

W I S C O N S I N Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Wisconsin
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)		
	Coal	Natural gas excluding supplemental gaseous fuels ^a	Distillate fuel oil excluding biofuels ^a	Petroleum					Total	Total	Natural gas including supplemental gaseous fuels ^a	Distillate fuel oil including biofuels ^a	Motor gasoline including fuel ethanol ^a
				HGL ^b	Jet fuel ^c	Motor gasoline excluding fuel ethanol ^a	Residual fuel oil	Other ^d					
1960	304.6	93.8	126.7	16.3	1.3	174.0	27.6	46.2	392.2	790.6	93.8	126.7	174.0
1965	347.9	204.1	136.9	20.1	3.5	190.7	20.2	40.9	412.3	964.3	204.1	136.9	190.7
1970	381.6	344.2	150.5	29.3	9.0	238.9	18.5	63.9	510.1	1,235.9	344.2	150.5	238.9
1971	337.3	354.7	154.6	30.3	10.6	245.9	13.6	58.6	513.5	1,205.5	354.7	154.6	245.9
1972	333.6	326.9	156.3	33.4	11.4	260.7	15.2	55.3	532.3	1,192.8	326.9	156.3	260.7
1973	310.7	373.5	159.8	33.2	12.9	269.2	15.8	59.8	550.6	1,234.8	373.5	159.8	269.2
1974	278.6	386.9	156.8	32.1	12.1	266.3	11.8	48.0	527.2	1,192.7	386.9	156.8	266.3
1975	272.0	372.1	154.7	31.8	12.5	270.8	13.2	41.3	524.3	1,168.5	372.1	154.7	270.8
1976	304.0	320.5	175.7	35.5	12.7	281.8	20.2	44.2	570.0	1,194.5	320.5	175.7	281.8
1977	307.5	354.4	178.5	39.5	13.0	288.6	22.9	40.0	582.5	1,244.4	354.4	178.5	288.6
1978	296.1	375.3	190.3	33.9	13.4	298.3	23.0	47.0	605.9	1,277.2	375.3	190.3	298.3
1979	321.1	372.3	187.2	25.5	14.6	282.5	15.6	39.4	564.8	1,258.1	372.3	187.2	282.5
1980	327.3	354.7	131.0	22.4	13.5	260.6	11.1	36.2	474.9	1,156.9	354.7	131.0	260.6
1981	327.3	327.5	122.1	18.4	12.9	253.4	5.4	27.7	439.9	1,094.7	327.5	122.1	253.4
1982	324.1	315.7	119.5	21.7	11.8	242.9	13.4	28.0	437.3	1,077.1	315.8	119.5	242.9
1983	352.8	301.8	119.2	22.1	10.4	246.0	5.0	28.4	431.1	1,085.7	301.8	119.2	246.0
1984	363.4	307.5	135.7	20.7	9.0	245.0	4.2	26.4	441.0	1,111.9	307.5	135.7	245.0
1985	360.7	311.4	134.9	20.0	9.3	244.6	2.5	26.1	437.4	1,109.5	311.4	134.9	244.6
1986	371.4	281.6	130.5	20.0	8.8	249.1	6.6	27.0	441.9	1,094.9	281.6	130.5	249.1
1987	386.6	281.6	130.2	21.1	8.1	249.5	7.4	30.7	447.0	1,115.1	281.6	130.2	249.5
1988	394.1	319.7	144.6	22.6	7.5	260.1	6.9	37.1	478.8	1,192.6	319.7	144.6	260.1
1989	389.9	332.7	149.2	26.1	7.5	258.1	6.4	39.9	487.3	1,210.0	332.7	149.2	258.1
1990	394.5	311.2	140.9	25.0	8.0	257.3	7.0	40.4	478.6	1,184.3	311.2	140.9	257.3
1991	405.6	333.8	133.2	31.7	7.6	262.1	5.3	38.4	478.3	1,217.8	333.8	133.2	262.1
1992	395.0	334.9	130.0	29.2	9.7	264.1	5.3	38.1	476.4	1,206.3	334.9	130.0	264.1
