Table 7. Energy Consumption Estimates by Source, Selected Years, 1960-2007, Wisconsin

Year	Coal	Natural Gas [a]	Petroleum							Nuclear Electric Power	Hydro-electric Power [e]	Biomass	Geo-thermal, Solar/PV, and Wind [g,h]	Net Interstate Flow of Electricity/ Losses [i]	Other [j]	Total [g]
			Distillate Fuel Oil	Jet Fuel	LPG [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total			Wood and Waste [f,g]				
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million kWh						
1960	12,735	91	21,750	245	4,258	33,125	4,394	7,640	71,412	0	2,399	--	--	--	--	--
1965	14,528	200	23,508	629	5,246	36,295	3,209	6,830	75,716	0	2,131	--	--	--	--	--
1970	16,898	338	25,841	1,603	7,679	45,483	2,936	10,536	94,078	157	1,904	--	--	--	--	--
1975	12,733	365	26,561	2,206	8,448	51,548	2,106	7,067	97,936	10,293	2,037	--	--	--	--	--
1980	15,644	352	22,495	2,397	6,036	49,606	1,772	6,432	88,738	9,911	2,115	--	--	--	--	--
1985	18,034	308	23,154	1,663	5,377	46,557	402	5,324	82,478	10,979	2,546	--	--	--	--	--
1990	20,122	309	24,192	1,424	6,664	48,989	1,109	7,221	89,599	11,226	2,014	--	--	--	--	--
1995	23,151	381	23,471	2,044	8,753	55,053	829	9,317	99,467	10,970	2,378	--	--	--	--	--
1996	24,076	403	24,908	1,530	11,139	56,313	1,020	19,680	114,590	10,121	2,696	--	--	--	--	--
1997	25,487	401	24,999	R 1,950	9,935	55,696	1,065	21,907	R 115,552	3,916	2,483	--	--	--	--	--
1998	24,740	368	25,199	R 1,866	8,461	58,740	923	22,804	R 117,992	9,397	1,747	--	--	--	--	--
1999	25,276	381	28,622	3,407	11,009	58,976	1,011	23,042	126,066	11,495	1,985	--	--	--	--	--
2000	25,928	394	29,301	3,139	11,129	58,194	1,110	22,071	124,943	11,512	1,986	--	--	--	--	--
2001	25,921	360	31,694	2,590	10,094	58,870	918	12,103	116,269	11,507	2,056	--	--	--	--	--
2002	25,174	385	30,051	2,293	12,304	60,351	1,050	11,540	117,589	12,449	2,515	--	--	--	--	--
2003	26,197	395	25,586	1,336	10,658	60,902	930	12,813	112,226	12,215	1,843	--	--	--	--	--
2004	26,696	383	28,240	2,641	11,556	61,130	1,154	13,552	118,272	11,888	1,981	--	--	--	--	--
2005	26,727	410	27,309	2,858	11,337	61,367	1,468	13,028	117,367	9,921	1,740	--	--	--	--	--
