

**Table F-3**  
**Missouri Consumption of Energy by the Industrial Sector: 1960-2016**

	<b>Part I — (trillion BTU)</b>									
	<b>1960</b>	<b>1961</b>	<b>1962</b>	<b>1963</b>	<b>1964</b>	<b>1965</b>	<b>1966</b>	<b>1967</b>	<b>1968</b>	<b>1969</b>
Coal	62.2	54.4	54.2	53.9	56.8	59.9	58.9	55.2	53.7	50.3
Natural Gas <sup>a</sup>	81.7	87.0	91.7	95.1	101.4	116.4	104.5	89.1	95.7	102.8
Total Petroleum	102.9	101.3	100.8	101.9	102.5	110.9	118.0	119.8	127.7	131.2
Distillate Fuel Oil	33.3	32.5	30.3	32.5	30.5	29.7	34.0	33.8	37.8	36.6
LPG <sup>b</sup>	1.8	2.0	2.0	2.8	1.5	1.8	4.3	3.6	5.3	5.9
Motor Gasoline <sup>c</sup>	16.1	15.1	16.8	15.6	14.2	16.9	17.0	15.9	16.5	15.4
Residual Oil	10.2	9.1	7.3	8.3	7.9	10.8	8.9	10.6	10.4	11.5
Other <sup>d</sup>	41.3	42.6	44.4	42.7	48.4	51.8	53.7	56.0	57.8	61.7
Hydroelectric <sup>e,f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood and Waste <sup>f,g</sup>	7.3	7.3	7.9	7.7	8.0	8.7	9.0	8.6	9.4	9.8
Losses & Co-Products <sup>h</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Geothermal <sup>f</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Retail Electrical Sales	13.3	13.6	15.1	16.7	18.4	20.0	27.6	29.0	30.6	32.7
Net Energy <sup>f,i</sup>	267.3	263.6	269.7	275.3	287.0	316.0	317.9	301.8	317.2	326.9
Electrical System Energy Losses <sup>j</sup>	32.8	33.1	36.2	40.0	43.6	47.8	66.1	69.4	73.1	77.9
<b>Total<sup>f,i</sup></b>	<b>300.1</b>	<b>296.8</b>	<b>306.0</b>	<b>315.4</b>	<b>330.6</b>	<b>363.8</b>	<b>384.0</b>	<b>371.1</b>	<b>390.2</b>	<b>404.8</b>
	<b>1970</b>	<b>1971</b>	<b>1972</b>	<b>1973</b>	<b>1974</b>	<b>1975</b>	<b>1976</b>	<b>1977</b>	<b>1978</b>	<b>1979</b>
Coal	43.8	39.7	47.9	42.3	42.6	45.7	49.0	48.5	40.3	41.1
Natural Gas <sup>a</sup>	110.4	109.2	100.3	118.0	110.7	90.7	91.4	89.5	70.0	62.7
Total Petroleum	123.7	121.6	125.5	142.0	130.6	124.6	130.3	137.1	146.2	149.5
Distillate Fuel Oil	33.1	31.4	35.6	35.8	32.4	33.6	36.4	37.0	42.7	45.3
LPG <sup>b</sup>	4.4	4.3	4.4	5.0	5.7	6.2	8.0	8.4	9.3	18.8
Motor Gasoline <sup>c</sup>	14.5	14.4	13.3	18.5	14.3	14.2	12.9	12.2	11.2	9.9
Residual Oil	10.2	8.2	7.6	9.4	8.0	7.8	8.4	9.7	8.7	9.7
Other <sup>d</sup>	61.4	63.3	64.7	73.3	70.1	62.7	64.7	69.9	74.3	65.8
Hydroelectric <sup>e,f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood and Waste <sup>f,g</sup>	9.9	10.5	10.7	11.6	14.0	12.7	14.8	13.2	16.4	16.5
Losses & Co-Products <sup>h</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Geothermal <sup>f</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Retail Electrical Sales	33.9	34.7	35.9	37.4	38.5	40.2	32.9	35.1	38.8	39.7
Net Energy <sup>f,i</sup>	321.6	315.6	320.4	351.2	336.4	313.9	318.4	323.4	311.6	309.4
Electrical System Energy Losses <sup>j</sup>	82.0	83.7	85.8	88.7	93.1	96.4	78.8	83.8	94.0	94.7
<b>Total<sup>f,i</sup></b>	<b>403.6</b>	<b>399.3</b>	<b>406.2</b>	<b>439.8</b>	<b>429.5</b>	<b>410.4</b>	<b>397.2</b>	<b>407.2</b>	<b>405.7</b>	<b>404.0</b>

