

**Table 12.7a Emissions From Energy Consumption for Electricity Generation and Useful Thermal Output:
Total (All Sectors), 1989-2006** (Sum of Tables 12.7b and 12.7c)

Year	Carbon Dioxide						Sulfur Dioxide					Nitrogen Oxides				
	Coal ¹	Petroleum ²	Natural Gas ³	MSW ⁴	Geo-thermal ⁵	Total	Coal ¹	Petroleum ²	Natural Gas ³	Other ⁶	Total	Coal ¹	Petroleum ²	Natural Gas ³	Other ⁶	Total
	Million Metric Tons of Carbon Dioxide ⁷						Thousand Short Tons of Sulfur Dioxide					Thousand Short Tons of Nitrogen Oxides				
1989	1,553.9	143.9	217.3	5.5	0.4	1,921.0	15,949	1,085	1	43	17,079	8,026	296	545	102	8,969
1990	1,572.4	118.4	232.7	7.4	.4	1,931.2	15,742	1,033	1	268	17,043	7,847	229	565	134	8,776
1991	1,572.1	110.2	236.9	8.4	.4	1,928.0	15,696	943	1	271	16,912	7,836	213	549	125	8,723
1992	1,596.7	95.7	246.9	9.9	.4	1,949.6	15,499	776	1	291	16,568	7,688	175	525	131	8,519
1993	1,666.2	107.1	249.2	10.3	.4	2,033.1	15,259	938	1	299	16,497	7,964	191	523	137	8,815
1994	1,675.7	101.8	274.9	11.1	.4	2,063.9	14,769	875	1	307	15,953	7,722	176	565	136	8,599
1995	1,698.0	76.3	297.1	11.8	.3	2,083.5	12,133	676	2	303	13,113	7,755	135	660	142	8,692
1996	1,788.7	83.2	276.5	12.6	.4	2,161.3	13,034	878	3	312	14,226	6,036	164	578	146	6,924
1997	1,834.9	92.6	291.7	13.2	.4	2,232.7	13,689	949	2	264	14,904	6,050	177	591	153	6,971
1998	1,862.9	122.4	325.8	12.6	.4	2,324.1	12,569	1,065	2	153	13,789	5,800	253	670	152	6,875
1999	1,869.6	114.7	341.4	12.6	.4	2,338.7	12,408	1,054	7	248	13,717	5,294	232	653	140	6,319
2000	1,960.0	107.5	361.7	12.2	.4	2,441.7	11,338	866	3	246	12,453	4,944	193	657	136	5,930
2001	1,895.2	116.1	365.3	12.8	.3	2,389.7	10,918	1,105	2	293	12,318	4,515	324	696	295	5,831
2002	1,912.7	90.2	377.1	14.8	.4	2,395.0	10,787	852	2	353	11,994	4,472	248	689	317	5,725
2003	1,947.2	111.0	343.4	13.8	.4	2,415.7	10,679	791	2	263	11,735	3,976	265	499	256	4,995
2004	1,962.7	114.7	365.2	14.0	.4	2,456.9	10,402	698	2	261	11,364	3,622	248	458	239	4,567
2005	2,001.2	115.9	381.9	14.1	.4	2,513.6	10,471	648	2	277	11,397	3,456	244	422	244	4,366
2006	1,974.1	67.3	403.0	15.0	.4	2,459.8	9,774	471	2	250	10,498	3,303	180	440	264	4,188

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

³ Natural gas, plus a small amount of supplemental gaseous fuels.

⁴ Municipal solid waste (only the estimated plastics portion of municipal solid waste is included) and tire-derived fuel.

⁵ Carbon dioxide in geothermal steam.

⁶ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels; wood and wood-derived fuels; municipal solid waste, landfill gas, sludge waste, tires, agricultural

byproducts, and other biomass; and chemicals, hydrogen, pitch, sulfur, and tar coal.

⁷ Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44.

Notes: • Data are for emissions from energy consumption for electricity generation and useful thermal output. • See "Useful Thermal Output" in Glossary. • Totals may not equal sum of components due to independent rounding.

Web Page: For related information, see <http://www.eia.doe.gov/fuelelectric.html>.

Sources: Tables 12.7b and 12.7c.