

**Table 7. Energy Consumption Estimates by Source, Selected Years, 1960-2006, Wisconsin**

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum											Nuclear Electric Power	Hydro-electric Power <sup>i</sup>	Bio-mass <sup>a,g</sup>	Other <sup>a,h</sup>	Net Interstate Flow of Electricity/Losses <sup>j</sup>	Total <sup>j</sup>
			Asphalt & Road Oil <sup>a</sup>	Aviation Gasoline <sup>a</sup>	Distillate Fuel Oil <sup>a</sup>	Jet Fuel <sup>a</sup>	Kero-sene <sup>a</sup>	LPG <sup>a,c</sup>	Lubri-cants <sup>a</sup>	Motor Gasoline <sup>d</sup>	Residual Fuel Oil <sup>a</sup>	Other <sup>a,e</sup>	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Million kWh					
1960	12,735	91	2,847	427	21,750	245	2,964	4,258	872	33,125	4,394	530	71,412	0	2,399	--	--	--	--
1965	14,528	200	2,806	636	23,508	629	1,249	5,246	898	36,295	3,209	1,240	75,716	0	2,131	--	--	--	--
1970	16,898	338	4,671	332	25,841	1,603	3,002	7,679	992	45,483	2,936	1,539	94,078	157	1,904	--	--	--	--
1975	12,733	365	3,019	173	26,561	2,206	974	8,448	923	51,548	2,106	1,979	97,936	10,293	2,037	--	--	--	--
1980	15,644	352	3,016	124	22,495	2,397	222	6,036	1,019	49,606	1,772	2,051	88,738	9,911	2,115	--	--	--	--
1985	18,034	308	1,690	102	23,154	1,663	234	5,377	927	46,557	402	2,371	82,478	10,979	2,546	--	--	--	--
1990	20,122	309	3,685	122	24,192	1,424	48	6,664	1,044	48,989	1,109	2,322	89,599	11,226	2,014	--	--	--	--
1995	23,151	381	4,154	374	23,471	2,044	59	8,753	996	55,053	829	3,735	99,467	10,970	2,378	--	--	--	--
1996	24,076	403	4,126	367	24,908	1,530	73	11,139	966	56,313	1,020	14,148	114,590	10,121	2,696	--	--	--	--
1997	25,487	401	5,155	486	24,999	1,949	67	9,935	1,021	55,696	1,065	15,178	115,551	3,916	2,483	--	--	--	--
1998	24,740	368	6,012	454	25,199	1,864	65	8,461	1,069	58,740	923	15,205	117,990	9,397	1,747	--	--	--	--
1999	25,276	381	6,192	134	28,622	3,407	117	11,009	1,080	58,976	1,011	15,520	126,066	11,495	1,985	--	--	--	--
2000	25,928	394	5,783	112	29,301	3,139	111	11,129	1,064	58,194	1,110	15,002	124,943	11,512	1,986	--	--	--	--
2001	25,921	360	5,971	236	31,694	2,590	112	10,094	974	58,870	918	4,810	116,269	11,507	2,056	--	--	--	--
2002	25,174	385	5,267	126	30,051	2,293	74	12,304	963	60,351	1,050	5,111	117,589	12,449	2,515	--	--	--	--
2003	26,197	395	6,645	54	25,586	1,336	79	10,658	890	60,902	930	5,145	112,226	12,215	1,843	--	--	--	--
2004	26,696	383	6,598	162	28,240	2,641	104	11,556	902	61,130	1,154	5,786	118,272	11,888	1,981	--	--	--	--
2005	26,727	410	<sup>R</sup> 6,285	83	27,309	2,858	94	11,337	897	61,367	1,468	5,668	<sup>R</sup> 117,367	9,921	1,740	--	--	--	--
2006	25,488	372	5,881	71	28,387	2,748	73	10,155	874	60,526	851	6,161	115,727	12,234	1,679	--	--	--	--

  

