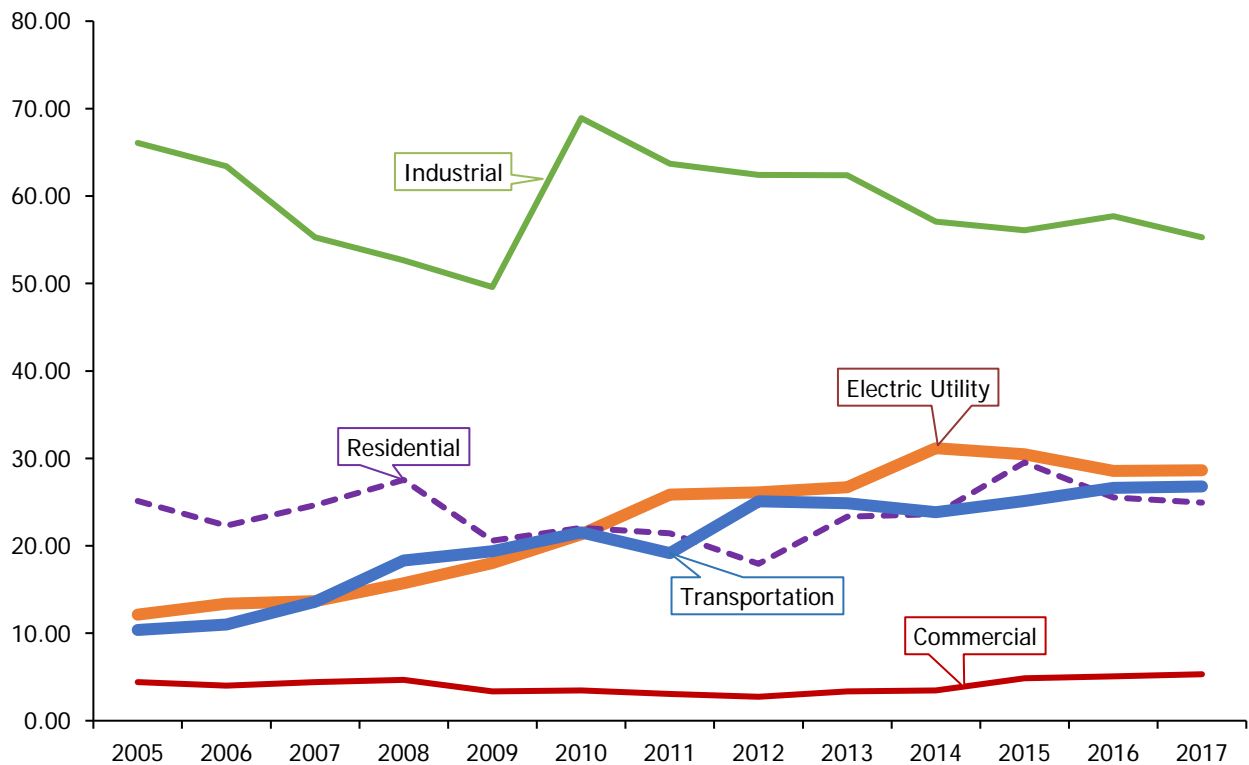


Wisconsin Renewable Energy Production and Use, by Economic Sector 2005-2017 (Trillions of Btu)