**Table F-3(continued)**  
**Missouri Consumption of Energy by the Industrial Sector: 1960-2016**

	<b>Part I — (trillion BTU)</b>									
	<b>1980</b>	<b>1981</b>	<b>1982</b>	<b>1983</b>	<b>1984</b>	<b>1985</b>	<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>
Coal	36.0	38.5	32.7	34.2	38.9	41.2	39.0	34.9	35.6	33.0
Natural Gas <sup>a</sup>	79.3	74.4	65.7	60.9	60.5	66.8	55.1	54.9	54.6	54.4
Total Petroleum	110.6	101.8	102.1	75.7	86.3	89.5	79.7	87.8	101.0	91.2
Distillate Fuel Oil	27.9	30.3	35.0	17.1	21.0	24.2	16.8	20.2	23.1	21.9
LPG <sup>b</sup>	11.6	6.4	11.2	7.5	5.9	4.7	4.1	4.6	6.9	8.4
Motor Gasoline <sup>c</sup>	9.8	7.8	6.3	4.8	6.0	5.7	5.0	5.0	4.7	4.1
Residual Oil	4.4	3.9	3.5	1.7	1.2	3.5	2.4	3.4	3.3	2.6
Other <sup>d</sup>	57.0	53.5	46.1	44.5	52.2	51.5	51.4	54.6	63.1	54.1
Hydroelectric <sup>e,f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood and Waste <sup>f,g</sup>	6.4	6.8	6.5	7.4	7.5	7.5	6.8	7.1	7.6	3.7
Losses & Co-Products <sup>h</sup>	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal <sup>f</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0
Retail Electrical Sales	37.6	47.4	42.4	44.0	42.1	43.1	43.4	42.8	42.8	43.6
Net Energy <sup>f,i</sup>	269.9	268.9	249.0	222.0	235.2	248.0	224.1	227.6	241.6	225.4
Electrical System Energy Losses <sup>j</sup>	90.3	110.9	100.4	103.6	96.0	98.7	97.4	94.8	94.9	100.8
<b>Total<sup>f,i</sup></b>	<b>360.2</b>	<b>379.8</b>	<b>349.4</b>	<b>325.6</b>	<b>331.2</b>	<b>346.7</b>	<b>321.5</b>	<b>322.4</b>	<b>336.5</b>	<b>326.2</b>
	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
Coal	30.4	28.7	26.6	27.8	24.6	25.5	25.9	32.0	27.9	27.6
Natural Gas <sup>a</sup>	55.1	57.7	58.6	61.2	70.9	69.4	72.0	71.6	65.0	65.2
Total Petroleum	86.7	74.2	78.3	83.2	94.6	95.5	96.2	82.9	86.8	112.8
Distillate Fuel Oil	20.4	17.1	18.8	16.4	18.5	17.6	18.5	20.7	22.0	28.4
LPG <sup>b</sup>	6.5	7.3	6.6	9.2	8.7	14.6	12.9	9.7	7.5	16.2
Motor Gasoline <sup>c</sup>	3.5	4.0	3.5	7.7	8.5	8.7	8.7	8.8	5.4	4.8
Residual Oil	3.3	3.0	3.9	6.3	2.9	2.0	1.9	1.1	1.1	0.7
Other <sup>d</sup>	53.1	42.8	45.4	43.6	56.1	52.5	54.0	42.5	50.7	62.8
Hydroelectric <sup>e,f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood and Waste <sup>f,g</sup>	3.1	3.1	2.9	2.9	2.5	2.7	2.8	2.6	2.5	2.6
Losses & Co-Products <sup>h</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal <sup>f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Retail Electrical Sales	44.1	44.7	45.9	46.5	48.1	48.9	50.9	52.1	53.9	55.0
Net Energy <sup>f,i</sup>	219.5	208.5	212.3	221.6	240.8	241.9	247.5	240.9	236.1	263.2
Electrical System Energy Losses <sup>j</sup>	100.6	103.2	106.3	110.8	111.3	114.2	118.1	121.0	125.8	130.3
<b>Total<sup>f,i</sup></b>	<b>320.2</b>	<b>311.7</b>	<b>318.5</b>	<b>332.4</b>	<b>352.1</b>	<b>356.1</b>	<b>365.6</b>	<b>361.9</b>	<b>361.9</b>	<b>393.5</b>