2006	25,488	372	28,387	2,748	10,155	60,526	851	13,060	115,727	12,234	1,679	--	--	--	--	--
2007	25,588	398	28,085	2,227	10,363	62,275	800	12,402	116,153	12,910	1,516	--	--	--	--	--
			Trillion Btu													
1960	304.6	93.8	126.7	1.3	17.1	174.0	27.6	46.2	393.0	0.0	25.8	39.2	0.0	-1.2	0.0	855.1
1965	347.9	204.1	136.9	3.5	21.0	190.7	20.2	41.2	413.5	0.0	22.3	39.4	0.0	4.6	0.0	1,031.8
1970	381.6	344.2	150.5	9.0	29.0	238.9	18.5	64.5	510.5	1.7	20.0	38.3	0.0	-6.8	0.0	1,289.5
1975	272.0	372.1	154.7	12.5	31.4	270.8	13.2	43.2	525.8	113.4	21.2	44.9	0.0	-5.3	0.0	1,344.1
1980	327.3	354.7	131.0	13.5	22.2	260.6	11.1	39.5	478.0	108.1	22.0	165.3	0.0	12.7	(s)	1,468.0
1985	360.7	311.4	134.9	9.3	19.4	244.6	2.5	31.8	442.5	116.6	26.6	191.2	(s)	59.1	0.1	1,508.2
1990	394.5	311.2	140.9	8.0	24.2	257.3	7.0	44.7	482.1	118.8	21.0	81.3	0.3	64.7	0.7	1,474.5
1995	441.6	385.3	136.7	11.6	31.7	287.1	5.2	56.9	529.2	115.3	24.5	86.1	0.3	101.8	(s)	1,684.2
1996	454.6	408.1	145.1	8.7	40.2	293.7	6.4	112.3	606.4	106.3	27.9	95.1	0.3	98.0	0.5	1,797.2
1997	486.6	405.0	145.6	11.1	35.9	290.3	6.7	126.0	615.7	41.1	25.4	96.9	0.3	138.2	3.0	1,812.2
1998	472.0	372.1	146.8	10.6	30.6	306.2	5.8	132.0	631.8	98.6	17.8	89.4	0.4	113.2	2.7	1,798.1
1999	480.7	385.1	166.7	19.3	39.8	307.3	6.4	133.2	672.8	120.1	20.3	93.1	0.4	106.6	1.4	1,880.5
2000	499.2	397.6	170.7	17.8	40.1	303.2	7.0	127.2	666.0	120.1	20.3	92.3	0.4	105.8	0.0	1,901.5
2001	494.0	363.0	184.6	14.7	36.5	306.7	5.8	74.3	622.5	120.2	21.2	99.0	1.1	98.0	0.0	1,819.2
2002	492.0	386.9	175.0	13.0	44.5	314.3	6.6	70.5	623.9	130.0	25.6	72.2	0.8	108.4	0.0	1,839.7
2003	488.2	397.5	149.0	7.6	38.7	317.1	5.8	79.1	597.4	127.3	18.9	84.5	1.4	113.8	(s)	1,828.9
2004	499.2	384.8	164.5	15.0	41.8	318.8	7.3	83.4	630.7	124.0	19.9	72.4	1.4	111.8	0.0	R 1,844.2
2005	522.5	415.6	159.1	16.2	41.0	320.2	9.2	80.2	625.9	103.5	17.4	R 86.2	1.3	97.0	(s)	R 1,869.5
2006	462.7	376.6	165.4	15.6	36.6	315.8	5.4	80.3	619.1	127.6	16.7	R 90.9	1.5	126.3	(s)	R 1,821.3
2007	464.9	403.9	163.6	12.6	37.2	325.0	5.0	76.0	619.5	135.4	15.0	84.8	1.7	121.1	(s)	1,846.3

