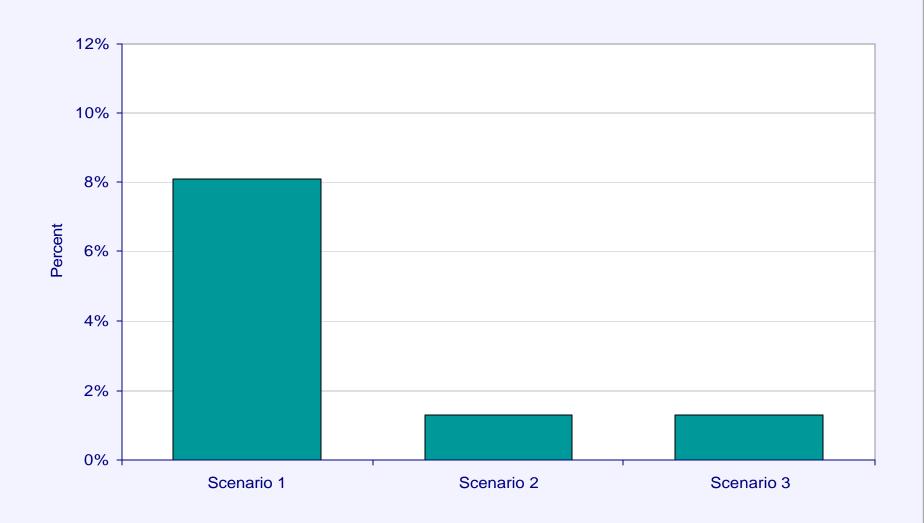
Schedule 54: Eligible Sales as a Percent of Total Company Sales - CLECO



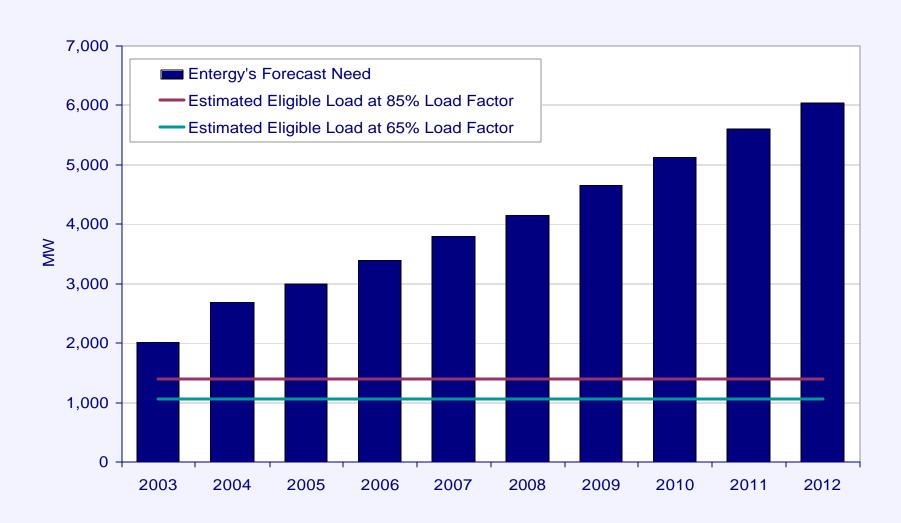




Schedule 56: Eligible Sales as a Percent of Total Company Sales –



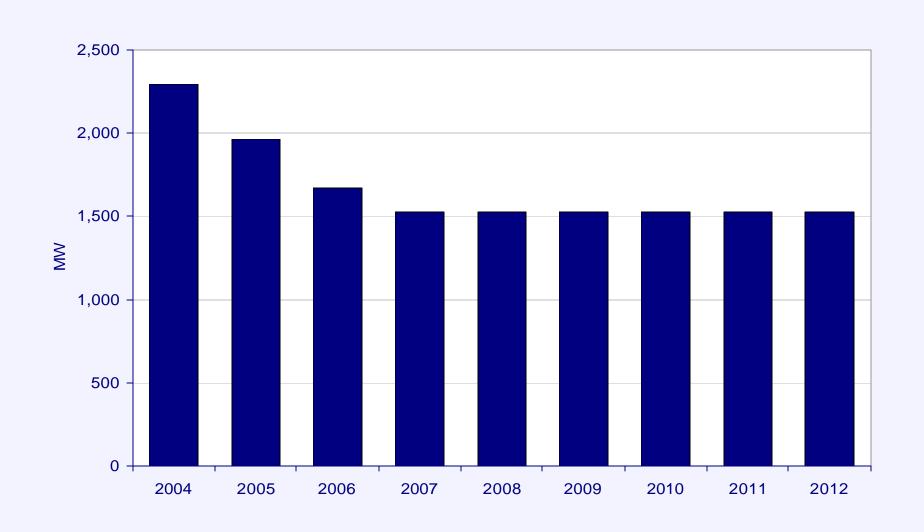




Note: For illustration purposes, assumes no growth in industrial load; and estimated supply requirements for Entergy Operating Companies.