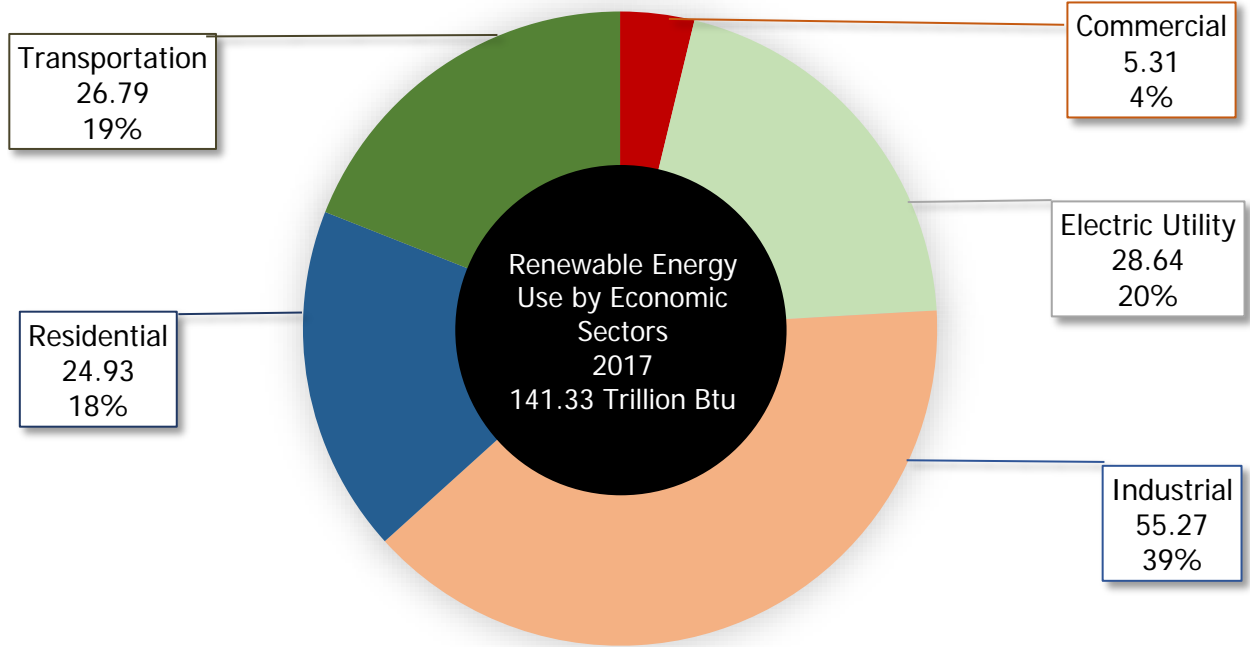
Year	Commercial	Industrial	Residential	Transportation	Total End User	Electric Utility	Total Resource Use
2005	4.42	66.08	25.31	10.38	106.19	12.13	118.32
2006	4.03	63.42	22.51	11.01	100.96	13.38	114.34
2007	4.43	55.28	24.92	13.61	98.23	13.66	111.89
2008	4.67	52.64	27.81	18.31	103.44	15.74	119.17
2009	3.36	49.59	20.91	19.39	93.25	18.01	111.26
2010	3.45	68.91	22.42	21.55	116.34	21.34	137.68
2011	3.07	63.69	21.82	19.17	107.74	25.85	133.59
2012	2.74	62.41	18.32	25.11	108.58	26.12	134.70
2013	3.36	62.37	23.72	24.87	114.33	26.71	141.04
2014	3.48	57.07	24.02	23.85	108.42	31.16	139.59
2015	4.84	56.10	29.91	25.11	115.97	30.47	146.44
2016	5.09	57.69	25.91	26.63	115.33	28.56	143.89
2017	5.31	55.27	25.31	26.79	112.69	28.64	141.33

Wisconsin Renewable Energy Production and Use, by Economic Sectors
2005-2017 (Trillions of Btu)



Source: Public Service Commission of Wisconsin, Personal Communication and Annual Reports, Investor Owned Utilities, (2005-2017) Unpublished data, U.S. Energy Information Administration, State Energy Data System (SEDS): 1960-2017, Energy Consumption <https://www.eia.gov/state/seds/seds-data-complete.php?sid=WI>, Distributed Energy Resources, Biennial Strategic Energy Assessment 2024: http://apps.psc.wi.gov/vs2015/ERF_view/viewdoc.aspx?docid=341817, Personal Communication with Department of Revenue (2005-2017)