[a] Includes supplemental gaseous fuels.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and 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] Wood, wood-derived fuels, and waste. Prior to 2001, includes non-biomass waste.
[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] Geothermal, solar thermal, photovoltaic, and wind energy.
[i] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.
[j] Includes: net imports of electricity; fuel ethanol blended into motor gasoline that is not included in the motor gasoline column, from 1981 through 1992; and beginning in 1980, an adjustment to remove 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 the total.

kWh = Kilowatthours. -- = Not applicable.

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 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 available at http://www.eia.doe.gov/emeu/states/_seds.html under "Complete Data Files."

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

Table 8. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2007, Wisconsin

Year	Coal	Natural Gas [a]	Petroleum				Biomass	Geothermal [d]	Solar/PV [d,e]	Retail Electricity Sales	Net Energy [d,f]	Electrical System Energy Losses [g]	Total [d,f]
			Distillate Fuel Oil	Kerosene	LPG [b]	Total	Wood [c]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords			Million Kilowatthours			
1960	1,622	47	11,206	1,227	2,675	15,107	974	– –	– –	5,298	– –	– –	– –
1965	1,153	79	11,790	660	3,692	16,142	744	– –	– –	6,963	– –	– –	– –
1970	724	105	11,721	1,608	5,606	18,935	595	– –	– –	9,825	– –	– –	– –
1975	173	120	11,019	530	5,405	16,953	587	– –	– –	11,782	– –	– –	– –
1980	11	123	8,155	124	2,983	11,261	1,103	– –	– –	13,597	– –	– –	– –
1985	6	116	6,669	195	3,045	9,909	1,161	– –	– –	16,307	– –	– –	– –
1990	1	114	5,385	29	4,187	9,601	734	– –	– –	16,385	– –	– –	– –
1995	17	136	3,659	34	5,560	9,253	400	– –	– –	18,635	– –	– –	– –
1996	13	148	3,869	41	7,463	11,372	415	– –	– –	18,685	– –	– –	– –
1997	18	136	3,239	44	6,596	9,879	275	– –	– –	18,510	– –	– –	– –
1998	14	116	2,801	39	5,926	8,767	245	– –	– –	19,087	– –	– –	– –
1999	19	128	3,240	61	6,995	10,296	257	– –	– –	19,502	– –	– –	– –
2000	18	135	3,027	44	6,589	9,660	277	– –	– –	19,929	– –	– –	– –
2001	21	125	3,341	40	6,234	9,616	370	– –	– –	20,418	– –	– –	– –
2002	15	137	2,855	30	7,447	10,332	376	– –	– –	21,575	– –	– –	– –
2003	20	142	2,940	27	6,880	9,847	395	– –	– –	21,364	– –	– –	– –
2004	15	135	2,919	40	6,680	9,639	405	– –	– –	21,192	– –	– –	– –
2005	33	131	2,640	28	6,473	9,141	R 571	– –	– –	22,458	– –	– –	– –
2006	R 3	121	2,365	27	R 5,611	R 8,003	R 519	– –	– –	21,779	– –	– –	– –
2007	5	131	1,980	14	5,924	7,918	573	– –	– –	22,374	– –	– –	– –
							Trillion Btu						
1960	35.6	49.1	65.3	7.0	10.7	83.0	19.5	0.0	0.0	18.1	205.1	44.7	249.8
1965	25.1	80.9	68.7	3.7	14.8	87.2	14.9	0.0	0.0	23.8	231.9	56.7	288.6
1970	15.3	107.2	68.3	9.1	21.2	98.6	11.9	0.0	0.0	33.5	266.5	81.1	347.6
1975	3.3	122.4	64.2	3.0	20.1	87.3	11.7	0.0	0.0	40.2	264.9	96.7	361.6
1980	0.3	124.2	47.5	0.7	11.0	59.2	22.1	0.0	0.0	46.4	252.1	111.8	363.9
1985	0.1	R 117.4	38.8	1.1	11.0	50.9	23.2	0.0	0.0	55.6	247.3	128.1	375.4
1990	(s)	114.7	31.4	0.2	15.2	46.7	14.7	0.1	0.2	55.9	232.3	129.3	361.6
1995	0.4	137.5	21.3	0.2	20.1	41.7	8.0	0.1	0.2	63.6	251.5	144.4	395.9
1996	0.3	149.8	22.5	0.2	27.0	49.7	8.3	0.1	0.2	63.8	272.2	145.0	417.2
1997	0.4	137.3	18.9	0.3	23.8	43.0	5.5	0.1	0.2	63.2	249.7	143.1	392.8
1998	0.4	117.2	16.3	0.2	21.4	38.0	4.9	0.1	0.2	65.1	225.9	147.7	373.6
1999	0.5	129.1	18.9	0.3	25.3	44.5	5.1	0.1	0.2	66.5	246.2	152.2	398.4
2000	0.5	136.4	17.6	0.3	23.8	41.6	5.5	0.1	0.2	68.0	252.4	154.7	407.1
2001	0.5	126.3	19.5	0.2	22.5	42.2	7.4	0.1	0.2	69.7	246.5	155.2	401.7
2002	0.4	138.0	16.6	0.2	26.9	43.7	7.5	0.2	0.2	73.6	263.6	164.1	427.7
2003	0.5	143.3	17.1	0.2	25.0	42.2	7.9	0.2	0.2	72.9	267.2	160.9	428.0
2004	0.4	135.8	17.0	0.2	24.2	41.4	8.1	0.2	0.2	72.3	258.3	160.0	418.3
2005	0.6	133.0	15.4	0.2	23.4	39.0	R 11.4	0.3	0.2	76.6	R 261.0	167.6	R 428.6
2006	0.1	121.9	13.8	0.2	R 20.2	R 34.2	R 10.4	0.3	0.2	74.3	R 241.3	160.7	R 402.0
2007	0.1	132.9	11.5	0.1	21.3	32.9	11.5	0.4	0.2	76.3	254.3	164.7	419.0

[a] Includes supplemental gaseous fuels.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] 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.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = 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 changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data available at http://www.eia.doe.gov/emeu/states/_seds.html under "Complete Data Files."
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 9. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2007, Wisconsin

