
Contents	CO2 emissions, 1910-1960
<u>Metadata</u>	Information about this file
<u>TotalW</u>	Total CO2 emissions from fossil fuel consumption and cement production, worldwide, 1910-1960, (billions of tonnes)
<u>GasW</u>	CO2 emissions from gas fuel consumption, worldwide, 1910-1960, (billions of tonnes)
<u>LiquidW</u>	CO2 emissions from liquid fuel consumption, worldwide, 1910-1960, (billions of tonnes)
<u>SolidW</u>	CO2 emissions from solid fuel consumption, worldwide, 1910-1960, (billions of tonnes)
<u>TotalWE</u>	Total CO2 emissions from fossil fuel consumption and cement production, West Europe, 1910-1960, (billions of tonnes)
<u>TotalNA</u>	Total CO2 emissions from fossil fuel consumption and cement production, North America, 1910-1960, (billions of tonnes)

<http://www.dannydorling.org/>

Metadata

These reference tables contain statistics of the carbon dioxide emissions from the fuel and industries between 1910 and 1960. The emissions are broken down into different types of fuels, and then are broken down by region. The graph beside each table shows the total amount of emission in that year, and the absolute change over time. The x-axis is the absolute change while the y-axis is the total amount. Each circle represents a certain year.

It is obvious that the Second World War has slowed down the growth in all the emissions.

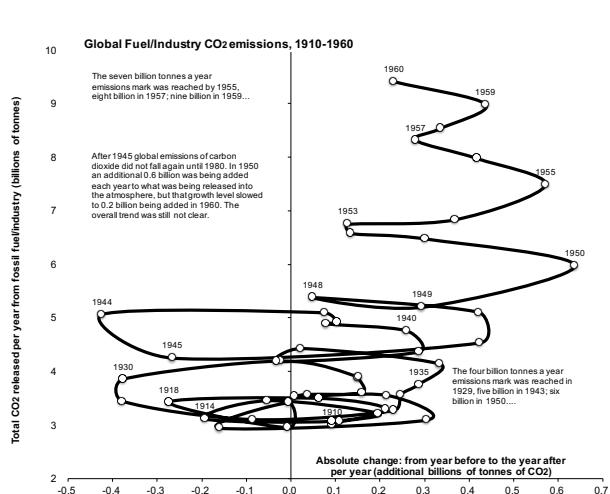
[Contents](#)

Total CO₂ emissions from fossil fuel consumption and cement production, worldwide, 1910-1960, (billions of tonnes)

Source: Boden, T. A., Marland, G., and Andres, R. J.: Global, Regional, and National Fossil-Fuel CO₂ Emissions, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A., doi 10.3334/CDIAC/00001_V2017, 2017; available at: http://cdiac.ess-dive.lbl.gov/trends/emis/overview_2014.html

Frequency: Yearly, End of period

Observation date	Absolute change (billions of tonnes)	Emission (billions of tonnes)	Label
1910	0.0334	0.001	1910
1911	0.1099	3.063	
1912	0.1960	3.221	
1913	-0.0531	3.455	
1914	-0.1924	3.114	1914
1915	0.0334	3.070	
1916	0.2143	3.301	
1917	0.0641	3.499	
1918	-0.2730	3.430	1918
1919	-0.0073	2.953	
1920	-0.0055	3.415	
1921	-0.1594	2.942	
1922	0.0369	3.068	
1923	0.2163	3.254	
1924	0.0092	3.528	
1925	0.0366	3.572	
1926	0.1594	3.602	
1927	0.1502	3.891	
1928	0.1521	3.902	
1929	-0.0220	4.195	
1930	-0.3756	3.858	1930
1931	-0.3774	3.444	
1932	-0.0861	3.103	
1933	0.2308	3.272	
1934	0.2455	3.565	
1935	0.2076	3.763	1935
1936	0.3334	4.100	
1937	0.0220	4.430	
1938	-0.0311	4.184	
1939	0.2876	4.367	
1940	0.2601	4.760	1940
1941	0.0788	4.888	
1942	0.1044	5.07	
1943	0.0751	5.097	
1944	-0.4232	5.067	1944
1945	-0.2656	4.250	1945
1946	0.4250	4.536	
1947	0.4232	5.100	
1948	0.0495	5.382	1948
1949	0.2260	5.199	1949
1950	0.8375	5.972	1950
1951	0.3023	6.474	
1952	0.1356	6.577	
1953	0.1282	6.745	1953
1954	0.3682	6.833	
1955	0.5716	7.482	1955
1956	0.4177	7.977	
1957	0.2803	8.317	1957
1958	0.3359	8.537	
1959	0.4367	8.989	1959
1960	0.2315	9.411	1960
1961	0.2138	9.452	
1962	0.4635	9.838	
1963	0.5666	10.379	
1964	0.5435	10.969	
1965	0.5381	11.466	
1966	0.4824	12.046	
1967	0.5089	12.431	
1968	0.7077	13.063	
1969	0.8012	13.846	
1970	0.7816	14.446	
1971	0.5891	15.410	
1972	0.7418	16.024	
1973	0.4498	16.893	
1974	-0.0339	16.924	
1975	0.4337	16.826	1975
1976	0.7849	17.901	
1977	0.3804	18.355	
1978	0.6194	18.562	1978
1979	0.4132	19.594	
1980	-0.4036	19.388	
1981	-0.3820	18.787	
1982	0.1188	18.524	1982
1983	0.2584	18.524	
1984	0.6216	19.349	
1985	0.5895	19.217	
1986	0.5599	19.793	
1987	0.6426	20.396	
1988	0.6210	20.912	1987
1989	0.2503	21.681	
1990	0.1375	22.141	
1991	0.0066	22.182	1990
1992	-0.1381	22.429	
1993	0.1694	22.195	
1994	0.4271	22.153	
1995	0.4948	22.534	
1996	0.4540	23.523	
1997	0.2319	23.316	
1998	0.0076	23.985	
1999	0.2869	23.931	
2000	0.6037	24.559	2000
2001	0.4677	25.138	
2002	0.9344	25.494	
2003	1.3467	26.807	
2004	1.1941	28.188	
2005	1.0496	29.255	2005
2006	0.8126	30.287	
2007	0.7945	30.880	
2008	0.3215	31.876	
2009	0.3556	31.523	2009
2010	1.4171	33.307	2010
2011	0.9263	34.357	2011
2012	0.4253	34.919	2012
2013	0.2933	35.208	
2014	0.1274	35.506	
2015	0.0846	35.463	2015
2016	0.3453	35.675	2016
2017	0.7125	36.153	2017
2018	0.9467	37.100	2018