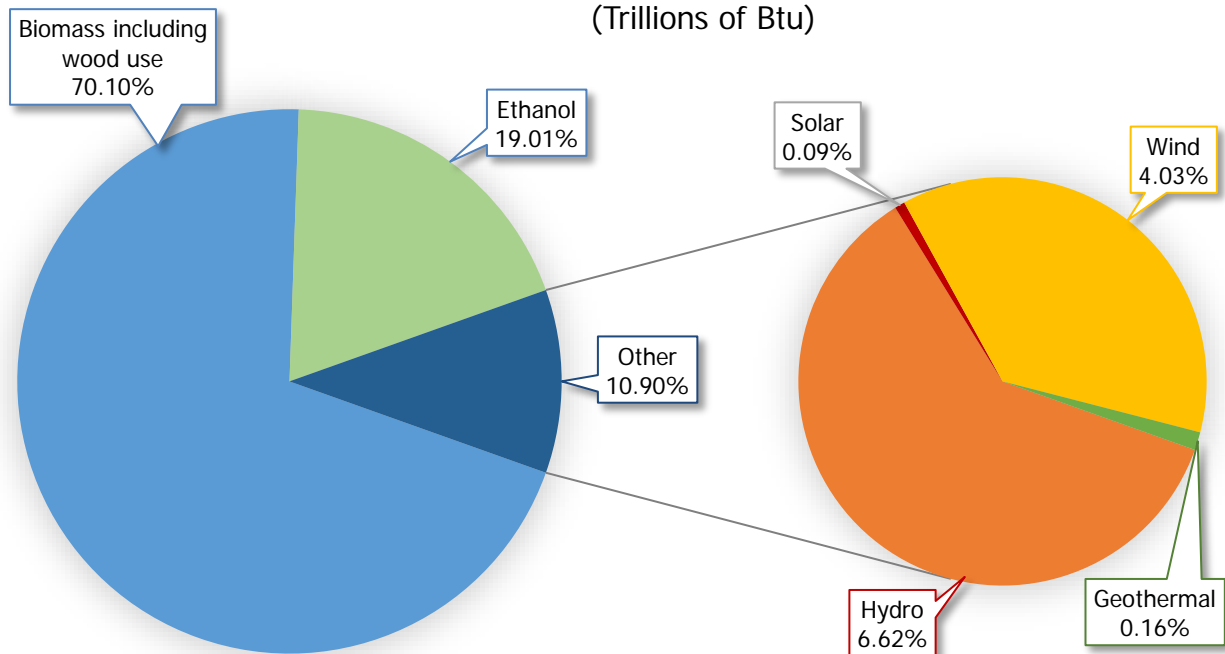
Wisconsin Renewable Energy Production and Use, by Economic Sector
2017 (Trillions of BTU and Percent of Total)



Wisconsin Renewable Energy Production & Use, by Source 2005-2017 (Trillions of Btu)

Year	Biomass Including Wood Use ^{1,2}	Hydro	Solar	Wind	Ethanol ³	Geothermal	Total
2005	102.00	5.31	0.01	0.32	10.38	0.30	118.32
2006	97.10	5.57	0.01	0.35	11.01	0.30	114.34
2007	92.40	5.08	0.02	0.38	13.61	0.40	111.89
2008	93.30	5.48	0.02	1.66	18.31	0.40	119.17
2009	82.60	5.16	0.02	3.59	19.39	0.50	111.26
2010	104.00	7.78	0.03	3.72	21.55	0.60	137.68
2011	101.80	7.94	0.03	4.06	19.17	0.60	133.59
2012	97.90	5.70	0.04	5.36	25.11	0.60	134.70
2013	102.90	7.31	0.03	5.33	24.87	0.60	141.04
2014	100.60	8.97	0.04	5.53	23.85	0.60	139.59
2015	106.70	8.48	0.04	5.51	25.11	0.60	146.44
2016	101.40	9.96	0.05	5.25	26.63	0.60	143.89
2017	98.80	9.33	0.12	5.69	26.79	0.60	141.33

Wisconsin Renewable Energy Use, by Source 2005-2017
(Trillions of Btu)



¹Biogas is produced from the State's landfills and agricultural manure digesters. Wisconsin's statutes and U.S. Energy Information Administration includes biogas in the definition of biomass.

²Wood, wood-derived fuels, and biomass waste.