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	1,127	11	1,817	101	472	295	556	3,239	0	– –	– –	3,059	– –	– –	– –
1965	870	24	1,911	54	652	309	407	3,332	0	– –	– –	4,160	– –	– –	– –
1970	569	55	1,900	132	989	56	244	3,321	0	– –	– –	6,180	– –	– –	– –
1975	404	67	1,786	43	954	52	168	3,004	0	– –	– –	8,342	– –	– –	– –
1980	40	77	1,682	57	526	76	30	2,371	0	– –	– –	10,019	– –	– –	– –
1985	20	73	3,294	18	537	283	106	4,238	0	– –	– –	12,087	– –	– –	– –
1990	4	66	2,128	9	739	320	217	3,412	11	– –	– –	13,408	– –	– –	– –
1995	113	85	982	10	981	51	108	2,133	4	– –	– –	15,642	– –	– –	– –
1996	92	94	978	12	1,317	80	131	2,517	10	– –	– –	16,188	– –	– –	– –
1997	144	89	1,257	7	1,164	51	132	2,611	8	– –	– –	16,480	– –	– –	– –
1998	114	81	1,386	10	1,046	52	234	2,727	9	– –	– –	16,934	– –	– –	– –
1999	138	82	1,447	7	1,234	85	167	2,941	5	– –	– –	18,381	– –	– –	– –
2000	144	81	1,344	10	1,163	79	180	2,775	4	– –	– –	19,055	– –	– –	– –
2001	169	76	1,433	21	1,100	79	199	2,832	4	– –	– –	19,430	– –	– –	– –
2002	112	86	1,210	13	1,314	80	367	2,984	0	– –	– –	19,890	– –	– –	– –
2003	135	87	1,416	27	1,214	83	393	3,133	5	– –	– –	20,056	– –	– –	– –
2004	137	82	1,323	32	1,179	86	250	2,869	2	– –	– –	19,349	– –	– –	– –
2005	384	86	1,238	30	1,142	86	296	2,793	7	– –	– –	22,501	– –	– –	– –
2006	R 26	86	895	25	R 990	56	81	R 2,047	(s)	– –	– –	22,756	– –	– –	– –
2007	46	89	1,010	9	1,045	56	25	2,145	1	– –	– –	23,491	– –	– –	– –
									Trillion Btu						
1960	24.7	11.3	10.6	0.6	1.9	1.5	3.5	18.1	0.0	0.4	0.0	10.4	64.9	25.8	90.7
1965	19.0	24.0	11.1	0.3	2.6	1.6	2.6	18.2	0.0	0.3	0.0	14.2	75.6	33.9	109.5
1970	12.0	55.6	11.1	0.7	3.7	0.3	1.5	17.4	0.0	0.2	0.0	21.1	106.3	51.0	157.3
1975	7.7	68.9	10.4	0.2	3.5	0.3	1.1	15.5	0.0	0.2	0.0	28.5	120.7	68.4	189.2
1980	1.0	77.7	9.8	0.3	1.9	0.4	0.2	12.6	0.0	0.5	0.0	34.2	126.1	82.4	208.5
1985	0.5	73.5	19.2	0.1	1.9	1.5	0.7	23.4	0.0	0.6	0.0	41.2	139.2	95.0	234.2
1990	0.1	66.7	12.4	(s)	2.7	1.7	1.4	18.2	0.1	1.9	0.0	45.7	132.8	105.8	238.6
1995	2.8	85.8	5.7	0.1	3.6	0.3	0.7	10.3	(s)	1.3	0.0	53.4	153.6	121.2	274.8
1996	2.3	95.0	5.7	0.1	4.8	0.4	0.8	11.8	0.1	1.7	0.0	55.2	166.1	125.6	291.7
1997	3.6	89.7	7.3	(s)	4.2	0.3	0.8	12.7	0.1	1.3	0.0	56.2	163.6	127.4	291.0
1998	3.1	82.2	8.1	0.1	3.8	0.3	1.5	13.6	0.1	1.2	0.0	57.8	158.1	131.0	289.1
1999	3.7	82.6	8.4	(s)	4.5	0.4	1.1	14.4	0.1	1.0	0.0	62.7	164.6	143.5	308.0
2000	4.0	81.9	7.8	0.1	4.2	0.4	1.1	13.6	(s)	1.5	0.0	65.0	166.1	147.9	314.0
2001	4.1	76.7	8.3	0.1	4.0	0.4	1.2	14.1	(s)	1.7	0.0	66.3	163.0	147.7	310.7
2002	2.7	86.3	7.0	0.1	4.7	0.4	2.3	14.6	0.0	1.6	0.0	67.9	173.1	151.3	324.4
2003	3.3	87.9	8.2	0.2	4.4	0.4	2.5	15.7	0.1	1.6	0.0	68.4	177.0	151.0	328.0
2004	3.3	82.5	7.7	0.2	4.3	0.4	1.6	14.2	(s)	1.8	0.0	66.0	167.9	146.1	313.9
2005	7.3	87.2	7.2	0.2	4.1	0.5	1.9	13.8	0.1	R 2.2	0.0	76.8	187.4	167.9	R 355.3
2006	0.6	87.3	5.2	0.1	3.6	0.3	0.5	R 9.7	(s)	R 2.0	0.0	77.6	177.3	167.9	R 345.2
2007	1.1	90.2	5.9	0.1	3.8	0.3	0.2	10.1	(s)	2.2	0.0	80.2	183.9	172.9	356.8