1993	403.3	352.4	140.2	32.3	10.8	268.1	7.8	41.8	501.0	1,256.7	352.4	140.2	269.4
1994	424.9	360.4	141.5	33.6	11.1	275.2	8.0	44.8	514.3	1,299.6	360.4	141.5	276.6
1995	441.6	385.3	136.6	32.8	11.6	283.5	5.2	48.8	518.5	1,345.5	385.3	136.6	286.5
1996	454.6	408.1	145.0	41.9	8.7	288.7	6.4	53.0	543.6	1,406.3	408.1	145.0	293.4
1997	486.6	405.0	145.5	37.3	11.1	284.4	6.7	60.6	545.5	1,437.1	405.0	145.5	289.9
1998	472.0	372.1	146.6	32.0	10.6	302.8	5.8	67.6	565.4	1,409.5	372.1	146.6	305.6
1999	480.7	385.1	166.6	41.2	19.3	304.4	6.4	69.6	607.4	1,473.3	385.1	166.6	306.8
2000	499.2	397.6	170.5	41.3	17.8	300.0	7.0	63.5	600.1	1,496.9	397.6	170.5	302.7
2001	494.0	363.0	184.4	37.7	14.7	299.3	5.8	61.9	603.7	1,460.8	363.0	184.4	306.2
2002	492.0	388.0	174.9	45.8	13.0	302.7	6.6	57.9	601.0	1,481.0	388.0	174.9	313.8
2003	488.2	397.9	153.4	40.0	7.6	307.3	5.8	65.8	579.9	1,466.0	397.9	153.4	316.5
2004	499.2	386.0	164.3	42.9	15.0	308.9	7.3	67.6	606.0	1,491.2	386.0	164.3	317.6
2005	522.5	415.6	158.9	42.1	16.2	304.4	9.2	65.8	596.6	1,534.7	415.6	158.9	318.6
2006	462.7	376.6	164.7	37.6	15.6	300.9	5.4	65.7	589.9	1,429.1	376.6	164.7	313.8
2007	465.1	403.9	162.4	38.4	12.6	304.2	5.0	62.0	584.6	1,453.7	403.9	162.4	320.2
2008	480.7	415.1	158.5	36.2	15.0	287.8	4.5	56.5	558.5	1,454.3	415.1	158.5	307.4
2009	425.9	392.5	133.6	33.3	14.1	288.1	1.5	47.9	518.5	1,337.0	392.5	134.7	308.2
2010	458.4	376.6	136.6	32.6	16.2	289.6	0.7	52.7	528.5	1,363.6	376.6	137.4	312.3
2011	447.4	399.2	134.5	33.0	15.6	280.0	0.8	52.6	516.5	1,363.1	399.2	136.5	300.8
2012	373.3	410.3	138.0	27.7	12.5	278.4	0.6	44.6	501.8	1,285.4	410.3	140.2	298.9
2013	454.6	454.1	135.0	36.3	12.6	276.9	0.4	49.2	510.5	1,419.1	454.1	138.9	297.8
2014	417.1	479.4	148.9	39.1	12.5	291.5	0.3	50.8	543.2	1,439.7	479.4	152.8	313.5
2015	408.2	477.0	145.6	35.6	12.9	293.6	0.5	45.9	534.1	1,419.2	477.0	149.7	316.2
2016	357.3	501.0	138.0	32.4	13.4	294.4	0.9	44.9	524.1	1,382.5	501.0	143.4	317.0
2017	388.6	504.8	137.4	31.7	14.0	290.8	1.0	48.1	523.1	1,416.5	504.8	142.3	313.2
2018	362.1	565.3	150.3	37.0	14.9	301.8	1.1	R 43.6	R 548.7	R 1,476.1	565.3	155.2	324.9
2019	280.1	592.5	151.1	44.6	16.0	295.5	0.9	R 39.3	R 547.5	R 1,420.1	592.5	155.7	318.6
2020	249.3	571.8	142.7	39.8	10.0	260.9	1.0	R 38.8	R 493.2	R 1,314.3	571.8	147.5	281.4
2021	286.8	R 561.1	R 152.3	41.3	11.6	283.9	1.0	R 44.4	R 532.5	R 1,380.3	R 561.1	R 154.4	306.1
2022	232.5	621.9	152.5	41.4	11.4	287.3	1.1	42.0	533.6	1,388.0	621.9	154.7	310.0