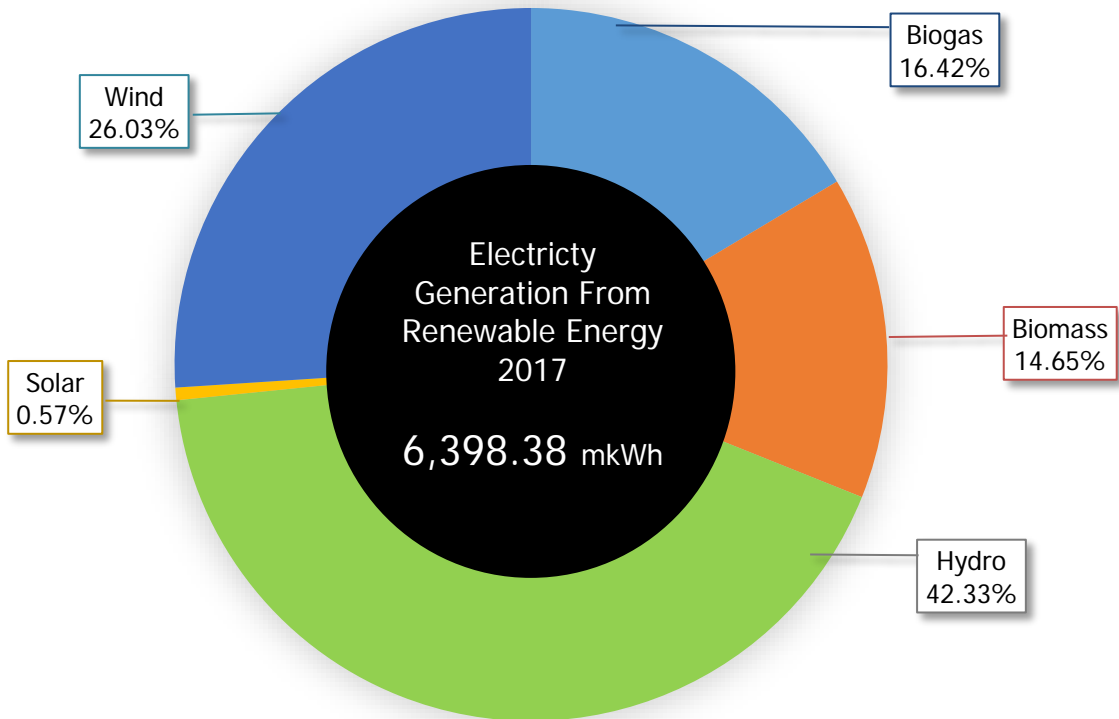
Source: Public Service Commission of Wisconsin, Personal Communication and Annual Reports, Investor Owned Utilities, (2005-2017) Unpublished data, U.S. Energy Information Administration, State Energy Data System (SEDS): 1960-2017, Energy Consumption <https://www.eia.gov/state/seds/seds-data-complete.php?sid=WI>, Distributed Energy Resources, Biennial Strategic Energy Assessment 2024: http://apps.psc.wi.gov/vs2015/ERF_view/viewdoc.aspx?docid=341817, Personal Communication with Department of Revenue (2005-2017)

Wisconsin Electricity Generation from Renewable Energy

2005-2017 Millions of kWh

Year	Biogas	Biomass ⁴	Hydro	Solar	Wind	Total
2005	224.31	148.20	1550.70	0.03	92.60	2015.83
2006	322.18	815.83	1626.94	0.02	101.81	2866.78
2007	412.61	914.42	1483.22	0.03	109.30	2919.59
2008	954.76	698.58	1585.59	4.40	487.35	3730.69
2009	1028.25	1017.23	1460.93	6.04	1050.58	4563.03
2010	1056.41	912.98	2216.93	8.15	1090.96	5285.43
2011	1191.60	1080.33	2258.88	7.37	1188.81	5726.99
2012	1257.96	1053.25	1608.19	10.50	1569.83	5499.72
2013	1213.61	991.70	2069.10	9.88	1561.12	5845.42
2014	1212.38	1108.83	2556.90	11.68	1621.63	6511.43
2015	1198.81	859.24	2431.23	11.64	1615.29	6116.21
2016	1234.46	884.56	2876.34	15.03	1537.76	6548.15
2017	1050.86	937.09	2708.24	36.41	1665.77	6398.38

Electricity Generation from Renewable Energy- 2017



⁴ Revised

Source: Public Service Commission of Wisconsin, Personal Communication and Annual Reports, Investor Owned Utilities, (2005-2017) Unpublished data, U.S. Energy Information Administration, Form EIA-923 detailed data with previous form data (EIA-906/920) <https://www.eia.gov/electricity/data/eia923/>, Distributed Energy Resources, Biennial Strategic Energy Assessment 2024, PSCW http://apps.psc.wi.gov/vs2015/ERF_view/viewdoc.aspx?docid=341817, Personal Communication with Facilities (2011-2017), U.S. Energy Information Administration, State Profile and Energy Estimates (2005-2017) https://www.eia.gov/state/seds/data.php?incfile=/state/seds/sep_use/total/use_tot_WIcb.html&sid=WI

Wisconsin Renewable Energy Electricity Generation, by Type of Fuel, 2005-2017
Millions of kWh

