

Coal-based Power: Air Emissions, Generation & Consumption Trends, 1970-2021



Year	Coal Plant SO ² Emissions (million short tons)	Coal Plant NO ^x Emissions (million short tons)	Coal Energy Consumption CO ² Emissions (million metric tons)	Power Sector Coal Consumption (million short tons)	Net Coal Generation (billion kWh)
1970	15.8	3.9	1,207	320.2	704.4
1975	16.8	4.8	1,181	406.0	852.8
1980	16.1	6.1	1,436	569.3	1,161.6
1985	15.6	5.2	1,638	693.8	1,402.1
1990	15.2	5.6	1,821	782.6	1,594.0
1995	11.6	5.6	1,913	850.2	1,709.4
1996	12.2	5.6	1,995	896.9	1,795.2
1997	12.6	5.6	2,040	921.4	1,845.0
1998	12.5	5.4	2,064	936.6	1,873.5
1999	11.7	4.9	2,062	940.9	1,881.1
2000	10.6	4.6	2,155	985.8	1,966.3
2001	10.0	4.2	2,088	964.4	1,904.0
2002	9.9	4.2	2,095	977.5	1,933.1
2003	10.2	3.9	2,136	1,005.1	1,973.7
2004	9.8	3.6	2,160	1,016.3	1,978.3
2005	9.8	3.4	2,182	1,037.5	2,012.9
2006	9.3	3.3	2,147	1,026.6	1,990.5
2007	8.8	3.1	2,172	1,045.1	2,016.5
2008	7.5	2.9	2,140	1,040.6	1,985.8
2009	5.7	2.0	1,876	933.6	1,755.9
2010	5.2	2.1	1,986	975.1	1,847.3
2011	4.6	2.1	1,876	932.5	1,733.4
2012	3.4	1.8	1,657	823.6	1,514.0
2013	3.2	1.7	1,718	858.0	1,581.1
2014	3.1	1.6	1,713	851.6	1,581.7
2015	2.2	1.3	1,480	738.4	1,352.4
2016	2.0	1.2	1,354	678.6	1,239.1
2017	1.3	1.0	1,316	665.0	1,205.8
2018	1.2	0.9	1,260	637.2	1,146.0
2019 r/	1.0	0.9	1,078	538.6	965.0
2020 r/	0.8	0.7	876	501.4	773.4
2021 r/	0.9	0.8	1,003	501.4	897.9
2022 p/	0.8	0.7	925	467.0	829.0

SOURCES: Environmental Protection Agency, *EPA Air Trends reports (1970-2002)* and EPA preliminary raw plant data (2003-2022) CAMD and AMPD data. Energy Information Administration (coal consumption, generation and CO₂ emissions).

p/ - Preliminary. r/ - Revised.

Updated: March 2023