Trillion Btu																			
1960	304.6	93.8	18.9	2.2	126.7	1.3	16.8	17.1	5.3	174.0	27.6	3.1	393.0	0.0	25.8	39.2	0.0	-1.2	855.1
1965	347.9	204.1	18.6	3.2	136.9	3.5	7.1	21.0	5.4	190.7	20.2	6.9	413.5	0.0	22.3	39.4	0.0	4.6	1,031.8
1970	381.6	344.2	31.0	1.7	150.5	9.0	17.0	29.0	6.0	238.9	18.5	8.8	510.5	1.7	20.0	38.3	0.0	-6.8	1,289.5
1975	272.0	372.1	20.0	0.9	154.7	12.5	5.5	31.4	5.6	270.8	13.2	11.2	525.8	113.4	21.2	44.9	0.0	-5.3	1,344.1
1980	327.3	354.7	20.0	0.6	131.0	13.5	1.3	22.2	6.2	260.6	11.1	11.5	478.0	108.1	22.0	165.3	0.0	<sup>R</sup> 12.7	<sup>R</sup> 1,468.0
1985	360.7	311.4	11.2	0.5	134.9	9.3	1.3	19.4	5.6	244.6	2.5	13.1	442.5	116.6	26.6	191.2	(s)	<sup>R</sup> 59.1	<sup>R</sup> 1,508.2
1990	394.5	311.2	24.5	0.6	140.9	8.0	0.3	24.2	6.3	257.3	7.0	13.0	482.1	118.8	21.0	<sup>k</sup> 81.3	<sup>k</sup> 0.3	<sup>R</sup> 64.7	<sup>k</sup> 1,474.5
1995	441.6	385.3	27.6	1.9	136.7	11.6	0.3	31.7	6.0	287.1	5.2	21.0	529.2	115.3	24.5	86.1	0.3	<sup>R</sup> 101.8	<sup>R</sup> 1,684.2
1996	454.6	408.1	27.4	1.9	145.1	8.7	0.4	40.2	5.9	293.7	6.4	76.8	606.4	106.3	27.9	95.1	0.9	<sup>R</sup> 98.0	<sup>R</sup> 1,797.2
1997	486.6	405.0	34.2	2.5	145.6	11.1	0.4	35.9	6.2	290.3	6.7	82.8	615.7	41.1	25.4	96.9	3.3	<sup>R</sup> 138.2	<sup>R</sup> 1,812.2
1998	472.0	372.1	39.9	2.3	146.8	10.6	0.4	30.6	6.5	306.2	5.8	82.9	631.8	98.6	17.8	89.4	3.1	<sup>R</sup> 113.2	<sup>R</sup> 1,798.1
1999	480.7	385.1	41.1	0.7	166.7	19.3	0.7	39.8	6.5	307.3	6.4	84.3	672.8	120.1	20.3	93.1	1.7	<sup>R</sup> 106.6	<sup>R</sup> 1,880.5
2000	499.2	397.6	38.4	0.6	170.7	17.8	0.6	40.1	6.5	303.2	7.0	81.2	666.0	120.1	20.3	92.3	0.4	<sup>R</sup> 105.8	<sup>R</sup> 1,901.5
2001	494.0	363.0	39.6	1.2	184.6	14.7	0.6	36.5	5.9	306.7	5.8	26.9	622.5	120.2	21.2	99.0	1.1	<sup>R</sup> 98.0	<sup>R</sup> 1,819.2
2002	492.0	386.9	34.9	0.6	175.0	13.0	0.4	44.5	5.8	314.3	6.6	28.6	623.9	130.0	25.6	72.2	0.8	<sup>R</sup> 108.4	<sup>R</sup> 1,839.7
2003	488.2	397.5	44.1	0.3	149.0	7.6	0.4	38.7	5.4	317.1	5.8	28.9	597.4	127.3	18.9	84.5	1.4	<sup>R</sup> 113.8	<sup>R</sup> 1,828.9
2004	499.2	384.8	43.8	0.8	164.5	15.0	0.6	41.8	5.5	318.8	7.3	32.7	630.7	124.0	19.9	72.4	1.4	<sup>R</sup> 111.8	<sup>R</sup> 1,844.1
2005	522.5	415.6	<sup>R</sup> 41.7	0.4	159.1	16.2	0.5	41.0	5.4	320.2	9.2	32.1	<sup>R</sup> 625.9	<sup>R</sup> 103.5	17.4	83.2	1.3	<sup>R</sup> 97.0	<sup>R</sup> 1,866.5
2006	462.7	376.6	39.0	0.4	165.4	15.6	0.4	36.6	5.3	315.8	5.4	35.2	619.1	127.6	16.7	88.1	1.5	126.3	1,818.5

<sup>a</sup> 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.