[a] Includes supplemental gaseous fuels.
[b] Liquefied petroleum gases.
[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 waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 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.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = 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 commercial sector includes commercial combined-heat-andpower (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 available at http://www.eia.doe.gov/emeu/states/_seds.html under "Complete Data Files."
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 10. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2007, Wisconsin

Year	Coal	Natural Gas [a]	Petroleum						Hydro-electric Power [e,f]	Biomass	Geo-thermal [f]	Retail Electricity Sales	Net Energy [f,h]	Electrical System Energy Losses [i]	Total [f,h]
			Distillate Fuel Oil	LPG [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total		Wood and Waste [f,g]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh			Million kWh			
1960	4,710	30	6,950	1,088	2,774	3,416	5,358	19,585	338	– –	– –	4,230	– –	– –	– –
1965	5,789	82	7,654	866	2,541	2,371	4,987	18,419	306	– –	– –	6,153	– –	– –	– –
1970	5,147	141	7,917	1,009	2,471	1,554	7,672	20,623	306	– –	– –	8,570	– –	– –	– –
1975	2,439	152	7,150	1,996	2,027	1,105	5,788	18,065	318	– –	– –	10,823	– –	– –	– –
1980	2,364	130	3,589	2,444	1,633	1,439	5,596	14,701	258	– –	– –	13,290	– –	– –	– –
1985	2,132	115	3,192	1,611	1,137	158	4,511	10,610	258	– –	– –	17,195	– –	– –	– –
1990	1,960	122	4,178	1,619	780	891	6,526	13,994	201	– –	– –	19,405	– –	– –	– –
1995	1,949	146	4,111	2,089	934	699	8,245	16,078	266	– –	– –	23,690	– –	– –	– –
1996	1,678	150	4,721	2,253	921	858	18,633	27,385	272	– –	– –	23,871	– –	– –	– –
1997	1,757	156	4,615	2,077	914	921	20,668	29,194	280	– –	– –	25,103	– –	– –	– –
1998	1,687	142	4,591	1,312	669	674	21,572	28,818	220	– –	– –	26,040	– –	– –	– –
1999	1,651	146	6,962	2,727	753	835	22,086	33,364	246	– –	– –	25,665	– –	– –	– –
2000	1,693	152	8,360	3,332	780	921	21,168	34,562	227	– –	– –	26,162	– –	– –	– –
2001	1,651	133	9,726	2,662	1,186	714	11,107	25,396	152	– –	– –	25,370	– –	– –	– –
2002	1,716	138	8,941	3,462	1,285	679	10,647	25,013	218	– –	– –	25,534	– –	– –	– –
2003	1,723	138	5,037	2,439	1,323	535	11,965	21,298	185	– –	– –	25,821	– –	– –	– –
2004	1,766	141	5,578	3,579	1,679	901	11,999	23,737	195	– –	– –	27,435	– –	– –	– –
2005	1,695	131	5,646	3,549	1,710	1,071	11,583	23,558	203	– –	– –	25,376	– –	– –	– –
2006	1,758	118	5,570	R 3,379	1,938	639	11,216	R 22,741	204	– –	– –	25,286	– –	– –	– –
2007	1,757	121	5,670	3,234	1,677	740	10,496	21,817	179	– –	– –	25,436	– –	– –	– –
			Trillion Btu												
1960	116.6	30.8	40.5	4.4	14.6	21.5	33.3	114.2	3.6	19.3	0.0	14.4	299.0	35.7	334.7
1965	142.4	83.0	44.6	3.5	13.3	14.9	31.0	107.3	3.2	24.2	0.0	21.0	381.1	50.1	431.3
1970	119.6	143.6	46.1	3.8	13.0	9.8	48.2	120.8	3.2	26.1	0.0	29.2	442.6	70.8	513.3
1975	54.7	155.5	41.6	7.4	10.6	6.9	35.9	102.5	3.3	32.9	0.0	36.9	385.9	88.8	474.7
1980	54.6	130.6	20.9	9.0	8.6	9.0	34.7	82.2	2.7	142.1	0.0	45.3	457.4	109.3	566.7
1985	49.7	116.4	18.6	5.8	6.0	1.0	27.0	58.4	2.7	166.5	0.0	58.7	452.4	135.1	587.5
1990	47.3	122.6	24.3	5.9	4.1	5.6	40.6	80.5	2.1	61.3	0.0	66.2	380.1	153.1	533.2
1995	47.2	147.7	23.9	7.6	4.9	4.4	50.8	91.5	2.7	72.0	0.0	80.8	441.9	183.6	625.5
1996	40.1	R 151.5	27.5	8.1	4.8	5.4	106.3	152.1	2.8	79.8	0.0	81.4	507.7	185.2	693.0
1997	42.4	157.4	26.9	7.5	4.8	5.8	119.0	164.0	2.9	84.0	0.0	85.7	536.3	194.1	730.3
1998	41.0	143.5	26.7	4.7	3.5	4.2	125.0	164.2	2.2	76.6	0.0	88.8	516.4	201.5	717.9
1999	40.1	147.4	40.6	9.9	3.9	5.3	127.6	187.2	2.5	81.3	0.0	87.6	R 546.1	200.3	746.3
2000	40.1	153.4	48.7	12.0	4.1	5.8	121.9	192.4	2.3	80.0	0.0	89.3	557.6	203.0	760.6
2001	38.9	134.1	56.7	9.6	6.2	4.5	68.5	145.5	1.6	85.8	0.0	86.6	492.3	192.9	685.2
2002	40.2	138.5	52.1	12.5	6.7	4.3	65.2	140.8	2.2	58.0	0.0	87.1	466.8	194.2	661.0
2003	40.0	138.8	29.3	8.8	6.9	3.4	74.1	122.5	1.9	69.5	0.0	88.1	460.7	194.4	655.1
2004	40.9	141.7	32.5	12.9	8.8	5.7	74.2	134.0	2.0	54.6	0.0	93.6	R 466.9	207.1	674.0
2005	39.1	132.3	32.9	12.8	8.9	6.7	71.6	R 133.0	2.0	65.9	0.0	86.6	458.9	189.4	648.3
2006	39.9	119.7	32.4	R 12.2	10.1	4.0	69.3	R 128.0	2.0	R 70.4	0.0	86.3	R 446.3	186.6	R 632.9
2007	40.0	122.8	33.0	11.6	8.8	4.7	64.6	122.6	1.8	62.3	0.0	86.8	436.3	187.3	623.5

