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*** Global CO2 Emissions from Fossil-Fuel Burning,      ***
*** Cement Manufacture, and Gas Flaring: 1751-2013    ***
***                                                    ***
*** April 19, 2016                                     ***
***                                                    ***
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All emission estimates are expressed in million metric tons of carbon. To convert these estimates to units of carbon dioxide (CO2), simply multiply these estimates by 3.667.

Per capita emission estimates are expressed in metric tons of carbon. Population estimates were not available to permit calculations of global per capita estimates before 1950. Please note that annual sums were tallied before each element (e.g., Gas) was rounded and reported here so totals may differ slightly from the sum of the elements due to rounding.

Year	Total	Gas	Liquids	Solids	Cement Production	Gas Flaring	Per Capita
1751	3	0	0	3	0	0	
1752	3	0	0	3	0	0	
1753	3	0	0	3	0	0	

1754	3	0	0	3	0	0
1755	3	0	0	3	0	0
1756	3	0	0	3	0	0
1757	3	0	0	3	0	0
1758	3	0	0	3	0	0
1759	3	0	0	3	0	0
1760	3	0	0	3	0	0
1761	3	0	0	3	0	0
1762	3	0	0	3	0	0
1763	3	0	0	3	0	0
1764	3	0	0	3	0	0
1765	3	0	0	3	0	0
1766	3	0	0	3	0	0
1767	3	0	0	3	0	0
1768	3	0	0	3	0	0
1769	3	0	0	3	0	0
1770	3	0	0	3	0	0
1771	4	0	0	4	0	0
1772	4	0	0	4	0	0
1773	4	0	0	4	0	0
1774	4	0	0	4	0	0
1775	4	0	0	4	0	0
1776	4	0	0	4	0	0
1777	4	0	0	4	0	0
1778	4	0	0	4	0	0
1779	4	0	0	4	0	0
1780	4	0	0	4	0	0
1781	5	0	0	5	0	0
1782	5	0	0	5	0	0
1783	5	0	0	5	0	0
1784	5	0	0	5	0	0
1785	5	0	0	5	0	0
1786	5	0	0	5	0	0
1787	5	0	0	5	0	0
1788	5	0	0	5	0	0
1789	5	0	0	5	0	0
1790	5	0	0	5	0	0
1791	6	0	0	6	0	0

1792	6	0	0	6	0	0
1793	6	0	0	6	0	0
1794	6	0	0	6	0	0
1795	6	0	0	6	0	0
1796	6	0	0	6	0	0
1797	7	0	0	7	0	0
1798	7	0	0	7	0	0
1799	7	0	0	7	0	0
1800	8	0	0	8	0	0
1801	8	0	0	8	0	0
1802	10	0	0	10	0	0
1803	9	0	0	9	0	0
1804	9	0	0	9	0	0
1805	9	0	0	9	0	0
1806	10	0	0	10	0	0
1807	10	0	0	10	0	0
1808	10	0	0	10	0	0
1809	10	0	0	10	0	0
1810	10	0	0	10	0	0
1811	11	0	0	11	0	0
1812	11	0	0	11	0	0
1813	11	0	0	11	0	0
1814	11	0	0	11	0	0
1815	12	0	0	12	0	0
1816	13	0	0	13	0	0
1817	14	0	0	14	0	0
1818	14	0	0	14	0	0
1819	14	0	0	14	0	0
1820	14	0	0	14	0	0
1821	14	0	0	14	0	0
1822	15	0	0	15	0	0
1823	16	0	0	16	0	0
1824	16	0	0	16	0	0
1825	17	0	0	17	0	0
1826	17	0	0	17	0	0
1827	18	0	0	18	0	0
1828	18	0	0	18	0	0
1829	18	0	0	18	0	0