<sup>b</sup> Physical unit data include supplemental gaseous fuels (SGF) for all years; Btu data exclude SGF for 1980 forward.

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

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

<sup>e</sup> "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in the Technical Notes, Section 4, "Other Petroleum Products."

<sup>f</sup> Conventional hydroelectric power. Includes pumped-storage hydroelectricity, which cannot be separately identified, from 1960 through 1989.

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

<sup>h</sup> "Other" is geothermal, wind, photovoltaic, solar thermal energy, and net imports of electricity.

<sup>i</sup> 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; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

<sup>j</sup> From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column.

<sup>k</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.

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.

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

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

**Table 8. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2006, Wisconsin**

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum				Wood <sup>a</sup>	Geothermal	Solar/PV <sup>d</sup>	Retail Electricity Sales	Net Energy	Electrical System Energy Losses <sup>e</sup>	Total
			Distillate Fuel Oil <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a,c</sup>	Total				Million Kilowatthours			
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords						
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	R 376	--	--	21,575	--	--	--
2003	20	142	2,940	27	6,880	9,847	395	--	--	21,364	--	--	--
2004	R 15	135	2,919	40	6,680	9,639	405	--	--	21,192	--	--	--
2005	R 33	131	2,640	28	6,473	9,141	R 445	--	--	22,458	--	--	--
2006	2	121	2,365	27	5,713	8,104	405	--	--	21,779	--	--	--

  

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	R 111.8	R 363.9
1985	0.1	R 117.3	38.8	1.1	11.0	50.9	23.2	0.0	0.0	55.6	247.3	R 128.1	R 375.4
1990	(s)	114.7	31.4	0.2	15.2	46.7	14.7	f 0.1	f 0.2	55.9	f 232.3	129.3	f 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	R 272.2	145.0	R 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	R 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	R 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	R 155.2	R 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	R 164.1	R 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	R 160.9	R 428.0
2004	0.4	135.8	17.0	0.2	24.2	41.4	8.1	0.2	0.2	72.3	R 258.3	R 160.0	R 418.3
2005	R 0.6	133.0	15.4	0.2	23.4	39.0	R 8.9	R 0.3	0.2	76.6	R 258.5	R 167.6	R 426.1
2006	0.1	121.9	13.8	0.2	20.6	34.5	8.1	0.3	0.2	74.3	239.4	160.7	400.1

<sup>a</sup> 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.

<sup>b</sup> Physical unit data include supplemental gaseous fuels (SGF) for all years; Btu data exclude SGF for 1980 forward.

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

<sup>d</sup> 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 explanation of estimation methodology.

<sup>e</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical

system energy losses.

<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.

-- = Not applicable.