[a] Includes supplemental gaseous fuels.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and 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 waste. Prior to 2001, includes non-biomass waste.
[h] 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.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = 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 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 available at http://www.eia.doe.gov/emeu/states/_seds.html under "Complete Data Files."

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

Table 11. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2007, Wisconsin

Year	Coal	Natural Gas [a]	Petroleum								Fuel Ethanol [d]	Retail Electricity Sales	Net Energy [e,f]	Electrical System Energy Losses [g]	Total [e,f]
			Aviation Gasoline	Distillate Fuel Oil	Jet Fuel	LPG [b]	Lubricants	Motor Gasoline [c]	Residual Fuel Oil	Total					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Barrels	Million Kilowatthours			
1960	81	1	427	1,773	245	23	527	30,056	378	33,430	0	0	– –	– –	– –
1965	19	2	636	2,148	629	36	493	33,446	378	37,765	0	0	– –	– –	– –
1970	8	7	332	4,179	1,603	74	552	42,956	6	49,703	0	0	– –	– –	– –
1975	(s)	5	173	6,064	2,169	93	497	49,469	285	58,751	0	0	– –	– –	– –
1980	0	8	124	8,570	2,397	84	523	47,897	235	59,829	0	0	– –	– –	– –
1985	0	3	102	9,749	1,663	184	476	45,136	138	57,447	27	0	– –	– –	– –
1990	0	4	122	12,388	1,424	118	535	47,890	2	62,478	191	0	– –	– –	– –
1995	0	4	374	14,524	2,044	123	511	54,068	22	71,666	846	(s)	– –	– –	– –
1996	0	4	367	15,179	1,530	106	495	55,313	32	73,023	1,338	(s)	– –	– –	– –
1997	0	5	486	15,625	R 1,950	99	523	54,731	12	R 73,426	1,566	(s)	– –	– –	– –
1998	0	4	454	16,092	R 1,866	176	548	58,019	14	R 77,169	814	(s)	– –	– –	– –
1999	0	4	134	16,622	3,407	52	554	58,138	7	78,912	687	(s)	– –	– –	– –
2000	0	4	112	16,286	3,139	45	545	57,334	7	77,468	769	(s)	– –	– –	– –
2001	0	3	236	16,993	2,590	98	500	57,605	3	78,025	1,951	(s)	– –	– –	– –
2002	0	4	126	16,910	2,293	81	494	58,986	4	78,894	3,116	(s)	– –	– –	– –
2003	0	4	54	15,975	1,336	126	456	59,496	2	77,446	2,580	(s)	– –	– –	– –
2004	0	4	162	18,147	2,641	119	462	59,364	3	80,899	2,440	(s)	– –	– –	– –
2005	0	4	83	17,500	2,858	172	460	59,571	101	80,745	R 3,970	(s)	– –	– –	– –
