

Wisconsin Energy Use for Electricity Generation

2005-2017 (Trillions of Btu)

Year	Coal	Electric Imports ¹	Hydro	Natural Gas	Nuclear	Petroleum	Renewables including HYDRO	Total
2005	481.71	124.81	5.12	59.38	81.80	1.89	12.13	761.72
2006	464.11	56.00	4.94	44.46	132.13	1.54	13.38	711.62
2007	465.40	86.67	4.48	54.92	139.43	1.88	13.66	761.96
2008	492.59	67.23	4.87	41.71	131.27	1.07	15.74	749.60
2009	441.35	63.50	4.62	41.58	136.98	0.57	18.01	701.98
2010	478.69	44.25	6.92	43.07	143.43	0.51	21.34	731.29
2011	448.01	60.55	6.99	48.40	124.85	0.50	25.85	708.14
2012	377.44	101.18	4.97	88.63	105.66	0.58	26.12	699.62
2013	463.09	54.64	6.39	62.70	107.37	0.41	26.71	714.92
2014	416.08	85.18	8.03	61.70	102.03	0.73	31.16	696.89
2015	422.09	28.71	7.57	105.20	108.09	0.39	30.47	694.96
2016	338.00	42.77	9.01	121.80	109.60	0.41	28.56	641.13
2017	368.30	41.06	8.45	109.20	104.21	0.43	28.64	651.83

Wisconsin End-Use Energy Consumption, by Source

2005-2017 (Trillions of Btu)

Year	Coal	Electricity	Natural Gas	Petroleum	Renewables ²	Total
2005	50.01	240.06	353.68	495.63	106.19	1245.56
2006	51.57	238.30	330.01	490.10	100.96	1210.94
2007	50.50	243.35	347.23	493.58	98.23	1232.89
2008	48.24	239.33	374.31	473.72	103.44	1239.04
2009	43.10	226.24	351.71	448.95	93.25	1163.25
2010	44.34	234.65	332.16	451.92	116.34	1179.41
2011	42.81	234.17	350.71	445.88	107.74	1181.31
2012	36.46	234.88	321.74	433.39	108.58	1135.06
2013	32.27	235.92	387.28	430.19	114.33	1199.98
2014	33.16	237.19	415.08	466.69	108.42	1260.54
2015	26.82	234.47	373.13	461.29	115.97	1211.67
2016	19.40	238.01	376.69	459.24	115.33	1208.67
2017	20.20	235.77	395.76	460.54	112.69	1224.96

¹ Reflects the resource energy assumed to be used in other states or Canada to produce electricity imported into Wisconsin, Negative values indicate out-of-state exports and/or line losses.

² Revised

Source: See Energy Use and Prices, Renewable Energy and Electric Power Generation.

Wisconsin Energy End Use, by Economic Sector 2005-2017 (Trillions of Btu)

Year	Agricultural	Commercial	Industrial	Residential	Transportation	Total
2005	18.18	182.32	345.51	270.65	428.89	1245.56
2006	21.63	179.50	329.54	255.96	424.31	1210.94
2007	23.01	184.73	326.84	269.29	429.03	1232.89
2008	24.61	193.63	322.76	279.83	418.21	1239.04
2009	27.07	181.35	293.51	259.50	402.75	1164.18
2010	23.23	171.77	316.24	249.61	419.36	1180.22
2011	22.13	177.40	315.66	254.30	412.70	1182.19
2012	23.68	165.72	307.53	230.61	406.78	1134.32
2013	24.08	187.96	314.96	274.35	397.75	1199.10
2014	25.78	200.36	319.26	285.99	428.31	1259.70
2015	24.25	184.22	308.90	262.92	429.39	1209.69
2016	25.61	184.28	310.72	259.84	428.22	1208.67
2017	26.13	185.36	321.80	265.67	426.01	1224.97

Summary Table of Energy Use 2017 (Trillions of Btu)

	Agricultural sector (1)	Commercial sector (2)	Industrial sector (3)	Residential sector (4)	Transportation sector (5)	End-Use Consumption (1+2+3+4+5=6)	Fuel Used for Electric Generation (7)	Total Resource Energy Use (6+7)
Natural Gas (a)	2.5	94.1	161.1	136.3	1.8	396	109	505
Nuclear (b)							104	104
Petroleum (c)	20.1	4.8	4.3	34	397.5	460.5	0.4	460.9
Renewable (d)	0	5.3	55.3	24.9	26.8	112	29	141.9
Coal (e)	0	0.5	19.7	0	0	20	368	388
Electricity (f)	3.6	80.7	81.4	70.1		235.7		
Electricity Imports							41.1	41.1
End-Use Consumption (a+b+c+d+e+f)	26.1	185.4	321.8	265.3	426	1224.2		
Fuel used for electric generation³ (g)	9.9	223	225.1	193.8	0		651.5	
Total Resource Energy Use (a+b+c+d+e+g)	32.4	327.8	465.5	388.8	426			1640.9
Approximate Conversion loss (Resource Use minus End-Use)	6.3	142.4	143.7	123.7	0			

³ This is an approximation of fuel used for electric generation by that sector. It is estimated by taking the ratio of electric used by that specific sector to total electricity used by the state times total fuel used by the electric sector. Note that fuel used for electric generation minus the conversion loss is electricity used by each sector.

Source: See PDFs for Wisconsin Renewable Energy Production (2005-2017), Energy Use by Wisconsin Agricultural Sector, Transportation Sector, Commercial sector, Industrial Sector, Residential Sector (2005-2017), Wisconsin Energy Use for Electricity Generation (2005-2017)