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

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

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

**Table 9. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2006, Wisconsin**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum						Hydro-electric Power <sup>f</sup> Million Kilowatthours	Biomass <sup>a,g</sup>	Geothermal	Retail Electricity Sales	Net Energy	Electrical System Energy Losses <sup>h</sup>	Total <sup>i,j</sup>
			Distillate Fuel Oil <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a,c</sup>	Motor Gasoline <sup>d</sup>	Residual Fuel Oil <sup>a</sup>	Total <sup>e</sup>				Million Kilowatthours			
			Thousand Barrels												
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	<sup>k</sup> 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	<sup>R</sup> 137	82	1,323	32	1,179	86	250	2,869	2	--	--	19,349	--	--	--
2005	<sup>R</sup> 384	86	1,238	30	1,142	86	296	2,793	7	--	--	22,501	--	--	--
2006	27	86	895	25	1,008	56	81	2,065	(s)	--	--	22,756	--	--	--
<b>Trillion Btu</b>															
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	<sup>k</sup> 0.1	<sup>k</sup> 1.9	<sup>k</sup> 0.0	45.7	<sup>k</sup> 132.8	105.8	<sup>k</sup> 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	<sup>R</sup> 131.0	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 314.0
2001	4.1	76.7	8.3	0.1	4.0	0.4	1.2	14.1	(s)	<sup>R</sup> 1.7	0.0	66.3	<sup>R</sup> 163.0	<sup>R</sup> 147.7	<sup>R</sup> 310.7
2002	2.7	86.3	7.0	0.1	4.7	0.4	2.3	14.6	0.0	<sup>R</sup> 1.6	0.0	67.9	<sup>R</sup> 173.1	<sup>R</sup> 151.3	<sup>R</sup> 324.4
2003	3.3	87.9	8.2	0.2	4.4	0.4	2.5	15.7	0.1	<sup>R</sup> 1.6	0.0	68.4	<sup>R</sup> 177.0	<sup>R</sup> 151.0	<sup>R</sup> 328.0
2004	3.3	82.5	7.7	0.2	4.3	0.4	1.6	14.2	(s)	<sup>R</sup> 1.8	0.0	66.0	<sup>R</sup> 167.9	<sup>R</sup> 146.1	<sup>R</sup> 313.9
2005	<sup>R</sup> 7.3	87.2	7.2	0.2	4.1	0.5	1.9	13.8	0.1	<sup>R</sup> 1.7	0.0	76.8	<sup>R</sup> 186.9	<sup>R</sup> 167.9	<sup>R</sup> 354.8
2006	0.6	87.3	5.2	0.1	3.6	0.3	0.5	9.8	(s)	1.6	0.0	77.6	176.9	167.9	344.8

<sup>a</sup> 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.  
<sup>b</sup> Physical unit data include supplemental gaseous fuels (SGF) for all years; Btu data exclude SGF for 1980 forward.  
<sup>c</sup> Liquefied petroleum gases.  
<sup>d</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>e</sup> Includes small amounts of petroleum coke not shown separately.  
<sup>f</sup> Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.  
<sup>g</sup> Wood and waste. Prior to 2001, includes non-biomass waste.  
<sup>h</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>i</sup> Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.  
<sup>j</sup> From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column.  
<sup>k</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.  
 -- = Not applicable.  
 Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.  
 Note: Totals may not equal sum of components due to independent rounding.  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 10. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2006, Wisconsin**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum									Hydro-electric Power <sup>f</sup> Million kWh	Biomass <sup>a,g</sup>	Geo-thermal	Retail Electricity Sales	Net Energy	Electrical System Energy Losses <sup>h</sup>	Total <sup>i</sup>
			Asphalt and Road Oil <sup>a</sup>	Distillate Fuel Oil <sup>a</sup>	Kero-sene <sup>a</sup>	LPG <sup>a,c</sup>	Lubri-cants <sup>a</sup>	Motor Gasoline <sup>d</sup>	Residual Fuel Oil <sup>a</sup>	Other <sup>a,e</sup>	Total				Million kWh			
			Thousand Barrels															
1960	4,710	30	2,847	6,950	1,636	1,088	345	2,774	3,416	530	19,585	338	--	--	4,230	--	--	--
1965	5,789	82	2,806	7,654	535	866	405	2,541	2,371	1,240	18,419	306	--	--	6,153	--	--	--
1970	5,147	141	4,671	7,917	1,262	1,009	440	2,471	1,554	1,299	20,623	306	--	--	8,570	--	--	--
1975	2,439	152	3,019	7,150	401	1,996	426	2,027	1,105	1,942	18,065	318	--	--	10,823	--	--	--
1980	2,364	130	3,016	3,589	41	2,444	497	1,633	1,439	2,043	14,701	258	--	--	13,290	--	--	--
1985	2,132	115	1,690	3,192	21	1,611	452	1,137	158	2,348	10,610	258	--	--	17,195	--	--	--
1990	1,960	122	3,685	4,178	11	1,619	508	780	891	2,322	13,994	201	--	--	19,405	--	--	--
1995	1,949	146	4,154	4,111	15	2,089	485	934	699	3,591	16,078	266	--	--	23,690	--	--	--
1996	1,678	150	4,126	4,721	20	2,253	471	921	858	14,016	27,385	272	--	--	23,871	--	--	--
1997	1,757	156	5,155	4,615	15	2,077	497	914	921	15,000	29,194	280	--	--	25,103	--	--	--
1998	1,687	142	6,012	4,591	16	1,312	521	669	674	15,023	28,818	220	--	--	26,040	--	--	--
1999	1,651	146	6,192	6,962	49	2,727	526	753	835	15,319	33,364	246	--	--	25,665	--	--	--
2000	1,693	152	5,783	8,360	57	3,332	518	780	921	14,810	34,562	227	--	--	26,162	--	--	--
2001	1,651	133	5,971	9,726	50	2,662	475	1,186	714	4,612	25,396	152	--	--	25,370	--	--	--
2002	1,716	138	5,267	8,941	31	3,462	469	1,285	679	4,880	25,013	218	--	--	25,534	--	--	--
2003	1,723	138	6,645	5,037	25	2,439	434	1,323	535	4,862	21,298	185	--	--	25,821	--	--	--
2004	1,766	141	6,598	5,578	32	3,579	439	1,679	901	4,930	23,737	195	--	--	27,435	--	--	--
2005	1,695	131	<sup>R</sup> 6,285	5,646	36	3,549	437	1,710	1,071	4,825	<sup>R</sup> 23,558	203	--	--	25,376	--	--	--
2006	1,758	118	5,881	5,570	22	3,259	426	1,938	639	4,887	22,622	204	--	--	25,286	--	--	--

