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Louisiana Energy Topic

Department of Natural Resources

Technology Assessment Division

A Supplement to LOUISIANA ENERGY FACTS on Subjects of Special Interest

Louisiana, an Energy Consuming State An Update Using 2000 Data

Louisiana consumed 3,965.2 trillion BTUs (TBTUs) of energy in 2000, up almost 10% from 1999. This ranks Louisiana seventh in total energy consumption and second in per capita energy consumption among the states. Two-thirds of the increase is attributable to petroleum with all other sources, except hydro-electric, making up the remaining third of the increase. Louisiana's high energy consumption is mainly attributable to the transportation and industrial sectors. These two sectors constitute 86% (23% for transportation, 63% for industrial) of Louisiana's energy consumption.

Within the transportation sector, the consumption of motor gasoline is about average for the U.S., accounting for 30% of Louisiana's transportation energy budget. The bulk of Louisiana's transportation energy comes from the transportation of oil and gas. Louisiana ranks ninth in the U.S. in transportation energy consumption.

The industrial sector is, by far, the largest energy consumer in the state. Louisiana's abundant natural resources have historically meant low energy prices which have attracted energy intensive industries to Louisiana such as chemical, petrochemical, and refining. Louisiana ranks third in the nation, behind Texas and California, in industrial energy consumption.

Louisiana's energy production for the year 2000 increased by 0.8% to 2,623.1 TBTUs. Oil production, in decline since the early 80s, decreased by 3.3%, but was more than offset by an increase of 0.75% in natural gas production. These figures do not include the energy contained in the oil and gas produced in the federal OCS area attributable to Louisiana. Louisiana has no direct control over, nor does it receive any direct revenue benefit from, the production of oil and gas from the OCS area. Louisiana does, however, provide the necessary infrastructure to facilitate the exploration, production, and transportation of oil and gas from the OCS. With the energy from oil and gas production in Louisiana's OCS area included (almost one-fifth of the nation's oil and gas supply), Louisiana produced 9,621 TBTUs of energy in 2000, second in the nation after Texas.

On balance, not counting OCS oil and gas production, Louisiana is a net energy consuming state with 1,342.1 more TBTUs consumed than produced, ranking Louisiana 20th in the nation in net energy consumed. The table on the next page provides an energy balance for the state, both with and without Louisiana federal OCS production.

<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*	621.7 TBTU ¹	(107.2 MMBBL)	1680.8 TBTU ²	(333.4 MMBBL)	-1059.1 TBTU	1922.9 TBTU
	LA. OCS OIL*	2982.0 TBTU ³	(514.1 MMBBL)				
NATURAL GAS	STATE GAS **	1638.0 TBTU ¹	(1.465 TCF)	1604.7 TBTU ²	(1.517 TCF)	33.3 TBTU	4049.3 TBTU
	LA. OCS GAS **	4016.0 TBTU ³	(3.591 TCF)				
COAL	LIGNITE	52.9 TBTU ²	(3.622 MMSTON)	253.2 TBTU ²	(15.734 MMSTON)	-200.3 TBTU	-200.3 TBTU
NUCLEAR ELECTRIC POWER		164.7 TBTU ²	(15.796 Billion KWH)	164.7 TBTU ²	(15.796 Billion KWH)	0.0 TBTU	0.0 TBTU
HYDROELECTRIC, BIOFUELS & OTHER		145.8 TBTU ²		145.8 TBTU ²		0.0 TBTU	0.0 TBTU
NET INTERSTATE PURCHASES OF ELECTRICITY INCLUDING ASSOCIATED LOSSES				116.0 TBTU ²	(33.985 Billion KWH)	-116.0 TBTU	-116.0 TBTU
NET STATE ENERGY PRODUCTION FROM ALL SOURCES:						-1,342.1 TBTU	5,655.9 TBTU

This balance indicated that in 2000, Louisiana was a net consumer of energy if OCS production was not credited to the state. Louisiana used 1342.1 TBTU more energy than it produced. In 2000, the total Louisiana energy production was 9621.1 TBTU (2623.1 TBTU if LA OCS is excluded), and consumption was 3965.2 TBTU.

* Includes Condensate

** Includes Gas Plant Liquids

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

Data Sources:

1. Louisiana Department of Natural Resources

2. U.S. Department of Energy, Energy Information Administration