

LOUISIANA, AN ENERGY CONSUMING STATE: AN UPDATE USING 2002 DATA

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In 2002, Louisiana consumed 3,689.1 trillion BTUs (TBTUs) of energy, ranking it 8th among the states in total energy consumption. Figures 1 & 2 show the total energy consumption as percentages attributable to sector and source, respectively.

Figure 1. Louisiana Energy Consumption Percentage by Sector - 2002

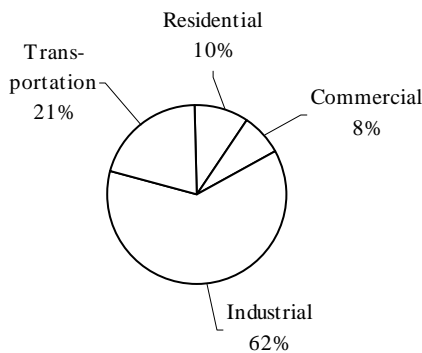
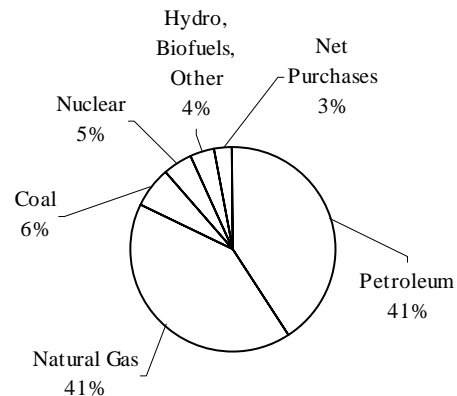


Figure 2. Louisiana Energy Consumption Percentage by Source - 2002



The industrial sector is, by far, the largest energy consumer in Louisiana. The abundance of Louisiana's natural resources has, historically, meant low energy prices, which have attracted a large cluster of energy intensive industries to the State. The large industrial sector consumption is also reflected in Louisiana's high natural gas consumption, which is used both as an energy source and a feedstock.

Table 1 shows where Louisiana ranks among the states in various energy consumption categories, and lists the top energy consuming state for each category. Louisiana's high ranking for per capita energy consumption is a reflection of high industrial energy consumption.

Louisiana also produced large quantities of energy. Table 2, on the following page, compares Louisiana's energy consumption to its energy production. It shows that, in 2002, Louisiana consumed 1,315 TBTUs more energy than it produced if Louisiana OCS oil and gas production is not included.

Table 1. Louisiana Energy Consumption Rankings Among the States - 2002

Category	Rank	TBTU	#1 State (TBTU)
Residential	22	372.5	Texas (1,632.8)
Commercial	23	272.6	California (1,472.8)
Industrial	2 *	2,265.7	Texas (6,721.1)
Transportation	11	778.2	California (3,134.1)
Coal	31	232.1	Texas (1,550.3)
Natural Gas	3	1,526.2	Texas (4,721.9)
Petroleum	5	1,506.5	Texas (5,666.7)
Electricity	16	270.4	Texas (1,094.7)
Total	8	3,689.1	Texas (12,489.3)
Per Capita (MBTU)	3	824.2	Alaska (1,149.1)

* For this item, we have updated data showing a 2004 ranking of 3rd

Table 2. Louisiana Energy Balance - 2002¹

<u>ENERGY SOURCE</u>		<u>PRODUCTION</u>	<u>CONSUMPTION</u>	<u>NET STATE ENERGY PRODUCTION</u>	
				<u>Excluding OCS</u>	<u>Including OCS</u>
PETROLEUM:	STATE OIL ²	543.4 TBTU ⁴ (93.7 MMBBL)	1,506.5 TBTU (293.7 MMBBL)	-963.1 TBTU	1,987.0 TBTU
	LOUISIANA OCS OIL ²	2,950.1 TBTU ⁴ (508.6 MMBBL)			
NATURAL GAS:	STATE GAS ³	1,457.4 TBTU ⁴ (1.362 TCF)	1,526.2 TBTU (1.426 TCF)	-68.8 TBTU	3,632.0 TBTU
	LOUISIANA OCS GAS ³	3,700.8 TBTU ⁴ (3.458 TCF)			
COAL:	LIGNITE	51.1 TBTU (3.503 MMSTON)	232.1 TBTU (14.676 MMSTON)	-181.0 TBTU	-181.0 TBTU
NUCLEAR ELECTRIC POWER		180.7 TBTU (17.305 Billion KWHR)	180.7 TBTU (17.305 Billion KWHR)	0.0 TBTU	0.0 TBTU
HYDROELECTRIC, BIOFUELS & OTHER		141.5 TBTU	141.5 TBTU	0.0 TBTU	0.0 TBTU
NET INTERSTATE PURCHASES OF ELECTRICITY INCLUDING ASSOCIATED LOSSES			102.1 TBTU (32.097 Billion KWHR)	-102.1 TBTU	-102.1 TBTU
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TOTALS:	EXCLUDING LOUISIANA OCS	2,374.1 TBTU	3,689.1 TBTU	-1,315.0 TBTU	
	INCLUDING LOUISIANA OCS	9,025.0 TBTU	3,689.1 TBTU		5,335.9 TBTU

The Louisiana energy balance for 2002 shows that the state consumed 1,315 more TBTUs of energy than it produced if Louisiana OCS production is not included. If Louisiana OCS production is included, the state is a net producer of energy by 5,335 TBTUs.

TCF = Trillion Cubic Feet
TBTU = Trillion BTUs
MMBBL = Million Barrels

OCS = Outer Continental Shelf (federal waters seaward of the state's 3-mile offshore boundary)
KWHR = Kilowatt hour
MMSTON = Million Short Tons

1. Unless otherwise noted, data is obtained from the Energy Information Administration's latest published figures for state energy consumption.
2. Includes condensate
3. Includes gas plant liquids
4. Louisiana Department of Natural Resources data