  

Trillion Btu																		
1960	116.6	30.8	18.9	40.5	9.3	4.4	2.1	14.6	21.5	3.1	114.2	3.6	19.3	0.0	14.4	299.0	35.7	334.7
1965	142.4	83.0	18.6	44.6	3.0	3.5	2.5	13.3	14.9	6.9	107.3	3.2	24.2	0.0	21.0	381.1	50.1	431.3
1970	119.6	143.6	31.0	46.1	7.2	3.8	2.7	13.0	9.8	7.3	120.8	3.2	26.1	0.0	29.2	442.6	70.8	513.3
1975	54.7	155.5	20.0	41.6	2.3	7.4	2.6	10.6	6.9	11.0	102.5	3.3	32.9	0.0	36.9	385.9	88.8	474.7
1980	54.6	130.6	20.0	20.9	0.2	9.0	3.0	8.6	9.0	11.4	82.2	2.7	142.1	0.0	45.3	457.4	109.3	<sup>R</sup> 566.7
1985	49.7	116.4	11.2	18.6	0.1	5.8	2.7	6.0	1.0	12.9	58.4	2.7	166.5	0.0	58.7	452.4	<sup>R</sup> 135.1	587.5
1990	47.3	122.6	24.5	24.3	0.1	5.9	3.1	4.1	5.6	13.0	80.5	<sup>j</sup> 2.1	<sup>i</sup> 61.3	<sup>i</sup> 0.0	66.2	<sup>i</sup> 380.1	<sup>R</sup> 153.1	<sup>j</sup> 533.2
1995	47.2	<sup>R</sup> 147.7	27.6	23.9	0.1	7.6	2.9	4.9	4.4	20.2	91.5	2.7	72.0	0.0	80.8	441.9	<sup>R</sup> 183.6	625.5
1996	40.1	<sup>R</sup> 151.4	27.4	27.5	0.1	8.1	2.9	4.8	5.4	76.0	152.1	2.8	79.8	0.0	81.4	507.7	<sup>R</sup> 185.2	693.0
1997	42.4	157.4	34.2	26.9	0.1	7.5	3.0	4.8	5.8	81.7	164.0	2.9	84.0	0.0	85.7	536.3	<sup>R</sup> 194.1	<sup>R</sup> 730.3
1998	41.0	143.5	39.9	26.7	0.1	4.7	3.2	3.5	4.2	81.8	164.2	2.2	76.6	0.0	88.8	516.4	<sup>R</sup> 201.5	717.9
1999	40.1	147.4	41.1	40.6	0.3	9.9	3.2	3.9	5.3	83.1	187.2	2.5	81.3	0.0	87.6	<sup>R</sup> 546.0	<sup>R</sup> 200.3	<sup>R</sup> 746.3
2000	40.1	153.4	38.4	48.7	0.3	12.0	3.1	4.1	5.8	80.0	192.4	2.3	80.0	0.0	89.3	557.6	<sup>R</sup> 203.0	<sup>R</sup> 760.6
2001	38.9	134.1	39.6	56.7	0.3	9.6	2.9	6.2	4.5	25.7	145.5	1.6	<sup>R</sup> 85.8	0.0	86.6	<sup>R</sup> 492.3	<sup>R</sup> 192.9	<sup>R</sup> 685.2
2002	40.2	138.5	34.9	52.1	0.2	12.5	2.8	6.7	4.3	27.2	140.8	2.2	<sup>R</sup> 58.0	0.0	87.1	<sup>R</sup> 466.8	<sup>R</sup> 194.2	<sup>R</sup> 661.0
2003	40.0	138.8	44.1	29.3	0.1	8.8	2.6	6.9	3.4	27.2	122.5	1.9	<sup>R</sup> 69.5	0.0	88.1	<sup>R</sup> 460.7	<sup>R</sup> 194.4	<sup>R</sup> 655.1
2004	40.9	141.7	43.8	32.5	0.2	12.9	2.7	8.8	5.7	27.5	134.0	2.0	<sup>R</sup> 54.6	0.0	93.6	<sup>R</sup> 466.8	<sup>R</sup> 207.1	<sup>R</sup> 674.0
2005	39.1	132.3	<sup>R</sup> 41.7	32.9	0.2	12.8	2.7	8.9	6.7	27.0	<sup>R</sup> 133.0	2.0	<sup>R</sup> 65.9	0.0	86.6	<sup>R</sup> 458.9	<sup>R</sup> 189.4	<sup>R</sup> 648.3
2006	39.9	119.7	39.0	32.4	0.1	11.7	2.6	10.1	4.0	27.6	127.6	2.0	70.3	0.0	86.3	445.8	186.6	632.4

<sup>a</sup> 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.  
<sup>b</sup> Physical unit data include supplemental gaseous fuels (SGF) for all years; Btu data exclude SGF for 1980 forward.  
<sup>c</sup> Liquefied petroleum gases.  