2006	0	3	71	19,311	2,748	176	448	58,533	131	81,418	R 3,595	(s)	– –	– –	– –
2007	0	3	61	19,125	2,227	160	463	60,542	35	82,614	4,487	(s)	– –	– –	– –
			Trillion Btu												
1960	2.0	0.6	2.2	10.3	1.3	0.1	3.2	157.9	2.4	177.4	0.0	0.0	179.9	0.0	179.9
1965	0.5	1.6	3.2	12.5	3.5	0.1	3.0	175.7	2.4	200.4	0.0	0.0	202.5	0.0	202.5
1970	0.2	6.7	1.7	24.3	9.0	0.3	3.3	225.7	(s)	264.4	0.0	0.0	271.3	0.0	271.3
1975	(s)	5.1	0.9	35.3	12.3	0.3	3.0	259.9	1.8	313.5	0.0	0.0	318.5	0.0	318.5
1980	0.0	8.3	0.6	49.9	13.5	0.3	3.2	251.6	1.5	320.6	0.0	0.0	328.9	0.0	328.9
1985	0.0	2.8	0.5	56.8	9.3	0.7	2.9	237.1	0.9	308.2	0.1	0.0	311.1	0.0	311.1
1990	0.0	4.4	0.6	72.2	8.0	0.4	3.2	251.6	(s)	336.0	0.7	0.0	341.1	0.0	341.1
1995	0.0	4.3	1.9	84.6	11.6	0.4	3.1	282.0	0.1	383.7	3.0	(s)	388.0	(s)	388.0
1996	0.0	4.3	1.9	88.4	8.7	0.4	3.0	288.5	0.2	391.0	4.7	(s)	395.4	(s)	395.4
1997	0.0	4.6	2.5	91.0	11.1	0.4	3.2	285.3	0.1	393.4	5.5	(s)	398.0	(s)	398.0
1998	0.0	4.5	2.3	93.7	10.6	0.6	3.3	302.4	0.1	413.0	2.9	(s)	417.5	(s)	417.5
1999	0.0	4.4	0.7	96.8	19.3	0.2	3.4	303.0	(s)	423.4	2.4	(s)	427.7	(s)	427.7
2000	0.0	4.3	0.6	94.9	17.8	0.2	3.3	298.7	(s)	415.5	2.7	(s)	419.7	(s)	419.7
2001	0.0	3.1	1.2	99.0	14.7	0.4	3.0	300.1	(s)	418.4	6.9	(s)	421.5	(s)	421.5
2002	0.0	4.0	0.6	98.5	13.0	0.3	3.0	307.2	(s)	422.6	11.0	(s)	426.7	(s)	426.7
2003	0.0	3.8	0.3	93.1	7.6	0.5	2.8	309.8	(s)	413.9	9.1	(s)	417.7	(s)	417.8
2004	0.0	3.6	0.8	105.7	15.0	0.4	2.8	309.6	(s)	434.3	8.6	(s)	437.9	(s)	437.9
2005	0.0	3.8	0.4	101.9	16.2	0.6	2.8	310.8	0.6	433.4	R 14.0	(s)	437.3	(s)	437.3
2006	0.0	3.2	0.4	112.5	15.6	0.6	2.7	305.4	0.8	438.0	R 12.7	(s)	441.2	(s)	441.2
2007	0.0	3.0	0.3	111.4	12.6	0.6	2.8	316.0	0.2	443.9	15.9	(s)	446.9	(s)	446.9

[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] Liquefied petroleum gases.

[c] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.

[d] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.

[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] From 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.

– – = 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 available at http://www.eia.doe.gov/emeu/states/_seds.html under "Complete Data Files."

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

Table 12. Electric Power Sector Consumption Estimates, Selected Years, 1960-2007, Wisconsin