1830	24	0	0	24	0	0
1831	23	0	0	23	0	0
1832	23	0	0	23	0	0
1833	24	0	0	24	0	0
1834	24	0	0	24	0	0
1835	25	0	0	25	0	0
1836	29	0	0	29	0	0
1837	29	0	0	29	0	0
1838	30	0	0	30	0	0
1839	31	0	0	31	0	0
1840	33	0	0	33	0	0
1841	34	0	0	34	0	0
1842	36	0	0	36	0	0
1843	37	0	0	37	0	0
1844	39	0	0	39	0	0
1845	43	0	0	43	0	0
1846	43	0	0	43	0	0
1847	46	0	0	46	0	0
1848	47	0	0	47	0	0
1849	50	0	0	50	0	0
1850	54	0	0	54	0	0
1851	54	0	0	54	0	0
1852	57	0	0	57	0	0
1853	59	0	0	59	0	0
1854	69	0	0	69	0	0
1855	71	0	0	71	0	0
1856	76	0	0	76	0	0
1857	77	0	0	77	0	0
1858	78	0	0	78	0	0
1859	83	0	0	83	0	0
1860	91	0	0	91	0	0
1861	95	0	0	95	0	0
1862	97	0	0	96	0	0
1863	104	0	0	103	0	0
1864	112	0	0	112	0	0
1865	119	0	0	119	0	0
1866	122	0	0	122	0	0
1867	130	0	0	130	0	0

1868	135	0	0	134	0	0
1869	142	0	0	142	0	0
1870	147	0	1	146	0	0
1871	156	0	1	156	0	0
1872	173	0	1	173	0	0
1873	184	0	1	183	0	0
1874	174	0	1	173	0	0
1875	188	0	1	187	0	0
1876	191	0	1	190	0	0
1877	194	0	2	192	0	0
1878	196	0	2	194	0	0
1879	210	0	3	207	0	0
1880	236	0	3	233	0	0
1881	243	0	4	239	0	0
1882	256	0	4	252	0	0
1883	272	0	3	269	0	0
1884	275	0	4	271	0	0
1885	277	1	4	273	0	0
1886	281	2	5	275	0	0
1887	295	3	5	287	0	0
1888	327	5	5	317	0	0
1889	327	3	6	318	0	0
1890	356	3	8	345	0	0
1891	372	2	9	360	0	0
1892	374	2	9	363	0	0
1893	370	2	10	358	0	0
1894	383	2	9	372	0	0
1895	406	2	11	393	0	0
1896	419	2	12	405	0	0
1897	440	2	13	425	0	0
1898	465	2	13	449	0	0
1899	507	3	14	491	0	0
1900	534	3	16	515	0	0
1901	552	4	18	531	0	0
1902	566	4	19	543	0	0
1903	617	4	20	593	0	0
1904	624	4	23	597	0	0
1905	663	5	23	636	0	0

1906	707	5	23	680	0	0
1907	784	5	28	750	0	0
1908	750	5	30	714	0	0
1909	785	6	32	747	0	0
1910	819	7	34	778	0	0
1911	836	7	36	792	0	0
1912	879	8	37	834	0	0
1913	943	8	41	895	0	0
1914	850	8	42	800	0	0
1915	838	9	45	784	0	0
1916	901	10	48	842	0	0
1917	955	11	54	891	0	0
1918	936	10	53	873	0	0
1919	806	10	61	735	0	0
1920	932	11	78	843	0	0
1921	803	10	84	709	0	0
1922	845	11	94	740	0	0
1923	970	14	111	845	0	0
1924	963	16	110	836	0	0
1925	975	17	116	842	0	0
1926	983	19	119	846	0	0
1927	1062	21	136	905	0	0
1928	1065	23	143	890	10	0
1929	1145	28	160	947	10	0
1930	1053	28	152	862	10	0
1931	940	25	147	759	8	0
1932	847	24	141	675	7	0
1933	893	25	154	708	7	0
1934	973	28	162	775	8	0
1935	1027	30	176	811	9	0
1936	1130	34	192	893	11	0
1937	1209	38	219	941	11	0
1938	1142	37	214	880	12	0
1939	1192	38	222	918	13	0
1940	1299	42	229	1017	11	0
1941	1334	42	236	1043	12	0
1942	1342	45	222	1063	11	0
1943	1391	50	239	1092	10	0

