LOUISIANA, AN ENERGY CONSUMING STATE: AN UPDATE USING 2016 DATA

by

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Louisiana ranks high among the states in overall energy consumption. Louisiana ranked third in total energy consumption in 2015 and 2014; it was ranked fourth in 2016. Louisiana was ranked first in per capita energy consumption in 2016 by the EIA. 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 and slow growth in population. 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.

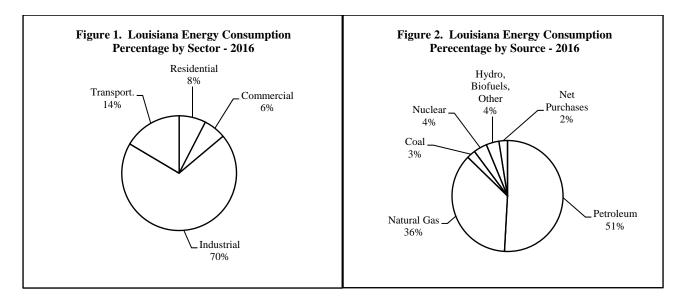


Table 1 shows where Louisiana ranks among the states in various energy consumption categories and lists the top energy consuming state for each category.

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 2016. The energy balance is calculated both inclusive and exclusive of Central Gulf of Mexico federal waters oil and gas production.

Table 1. Louisiana Energy Consumption RankingsAmong the States - 2016							
Category	Rank	TBTU	#1 State (TBTU)				
Residential	26	317	Texas (1663)				
Commercial	24	266	Texas (1608)				
Industrial	2	2929	Texas (6642)				
Transportation	13	693	Texas (3270)				
Coal	31	116	Texas (1142)				
Natural Gas	3	1658	Texas (4111)				
Petroleum	3	2317	Texas (8,043)				
Total	4	4205	Texas (13183)				
Per Capita (MBTU)	1	897	Louisiana(897)				

Table 2. Louisiana Energy Balance - 2016¹

<u>1</u>	ENERGY SOURCE	PRODUCTION	CONSUMPTION	<u>NET STATE ENERG</u> <u>Excluding OCS</u>	Y PRODUCTION Including OCS
PETROLEUM:	STATE OIL ² CENTRAL GOM OCS OIL ²	328.3 TBTU ⁴ (56.6 MMBBL) 3,115.2 TBTU ⁴ (537.1 MMBBL)	2,316.5 TBTU (399.4 MMBBL)	-1,988.2 TBTU	1,126.9 TBTU
NATURAL GAS:	STATE GAS ³ CENTRAL GOM OCS GAS ³	1,759.8 TBTU ⁴ (1.727 TCF) 1,107.7 TBTU ⁴ (1.107 TCF)	1,658.1 TBTU (1.627 TCF)	101.7 TBTU	1,209.4 TBTU
COAL:	LIGNITE POWDER BASIN COAL (Imports)	36.8 TBTU ⁴ (2.798 MMSTON) -79.0 TBTU (10.4 MMSTON)	115.8 TBTU (8.8 MMSTON)	-79.0 TBTU	-79.0 TBTU
NUCLEAR ELECT	RIC POWER	160.0 TBTU (15.3 Billion kWH)	179.4 TBTU (17.2 Billion kWH)	-19.4 TBTU	-19.4 TBTU
HYDROELECTRIC	C, BIOFUELS & OTHER	178.2 TBTU	169.6 TBTU	8.6 TBTU	8.6 TBTU
NET INTERSTATE	E PURCHASES OF ELECTRICITY OCIATED LOSSES		114.0 TBTU	-114.0 TBTU	-114.0 TBTU
TOTALS:	Excluding Central GOM OCS	2,463.1 TBTU	4,553.4 TBTU	-2,090.3 TBTU	
	Including Central GOM OCS	6,685.9 TBTU	4,553.4 TBTU		2,132.5 TBTU

The Louisiana energy balance for 2016 shows that the state consumed 2,090.3more TBTUs of energy than it produced if Central GOM OCS production is not included. If Central GOM OCS production is included, the state is a net producer of energy by 2,132.5TBTUs.

TCF = Trillion Cubic FeetGOM = Gulf of MexicoTBTU = Trillion BTU'skWH = Kilowatt hourMMBBL = Million BarrelsMMSTON = Million Short TonsOCS = Outer Continental Shelf (federal waters seaward of the state's 3-mile offshore boundary)

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