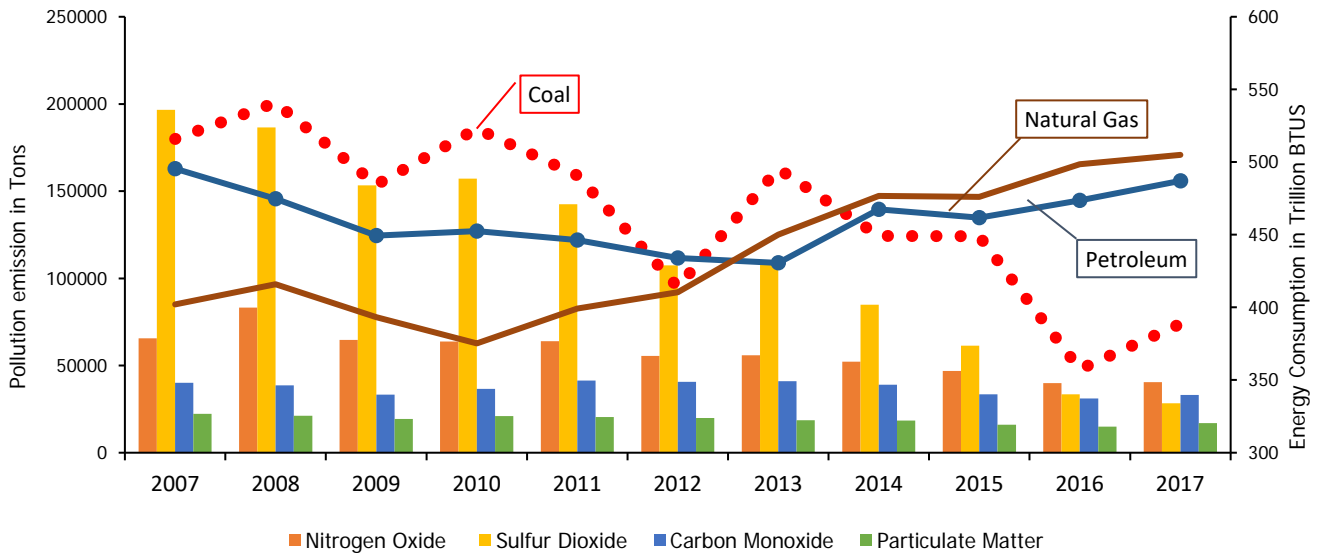


Local Pollution Emission by Major Facilities

Stationary and Portable Source (Tons) 2007-2017

Year	Nitrogen Oxide	Percent of Total	Sulfur Dioxide	Percent of Total	Particulate Matter	Percent of Total	Carbon Monoxide	Percent of Total	Total
2007	65557	20.2%	196554	60.6%	22300	6.9%	40100	12.4%	324511
2008	83219	25.2%	186585	56.6%	21269	6.5%	38590	11.7%	329663
2009	64606	23.9%	153381	56.7%	19331	7.1%	33323	12.3%	270640
2010	63732	22.9%	157172	56.4%	20987	7.5%	36691	13.2%	278582
2011	63897	23.8%	142566	53.1%	20502	7.6%	41343	15.4%	268308
2012	55432	24.8%	107497	48.1%	19996	8.9%	40706	18.2%	223631
2013	55797	24.9%	108981	48.6%	18571	8.3%	41024	18.3%	224373
2014	52163	26.8%	84864	43.7%	18394	9.5%	38978	20.1%	194399
2015	46902	29.7%	61345	38.9%	15980	10.1%	33452	21.2%	157679
2016	39988	33.5%	33400	28.0%	14938	12.5%	31054	26.0%	119381
2017	40542	34.1%	28400	23.9%	16884	14.2%	33045	27.8%	118872

Wisconsin Energy Use and Local Pollutants



- Sulfur dioxide shows the largest reduction.
- Carbon Monoxide has declined in absolute terms but has increased its share in total emission over the years.
- Increasing Petroleum Use explains rising Carbon Monoxide.
- The reduction in total emissions is explained by the reduction in coal use.

