

**Table 12.7a Emissions From Energy Consumption for Electricity Generation and Useful Thermal Output:
Total (All Sectors), 1989-2007** (Sum of Tables 12.7b and 12.7c; Thousand Metric Tons of Gas)

Year	Carbon Dioxide ¹						Sulfur Dioxide					Nitrogen Oxides				
	Coal ²	Petroleum ³	Natural Gas ⁴	MSW ⁵	Geo-thermal ⁶	Total	Coal ²	Petroleum ³	Natural Gas ⁴	Other ⁷	Total	Coal ²	Petroleum ³	Natural Gas ⁴	Other ⁷	Total
1989	1,553,863	143,948	217,292	5,531	360	1,920,994	R14,469	R984	1	R39	R15,493	R7,281	R269	R495	R93	R8,136
1990	1,572,389	118,386	232,682	7,411	380	1,931,248	R14,281	R937	1	R243	R15,462	R7,119	R208	R513	R122	R7,961
1991	1,572,149	110,242	236,893	8,358	394	1,928,035	R14,240	R856	1	R246	R15,342	R7,109	R193	R498	R113	R7,913
1992	1,596,666	95,676	246,909	9,948	396	1,949,594	R14,060	R704	1	R264	R15,030	R6,975	R158	R477	R119	R7,728
1993	1,666,152	107,124	249,159	10,293	411	2,033,139	R13,843	R851	1	R271	R14,966	R7,225	R173	R475	R124	R7,997
1994	1,675,705	101,836	274,926	11,054	380	2,063,900	R13,398	R794	1	R279	R14,472	R7,005	R159	R513	R124	R7,801
1995	1,697,952	76,280	297,108	11,844	326	2,083,509	R11,188	R826	2	R298	R12,314	R5,136	R332	R653	R234	R6,355
1996	1,788,663	83,204	276,467	12,568	356	2,161,258	R11,811	R876	R1	R303	R12,991	R5,307	R352	R577	R238	R6,474
1997	1,834,871	92,618	291,673	13,176	370	2,232,709	R12,211	R965	R1	R303	R13,480	R5,322	R326	R619	R233	R6,500
1998	1,862,880	122,422	325,819	12,645	372	2,324,139	R12,012	R1,162	R1	R289	R13,465	R5,123	R395	R700	R241	R6,459
1999	1,869,576	114,722	341,375	12,611	377	2,338,660	R11,453	R1,101	R2	R288	R12,843	R4,687	R391	R632	R245	R5,955
2000	1,960,017	107,464	361,708	12,174	358	2,441,722	R10,729	R933	R2	R300	R11,963	R4,370	R404	R614	R250	R5,638
2001	1,895,181	116,084	365,311	12,821	349	2,389,745	R9,905	R1,002	2	R265	R11,174	R4,096	R294	R631	R268	R5,290
2002	1,912,656	90,208	377,055	14,759	369	2,395,048	R9,786	R773	2	R321	R10,882	R4,057	R225	R625	R287	R5,194
2003	1,947,172	110,955	343,394	13,793	367	2,415,680	R9,688	R717	2	R239	R10,646	R3,607	R240	R453	R232	R4,532
2004	1,962,742	114,653	365,205	13,956	377	2,456,934	R9,437	R633	2	R237	R10,309	R3,286	R225	R416	R217	R4,143
2005	2,001,237	115,944	381,927	14,128	374	2,513,609	R9,499	R588	2	R251	R10,340	R3,135	R221	R383	R222	R3,961
2006	1,974,057	67,326	403,024	15,023	371	2,459,800	R8,867	R427	2	R227	R9,524	R2,996	R164	R399	R240	R3,799
2007	2,002,351	67,112	432,363	14,382	372	2,516,580	8,389	422	4	227	9,042	2,870	157	382	242	3,650

¹ Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44.

² Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

³ Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

⁴ Natural gas, plus a small amount of supplemental gaseous fuels.

⁵ Municipal solid waste (only the estimated plastics portion of municipal solid waste is included) and tire-derived fuel.

⁶ Carbon dioxide in geothermal steam.

⁷ 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.

R=Revised.

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.