1944	1383	54	275	1047	7	0	
1945	1160	59	275	820	7	0	
1946	1238	61	292	875	10	0	
1947	1392	67	322	992	12	0	
1948	1469	76	364	1015	14	0	
1949	1419	81	362	960	16	0	
1950	1630	97	423	1070	18	23	0.65
1951	1767	115	479	1129	20	24	0.69
1952	1795	124	504	1119	22	26	0.69
1953	1841	131	533	1125	24	27	0.69
1954	1865	138	557	1116	27	27	0.69
1955	2042	150	625	1208	30	31	0.74
1956	2177	161	679	1273	32	32	0.78
1957	2270	178	714	1309	34	35	0.79
1958	2330	192	731	1336	36	35	0.80
1959	2454	206	789	1382	40	36	0.83
1960	2569	227	849	1410	43	39	0.85
1961	2580	240	904	1349	45	42	0.84
1962	2686	263	980	1351	49	44	0.86
1963	2833	286	1052	1396	51	47	0.89
1964	2995	316	1137	1435	57	51	0.92
1965	3130	337	1219	1460	59	55	0.94
1966	3288	364	1323	1478	63	60	0.97
1967	3393	392	1423	1448	65	66	0.98
1968	3566	424	1551	1448	70	73	1.01
1969	3780	467	1673	1486	74	80	1.05
1970	4053	493	1839	1556	78	87	1.10
1971	4208	530	1947	1559	84	88	1.12
1972	4376	560	2057	1576	89	95	1.14
1973	4614	588	2241	1581	95	110	1.18
1974	4623	597	2245	1579	96	107	1.16
1975	4596	604	2132	1673	95	92	1.13
1976	4864	630	2314	1710	103	108	1.18
1977	5016	650	2398	1756	108	104	1.19
1978	5074	680	2392	1780	116	106	1.18
1979	5357	721	2544	1875	119	98	1.23
1980	5301	737	2422	1935	120	86	1.19
1981	5138	755	2289	1908	121	65	1.14

1982	5094	738	2196	1976	121	64	1.11
1983	5075	739	2176	1977	125	58	1.08
1984	5258	807	2199	2074	128	51	1.10
1985	5417	835	2186	2216	131	49	1.12
1986	5583	830	2293	2277	137	46	1.13
1987	5725	892	2306	2339	143	44	1.14
1988	5936	935	2412	2387	152	50	1.16
1989	6066	982	2459	2428	156	41	1.16
1990	6096	1024	2490	2384	157	40	1.15
1991	6171	1050	2603	2312	161	45	1.14
1992	6110	1084	2500	2323	167	36	1.11
1993	6104	1117	2513	2262	176	37	1.10
1994	6208	1133	2535	2315	186	39	1.10
1995	6344	1152	2559	2398	197	39	1.11
1996	6491	1200	2626	2422	203	40	1.12
1997	6589	1195	2699	2445	209	40	1.12
1998	6571	1225	2758	2343	209	36	1.10
1999	6559	1258	2740	2309	217	35	1.08
2000	6727	1285	2843	2327	226	46	1.10
2001	6886	1312	2845	2445	237	47	1.11
2002	6946	1345	2831	2468	252	49	1.11
2003	7367	1390	2959	2694	276	48	1.16
2004	7735	1435	3044	2904	298	54	1.20
2005	8025	1477	3069	3098	320	60	1.23
2006	8307	1530	3092	3267	356	62	1.26
2007	8488	1561	3098	3382	382	66	1.27
2008	8738	1626	3125	3530	388	69	1.29
2009	8641	1580	3065	3517	415	64	1.26
2010	9137	1700	3129	3795	448	66	1.32
2011	9508	1762	3158	4027	496	64	1.36
2012	9671	1787	3214	4086	520	65	1.36
2013	9776	1806	3216	4131	554	68	1.36