Year	Coal	Natural Gas [a]	Petroleum				Nuclear Electric Power	Hydroelectric Power [d]	Biomass	Geothermal [f]	Solar/PV [f,g]	Wind [f]	Electricity Net Imports [h]	Total [f,i]
			Residual Fuel Oil [b]	Distillate Fuel Oil [c]	Petroleum Coke	Total			Wood and Waste [e,f]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours			Million Kilowatthours				
1960	5,195	2	45	5	0	50	0	2,061	– –	0	0	0	0	– –
1965	6,697	14	53	6	0	59	0	1,825	– –	0	0	0	0	– –
1970	10,450	31	1,132	124	240	1,497	157	1,597	– –	0	0	0	0	– –
1975	9,716	20	548	578	37	1,163	10,293	1,719	– –	0	0	0	0	– –
1980	13,229	14	68	499	9	576	9,911	1,857	– –	0	0	0	0	– –
1985	15,876	1	0	251	24	274	10,979	2,288	– –	0	0	(s)	0	– –
1990	18,158	3	0	114	0	114	11,226	1,802	– –	0	0	(s)	0	– –
1995	21,072	10	0	194	144	337	10,970	2,109	– –	0	0	0	0	– –
1996	22,293	7	0	161	133	293	10,121	2,414	– –	0	0	0	163	– –
1997	23,568	16	0	263	178	441	3,916	2,195	– –	0	0	0	878	– –
1998	22,925	24	1	328	181	511	9,397	1,518	– –	0	0	0	807	– –
1999	23,468	21	2	351	201	553	11,495	1,734	– –	0	0	0	399	– –
2000	24,072	21	2	284	192	478	11,512	1,754	– –	0	0	3	0	– –
2001	24,081	22	2	200	198	400	11,507	1,900	– –	0	0	72	0	– –
2002	23,331	21	0	135	231	366	12,449	2,297	– –	0	0	46	0	– –
2003	24,319	24	0	218	284	501	12,215	1,653	– –	0	0	98	1	– –
2004	24,777	21	0	273	856	1,129	11,888	1,783	– –	0	0	104	0	– –
2005	24,615	59	0	286	844	1,130	9,921	1,530	– –	0	0	93	(s)	– –
2006	23,702	44	0	246	1,273	1,519	12,234	1,475	– –	0	0	101	(s)	– –
2007	23,780	54	0	299	1,360	1,660	12,910	1,336	– –	0	0	109	(s)	– –
							Trillion Btu							
1960	125.8	2.1	0.3	(s)	0.0	0.3	0.0	22.2	0.0	0.0	0.0	0.0	0.0	150.4
1965	161.0	14.7	0.3	(s)	0.0	0.4	0.0	19.1	(s)	0.0	0.0	0.0	0.0	195.1
1970	234.6	31.2	7.1	0.7	1.4	9.3	1.7	16.8	0.1	0.0	0.0	0.0	0.0	293.6
1975	206.3	20.3	3.4	3.4	0.2	7.0	113.4	17.9	0.0	0.0	0.0	0.0	0.0	364.8
1980	271.5	13.8	0.4	2.9	0.1	3.4	108.1	19.3	0.6	0.0	0.0	0.0	0.0	416.8
1985	310.3	1.3	0.0	1.5	0.1	1.6	116.6	23.9	0.9	0.0	0.0	(s)	0.0	454.7
1990	347.0	2.7	0.0	0.7	0.0	0.7	118.8	18.7	3.4	0.0	0.0	(s)	0.0	491.4
1995	391.2	10.1	0.0	1.1	0.9	2.0	115.3	21.7	4.9	0.0	0.0	0.0	0.0	545.1
1996	411.9	7.5	0.0	0.9	0.8	1.7	106.3	25.0	5.3	0.0	0.0	0.0	0.6	558.2
1997	440.2	16.0	0.0	1.5	1.1	2.6	41.1	22.4	6.0	0.0	0.0	0.0	3.0	531.4
1998	427.6	24.7	(s)	1.9	1.1	3.0	98.6	15.5	6.7	0.0	0.0	0.0	2.8	578.7
1999	436.4	21.6	(s)	2.0	1.2	3.3	120.1	17.7	5.7	0.0	0.0	0.0	1.4	606.2
2000	454.6	21.5	(s)	1.7	1.2	2.8	120.1	17.9	5.2	0.0	0.0	(s)	0.0	622.1
2001	450.5	22.7	(s)	1.2	1.2	2.4	120.2	19.6	4.1	0.0	0.0	0.7	0.0	620.4
2002	448.7	20.0	0.0	0.8	1.4	2.2	130.0	23.4	5.1	0.0	0.0	0.5	0.0	629.7
2003	444.5	23.8	0.0	1.3	1.7	3.0	127.3	16.9	5.5	0.0	0.0	1.0	(s)	621.9
2004	454.6	21.2	0.0	1.6	5.2	6.7	124.0	17.9	7.8	0.0	0.0	1.0	0.0	633.3
2005	475.5	59.2	0.0	1.7	5.1	6.8	103.5	15.3	6.7	0.0	0.0	0.9	(s)	667.9
2006	422.1	44.5	0.0	1.4	7.7	9.1	127.6	14.6	8.1	0.0	0.0	1.0	(s)	627.1
2007	423.6	55.1	0.0	1.7	8.2	9.9	135.4	13.2	8.8	0.0	0.0	1.1	(s)	647.1

[a] Includes supplemental gaseous fuels.
[b] 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.
[c] 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.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and 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.
[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.

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 available at http://www.eia.doe.gov/emeu/states/_seds.html under "Complete Data Files."

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