Source: Entergy 2003 Resource Plan

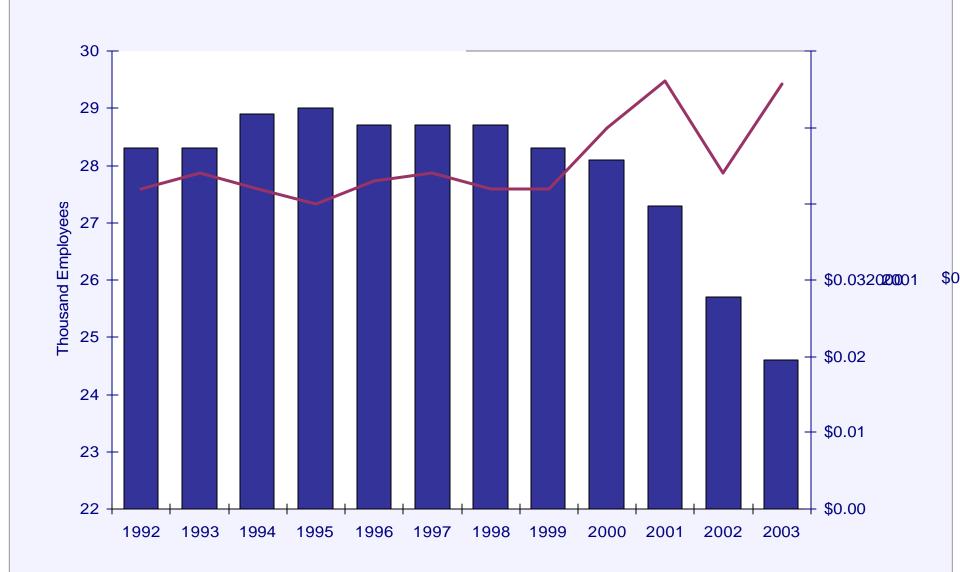




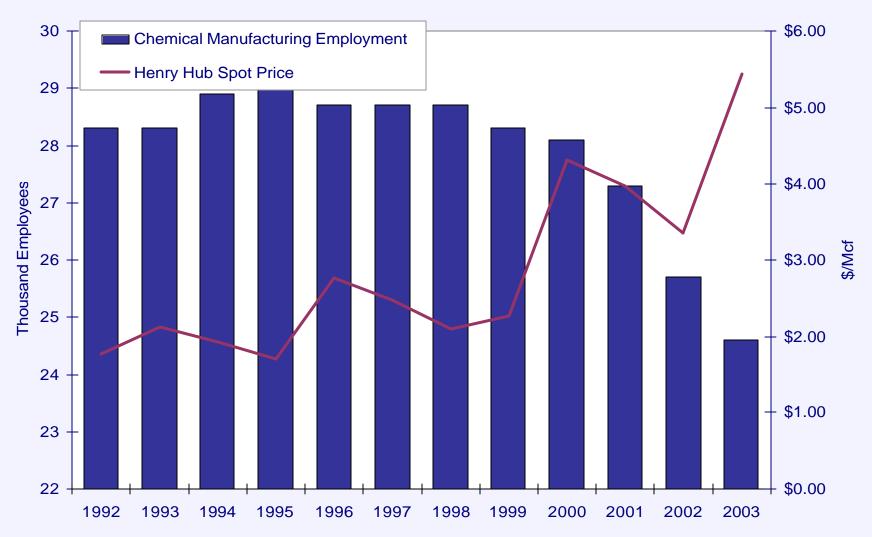




Schedule 60: Louisiana Chemical Industry Employment and Electric Price (1992-2003)



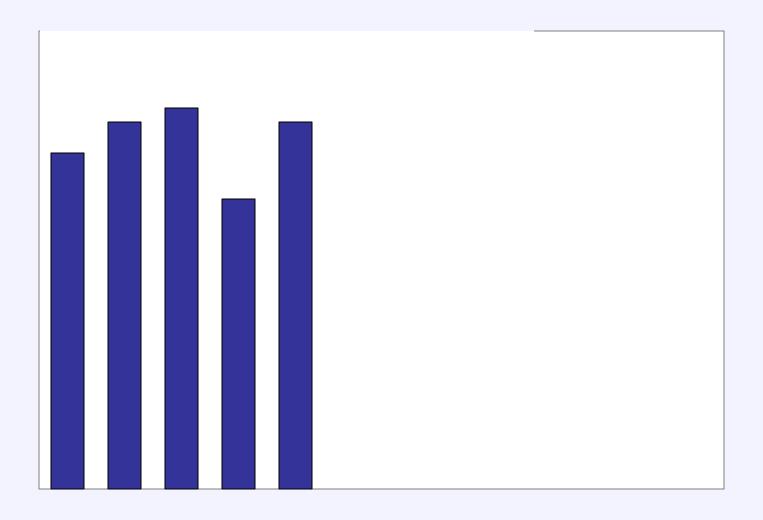
Schedule 61: Louisiana Chemical Industry Employment and Natural Gas Spot Price (1992-2003)