<sup>d</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>e</sup> "Other" is the subtotal of 16 petroleum products. See a full description in the Technical Notes, Section 4, "Other Petroleum Products."  
<sup>f</sup> Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.  
<sup>g</sup> Wood and waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.  
<sup>i</sup> From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column.  
<sup>j</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.  
kWh = Kilowatthours. --- = Not applicable.  
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu less than 0.05.  
Note: Totals may not equal sum of components due to independent rounding.  
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 11. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2006, Wisconsin**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum								Fuel Ethanol <sup>d</sup> Thousand Barrels	Retail Electricity Sales Million Kilowatthours	Net Energy	Electrical System Energy Losses <sup>e</sup>	Total <sup>d</sup>
			Aviation Gasoline <sup>a</sup>	Distillate Fuel Oil <sup>a</sup>	Jet Fuel <sup>a</sup>	LPG <sup>a,c</sup>	Lubricants <sup>a</sup>	Motor Gasoline <sup>d</sup>	Residual Fuel Oil <sup>a</sup>	Total					
			Thousand Barrels												
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	<sup>f</sup> R 27	0	--	--	--
1990	0	4	122	12,388	1,424	118	535	47,890	2	62,478	R 191	0	--	--	--
1995	0	4	374	14,524	2,044	123	511	54,068	22	71,666	R 846	(s)	--	--	--
1996	0	4	367	15,179	1,530	106	495	55,313	32	73,023	R 1,338	(s)	--	--	--
1997	0	5	486	15,625	1,949	99	523	54,731	12	73,425	R 1,566	(s)	--	--	--
1998	0	4	454	16,092	1,864	176	548	58,019	14	77,167	R 814	(s)	--	--	--
1999	0	4	134	16,622	3,407	52	554	58,138	7	78,912	R 687	(s)	--	--	--
2000	0	4	112	16,286	3,139	45	545	57,334	7	77,468	R 769	(s)	--	--	--
2001	0	3	236	16,993	2,590	98	500	57,605	3	78,025	R 1,951	(s)	--	--	--
2002	0	4	126	16,910	2,293	81	494	58,986	4	78,894	R 3,116	(s)	--	--	--
2003	0	4	54	15,975	1,336	126	456	59,496	2	77,446	R 2,580	(s)	--	--	--
2004	0	4	162	18,147	2,641	119	462	59,364	3	80,899	R 2,440	(s)	--	--	--
2005	0	4	83	17,500	2,858	172	460	59,571	101	80,745	R 2,945	(s)	--	--	--
2006	0	3	71	19,311	2,748	176	448	58,533	131	81,418	3,106	(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	<sup>f</sup> 0.1	0.0	<sup>f</sup> 311.1	0.0	<sup>f</sup> 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	<sup>R</sup> 341.1	0.0	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 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	<sup>R</sup> 10.4	(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	11.0	(s)	441.2	(s)	441.2