**Table F-3**  
**Missouri Consumption of Energy by the Industrial Sector: 1960-2016**  
**Part I — (trillion BTU)**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Coal	21.8	23.3	23.0	23.1	24.4	24.0	24.2	24.4	22.4	17.7
Natural Gas <sup>a</sup>	69.5	68.3	67.8	62.4	65.8	67.7	67.0	69.2	67.2	63.8
Total Petroleum	89.1	110.3	115.3	117.7	145.9	137.6	133.1	123.6	95.3	79.7
Distillate Fuel Oil	21.2	24.0	27.0	28.5	33.6	30.8	30.2	33.8	29.3	23.9
LPG <sup>b</sup>	13.1	7.3	16.5	16.1	19.7	18.7	12.9	17.0	<sup>R</sup> 5.7	9.5
Motor Gasoline <sup>c</sup>	4.7	9.1	9.6	10.1	11.8	11.2	11.7	6.3	4.9	5.4
Residual Oil	0.5	0.7	0.4	0.5	0.8	0.5	0.3	0.2	0.3	0.2
Other <sup>d</sup>	49.6	69.2	61.8	62.4	80.0	76.3	77.9	66.4	57.1	44.8
Hydroelectric <sup>e,f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood and Waste <sup>f,g</sup>	2.2	6.8	5.3	5.3	5.6	5.7	4.6	4.8	4.7	4.3
Losses & Co-Products <sup>h</sup>	0.6	1.5	2.0	3.3	3.5	5.6	6.9	9.3	12.7	14.7
Geothermal <sup>f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Retail Electrical Sales	54.9	54.0	52.3	50.6	48.8	57.6	62.5	63.2	60.9	51.4
Net Energy <sup>f,i</sup>	237.8	264.1	265.8	262.1	293.7	298.1	298.2	294.5	262.9	231.3
Electrical System Energy Losses <sup>j</sup>	127.8	121.4	116.6	112.0	109.1	129.2	139.0	140.5	136.2	113.5
<b>Total<sup>f,i</sup></b>	<b>365.6</b>	<b>385.5</b>	<b>382.4</b>	<b>374.1</b>	<b>402.8</b>	<b>427.3</b>	<b>437.2</b>	<b>435.0</b>	<b>399.0</b>	<b>344.4</b>
	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>			
Coal	17.4	12.4	22.8	24.1	24.3	21.2	16.0			
Natural Gas <sup>a</sup>	65.9	63.6	63.0	64.1	68.0	66.3	65.1			
Total Petroleum	<sup>R</sup> 72.7	<sup>R</sup> 69.1	<sup>R</sup> 64.3	<sup>R</sup> 60.8	<sup>R</sup> 64.4	<sup>R</sup> 71.5	70.1			
Distillate Fuel Oil	24.3	21.8	21.5	21.4	23.8	25.9	29.5			
LPG <sup>b</sup>	5.5	5.2	4.9	4.6	4.8	3.8	N/A			
Motor Gasoline <sup>c</sup>	5.1	4.9	2.8	2.9	2.0	4.8	4.7			
Residual Oil	0.1	0.1	(s)	(s)	(s)	(s)	0.1			
Other <sup>d</sup>	<sup>R</sup> 36.4	<sup>R</sup> 35.6	<sup>R</sup> 33.4	<sup>R</sup> 30.0	<sup>R</sup> 31.3	<sup>R</sup> 35.2	31.2			
Hydroelectric <sup>e,f</sup>	0.0	0.0	0.0	0	0	0	0.0			
Wood and Waste <sup>f,g</sup>	<sup>R</sup> 6.2	<sup>R</sup> 2.3	<sup>R</sup> 2.2	<sup>R</sup> 2.2	<sup>R</sup> 2.1	<sup>R</sup> 2.1	2.1			
Losses & Co-Products <sup>h</sup>	14.9	14.2	13.3	13.5	14.1	13.7	13.5			
Geothermal <sup>f</sup>	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Retail Electrical Sales	59.1	59.1	60.0	59.9	59.4	58.1	46.1			
Net Energy <sup>f,i</sup>	<sup>R</sup> 236.4	<sup>R</sup> 220.9	<sup>R</sup> 225.6	<sup>R</sup> 224.6	<sup>R</sup> 232.2	<sup>R</sup> 232.9	213.0			
Electrical System Energy Losses <sup>j</sup>	130.7	130.2	130.3	130.7	132.5	126.7	100.4			
<b>Total<sup>f,i</sup></b>	<b><sup>R</sup>367.0</b>	<b><sup>R</sup>351.1</b>	<b><sup>R</sup>355.9</b>	<b><sup>R</sup>355.2</b>	<b><sup>R</sup>364.7</b>	<b><sup>R</sup>359.5</b>	<b>313.4</b>			

**Table F-3(continued)**  
**Missouri Consumption of Energy by the Industrial Sector: 1960-2016**  
**Part I — (trillion BTU)**

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> Liquefied petroleum gases.

<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.

<sup>d</sup> Includes asphalt and road oil, kerosene, lubricants, and 16 other petroleum products

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste

<sup>h</sup> Losses and co-products from the production of fuel ethanol.

<sup>i</sup> From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

<sup>j</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

N/A = Not available.

R = Revised data

Notes: Totals may not equal sum of components due to independent rounding.

The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies.