Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2014, Michigan

Year	Coal	Natural Gas [a]	Petroleum							Nuclear Electric Power	Hydro-electric Power [f]	Fuel Ethanol [g]
			Distillate Fuel Oil	Jet Fuel [b]	LPG [c]	Motor Gasoline [d]	Residual Fuel Oil	Other [e]	Total			
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million Kilowatthours		Thousand Barrels
1960	25,930	370	30,235	3,369	2,827	65,782	11,840	14,867	128,920	0	2,030	NA
1965	33,132	556	30,287	4,377	3,716	78,044	8,594	19,635	144,653	181	1,813	NA
1970	34,065	809	38,141	7,365	6,202	96,831	10,056	16,357	174,952	375	1,704	NA
1971	34,556	851	41,724	7,195	6,755	99,540	11,173	15,051	181,438	388	1,776	NA
1972	34,666	865	47,365	6,905	7,993	105,198	13,078	15,855	196,393	2,125	1,793	NA
1973	32,632	920	46,932	6,959	8,092	110,100	15,822	16,879	204,784	2,980	1,054	NA
1974	29,804	936	43,673	6,460	7,845	107,057	16,692	15,629	197,356	416	1,182	NA
1975	31,198	884	42,170	5,776	7,475	108,255	18,291	14,433	196,401	7,176	1,110	NA
1976	29,763	888	44,130	5,735	8,748	113,506	21,102	15,547	208,766	9,901	1,050	NA
1977	28,926	741	44,829	6,290	8,793	114,812	22,126	16,669	213,518	10,231	931	NA
1978	28,519	790	45,149	6,499	9,051	117,526	25,452	17,534	221,211	13,104	1,085	NA
1979	31,570	876	31,268	6,639	7,515	108,261	19,046	17,226	189,955	15,139	1,306	NA
1980	31,110	865	27,643	6,646	6,736	97,025	13,289	15,192	166,531	15,891	1,200	NA
1981	31,610	801	26,630	6,131	5,572	92,783	7,825	11,720	150,661	17,066	1,240	184
1982	29,280	748	22,943	5,706	7,107	88,179	4,891	9,969	138,795	15,003	1,211	491
1983	29,647	696	22,176	5,892	7,150	88,646	4,464	10,797	139,125	16,383	1,229	1,316
1984	31,412	718	24,913	5,983	7,523	92,952	3,116	11,298	145,785	14,078	1,071	1,295
1985	32,793	709	26,024	6,570	14,225	93,447	3,109	10,387	153,761	13,452	997	1,032
1986	33,999	671	26,989	7,129	15,690	96,015	3,761	10,886	160,470	12,257	721	830
1987	35,865	657	26,614	8,371	17,656	99,154	3,316	11,802	166,913	14,389	481	1,176
1988	35,332	749	28,392	8,585	17,302	102,367	4,793	11,118	172,559	17,808	600	1,214
1989	34,885	777	26,202	9,235	19,053	101,143	4,497	12,757	172,888	21,312	749	1,164
1990	34,817	879	24,357	10,057	14,901	99,913	2,728	12,598	164,553	21,611	1,628	1,205
1991	34,086	888	24,820	10,234	16,017	101,375	1,745	11,413	165,604	27,021	1,752	1,582
1992	31,781	960	24,830	10,125	16,666	101,370	1,696	11,637	166,325	18,849	1,782	1,367
1993	32,445	919	28,123	10,305	13,077	105,003	2,081	12,647	171,235	28,525	1,762	1,609
1994	35,902	912	27,536	10,281	14,287	105,744	2,172	12,125	172,145	14,144	1,660	1,859
1995	36,037	976	27,444	8,818	14,497	110,546	1,602	13,400	176,308	24,448	1,597	1,219
1996	36,958	1,027	28,754	9,045	18,306	110,520	1,777	12,651	181,052	26,829	1,784	514
1997	36,116	994	29,692	9,487	14,524	112,389	1,553	16,765	184,411	21,914	1,712	654
1998	38,255	876	29,895	9,033	13,108	114,913	2,113	16,007	185,069	12,494	1,397	845
1999	38,510	951	31,573	9,116	15,339	121,027	2,491	16,161	195,707	14,591	1,458	956
2000	37,294	963	30,824	7,214	16,308	118,160	2,358	14,351	189,214	18,882	1,428	2,267
2001	37,730	906	29,515	6,219	18,876	119,472	1,590	12,139	187,811	26,711	1,562	1,394
2002	36,413	966	28,994	6,016	21,039	121,745	1,992	12,019	191,806	31,087	1,669	2,953
2003	36,973	925	30,344	2,695	20,578	119,019	2,153	12,800	187,589	27,954	1,386	3,706
2004	38,503	917	31,139	3,733	20,826	118,967	2,098	13,051	189,815	30,562	1,540	3,838
2005	39,442	914	30,315	3,431	23,157	119,584	2,209	12,715	191,411	32,872	1,462	5,091
2006	38,067	803	29,929	4,124	15,036	118,106	1,201	11,595	179,992	29,066	1,520	5,358
2007	39,669	798	29,371	5,270	16,217	116,059	1,783	12,056	180,757	31,517	1,270	6,573
2008	39,870	780	26,713	4,641	12,506	111,410	1,471	9,975	166,715	31,484	1,364	9,010
2009	37,425	735	25,622	4,270	11,829	109,703	615	R 9,839	R 161,879	21,851	1,372	10,205
2010	37,775	747	26,443	3,663	10,956	108,436	593	R 9,994	R 160,084	29,625	1,251	9,745
2011	35,134	776	26,691	3,213	R 10,540	105,871	688	R 9,176	R 156,180	32,889	1,357	9,969
2012	32,050	791	25,676	3,628	9,373	105,052	511	R 9,424	R 153,665	28,020	1,215	10,609
2013	34,315	815	28,591	3,889	12,390	R 109,078	406	R 11,121	R 165,475	28,921	1,419	R 11,216
2014	31,944	861	29,042	3,981	12,116	109,448	274	13,071	167,932	31,246	1,600	11,108

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases, includes ethane and olefins.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] Includes denaturant. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2014, Michigan

(Trillion Btu)

Year	Fossil Fuels										*Fossil Fuels (as commingled)*	
			Petroleum									
	Coal	Natural Gas excluding Supplemental Gaseous Fuels [a]	Distillate Fuel Oil	Jet Fuel [b]	LPG [c]	Motor Gasoline excluding Fuel Ethanol [a]	Residual Fuel Oil	Other [d]	Total	Total	*Natural Gas including Supplemental Gaseous Fuels* [a]	*Motor Gasoline including Fuel Ethanol* [a]
1960	653.1	383.0	176.1	18.2	11.0	345.6	74.4	88.2	713.5	1,749.7	*383.0*	*345.6*
1965	830.2	563.6	176.4	24.0	14.5	410.0	54.0	113.1	792.0	2,185.7	*563.6*	*410.0*
1970	828.9	821.3	222.2	41.0	23.7	508.7	63.2	97.2	955.9	2,606.1	*821.3*	*508.7*
1971	837.6	863.3	243.0	40.0	25.8	522.9	70.2	90.1	992.0	2,693.0	*863.3*	*522.9*
1972	843.7	877.7	275.9	38.4	30.5	552.6	82.2	95.3	1,074.9	2,796.3	*877.7*	*552.6*
1973	791.3	929.6	273.4	38.8	30.9	578.4	99.5	102.0	1,122.8	2,843.7	*929.6*	*578.4*
1974	710.0	942.6	254.4	35.9	29.9	562.4	104.9	94.6	1,082.1	2,734.7	*942.6*	*562.4*
1975	751.0	894.8	245.6	32.1	28.4	568.7	115.0	86.9	1,076.7	2,722.5	*894.8*	*568.7*
1976	717.7	895.1	257.1	31.9	33.2	596.2	132.7	92.6	1,143.7	2,756.5	*895.1*	*596.2*
1977	693.0	745.7	261.1	35.0	33.2	603.1	139.1	99.7	1,171.2	2,610.0	*745.7*	*603.1*
1978	671.3	793.9	263.0	36.3	34.0	617.4	160.0	104.7	1,215.5	2,680.6	*793.9*	*617.4*
1979	758.9	880.4	182.1	37.1	28.2	568.7	119.7	102.8	1,038.7	2,678.0	*880.4*	*568.7*
1980	759.0	874.7	161.0	37.1	25.3	509.7	83.6	90.2	906.9	2,540.6	*874.7*	*509.7*
1981	757.5	811.4	155.1	34.3	20.9	487.4	49.2	71.1	818.0	2,386.9	*814.5*	*487.4*
1982	711.4	762.1	133.6	31.8	26.4	463.2	30.7	60.2	746.1	2,219.6	*764.6*	*463.2*
1983	706.6	710.1	129.2	32.9	26.8	465.7	28.1	64.9	747.5	2,164.2	*713.2*	*465.7*
1984	747.6	727.5	145.1	33.4	28.3	488.3	19.6	67.7	782.4	2,257.5	*730.3*	*488.3*
1985	781.9	717.0	151.6	36.7	52.0	490.9	19.5	62.7	813.5	2,312.4	*719.9*	*490.9*
1986	811.9	686.6	157.2	39.9	57.9	504.4	23.6	66.2	849.2	2,347.8	*689.4*	*504.4*
1987	840.2	668.7	155.0	46.9	65.5	520.9	20.8	71.5	880.6	2,389.5	*671.2*	*520.9*
1988	830.9	763.3	165.4	48.1	64.2	537.7	30.1	67.2	912.8	2,506.9	*765.7*	*537.7*
1989	790.2	797.3	152.6	51.8	71.1	531.3	28.3	77.6	912.7	2,500.2	*799.8*	*531.3*
1990	788.0	879.3	141.9	56.6	55.3	524.8	17.2	76.8	872.6	2,539.9	*898.8*	*524.8*
1991	764.1	890.0	144.6	57.5	59.4	532.5	11.0	69.8	874.7	2,528.8	*905.3*	*532.5*
1992	707.5	964.2	144.6	57.0	61.9	532.5	10.7	71.0	877.7	2,549.3	*979.2*	*532.5*
1993	715.5	924.9	163.8	58.1	49.2	543.8	13.1	77.7	905.7	2,546.1	*938.0*	*549.4*
1994	801.0	917.0	160.3	58.2	53.7	546.7	13.7	74.1	906.5	2,624.5	*931.0*	*553.1*
1995	786.7	971.0	159.7	50.0	54.3	572.6	10.1	82.7	929.5	2,687.1	*992.7*	*576.8*
1996	796.3	1,017.1	167.3	51.3	68.7	574.9	11.2	77.3	950.7	2,764.1	*1,039.2*	*576.7*
1997	781.1	987.6	172.8	53.8	55.1	583.8	9.8	104.6	979.9	2,748.6	*1,010.2*	*586.1*
1998	826.9	871.6	174.0	51.2	50.0	596.3	13.3	99.0	983.8	2,682.2	*894.0*	*599.3*
1999	832.6	947.0	183.7	51.7	58.2	627.6	15.7	99.5	1,036.4	2,816.0	*968.3*	*630.9*
2000	799.8	971.7	179.4	40.9	61.7	608.2	14.8	88.7	993.7	2,765.1	*984.3*	*616.1*
2001	789.7	924.5	171.7	35.3	71.7	618.1	10.0	75.7	982.5	2,696.7	*928.7*	*622.9*
2002	739.9	984.7	168.7	34.1	79.7	624.2	12.5	74.5	993.8	2,718.4	*984.7*	*634.4*
2003	747.9	950.7	176.6	15.3	78.1	606.4	13.5	79.5	969.4	2,668.0	*950.7*	*619.3*
2004	773.8	938.6	181.2	21.2	78.4	605.4	13.2	81.4	980.8	2,693.3	*938.6*	*618.7*
2005	799.5	927.5	176.4	19.5	87.1	603.9	13.9	79.6	980.3	2,707.3	*927.5*	*621.6*
2006	773.6	817.0	173.7	23.4	56.4	594.5	7.6	72.3	927.8	2,518.4	*817.0*	*613.1*
2007	801.2	814.9	169.9	29.9	60.9	575.5	11.2	74.4	921.8	2,537.9	*814.9*	*598.3*
2008	800.0	797.5	154.4	26.3	47.6	539.8	9.2	61.2	838.7	2,436.2	*797.5*	*571.1*
2009	735.9	750.8	148.1	24.2	45.0	524.3	3.9	R 60.9	R 806.4	R 2,293.0	*750.8*	*559.6*
2010	749.3	758.7	152.8	20.8	41.7	516.9	3.7	R 61.6	R 797.5	R 2,305.5	*758.7*	*550.6*
2011	691.1	787.3	154.2	18.2	R 40.1	502.0	4.3	R 56.4	R 775.2	R 2,253.6	*787.3*	*536.6*
2012	621.6	804.1	148.3	20.6	35.6	495.1	3.2	R 58.0	R 760.6	R 2,186.4	*804.1*	*531.9*
2013	658.2	R 828.5	165.1	22.1	47.1	R 513.2	2.6	R 67.4	R 817.5	R 2,304.1	R *828.5*	R *552.2*
2014	618.5	878.7	167.7	22.6	46.0	515.2	1.7	78.9	832.2	2,329.4	*878.7*	*553.8*

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases, includes ethane and olefins.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

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

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2014, Michigan (Continued)

(Trillion Btu)

Year	Nuclear Electric Power	Renewable Energy									Net Interstate Flow of Electricity [j]	Net Electricity Imports [k]	Total
		Hydro-electric Power [e]	Biomass				Geo-thermal	Solar/PV [i]	Wind	Total			
			Wood and Waste [f]	Fuel Ethanol [g]	Losses and Co-products [h]	Total							
1960	0.0	21.8	37.3	NA	NA	37.3	0.0	NA	NA	59.1	38.8	4.3	1,851.8
1965	2.1	19.0	36.9	NA	NA	36.9	0.0	NA	NA	55.9	36.3	-1.4	2,278.6
1970	4.1	17.9	36.4	NA	NA	36.4	0.0	NA	NA	54.3	39.4	-1.4	2,702.6
1971	4.2	18.6	35.3	NA	NA	35.3	0.0	NA	NA	54.0	45.3	1.8	2,798.2
1972	22.9	18.6	37.6	NA	NA	37.6	0.0	NA	NA	56.2	86.4	8.5	2,970.4
1973	32.5	10.9	36.3	NA	NA	36.3	0.0	NA	NA	47.2	124.9	12.2	3,060.5
1974	4.6	12.3	38.2	NA	NA	38.2	0.0	NA	NA	50.6	114.1	12.4	2,916.4
1975	79.0	11.6	35.9	NA	NA	35.9	0.0	NA	NA	47.5	15.8	1.1	2,865.8
1976	109.4	10.9	41.6	NA	NA	41.6	0.0	NA	NA	52.5	56.3	9.5	2,984.2
1977	110.2	9.7	45.0	NA	NA	45.0	0.0	NA	NA	54.7	77.7	20.9	2,873.4
1978	143.4	11.2	55.0	NA	NA	55.0	0.0	NA	NA	66.3	29.4	23.0	2,942.7
1979	164.7	13.5	60.4	NA	NA	60.4	0.0	NA	NA	73.9	7.2	(s)	2,923.8
1980	173.3	12.5	90.6	NA	NA	90.6	0.0	NA	NA	103.0	-11.7	19.4	2,824.7
1981	188.2	13.0	95.3	0.6	0.0	95.9	0.0	NA	NA	108.9	-25.9	15.2	2,673.2
1982	166.1	12.7	94.8	1.7	0.0	96.5	0.0	NA	NA	109.1	23.3	7.3	2,525.4
1983	178.7	12.9	104.8	4.6	0.0	109.4	0.0	NA	0.0	122.3	52.1	4.3	2,521.7
1984	152.7	11.2	99.1	4.5	0.0	103.6	0.0	0.0	0.0	114.8	70.6	1.9	2,597.4
1985	142.9	10.4	100.2	3.6	0.0	103.8	0.0	0.0	0.0	114.2	64.7	1.3	2,635.5
1986	129.7	7.5	105.6	2.9	0.0	108.5	0.0	0.0	0.0	116.0	57.1	2.3	2,652.9
1987	150.3	5.0	107.1	4.1	0.0	111.1	0.0	0.0	0.0	116.2	-18.1	2.6	2,640.5
1988	188.8	6.2	112.2	4.2	0.0	116.4	0.0	0.0	0.0	122.6	-5.9	0.6	2,812.9
1989	225.5	7.8	103.3	4.0	0.0	107.3	0.5	0.2	0.0	115.9	23.4	-18.5	2,846.5
1990	228.7	16.9	80.2	4.2	0.0	84.4	0.6	0.2	0.0	102.2	40.6	-37.3	2,874.1
1991	283.3	18.3	86.2	5.5	0.0	91.7	0.6	0.2	0.0	110.9	-114.0	-1.5	2,807.4
1992	197.4	18.4	89.1	4.7	0.0	93.9	0.7	0.2	0.0	113.2	-3.4	-0.8	2,855.8
1993	299.6	18.2	81.4	5.6	0.0	86.9	0.7	0.2	0.0	106.1	-106.9	8.2	2,853.0
1994	147.8	17.1	84.3	6.4	0.0	90.8	0.8	0.3	0.0	108.9	-31.0	23.6	2,873.8
1995	256.9	16.5	88.2	4.2	0.0	92.4	0.8	0.3	0.0	110.0	-74.1	19.7	2,999.5
1996	281.8	18.4	102.9	1.8	0.0	104.6	0.9	0.3	0.0	124.2	-76.6	6.5	3,100.0
1997	230.0	17.5	95.0	2.3	0.0	97.3	1.0	0.3	0.0	116.0	1.0	4.7	3,100.3
1998	131.1	14.2	90.4	2.9	0.0	93.3	1.0	0.3	0.0	108.9	121.1	-5.2	3,038.1
1999	152.5	14.9	91.6	3.3	0.0	94.9	1.2	0.3	0.0	111.3	123.9	-0.7	3,203.0
2000	196.9	14.6	94.6	7.9	0.0	102.4	1.2	0.2	0.0	118.4	122.5	-1.1	3,201.9
2001	278.9	16.1	76.6	4.8	0.0	81.4	1.2	0.2	(s)	99.0	17.0	-7.2	3,084.5
2002	324.6	17.0	70.7	10.2	0.0	80.9	1.4	0.2	(s)	99.5	5.6	-7.6	3,140.4
2003	291.3	14.0	81.1	12.9	2.6	96.6	1.8	0.2	(s)	112.6	119.8	-12.2	3,179.6
2004	318.7	15.4	84.3	13.3	2.9	100.5	1.9	0.3	(s)	118.1	24.6	-10.9	3,143.7
2005	343.0	14.6	93.1	17.7	2.7	113.5	2.2	0.3	(s)	130.7	24.1	-9.3	3,195.8
2006	303.3	15.1	88.2	18.6	4.5	111.2	2.6	0.4	(s)	129.3	83.0	-7.2	3,026.8
2007	330.6	12.6	90.3	22.8	10.5	123.6	3.0	0.5	(s)	139.7	19.8	-4.1	3,023.8
2008	329.1	13.4	94.8	31.2	12.6	138.7	3.5	0.5	1.4	157.6	-13.5	7.9	2,917.2
2009	228.5	13.4	80.5	35.3	11.8	127.7	4.3	0.6	2.9	148.9	2.1	19.2	R 2,691.9
2010	309.6	12.2	80.9	33.8	14.7	129.4	4.9	0.7	3.5	R 150.8	-24.5	12.2	R 2,753.5
2011	344.2	13.2	R 91.0	34.6	14.9	R 140.5	5.1	R 1.0	4.4	R 164.1	9.4	13.9	R 2,785.2
2012	293.6	11.6	R 90.0	36.8	14.0	R 140.7	5.2	1.2	10.8	R 169.4	23.9	14.6	R 2,687.9
2013	302.2	13.5	R 94.6	R 38.9	14.6	R 148.1	5.2	R 1.3	26.7	R 194.8	11.5	R 19.9	R 2,832.4
2014	326.8	15.2	96.7	38.6	14.9	150.1	5.2	1.3	36.8	208.6	-3.2	19.9	2,881.5

[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[g] Excludes denaturant. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

[h] Losses and co-products from the production of fuel ethanol.

[i] Solar thermal and photovoltaic energy.

[j] Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during the year. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

[k] Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

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

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2014, Michigan

Year	Coal	Natural Gas [a]	Petroleum							Hydro-electric Power [f,g]	Biomass		Geo-thermal [g]	Solar Thermal/ Photo-voltaic [g]	Retail Electricity Sales	Net Energy [g,j]	Electrical System Energy Losses [k]	Total [g,j]
			Distillate Fuel Oil	Jet Fuel [b]	LPG [c]	Motor Gasoline [d]	Residual Fuel Oil	Other [e]	Total		Wood and Waste [g,h]	Losses and Co-products [i]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million Kilowatt-hours					Million Kilowatt-hours			
1960	15,631	365	30,158	3,369	2,827	65,782	11,477	14,867	128,481	212	– –	– –	– –	– –	27,599	– –	– –	– –
1965	17,009	553	30,219	4,377	3,716	78,044	8,278	19,635	144,269	146	– –	– –	– –	– –	39,784	– –	– –	– –
1970	13,942	745	37,176	7,365	6,202	96,831	5,543	16,357	169,473	123	– –	– –	– –	– –	55,292	– –	– –	– –
1975	10,284	827	40,708	5,700	7,475	108,255	4,156	14,433	180,727	121	– –	– –	– –	– –	64,348	– –	– –	– –
1980	8,960	839	26,864	6,646	6,736	97,025	3,669	15,192	156,130	117	– –	– –	– –	– –	69,681	– –	– –	– –
1985	6,898	699	25,378	6,570	14,225	93,447	2,587	10,387	152,593	117	– –	– –	– –	– –	74,427	– –	– –	– –
1990	4,987	794	24,016	10,057	14,901	99,913	1,579	12,598	163,063	23	– –	– –	– –	– –	82,367	– –	– –	– –
1995	4,637	853	27,034	8,818	14,497	110,546	500	13,400	174,796	27	– –	– –	– –	– –	94,701	– –	– –	– –
2000	4,018	828	30,450	7,214	16,308	118,160	675	14,343	187,148	27	– –	– –	– –	– –	104,772	– –	– –	– –
2001	3,802	773	29,145	6,219	18,876	119,472	440	12,137	186,290	26	– –	– –	– –	– –	102,409	– –	– –	– –
2002	3,047	820	28,460	6,016	21,039	121,745	455	11,946	189,661	29	– –	– –	– –	– –	104,714	– –	– –	– –
2003	2,872	822	29,859	2,695	20,578	119,019	1,001	12,740	185,892	75	– –	– –	– –	– –	108,877	– –	– –	– –
2004	3,191	783	30,746	3,733	20,826	118,967	987	13,034	188,293	30	– –	– –	– –	– –	106,606	– –	– –	– –
2005	3,170	783	29,943	3,431	23,157	119,584	1,110	12,545	189,770	29	– –	– –	– –	– –	110,445	– –	– –	– –
2006	3,141	694	29,627	4,124	15,036	118,106	970	11,377	179,240	32	– –	– –	– –	– –	108,018	– –	– –	– –
2007	3,095	674	29,076	5,270	16,217	116,059	1,255	11,804	179,681	26	– –	– –	– –	– –	109,297	– –	– –	– –
2008	3,394	686	26,426	4,641	12,506	111,410	1,256	9,739	165,978	26	– –	– –	– –	– –	105,781	– –	– –	– –
2009	2,095	652	25,366	4,270	11,829	109,703	488	R 9,605	R 161,260	25	– –	– –	– –	– –	98,121	– –	– –	– –
2010	2,799	634	26,187	3,663	10,956	108,436	476	R 9,774	R 159,491	28	– –	– –	– –	– –	103,649	– –	– –	– –
2011	2,799	664	26,371	3,213	R 10,540	105,871	644	R 9,011	R 155,650	29	– –	– –	– –	– –	105,054	– –	– –	– –
2012	2,381	609	25,453	3,628	9,373	105,052	461	R 9,247	R 153,214	26	– –	– –	– –	– –	104,818	– –	– –	– –
2013	2,662	704	28,368	3,889	12,390	R 109,078	378	R 10,496	R 164,600	29	– –	– –	– –	– –	103,038	– –	– –	– –
2014	2,543	749	28,781	3,981	12,116	109,448	258	11,209	165,792	29	– –	– –	– –	– –	103,314	– –	– –	– –
			Trillion Btu															
1960	396.8	377.6	175.7	18.2	11.0	345.6	72.2	88.2	710.8	2.3	37.3	NA	NA	NA	94.2	1,619.0	232.9	1,851.8
1965	430.3	560.5	176.0	24.0	14.5	410.0	52.0	113.1	789.6	1.5	36.9	NA	NA	NA	135.7	1,954.6	324.0	2,278.6
1970	341.8	756.0	216.6	41.0	23.7	508.7	34.8	97.2	921.9	1.3	36.4	NA	NA	NA	188.7	2,246.2	456.4	2,702.6
1975	256.1	847.5	237.1	31.6	28.4	568.7	26.1	86.9	978.9	1.3	35.9	NA	NA	NA	219.6	2,339.2	526.6	2,865.8
1980	226.9	855.2	156.5	37.1	25.3	509.7	23.1	90.2	841.9	1.2	90.6	NA	NA	NA	237.8	2,253.5	571.2	2,824.7
1985	176.1	715.2	147.8	36.7	52.0	490.9	16.3	62.7	806.4	1.2	100.2	0.0	NA	NA	253.9	2,053.9	581.6	2,635.5
1990	124.5	829.7	139.9	56.6	55.3	524.8	9.9	76.8	863.3	0.2	71.2	0.0	0.6	0.2	281.0	2,157.1	717.0	2,874.1
1995	115.5	887.6	157.3	50.0	54.3	576.8	3.1	82.7	924.4	0.3	68.5	0.0	0.8	0.3	323.1	2,301.1	698.4	2,999.5
2000	105.1	858.4	177.2	40.9	61.7	616.1	4.2	88.7	988.7	0.3	68.9	0.0	1.2	0.2	357.5	2,369.3	832.6	3,201.9
2001	99.2	796.9	169.6	35.3	71.7	622.9	2.8	75.7	977.9	0.3	51.5	0.0	1.2	0.2	349.4	2,273.2	811.3	3,084.4
2002	79.1	837.4	165.6	34.1	79.7	634.4	2.9	74.1	990.8	0.3	45.8	0.0	1.4	0.2	357.3	2,312.3	828.1	3,140.4
2003	75.4	846.1	173.8	15.3	78.1	619.3	6.3	79.1	971.8	0.8	56.3	2.6	1.8	0.2	371.5	2,326.4	853.2	3,179.6
2004	82.6	803.2	178.9	21.2	78.4	618.7	6.2	81.3	984.8	0.3	59.0	2.9	1.9	0.3	363.7	2,298.7	845.0	3,143.7
2005	81.2	794.9	174.2	19.5	87.1	621.6	7.0	78.6	987.9	0.3	69.9	2.7	2.2	0.3	376.8	2,316.3	879.5	3,195.8
2006	80.2	706.6	171.9	23.4	56.4	613.1	6.1	71.1	942.0	0.3	64.9	4.5	2.6	0.4	368.6	2,170.0	856.8	3,026.8
2007	79.8	689.4	168.2	29.9	60.9	598.3	7.9	72.9	938.1	0.3	68.2	10.5	3.0	0.5	372.9	2,162.8	861.0	3,023.8
2008	87.6	702.7	152.7	26.3	47.6	571.1	7.9	59.9	865.6	0.3	72.1	12.6	3.5	0.5	360.9	2,105.8	811.4	2,917.2
2009	53.4	665.7	146.6	24.2	45.0	559.6	3.1	R 59.5	R 838.1	0.2	58.5	11.8	4.3	0.6	334.8	R 1,967.4	724.4	R 2,691.9
2010	71.7	643.9	151.3	20.8	41.7	550.6	3.0	R 60.4	R 827.8	0.3	59.0	14.7	4.9	0.7	353.7	R 1,976.6	776.9	R 2,753.5
2011	70.8	672.8	152.3	18.2	R 40.1	536.6	4.1	R 55.5	R 806.7	0.3	R 68.1	14.9	5.1	R 1.0	358.4	R 1,998.0	787.2	R 2,785.2
2012	61.9	619.7	147.0	20.6	35.6	531.9	2.9	R 57.0	R 794.8	0.2	R 67.6	14.0	5.2	1.2	357.6	R 1,922.3	765.7	R 2,687.9
2013	69.3	R 715.4	163.8	22.1	47.1	R 552.2	2.4	R 63.8	R 851.3	0.3	R 71.4	14.6	5.2	R 1.3	351.6	R 2,080.3	R 752.1	R 2,832.4
2014	64.3	764.4	166.2	22.6	46.0	553.8	1.6	68.3	858.5	0.3	71.9	14.9	5.2	1.3	352.5	2,133.3	748.2	2,881.5

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases, includes ethane and olefins.

[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[i] Losses and co-products from the production of fuel ethanol.

[j] Beginning in 2009, includes wind energy consumed by the commercial and industrial sectors. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included 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.

[k] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2014, Michigan

Year	Coal [a]	Natural Gas [b]	Petroleum				Biomass	Geothermal [e]	Solar/PV [e,f]	Retail Electricity Sales	Net Energy [e,g]	Electrical System Energy Losses [h]	Total [e,g]
			Distillate Fuel Oil	Kerosene	LPG [c]	Total	Wood [d]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords			Million Kilowatthours			
1960	1,414	202	17,380	765	2,090	20,234	1,103	--	--	8,728	--	--	--
1965	1,007	271	16,334	1,279	2,528	20,141	890	--	--	11,309	--	--	--
1970	481	340	18,839	545	4,842	24,226	829	--	--	17,103	--	--	--
1975	119	335	19,420	302	5,625	25,347	796	--	--	20,886	--	--	--
1980	65	387	9,195	83	3,637	12,915	2,115	--	--	22,260	--	--	--
1985	56	341	6,192	425	4,771	11,389	2,193	--	--	22,302	--	--	--
1990	54	327	4,842	217	7,045	12,104	1,373	--	--	25,319	--	--	--
1995	33	380	3,815	233	8,637	12,685	739	--	--	28,623	--	--	--
1996	32	400	3,859	230	11,594	15,682	768	--	--	28,901	--	--	--
1997	21	380	3,662	254	10,955	14,871	503	--	--	28,726	--	--	--
1998	16	320	2,653	272	10,238	13,163	447	--	--	29,808	--	--	--
1999	2	351	2,994	606	11,599	15,200	459	--	--	30,661	--	--	--
2000	2	368	2,902	356	11,940	15,199	494	--	--	30,707	--	--	--
2001	1	344	2,654	222	14,923	17,799	673	--	--	32,305	--	--	--
2002	32	368	2,212	160	15,937	18,310	683	--	--	34,336	--	--	--
2003	4	386	2,283	264	15,801	18,348	719	--	--	33,669	--	--	--
2004	18	362	2,040	221	13,772	16,033	737	--	--	33,104	--	--	--
2005	12	359	1,945	219	15,437	17,601	1,270	--	--	36,095	--	--	--
2006	1	316	1,504	153	9,483	11,140	1,126	--	--	34,622	--	--	--
2007	17	328	1,371	95	10,916	12,383	1,245	--	--	35,366	--	--	--
2008	0	342	1,208	49	10,215	11,472	1,393	--	--	34,297	--	--	--
2009	0	327	909	71	9,925	10,904	933	--	--	32,854	--	--	--
2010	0	304	673	64	9,155	9,892	814	--	--	34,681	--	--	--
2011	0	318	670	46	R 8,559	R 9,275	833	--	--	34,811	--	--	--
2012	0	277	459	15	7,174	7,649	777	--	--	34,461	--	--	--
2013	0	334	561	23	9,761	10,344	1,074	--	--	34,013	--	--	--
2014	0	355	701	35	9,722	10,458	1,074	--	--	33,515	--	--	--
			Trillion Btu										
1960	35.0	209.0	101.2	4.3	8.0	113.6	22.1	NA	NA	29.8	409.5	73.6	483.1
1965	24.8	274.8	95.1	7.3	9.7	112.1	17.8	NA	NA	38.6	468.1	92.1	560.2
1970	11.4	345.1	109.7	3.1	18.6	131.4	16.6	NA	NA	58.4	562.9	141.2	704.1
1975	2.8	343.0	113.1	1.7	21.6	136.4	15.9	NA	NA	71.3	569.4	170.9	740.3
1980	1.6	394.9	53.6	0.5	14.0	68.0	42.3	NA	NA	76.0	582.7	182.5	765.1
1985	1.4	348.9	36.1	2.4	18.3	56.8	43.9	NA	NA	76.1	525.6	174.3	699.8
1990	1.3	341.9	28.2	1.2	27.0	56.5	27.5	0.6	0.2	86.4	506.7	220.4	727.1
1995	0.8	395.4	22.2	1.3	33.1	56.7	14.8	0.7	0.3	97.7	557.3	211.1	768.4
1996	0.8	413.2	22.5	1.3	44.5	68.2	15.4	0.8	0.3	98.6	588.1	220.8	808.9
1997	0.5	395.1	21.3	1.4	42.0	64.8	10.1	0.8	0.3	98.0	560.4	222.5	783.0
1998	0.4	334.7	15.4	1.5	39.3	56.3	8.9	0.8	0.3	101.7	494.5	239.4	733.9
1999	0.1	365.3	17.4	3.4	44.5	65.4	9.2	0.9	0.3	104.6	537.4	240.9	778.3
2000	(s)	381.1	16.9	2.0	45.8	64.7	9.9	0.9	0.2	104.8	556.6	244.0	800.6
2001	(s)	354.4	15.4	1.3	57.2	73.9	13.5	1.0	0.2	110.2	551.6	255.9	807.5
2002	0.8	375.5	12.9	0.9	61.1	74.9	13.7	1.1	0.2	117.2	583.3	271.5	854.8
2003	0.1	397.1	13.3	1.5	60.6	75.4	14.4	1.4	0.2	114.9	603.5	263.8	867.3
2004	0.4	371.1	11.9	1.3	52.8	66.0	14.7	1.5	0.3	112.9	567.0	262.4	829.4
2005	0.3	364.0	11.3	1.2	59.2	71.8	25.4	1.8	0.3	123.2	586.7	287.4	874.1
2006	(s)	321.5	8.7	0.9	36.4	46.0	22.5	2.1	0.4	118.1	510.5	274.6	R 785.2
2007	0.4	335.7	7.9	0.5	41.9	50.3	24.9	2.5	0.5	120.7	535.0	278.6	813.6
2008	0.0	350.0	7.0	0.3	39.2	46.4	27.9	3.0	0.5	117.0	544.8	263.1	807.9
2009	0.0	334.2	5.3	0.4	38.1	43.7	18.7	3.7	0.6	112.1	R 513.0	242.6	755.5
2010	0.0	309.3	3.9	0.4	35.1	39.4	16.3	4.2	0.7	118.3	R 488.2	260.0	748.1
2011	0.0	322.4	3.9	0.3	R 32.8	R 37.0	16.7	4.0	R 1.0	118.8	R 499.8	260.9	R 760.7
2012	0.0	281.5	2.7	0.1	27.5	30.3	15.5	4.3	1.2	117.6	450.3	251.7	702.1
2013	0.0	R 339.7	3.2	0.1	37.4	40.8	21.5	4.3	R 1.3	116.1	R 523.6	R 248.3	R 771.9
2014	0.0	362.1	4.0	0.2	37.3	41.5	21.5	4.3	1.3	114.4	545.1	242.7	787.8

[a] Beginning in 2008, data are no longer collected and are assumed to be zero.
[b] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[c] Liquefied petroleum gases, includes ethane and olefins.
[d] Wood and wood-derived fuels.
[e] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[f] Solar thermal and photovoltaic energy. Includes distributed solar thermal and photovoltaic energy used in the commercial and industrial sectors.
[g] 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.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2014, Michigan

Year	Coal	Natural Gas [a]	Petroleum						Hydro-electric Power [e,f]	Biomass	Geothermal [f]	Retail Electricity Sales	Net Energy [f,h]	Electrical System Energy Losses [i]	Total [f,h]
			Distillate Fuel Oil	Kerosene	LPG [b]	Motor Gasoline [c]	Residual Fuel Oil	Total [d]		Wood and Waste [f,g]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million Kilowatthours			Million Kilowatthours			
1960	982	43	3,212	566	192	324	1,175	5,468	NA	– –	– –	6,381	– –	– –	– –
1965	760	85	3,019	946	232	536	839	5,572	NA	– –	– –	9,124	– –	– –	– –
1970	378	133	3,482	403	444	804	558	5,691	NA	– –	– –	13,021	– –	– –	– –
1975	279	182	3,589	224	516	954	390	5,672	NA	– –	– –	14,596	– –	– –	– –
1980	243	190	3,123	15	333	823	225	4,519	NA	– –	– –	16,765	– –	– –	– –
1985	197	158	2,449	11	438	699	274	3,872	NA	– –	– –	18,421	– –	– –	– –
1990	214	159	2,010	18	646	770	71	3,516	0	– –	– –	21,986	– –	– –	– –
1995	221	194	1,638	102	792	77	5	2,614	0	– –	– –	32,153	– –	– –	– –
1996	238	201	1,766	149	1,063	77	5	3,060	0	– –	– –	32,896	– –	– –	– –
1997	167	192	1,917	56	1,005	76	55	3,108	0	– –	– –	33,231	– –	– –	– –
1998	129	163	1,506	66	939	208	2	2,720	0	– –	– –	34,710	– –	– –	– –
1999	18	179	1,401	37	1,064	171	3	2,676	0	– –	– –	36,040	– –	– –	– –
2000	12	187	1,577	33	1,095	159	5	2,868	0	– –	– –	36,793	– –	– –	– –
2001	8	174	1,525	35	1,368	433	17	3,378	0	– –	– –	35,925	– –	– –	– –
2002	234	176	966	28	1,461	247	64	2,767	0	– –	– –	36,835	– –	– –	– –
2003	28	186	1,184	19	1,582	203	90	3,078	0	– –	– –	35,391	– –	– –	– –
2004	161	175	1,063	22	1,547	191	49	2,872	0	– –	– –	38,632	– –	– –	– –
2005	141	175	1,267	28	933	207	4	2,440	0	– –	– –	39,600	– –	– –	– –
2006	8	154	1,337	26	915	91	2	2,370	0	– –	– –	39,299	– –	– –	– –
2007	155	164	1,128	8	911	82	0	2,129	0	– –	– –	40,047	– –	– –	– –
2008	190	172	1,055	7	998	84	56	2,200	0	– –	– –	38,974	– –	– –	– –
2009	246	164	1,358	8	690	127	12	2,195	0	– –	– –	37,870	– –	– –	– –
2010	177	152	1,130	13	689	82	76	1,990	0	– –	– –	38,123	– –	– –	– –
2011	163	164	1,240	9	R 644	79	98	R 2,071	0	– –	– –	38,613	– –	– –	– –
2012	90	145	1,172	3	762	78	47	2,063	0	– –	– –	38,514	– –	– –	– –
2013	73	172	1,337	7	954	81	1	2,379	0	– –	– –	37,698	– –	– –	– –
2014	68	186	1,161	9	880	3,257	4	5,312	0	– –	– –	37,349	– –	– –	– –
			Trillion Btu												
1960	24.3	44.5	18.7	3.2	0.7	1.7	7.4	31.7	NA	0.4	NA	21.8	122.8	53.8	176.6
1965	18.7	86.0	17.6	5.4	0.9	2.8	5.3	31.9	NA	0.3	NA	31.1	168.1	74.3	242.4
1970	9.0	134.7	20.3	2.3	1.7	4.2	3.5	32.0	NA	0.3	NA	44.4	220.4	107.5	327.9
1975	6.5	186.4	20.9	1.3	2.0	5.0	2.4	31.6	NA	0.3	NA	49.8	274.6	119.5	394.1
1980	5.9	194.0	18.2	0.1	1.3	4.3	1.4	25.3	NA	1.0	NA	57.2	283.5	137.4	420.9
1985	4.8	161.4	14.3	0.1	1.7	3.7	1.7	21.4	NA	1.0	NA	62.9	250.9	144.0	394.9
1990	5.3	166.5	11.7	0.1	2.5	4.0	0.4	18.8	0.0	7.3	0.0	75.0	269.2	191.4	460.6
1995	5.4	201.9	9.5	0.6	3.0	0.4	(s)	13.6	0.0	9.0	0.1	109.7	335.2	237.1	572.4
1996	5.9	208.3	10.3	0.8	4.1	0.4	(s)	15.6	0.0	10.8	0.1	112.2	348.4	251.3	599.7
1997	4.1	200.0	11.2	0.3	3.9	0.4	0.3	16.1	0.0	11.0	0.2	113.4	340.1	257.4	597.5
1998	3.2	171.1	8.8	0.4	3.6	1.1	(s)	13.8	0.0	9.4	0.2	118.4	311.7	278.8	590.6
1999	0.4	186.8	8.2	0.2	4.1	0.9	(s)	13.4	0.0	9.4	0.2	123.0	329.0	283.2	612.2
2000	0.3	193.6	9.2	0.2	4.2	0.8	(s)	14.4	0.0	8.6	0.2	125.5	340.1	292.4	632.5
2001	0.2	179.1	8.9	0.2	5.2	2.3	0.1	16.7	0.0	2.6	0.2	122.6	320.6	284.6	605.2
2002	5.5	179.7	5.6	0.2	5.6	1.3	0.4	13.1	0.0	6.5	0.3	125.7	330.7	291.3	622.0
2003	0.7	191.7	6.9	0.1	6.1	1.1	0.6	14.7	0.0	6.5	0.4	120.8	334.7	277.3	612.0
2004	3.9	179.6	6.2	0.1	5.9	1.0	0.3	13.5	0.0	7.0	0.4	131.8	336.3	306.2	642.6
2005	3.4	177.2	7.4	0.2	3.6	1.1	(s)	12.2	0.0	8.3	0.5	135.1	336.7	315.3	652.1
2006	0.2	156.7	7.8	0.1	3.5	0.5	(s)	11.9	0.0	8.3	0.5	134.1	311.7	311.7	623.4
2007	3.8	167.4	6.5	(s)	3.5	0.4	0.0	10.5	0.0	8.7	0.5	136.6	327.5	315.5	642.9
2008	4.9	176.3	6.1	(s)	3.8	0.4	0.4	10.7	0.0	9.1	0.6	133.0	334.5	298.9	633.4
2009	6.4	167.2	7.8	(s)	2.6	0.6	0.1	11.3	0.0	7.3	0.7	129.2	322.1	279.6	601.7
2010	4.6	154.8	6.5	0.1	2.6	0.4	0.5	10.1	0.0	7.5	0.7	130.1	307.8	285.8	593.6
2011	4.1	165.8	7.2	0.1	R 2.5	0.4	0.6	R 10.7	0.0	7.5	1.1	131.7	R 320.9	289.3	R 610.3
2012	2.1	147.1	6.8	(s)	2.9	0.4	0.3	10.4	0.0	7.8	0.9	131.4	299.7	281.3	581.0
2013	1.7	R 174.3	7.7	(s)	3.7	0.4	(s)	11.8	0.0	7.2	0.9	128.6	R 324.5	R 275.2	R 599.7
2014	1.6	190.3	6.7	0.1	3.4	16.5	(s)	26.6	0.0	7.4	0.9	127.4	354.3	270.5	624.8

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases, includes ethane and olefins.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Distributed solar thermal and photovoltaic energy consumed in the commercial sector is included in residential consumption. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2008, includes small amounts of solar and wind energy consumed by commercial plants with capacity of 1 megawatt or greater. 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.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2014, Michigan

Year	Coal	Natural Gas [a]	Petroleum						Hydro-electric Power [e,f]	Biomass		Geo-thermal [f]	Retail Electricity Sales	Net Energy [f,i]	Electrical System Energy Losses [j]	Total [f,i]
			Distillate Fuel Oil	LPG [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total		Wood and Waste [f,g]	Losses and Co-products [h]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh				Million kWh			
1960	13,011	117	7,091	524	3,151	9,574	10,949	31,288	212	– –	– –	– –	12,482	– –	– –	– –
1965	15,193	192	7,518	923	2,694	6,660	13,665	31,460	146	– –	– –	– –	19,350	– –	– –	– –
1970	13,061	262	8,502	854	2,758	4,557	13,367	30,038	123	– –	– –	– –	25,169	– –	– –	– –
1975	9,885	300	8,749	1,239	1,889	3,343	12,239	27,460	121	– –	– –	– –	28,866	– –	– –	– –
1980	8,652	249	4,804	2,637	967	3,213	13,129	24,750	117	– –	– –	– –	30,656	– –	– –	– –
1985	6,645	190	4,408	8,725	1,192	2,213	8,405	24,944	117	– –	– –	– –	33,704	– –	– –	– –
1990	4,719	290	3,957	6,926	976	1,416	10,635	23,911	23	– –	– –	– –	35,062	– –	– –	– –
1995	4,383	254	3,457	4,826	1,310	402	11,392	21,387	27	– –	– –	– –	33,921	– –	– –	– –
1996	4,283	260	3,889	5,425	1,418	415	10,653	21,800	29	– –	– –	– –	34,499	– –	– –	– –
1997	3,770	255	3,986	2,361	1,271	415	14,779	22,812	26	– –	– –	– –	35,430	– –	– –	– –
1998	3,857	224	4,122	1,127	1,097	400	13,850	20,597	25	– –	– –	– –	35,983	– –	– –	– –
1999	4,636	248	4,909	2,323	1,017	332	13,602	22,184	26	– –	– –	– –	37,276	– –	– –	– –
2000	4,004	247	4,055	3,006	1,060	622	12,207	20,951	27	– –	– –	– –	37,268	– –	– –	– –
2001	3,793	233	3,494	2,434	1,835	352	10,388	18,504	26	– –	– –	– –	34,174	– –	– –	– –
2002	2,781	250	2,767	3,457	1,931	344	10,194	18,693	29	– –	– –	– –	33,537	– –	– –	– –
2003	2,840	222	3,229	2,984	2,018	713	11,077	20,020	75	– –	– –	– –	39,813	– –	– –	– –
2004	3,012	219	3,651	5,110	2,308	687	11,404	23,160	30	– –	– –	– –	34,867	– –	– –	– –
2005	3,017	222	3,475	6,279	2,237	909	10,913	23,813	29	– –	– –	– –	34,745	– –	– –	– –
2006	3,132	199	3,020	4,407	2,378	736	9,864	20,405	32	– –	– –	– –	34,093	– –	– –	– –
2007	2,922	156	3,154	4,112	2,218	967	10,317	20,768	26	– –	– –	– –	33,879	– –	– –	– –
2008	3,204	149	3,415	1,003	1,883	982	8,394	15,677	26	– –	– –	– –	32,505	– –	– –	– –
2009	1,850	137	3,091	988	1,442	342	R 8,371	R 14,234	25	– –	– –	– –	27,391	– –	– –	– –
2010	2,621	152	3,224	910	1,254	154	R 8,365	R 13,907	28	– –	– –	– –	30,841	– –	– –	– –
2011	2,636	158	3,208	R 977	1,206	218	R 7,693	R 13,302	29	– –	– –	– –	31,624	– –	– –	– –
2012	2,291	167	2,825	1,093	1,316	188	R 8,067	R 13,488	26	– –	– –	– –	31,836	– –	– –	– –
2013	2,588	179	3,322	R 1,144	R 1,385	138	R 9,254	R 15,241	29	– –	– –	– –	31,322	– –	– –	– –
2014	2,474	188	3,173	1,132	976	73	9,929	15,284	29	– –	– –	– –	32,446	– –	– –	– –
			Trillion Btu													
1960	332.0	121.3	41.3	2.2	16.5	60.2	66.3	186.5	2.3	14.8	NA	NA	42.6	699.5	105.3	804.8
1965	385.6	195.1	43.8	3.8	14.2	41.9	80.4	184.0	1.5	18.8	NA	NA	66.0	851.0	157.6	1,008.6
1970	320.9	265.7	49.5	3.2	14.5	28.7	80.2	176.1	1.3	19.5	NA	NA	85.9	869.3	207.7	1,077.1
1975	246.7	307.7	51.0	4.5	9.9	21.0	74.1	160.5	1.3	19.7	NA	NA	98.5	834.4	236.2	1,070.7
1980	219.4	253.7	28.0	9.6	5.1	20.2	78.2	141.1	1.2	47.2	NA	NA	104.6	767.2	251.3	1,018.5
1985	169.9	194.2	25.7	30.9	6.3	13.9	51.1	127.9	1.2	55.3	0.0	NA	115.0	662.8	263.4	926.1
1990	117.9	302.6	23.1	24.7	5.1	8.9	65.2	127.0	0.2	36.5	0.0	0.0	119.6	697.3	305.2	1,002.5
1995	109.2	264.4	20.1	17.2	6.8	2.5	70.9	117.6	0.3	44.7	0.0	0.0	115.7	646.2	250.2	896.3
1996	107.5	268.8	22.6	19.3	7.4	2.6	65.5	117.4	0.3	53.3	0.0	0.0	117.7	659.4	263.5	922.9
1997	95.1	265.7	23.2	8.4	6.6	2.6	92.9	133.7	0.3	51.4	0.0	0.0	120.9	661.2	274.5	935.7
1998	97.9	234.9	24.0	4.0	5.7	2.5	86.2	122.5	0.3	49.6	0.0	0.0	122.8	622.1	289.1	911.1
1999	120.0	258.6	28.6	8.3	5.3	2.1	84.5	128.7	0.3	51.4	0.0	0.0	127.2	680.4	292.9	973.3
2000	104.8	256.2	23.6	10.6	5.5	3.9	76.1	119.7	0.3	50.4	0.0	0.0	127.2	655.2	296.1	951.4
2001	99.0	240.5	20.3	8.6	9.6	2.2	65.2	106.0	0.3	35.5	0.0	0.0	116.6	596.7	270.7	867.4
2002	72.8	254.7	16.1	12.3	10.1	2.2	63.7	104.3	0.3	25.7	0.0	0.0	114.4	572.3	265.2	837.5
2003	74.6	229.0	18.8	10.6	10.5	4.5	69.2	113.6	0.8	35.4	2.6	0.0	135.8	591.8	312.0	903.8
2004	78.2	224.2	21.2	18.2	12.0	4.3	71.6	127.3	0.3	37.3	2.9	0.0	119.0	589.1	276.4	865.5
2005	77.5	225.4	20.2	22.3	11.6	5.7	68.9	128.8	0.3	36.3	2.7	0.0	118.5	589.5	276.7	866.2
2006	80.0	202.4	17.5	15.6	12.3	4.6	62.0	112.1	0.3	34.1	4.5	0.0	116.3	549.8	270.4	820.2
2007	75.6	159.7	18.2	14.5	11.4	6.1	64.0	114.3	0.3	34.7	10.5	0.0	115.6	510.6	266.9	777.5
2008	82.7	152.2	19.7	3.5	9.7	6.2	51.8	90.9	0.3	35.2	12.6	0.0	110.9	484.8	249.3	734.1
2009	47.1	140.0	17.9	3.4	7.4	2.1	R 52.1	R 82.9	0.2	32.5	11.8	0.0	93.5	R 408.0	202.2	R 610.2
2010	67.1	154.1	18.6	3.2	6.4	1.0	R 52.0	R 81.1	0.3	35.3	14.7	0.0	105.2	R 457.9	231.2	R 689.0
2011	66.7	160.4	18.5	R 3.4	6.1	1.4	R 47.6	R 77.0	0.3	R 43.9	14.9	0.0	107.9	R 471.1	237.0	R 708.0
2012	59.8	170.0	16.3	3.8	6.7	1.2	R 49.9	R 77.9	0.2	R 44.3	14.0	0.0	108.6	R 474.8	232.5	R 707.3
2013	67.6	R 182.1	19.2	4.0	7.0	0.9	R 56.4	R 87.4	0.3	R 42.7	14.6	0.0	106.9	R 501.5	R 228.6	R 730.2
2014	62.7	191.8	18.3	3.9	4.9	0.5	60.6	88.2	0.3	43.0	14.9	0.0	110.7	511.7	235.0	746.7

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases, includes ethane and olefins.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] Distributed solar thermal and photovoltaic energy consumed in the industrial sector is included in residential consumption. For 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 2008, includes small amounts of solar and wind energy consumed by industrial plants with capacity of 1 megawatt or greater. 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.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
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. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2014, Michigan

Year	Coal	Natural Gas [a]	Petroleum								Retail Electricity Sales	Net Energy [e,f]	Electrical System Energy Losses [g]	Total [e,f]
			Aviation Gasoline	Distillate Fuel Oil	Jet Fuel [b]	LPG [c]	Lubricants	Motor Gasoline [d]	Residual Fuel Oil	Total				
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Million Kilowatthours			
1960	223	3	1,312	2,475	3,369	21	1,277	62,307	728	71,489	9	– –	– –	– –
1965	50	5	2,619	3,348	4,377	34	1,126	74,814	779	87,097	0	– –	– –	– –
1970	21	10	718	6,353	7,365	62	1,324	93,269	427	109,518	0	– –	– –	– –
1975	2	10	347	8,949	5,700	95	1,321	105,412	423	122,248	0	– –	– –	– –
1980	0	12	488	9,741	6,646	128	1,477	95,235	232	113,946	0	– –	– –	– –
1985	0	11	201	12,328	6,570	291	1,344	91,556	99	112,389	0	– –	– –	– –
1990	0	18	215	13,207	10,057	283	1,513	98,167	92	123,533	0	– –	– –	– –
1995	0	25	231	18,125	8,818	241	1,443	109,159	94	138,111	4	– –	– –	– –
1996	0	26	215	18,940	9,045	224	1,401	109,025	123	138,970	5	– –	– –	– –
1997	0	24	197	19,815	9,487	204	1,480	111,042	52	142,276	4	– –	– –	– –
1998	0	21	167	21,145	9,033	804	1,549	113,608	82	146,388	5	– –	– –	– –
1999	0	23	286	21,764	9,116	352	1,565	119,839	36	152,958	4	– –	– –	– –
2000	0	27	205	21,915	7,214	266	1,542	116,941	48	148,131	4	– –	– –	– –
2001	0	22	79	21,472	6,219	151	1,412	117,204	71	146,608	5	– –	– –	– –
2002	0	27	167	22,514	6,016	183	1,396	119,567	47	149,891	5	– –	– –	– –
2003	0	27	89	23,163	2,695	212	1,290	116,798	198	144,445	3	– –	– –	– –
2004	0	28	80	23,993	3,733	397	1,307	116,468	251	146,228	3	– –	– –	– –
2005	0	28	84	23,256	3,431	509	1,300	117,139	197	145,916	5	– –	– –	– –
2006	0	26	67	23,767	4,124	231	1,267	115,637	232	145,325	4	– –	– –	– –
2007	0	26	76	23,422	5,270	278	1,308	113,760	288	144,401	5	– –	– –	– –
2008	0	24	74	20,749	4,641	289	1,215	109,444	218	136,629	5	– –	– –	– –
2009	0	24	62	20,008	4,270	227	1,092	108,134	134	133,927	5	– –	– –	– –
2010	0	25	118	21,161	3,663	202	1,213	107,099	246	133,702	5	– –	– –	– –
2011	0	24	111	21,252	3,213	361	1,151	104,587	328	131,002	5	– –	– –	– –
2012	0	21	102	20,997	3,628	344	1,059	103,658	225	130,014	7	– –	– –	– –
2013	0	19	R 92	23,149	3,889	R 532	1,121	R 107,612	240	R 136,635	6	– –	– –	– –
2014	0	20	66	23,746	3,981	382	1,169	105,214	181	134,739	4	– –	– –	– –
			Trillion Btu											
1960	5.5	2.7	6.6	14.4	18.2	0.1	7.7	327.3	4.6	378.9	(s)	387.2	0.1	387.3
1965	1.2	4.6	13.2	19.5	24.0	0.1	6.8	393.0	4.9	461.5	0.0	467.4	0.0	467.4
1970	0.5	10.5	3.6	37.0	41.0	0.2	8.0	489.9	2.7	582.5	0.0	593.5	0.0	593.5
1975	(s)	10.5	1.7	52.1	31.6	0.4	8.0	553.7	2.7	650.3	0.0	660.8	0.0	660.8
1980	0.0	12.6	2.5	56.7	37.1	0.5	9.0	500.3	1.5	607.5	0.0	620.1	0.0	620.1
1985	0.0	10.8	1.0	71.8	36.7	1.1	8.2	480.9	0.6	600.4	0.0	614.7	0.0	614.7
1990	0.0	18.7	1.1	76.9	56.6	1.1	9.2	515.7	0.6	661.1	0.0	683.9	0.0	683.9
1995	0.0	25.9	1.2	105.5	50.0	0.9	8.8	569.6	0.6	736.5	(s)	762.4	(s)	762.5
1996	0.0	26.9	1.1	110.2	51.3	0.9	8.5	568.9	0.8	741.6	(s)	768.5	(s)	768.5
1997	0.0	24.8	1.0	115.3	53.8	0.8	9.0	579.1	0.3	759.3	(s)	784.1	(s)	784.1
1998	0.0	21.9	0.8	123.0	51.2	3.1	9.4	592.5	0.5	780.6	(s)	802.5	(s)	802.5
1999	0.0	23.5	1.4	126.6	51.7	1.4	9.5	624.7	0.2	815.6	(s)	839.1	(s)	839.1
2000	0.0	27.5	1.0	127.5	40.9	1.0	9.3	609.7	0.3	789.9	(s)	817.4	(s)	817.5
2001	0.0	23.0	0.4	124.9	35.3	0.6	8.6	611.1	0.4	781.3	(s)	804.3	(s)	804.3
2002	0.0	27.5	0.8	131.0	34.1	0.7	8.5	623.1	0.3	798.5	(s)	826.0	(s)	826.1
2003	0.0	28.3	0.5	134.8	15.3	0.8	7.8	607.7	1.2	768.1	(s)	796.4	(s)	796.4
2004	0.0	28.2	0.4	139.6	21.2	1.5	7.9	605.7	1.6	777.9	(s)	806.2	(s)	806.2
2005	0.0	28.3	0.4	135.3	19.5	2.0	7.9	608.9	1.2	775.1	(s)	803.4	(s)	803.5
2006	0.0	26.1	0.3	137.9	23.4	0.9	7.7	600.3	1.5	771.9	(s)	798.1	(s)	798.1
2007	0.0	26.6	0.4	135.5	29.9	1.1	7.9	586.4	1.8	763.0	(s)	789.7	(s)	789.7
2008	0.0	24.2	0.4	119.9	26.3	1.1	7.4	561.0	1.4	717.5	(s)	741.7	(s)	741.8
2009	0.0	24.2	0.3	115.7	24.2	0.9	6.6	551.6	0.8	700.1	(s)	724.4	(s)	724.4
2010	0.0	25.6	0.6	122.3	20.8	0.8	7.4	543.9	1.5	697.2	(s)	722.8	(s)	722.8
2011	0.0	24.2	0.6	122.8	18.2	1.4	7.0	530.0	2.1	682.0	(s)	706.2	(s)	706.3
2012	0.0	21.2	0.5	121.2	20.6	1.3	6.4	524.8	1.4	676.3	(s)	697.5	0.1	697.6
2013	0.0	R 19.4	0.5	133.7	22.1	2.0	6.8	R 544.7	1.5	R 711.3	(s)	R 730.6	(s)	R 730.7
2014	0.0	20.2	0.3	137.1	22.6	1.5	7.1	532.4	1.1	702.1	(s)	722.3	(s)	722.3

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases, includes ethane and olefins.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[f] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2014, Michigan

Year	Coal	Natural Gas [a]	Petroleum				Nuclear Electric Power	Hydroelectric Power [d]	Biomass	Geothermal [f]	Solar/PV [f,g]	Wind [f]	Net Electricity Imports [h]	Total [f,i]
			Distillate Fuel Oil [b]	Petroleum Coke	Residual Fuel Oil [c]	Total			Wood and Waste [e,f]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours			Million Kilowatthours				
1960	10,300	5	77	0	362	440	0	1,817	– –	0	NA	NA	1,250	– –
1965	16,123	3	68	0	316	384	181	1,667	– –	0	NA	NA	-413	– –
1970	20,124	64	965	0	4,514	5,479	375	1,581	– –	0	NA	NA	-400	– –
1975	20,914	57	1,538	0	14,136	15,674	7,176	989	– –	0	NA	NA	320	– –
1980	22,150	26	780	0	9,621	10,400	15,891	1,083	– –	0	NA	NA	5,685	– –
1985	25,896	10	646	0	522	1,168	13,452	881	– –	0	0	0	391	– –
1990	29,830	85	341	0	1,149	1,490	21,611	1,605	– –	0	0	0	-10,918	– –
1995	31,400	123	410	0	1,101	1,512	24,448	1,570	– –	0	0	0	5,760	– –
1996	32,405	140	300	3	1,235	1,539	26,829	1,755	– –	0	0	0	1,907	– –
1997	32,158	143	312	0	1,031	1,343	21,914	1,686	– –	0	0	0	1,380	– –
1998	34,253	148	468	103	1,630	2,201	12,494	1,372	– –	0	0	0	-1,534	– –
1999	33,854	150	505	65	2,120	2,690	14,591	1,432	– –	0	0	0	-219	– –
2000	33,277	135	374	9	1,683	2,066	18,882	1,401	– –	0	0	0	-327	– –
2001	33,928	133	369	2	1,150	1,522	26,711	1,536	– –	0	0	(s)	-2,102	– –
2002	33,367	146	535	73	1,537	2,145	31,087	1,640	– –	0	0	(s)	-2,234	– –
2003	34,101	103	484	60	1,152	1,697	27,954	1,310	– –	0	0	3	-3,564	– –
2004	35,312	133	393	17	1,112	1,522	30,562	1,509	– –	0	0	2	-3,204	– –
2005	36,273	131	372	170	1,099	1,641	32,872	1,433	– –	0	0	2	-2,730	– –
2006	34,926	109	302	218	231	751	29,066	1,488	– –	0	0	2	-2,117	– –
2007	36,574	124	295	252	529	1,076	31,517	1,244	– –	0	0	3	-1,206	– –
2008	36,476	93	287	236	214	738	31,484	1,339	– –	0	0	141	2,305	– –
2009	35,330	84	257	234	127	618	21,851	1,347	– –	0	0	300	5,637	– –
2010	34,976	113	255	220	117	593	29,625	1,222	– –	0	0	360	3,564	– –
2011	32,335	113	321	165	44	530	32,889	1,328	– –	0	0	456	4,069	– –
2012	29,669	181	223	178	50	451	28,020	1,189	– –	0	0	1,132	4,270	– –
2013	31,653	111	223	624	28	875	28,921	1,390	– –	0	0	2,800	R 5,818	– –
2014	29,401	112	261	1,862	16	2,139	31,246	1,571	– –	0	0	3,868	5,844	– –
							Trillion Btu							
1960	256.3	5.4	0.5	0.0	2.3	2.7	0.0	19.6	0.0	0.0	NA	NA	4.3	288.2
1965	399.9	3.0	0.4	0.0	2.0	2.4	2.1	17.4	0.0	0.0	NA	NA	-1.4	423.5
1970	487.0	65.2	5.6	0.0	28.4	34.0	4.1	16.6	0.0	0.0	NA	NA	-1.4	605.6
1975	494.9	47.3	8.9	0.0	88.9	97.8	79.0	10.3	0.0	0.0	NA	NA	1.1	730.4
1980	532.2	19.4	4.5	0.0	60.5	65.0	173.3	11.3	0.0	0.0	NA	NA	19.4	820.6
1985	605.8	4.7	3.8	0.0	3.3	7.0	142.9	9.2	0.0	0.0	0.0	0.0	1.3	770.9
1990	663.5	69.1	2.0	0.0	7.2	9.2	228.7	16.7	9.0	0.0	0.0	0.0	-37.3	957.4
1995	671.2	105.1	2.4	0.0	6.9	9.3	256.9	16.2	19.7	0.0	0.0	0.0	19.7	1,095.6
1996	682.1	122.1	1.7	(s)	7.8	9.5	281.8	18.1	23.4	0.0	0.0	0.0	6.5	1,140.8
1997	681.4	124.5	1.8	0.0	6.5	8.3	230.0	17.2	22.6	0.0	0.0	0.0	4.7	1,085.8
1998	725.3	131.4	2.7	0.6	10.2	13.6	131.1	14.0	22.5	0.0	0.0	0.0	-5.2	1,029.2
1999	712.2	134.1	2.9	0.4	13.3	16.7	152.5	14.6	21.7	0.0	0.0	0.0	-0.7	1,047.9
2000	694.7	126.0	2.2	0.1	10.6	12.8	196.9	14.3	25.6	0.0	0.0	0.0	-1.1	1,067.5
2001	690.5	131.7	2.2	(s)	7.2	9.4	278.9	15.9	25.0	0.0	0.0	(s)	-7.2	1,143.7
2002	660.8	147.3	3.1	0.4	9.7	13.2	324.6	16.7	24.8	0.0	0.0	(s)	-7.6	1,179.8
2003	672.6	104.6	2.8	0.4	7.2	10.4	291.3	13.3	24.8	0.0	0.0	(s)	-12.2	1,104.9
2004	691.2	135.5	2.3	0.1	7.0	9.4	318.7	15.1	25.3	0.0	0.0	(s)	-10.9	1,184.2
2005	718.2	132.6	2.2	1.0	6.9	10.0	343.0	14.3	23.2	0.0	0.0	(s)	-9.3	1,232.2
2006	693.4	110.4	1.8	1.2	1.5	4.5	303.3	14.8	23.2	0.0	0.0	(s)	-7.2	1,142.3
2007	721.3	125.5	1.7	1.4	3.3	6.5	330.6	12.3	22.1	0.0	0.0	(s)	-4.1	1,214.1
2008	712.4	94.8	1.7	1.4	1.3	4.4	329.1	13.2	22.7	0.0	0.0	1.4	7.9	1,185.8
2009	682.5	85.1	1.5	1.3	0.8	3.6	228.5	13.2	22.0	0.0	0.0	2.9	19.2	1,057.1
2010	677.6	114.8	1.5	1.3	0.7	3.5	309.6	11.9	21.9	0.0	0.0	3.5	12.2	1,155.0
2011	620.4	114.5	1.9	0.9	0.3	3.1	344.2	12.9	22.9	0.0	0.0	4.4	13.9	1,136.3
2012	559.7	184.4	1.3	1.0	0.3	2.6	293.6	11.3	22.3	0.0	0.0	10.8	14.6	1,099.3
2013	588.9	113.0	1.3	3.6	0.2	5.0	302.2	13.3	23.2	0.0	0.0	26.7	R 19.9	R 1,092.2
2014	554.2	114.3	1.5	10.7	0.1	12.3	326.8	14.9	24.7	0.0	0.0	36.8	19.9	1,103.9

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[c] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
[i] 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.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.