Wisconsin Carbon Dioxide Emissions from Fossil Fuel Consumption by Sectors

(2000-2017) Million Metric tons of CO₂

Year	Residential Sector	Commercial Sector	Industrial Sector	Transportation Sector	Electric Power Sector	Total	Emissions reported by Major facilities ¹
2000	10.2	5.6	17.3	29.6	44.7	107.4	47.1
2001	9.8	5.4	16.4	29.5	44.4	105.3	45.7
2002	10.5	5.8	16.6	29.6	44.1	106.5	44.2
2003	10.6	6.1	14.6	29.2	44.0	104.5	46.1
2004	10.2	5.7	15.4	30.5	45.2	107.2	46.6
2005	9.9	6.2	14.9	30.0	49.2	110.3	47.5
2006	8.9	5.3	14.2	30.5	43.5	102.5	44.9
2007	9.4	5.5	14.4	30.6	44.3	104.2	45.1
2008	10.1	6.5	13.8	29.5	44.8	104.7	45.5
2009	9.3	5.8	12.0	28.8	40.0	95.6	41.3
2010	8.6	5.2	12.0	29.3	43.1	97.9	45.5
2011	8.9	5.5	12.4	28.3	42.3	96.9	44.6
2012	7.6	4.7	12.1	28.2	37.4	90.2	39.6
2013	9.7	6.0	13.2	28.0	43.8	100.6	45.9
2014	10.4	6.5	13.8	30.2	40.1	101.9	42.6
2015	8.9	6.0	13.2	29.8	42.0	99.7	44.7
2016	8.7	5.9	12.6	29.5	38.9	95.5	41.2
2017	8.9	6.0	13.3	28.8	41.1	98.2	43.8

¹ Facilities which have reported emissions above a threshold level – 100000 tons for CO₂, NR438 Pollutants <https://dnr.wi.gov/cias/am/amexternal/pollutantsnr438.aspx>
Sources: U.S. Energy Information Administration, Environment (2000-2017) <https://www.eia.gov/environment/emissions/state/>

CO₂ Emissions by Fuels

(2000-2017) Million Metric tons

Year	Coal	<i>Percent of Total</i>	Petroleum	<i>Percent of Total</i>	Natural Gas	<i>Percent of Total</i>	Total	U.S Total
2000	47.5	44.3%	38.9	36.2%	21.0	19.6%	107.4	5867.2
2001	47.0	44.7%	39.1	37.1%	19.2	18.2%	105.3	5765.3
2002	46.9	44.1%	39.1	36.7%	20.5	19.3%	106.5	5809.9
2003	46.6	44.6%	36.9	35.3%	21.1	20.1%	104.6	5860.5
2004	47.7	44.6%	38.9	36.3%	20.4	19.1%	107.0	5979.5
2005	49.9	45.3%	38.4	34.8%	22.0	19.9%	110.3	5999.8
2006	44.2	43.1%	38.3	37.4%	19.9	19.5%	102.4	5914.5
2007	44.4	42.6%	38.4	36.9%	21.4	20.5%	104.2	6003.9
2008	45.9	43.8%	36.8	35.1%	22.0	21.0%	104.6	5817.3
2009	40.7	42.5%	34.2	35.8%	20.8	21.7%	95.7	5392.7
2010	43.8	44.6%	34.4	35.1%	19.9	20.3%	98.1	5585.6
2011	42.7	43.9%	33.4	34.3%	21.1	21.7%	97.2	5446.8
2012	35.6	39.6%	32.7	36.3%	21.7	24.1%	90.0	5230.1
2013	43.4	43.1%	33.2	33.0%	24.0	23.9%	100.6	5357.1
2014	39.8	39.4%	35.7	35.4%	25.4	25.2%	100.9	5414.4
2015	39.0	39.1%	35.5	35.6%	25.3	25.3%	99.7	5264.0
2016	34.1	35.7%	34.9	36.5%	26.5	27.8%	95.5	5171.6
2017	37.1	37.8%	34.4	35.0%	26.7	27.2%	98.2	5130.9

Other Wisconsin Environmental-Economic Indicators

2000-2017

Year	CO2 tons per capita by major facilities ²	CO2 tons per capita Wisconsin	Major facilities CO2 (Tons)/ GDP current Dollars	Wisconsin CO2 (Tons)/ GDP current Dollars
2000	8.76	19.99	260.69	595.13
2001	8.45	19.48	243.03	560.43
2002	8.11	19.56	226.66	546.74
2003	8.42	19.09	227.08	515.02
2004	8.44	19.40	216.40	497.26
2005	8.56	19.89	210.28	488.64
2006	8.05	18.36	190.43	434.55
2007	8.04	18.57	185.03	427.46
2008	8.06	18.55	185.86	427.53
2009	7.28	16.88	168.07	389.68
2010	8.00	17.24	179.03	385.64
2011	7.82	17.04	169.08	368.43
2012	6.92	15.74	144.35	328.14
2013	8.00	17.54	162.57	356.35
2014	7.40	17.54	145.07	343.82
2015	7.75	17.31	146.48	327.06
2016	7.15	16.54	132.15	305.96
2017	7.56	16.96	136.18	305.42

² Facilities which have reported emissions above a threshold level - 100000 tons for CO2, NR438 Pollutants <https://dnr.wi.gov/cias/am/amexternal/pollutantsnr438.aspx>