

LOUISIANA, AN ENERGY CONSUMING STATE: AN UPDATE USING 2013 DATA

by
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Louisiana ranks high among the states in overall energy consumption. Louisiana ranked 5th in total energy consumption in 2013 and it was 4th in 2012. Louisiana is 3rd in per capita energy consumption for 2013. The main reason for Louisiana’s high energy consumption is the extremely energy intensive petrochemical and petroleum refining industry that is located in the state. 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. Figures 1 & 2 below show Louisiana energy consumption by sector and source. The large amount of energy consumed by the petrochemical and petroleum refining industry is reflected in the high percentage for the industrial sector and the high percentages for natural gas and petroleum.

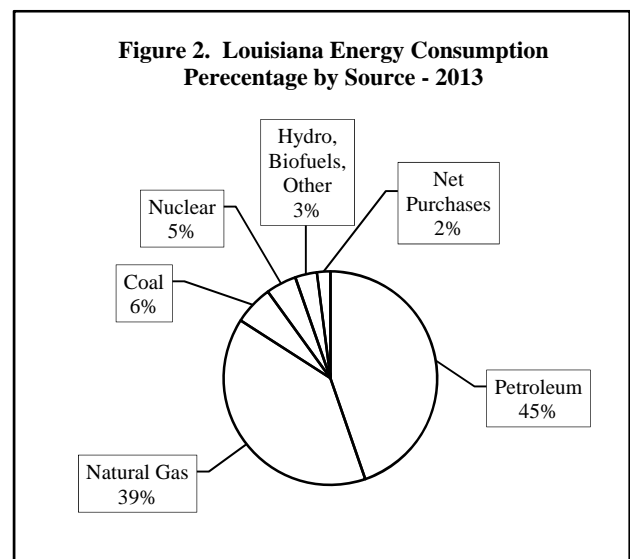
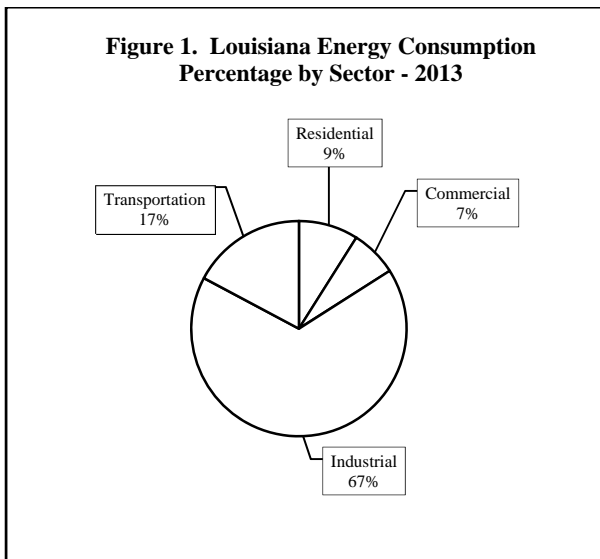


Table 1 shows where Louisiana ranks among the states in various energy consumption categories and lists the top energy consuming state for each category.

Louisiana is also a large producer of energy, mainly in the form of crude oil and natural gas. Table 2, on the following page, presents the Louisiana energy balance for 2013. The energy balance is calculated both inclusive and exclusive of Louisiana’s OCS oil and gas production.

Category	Rank	TBTU	#1 State (TBTU)
Residential	26	343.6	Texas (1,685.9)
Commercial	24	269.1	Texas (1,609.9)
Industrial	2	2,562.0	Texas (6,574.8)
Transportation	13	660.2	Texas (3,073.5)
Coal	28	228.1	Texas (1,597.4)
Natural Gas	3	1,501.1	Texas (4,137.4)
Petroleum	3	1,714.7	Texas (6,259.5)
Electricity	16	292.8	Texas (1,292.5)
Total	5	3,835.0	Texas (12,944.1)
Per Capita (MBTU)	3	849.0	Wyoming (949.0)

Table 2. Louisiana Energy Balance - 2013 ¹

<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	418.2 TBTU ⁴ (72.1 MMBBL)	1,714.7 TBTU (330.4 MMBBL)	-1,296.5 TBTU	1,016.7 TBTU
	LOUISIANA OCS OIL ²	2,313.2 TBTU ⁴ (398.8 MMBBL)			
NATURAL GAS:	STATE GAS ³	2,362.8 TBTU ⁴ (2.319 TCF)	1,510.1 TBTU (1.475 TCF)	852.7 TBTU	1,781.5 TBTU
	LOUISIANA OCS GAS ³	928.8 TBTU ⁴ (0.912 TCF)			
COAL:	LIGNITE	41.6 TBTU (3.161 MMSTON)	228.1 TBTU (13.9 MMSTON)	-186.5 TBTU	-186.5 TBTU
NUCLEAR ELECTRIC POWER		177.2 TBTU (16.9 Billion kWh)	177.2 TBTU (16.9 Billion kWh)	0.0 TBTU	0.0 TBTU
HYDROELECTRIC, BIOFUELS & OTHER		126.6 TBTU	126.6 TBTU	0.0 TBTU	0.0 TBTU
NET INTERSTATE PURCHASES OF ELECTRICITY INCLUDING ASSOCIATED LOSSES			78.3 TBTU	-78.3 TBTU	-78.3 TBTU
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TOTALS:	EXCLUDING LOUISIANA OCS	3,126.4 TBTU	3,835.0 TBTU	-708.6 TBTU	
	INCLUDING LOUISIANA OCS	6,368.4 TBTU	3,835.0 TBTU		2,533.4 TBTU

The Louisiana energy balance for 2013 shows that the state consumed 708.6 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 2533.4 TBTUs.

TCF = Trillion Cubic Feet
 TBTU = Trillion BTU's
 MMBBL = Million Barrels

OCS = Outer Continental Shelf (federal waters seaward of the state's 3-mile offshore boundary)
 kWh = 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