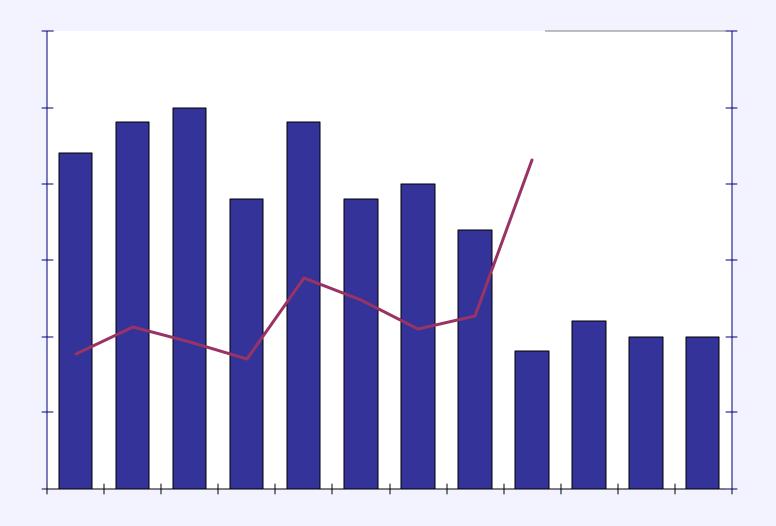
Source: Louisiana Department of Labor; and Intercontinental Exchange



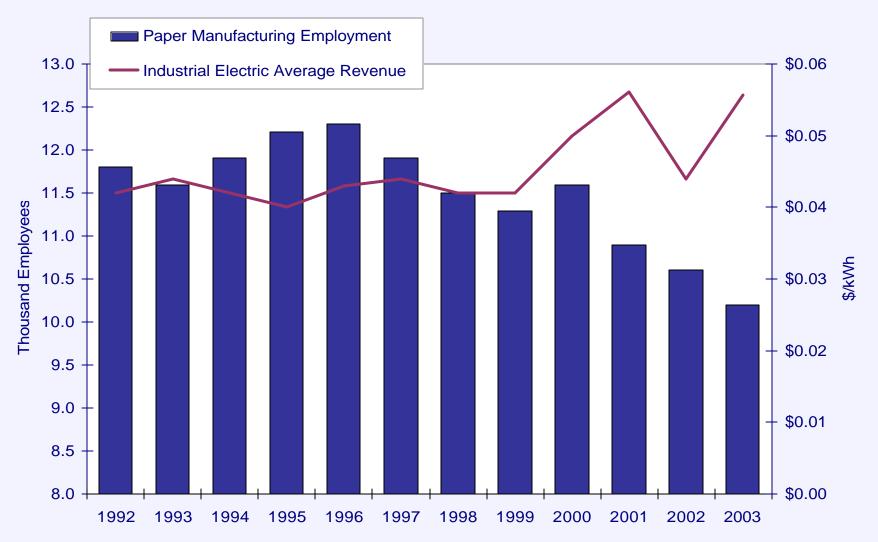
Schedule 62: Louisiana Petroleum Refining Employment and Electric Price (1992-2003)



Schedule 63: Louisiana Petroleum Refining Employment and Natural Gas Spot Price (1992 -2003)

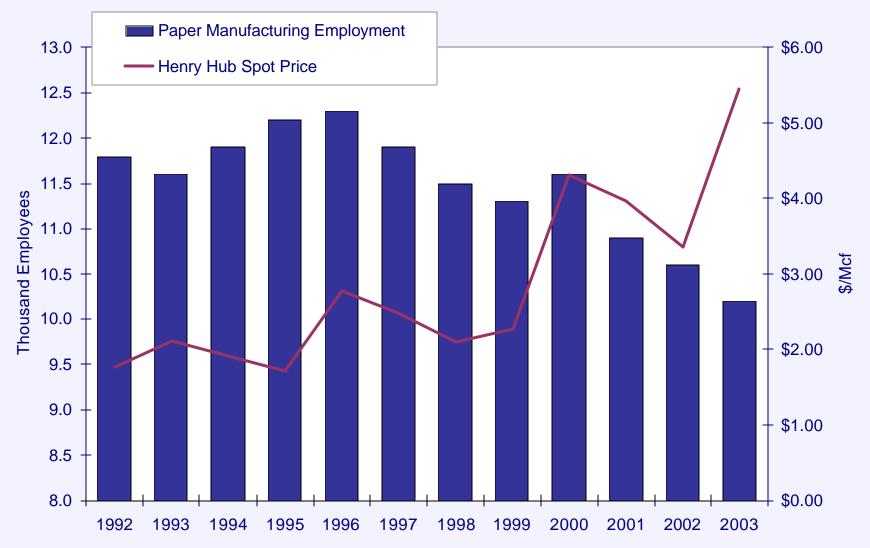


Schedule 64: Louisiana Paper Manufacturing Employment and Electric Price (1992-2003)



Source: Louisiana Department of Labor; and Energy Information Administration, Department of Energy

Schedule 65: Louisiana Paper Manufacturing Employment and Natural Gas Spot Price (1992-2003)



Source: Louisiana Department of Labor; and Intercontinental Exchange