

LOUISIANA, AN ENERGY CONSUMING STATE: AN UPDATE USING 2011 DATA

by
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Louisiana ranks high among the states in overall energy consumption. Louisiana remained 4th in total energy consumption in 2011 after jumping from 8th the previous year. Louisiana also remained 3rd in per capita energy consumption for 2011. 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.

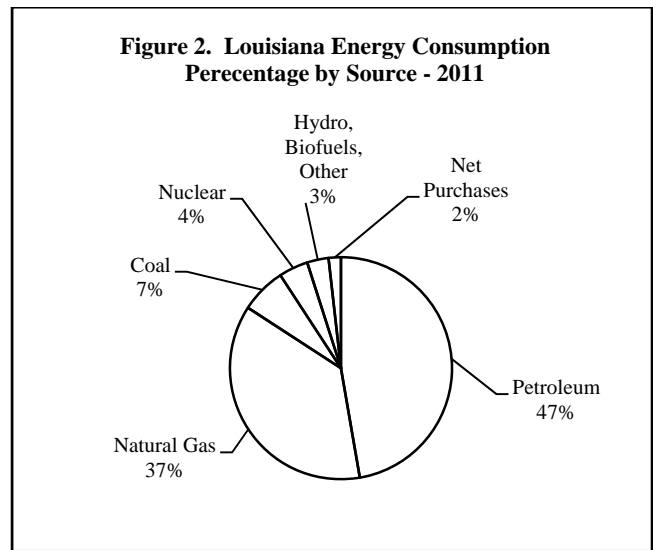
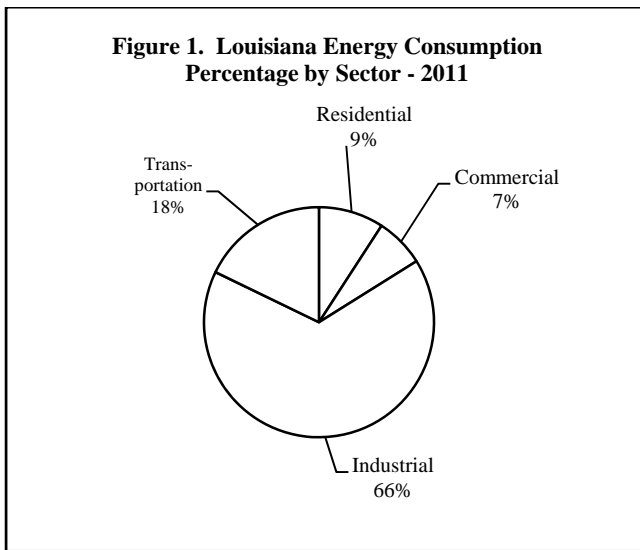


Table 1 shows where Louisiana ranks among the states in various energy consumption categories and lists the top energy consuming state for each category.

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 2011. The energy balance is calculated both inclusive and exclusive of Louisiana's OCS oil and gas production.

Category	Rank	TBTU	#1 State (TBTU)
Residential	24	371.5	Texas (1,745.5)
Commercial	22	281.4	California (1,556.1)
Industrial	2	2,679.7	Texas (6,087.6)
Transportation	10	722.7	California (3,000.5)
Coal	30	270.0	Texas (1,695.2)
Natural Gas	3	1,502.9	Texas (3,756.9)
Petroleum	3	1,925.7	Texas (5,934.3)
Electricity	17	294.7	Texas (1,283.1)
Total	4	4,055.3	Texas (12,206.6)
Per Capita (MBTU)	2	886.5	Wyoming (974.7)

Table 2. Louisiana Energy Balance - 2011 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	409.3 TBTU ⁴ (70.6 MMBBL)	1,908.3 TBTU (359.1 MMBBL)	-1,499.0 TBTU	1,022.3 TBTU
	LOUISIANA OCS OIL ²	2,521.3 TBTU ⁴ (434.7 MMBBL)			
NATURAL GAS:	STATE GAS ³	3,037.4 TBTU ⁴ (2.981 TCF)	1,502.5 TBTU (1.475 TCF)	1,534.9 TBTU	2,888.0 TBTU
	LOUISIANA OCS GAS ³	1,353.1 TBTU ⁴ (1.328 TCF)			
COAL:	LIGNITE	53.0 TBTU (3.865 MMSTON)	270.0 TBTU (16.8 MMSTON)	-217.0 TBTU	-217.0 TBTU
NUCLEAR ELECTRIC POWER		173.9 TBTU (16.6 Billion kWh)	173.9 TBTU (16.6 Billion kWh)	0.0 TBTU	0.0 TBTU
HYDROELECTRIC, BIOFUELS & OTHER		127.1 TBTU	127.1 TBTU	0.0 TBTU	0.0 TBTU
NET INTERSTATE PURCHASES OF ELECTRICITY INCLUDING ASSOCIATED LOSSES			73.6 TBTU	-73.6 TBTU	-73.6 TBTU
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TOTALS:	EXCLUDING LOUISIANA OCS	3,800.7 TBTU	4,055.4 TBTU	-254.7 TBTU	
	INCLUDING LOUISIANA OCS	7,675.1 TBTU	4,055.4 TBTU		3,619.7 TBTU

The Louisiana energy balance for 2011 shows that the state consumed 254.7 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 3,619.7 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