^a Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable energy."

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c 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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum

products" category. See Technical Notes, Section 4.

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

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 <https://www.eia.gov/state/seds/seds-data-complete.php>.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Wisconsin (continued)
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity ^k	Electricity net imports ^l	Total ^f
		Hydro-electric power ^{e,f}	Biomass						Geo-thermal ^f	Solar ^{f,j}	Wind	Total ^f			
			Wood and waste ^{f,g}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^f							
1960	0.0	R 8.2	39.2	NA	NA	NA	NA	39.2	0.0	NA	NA	R 47.3	R -5.7	0.0	R 832.2
1965	0.0	R 7.3	39.4	NA	NA	NA	NA	39.4	0.0	NA	NA	R 46.7	R -7.4	0.0	R 1,003.6
1970	1.7	R 6.5	38.3	NA	NA	NA	NA	38.3	0.0	NA	NA	R 44.8	R -26.7	0.0	R 1,255.8
1971	37.6	R 7.6	38.4	NA	NA	NA	NA	38.4	0.0	NA	NA	R 46.0	R -31.6	0.0	R 1,257.5
1972	35.5	R 8.2	40.6	NA	NA	NA	NA	40.6	0.0	NA	NA	R 48.8	R -25.1	0.0	R 1,252.1
1973	64.9	R 8.3	42.4	NA	NA	NA	NA	42.4	0.0	NA	NA	R 50.8	R -31.7	0.0	R 1,318.8
1974	92.1	R 6.9	44.5	NA	NA	NA	NA	44.5	0.0	NA	NA	R 51.4	R -34.4	0.0	R 1,301.8
1975	113.4	R 6.9	44.9	NA	NA	NA	NA	44.9	0.0	NA	NA	R 51.8	R -31.6	0.0	R 1,302.0
1976	118.5	R 5.6	52.4	NA	NA	NA	NA	52.4	0.0	NA	NA	R 58.1	R -35.2	0.0	R 1,335.9
1977	117.9	R 6.2	55.5	NA	NA	NA	NA	55.5	0.0	NA	NA	R 61.7	R -15.8	0.0	R 1,408.2
1978	128.2	R 8.1	66.2	NA	NA	NA	NA	66.2	0.0	NA	NA	R 74.3	R -15.3	0.0	R 1,464.4
1979	113.2	R 7.8	69.1	NA	NA	NA	NA	69.1	0.0	NA	NA	R 77.0	R -16.2	0.0	R 1,432.0
1980	108.1	R 7.2	165.3	NA	NA	NA	NA	165.3	0.0	NA	NA	R 172.6	R -10.0	0.0	R 1,427.5
1981	107.2	R 7.3	174.3	0.0	NA	NA	0.0	174.3	0.0	NA	NA	R 181.6	R 2.7	0.0	R 1,386.2
1982	113.7	R 8.3	170.1	(s)	NA	NA	0.0	170.1	0.0	NA	NA	R 178.4	R -6.7	0.0	R 1,362.6
1983	101.4	R 8.7	190.8	(s)	NA	NA	0.0	190.8	0.0	NA	0.0	R 199.5	R -12.3	0.0	R 1,374.3
1984	116.5	R 8.0	191.1	(s)	NA	NA	0.0	191.1	0.0	0.0	(s)	R 199.0	R 13.0	0.0	R 1,440.5
1985	116.6	R 8.7	191.2	0.1	NA	NA	0.0	191.3	0.0	0.0	(s)	R 200.0	R 33.0	0.0	R 1,459.2
1986	118.5	R 8.3	136.5	0.1	NA	NA	0.0	136.6	0.0	0.0	(s)	R 144.8	R 23.7	0.0	R 1,381.9
1987	118.1	R 5.4	136.4	0.1	NA	NA	0.0	136.5	0.0	0.0	(s)	R 141.9	R -6.3	0.0	R 1,368.8
1988	121.5	R 5.1	141.8	0.2	NA	NA	0.0	142.0	0.0	0.0	(s)	R 147.0	R 17.2	0.0	R 1,478.4
1989	114.8	R 5.0	108.0	0.5	NA	NA	0.0	108.5	0.1	0.2	(s)	R 113.8	R 40.3	0.0	R 1,478.8
1990	118.8	R 6.9	81.3	0.7	NA	NA	0.0	82.0	0.1	0.2	(s)	R 89.2	R 76.1	0.0	R 1,468.3
1991	115.2	R 8.6	81.7	1.7	NA	NA	0.0	83.4	0.1	0.2	(s)	R 92.3	R 80.6	0.0	R 1,505.9
1992	117.4	R 8.2	83.8	1.5	NA	NA	0.0	85.2	0.1	0.2	0.0	R 93.7	R 87.7	0.0	R 1,505.1
1993	120.4	R 8.5	78.7	1.2	NA	NA	0.0	79.9	0.1	0.2	0.0	R 88.7	R 101.7	0.0	R 1,567.5
1994	120.4	R 7.6	83.5	1.4	NA	NA	0.0	84.8	0.1	0.2	0.0	R 92.7	R 101.9	0.0	R 1,614.6