<sup>a</sup> 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.  
<sup>b</sup> Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also natural gas consumed as vehicle fuel.  
<sup>c</sup> Liquefied petroleum gases.  
<sup>d</sup> Beginning in 1993, fuel ethanol blended into motor gasoline is included in motor gasoline. Fuel ethanol is also shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total.  
<sup>e</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical

system energy losses.  
<sup>f</sup> There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.  
 -- = Not applicable.  
 Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.  
 Note: Totals may not equal sum of components due to independent rounding.  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 12. Electric Power Sector Consumption Estimates, Selected Years, 1960-2006, Wisconsin**

Year	Coal Thousand Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum				Nuclear Electric Power	Hydroelectric Power <sup>e</sup>	Biomass <sup>f</sup>	Geothermal	Solar/PV <sup>g</sup>	Wind	Electricity Net Imports <sup>h</sup>	Total
			Residual Fuel Oil <sup>b,c</sup>	Distillate Fuel Oil <sup>b,d</sup>	Petroleum Coke <sup>b</sup>	Total								
			Thousand Barrels											
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	--	i	0	i	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)	--

  

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	i	3.4	i	0.0	i	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	R	4.1	0.0	0.0	0.7	R	620.4		
2002	448.7	20.0	0.0	0.8	1.4	2.2	130.0	23.4	R	5.1	0.0	0.0	0.5	R	629.7		
2003	444.5	23.8	0.0	1.3	1.7	3.0	127.3	16.9	R	5.5	0.0	0.0	1.0	(s)	R	621.9	
2004	454.6	21.2	0.0	1.6	5.2	6.7	124.0	17.9	R	7.8	0.0	0.0	1.0	0.0	R	633.3	
2005	475.5	59.2	0.0	1.7	5.1	6.8	R	103.5	15.3	R	6.7	0.0	0.0	0.9	(s)	R	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			

<sup>a</sup> Physical unit data include supplemental gaseous fuels (SGF) for all years; Btu data exclude SGF for 1980 forward.  
<sup>b</sup> 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.  
<sup>c</sup> 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.  
<sup>d</sup> 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.  
<sup>e</sup> Conventional hydroelectric power. Includes pumped-storage hydroelectricity, which cannot be separately identified, from 1960 through 1989.

<sup>f</sup> Wood and waste. Prior to 2001, includes non-biomass waste.  
<sup>g</sup> Solar thermal and photovoltaic energy.  
<sup>h</sup> Electricity traded with Canada and Mexico.  
<sup>i</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.  
 -- = 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.  
 Note: Totals may not equal sum of components due to independent rounding.  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.