1995	115.3	R 8.1	86.1	3.0	NA	NA	0.3	89.4	0.1	0.2	0.0	R 97.8	R 118.5	0.0	R 1,677.0
1996	106.3	R 9.2	95.1	4.7	NA	NA	0.3	100.0	0.1	0.2	0.0	R 109.6	R 113.5	0.6	R 1,736.2
1997	41.1	R 8.5	96.9	5.5	NA	NA	0.2	102.7	0.1	0.2	0.0	R 111.5	R 148.6	3.0	R 1,741.3
1998	98.6	R 6.0	89.4	2.9	NA	NA	0.2	92.5	0.1	0.2	0.0	R 98.8	R 125.0	2.8	R 1,734.6
1999	120.1	R 6.8	93.0	2.4	NA	NA	0.2	95.7	0.1	0.2	0.0	R 102.8	R 127.8	1.4	R 1,825.3
2000	120.1	R 6.8	92.1	2.7	NA	NA	0.2	95.1	0.1	0.2	(s)	R 102.2	R 141.8	0.0	R 1,861.0
2001	120.2	R 7.0	99.0	6.9	(s)	NA	0.2	106.1	0.1	0.2	R 0.2	R 113.7	R 140.5	0.0	R 1,835.2
2002	130.0	R 8.6	72.2	11.1	(s)	NA	1.3	84.5	0.2	0.2	R 0.2	R 93.6	R 164.7	0.0	R 1,869.3
2003	127.3	R 6.3	84.5	9.2	(s)	NA	4.6	98.3	0.2	0.2	R 0.3	R 105.3	R 150.8	(s)	R 1,849.4
2004	124.0	R 6.8	72.4	8.7	0.1	NA	6.3	87.5	0.2	0.2	R 0.4	R 94.9	R 162.5	0.0	R 1,872.7
2005	103.5	R 5.9	102.0	14.2	0.2	NA	10.0	126.4	0.3	0.1	R 0.3	R 133.0	R 169.5	(s)	R 1,940.8
2006	127.7	R 5.7	97.1	12.9	0.7	NA	12.1	122.8	0.3	0.1	R 0.3	R 129.3	R 164.1	(s)	R 1,850.1
2007	135.4	R 5.2	92.4	16.0	1.0	NA	16.1	125.5	0.4	0.2	R 0.4	R 131.5	R 164.6	(s)	R 1,885.2
2008	127.0	R 5.5	93.3	19.6	0.8	NA	24.9	138.7	0.4	0.2	R 1.7	R 146.4	R 146.7	(s)	R 1,874.5
2009	132.7	R 4.8	82.6	20.1	0.9	NA	25.4	129.0	0.5	R 0.2	R 3.6	R 138.1	R 134.1	0.0	R 1,741.8
2010	138.8	R 7.2	104.1	22.7	0.7	NA	26.7	154.2	0.6	R 0.2	R 3.7	R 165.9	R 115.4	0.0	R 1,783.7
2011	121.0	R 7.3	101.8	20.8	2.4	0.0	28.1	153.1	0.6	0.3	R 4.1	R 165.3	R 118.4	0.0	R 1,767.9
2012	149.8	R 5.2	97.9	20.5	2.4	0.0	27.0	147.8	0.6	R 0.3	R 5.3	R 159.2	R 115.8	0.0	R 1,710.3
2013	122.0	R 6.8	102.9	20.9	3.8	0.0	26.4	154.0	0.6	R 0.3	R 5.3	R 167.0	R 96.1	0.0	R 1,804.2
2014	98.8	R 8.4	100.6	22.0	3.8	0.0	29.3	155.7	0.6	R 0.3	R 5.5	R 170.6	R 143.7	0.0	R 1,852.8
2015	104.7	R 8.0	106.7	22.6	3.3	0.0	30.1	162.8	0.6	R 0.3	R 5.4	R 177.1	R 83.0	0.0	R 1,784.1
2016	106.2	R 9.5	101.2	22.6	4.7	0.0	30.9	159.3	0.6	R 0.4	R 5.2	R 175.0	R 101.8	0.0	R 1,765.5
2017	100.9	R 9.1	99.4	22.4	4.0	0.0	31.9	157.7	0.6	R 0.5	R 5.6	R 173.5	R 91.1	0.0	R 1,782.0
2018	105.9	R 8.2	104.3	23.1	3.8	0.0	33.6	164.9	0.6	R 0.6	R 5.6	R 179.9	R 99.3	0.0	R 1,861.2
2019	104.7	R 9.0	101.2	23.1	3.1	0.0	33.3	160.6	0.6	R 0.7	R 6.4	R 177.4	R 109.1	0.0	R 1,811.3
2020	102.1	R 9.5	R 86.4	20.5	3.9	0.0	24.3	R 135.1	0.6	R 1.0	R 6.0	R 152.2	R 96.0	0.0	R 1,664.7
2021	R 104.0	R 7.3	R 81.5	22.2	3.4	0.0	27.8	R 134.9	0.6	R 2.1	R 5.4	R 150.4	R 90.1	0.0	R 1,724.8
2022	105.1	6.8	88.0	22.7	3.4	0.0	28.1	142.3	0.6	3.8	6.2	159.7	115.8	0.0	1,768.6

^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, 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 Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

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

^j Solar thermal and photovoltaic energy.

^k 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.

^l 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.

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 <https://www.eia.gov/state/seds/seds-data-complete.php>.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>