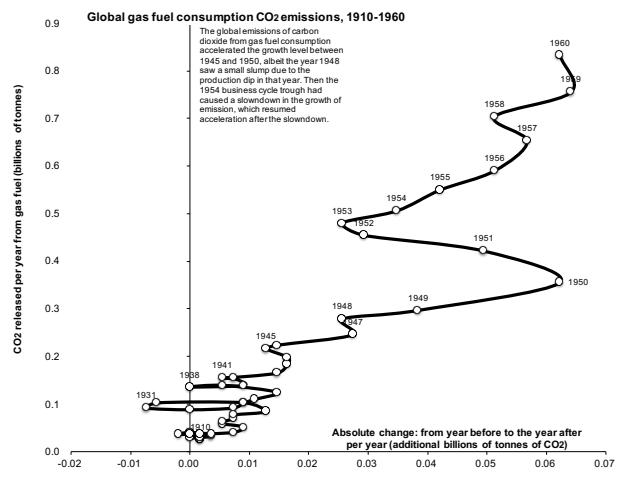
[Contents](#)

CO2 emissions from gas fuel consumption, worldwide, 1910-1960, (billions of tonnes)

Source: Boden, T. A., Marland, G., and Andres, R. J.: Global, Regional, and National Fossil-Fuel CO₂ Emissions, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A., doi 10.3334/CDIAC/00001_V2017, 2017; available at: http://cdiac.ess-dive.lbl.gov/trends/emis/overview_2014.html

Frequency: Yearly, End of period

Observation date	Absolute change (billions of tonnes)	Emission (billions of tonnes)	Label
1909	0.022	0.026	1909
1910	0.0018	0.026	1910
1911	0.0018	0.026	
1912	0.0018	0.029	
1913	0.0000	0.029	
1914	0.0018	0.029	
1915	0.0037	0.033	
1916	0.0037	0.037	
1917	0.0000	0.040	
1918	-0.0018	0.037	
1919	0.0018	0.037	
1920	0.0000	0.040	
1921	0.0000	0.037	
1922	0.0073	0.040	
1923	0.0092	0.051	
1924	0.0055	0.059	
1925	0.0055	0.062	
1926	0.0073	0.070	
1927	0.0073	0.077	
1928	0.0126	0.084	
1929	0.0092	0.103	
1930	-0.0055	0.103	
1931	-0.0073	0.092	1931
1932	0.0000	0.088	
1933	0.0073	0.092	
1934	0.0092	0.103	
1935	0.0110	0.110	
1936	0.0147	0.125	
1937	0.0055	0.139	
1938	0.0000	0.136	1938
1939	0.0092	0.139	
1940	0.0073	0.154	
1941	0.0055	0.156	1941
1942	0.0147	0.165	
1943	0.0165	0.183	
1944	0.0165	0.198	
1945	0.0128	0.216	1945
1946	0.0147	0.224	
1947	0.0275	0.245	1947
1948	0.0290	0.276	1948
1949	0.0385	0.287	1949
1950	0.0623	0.355	1950
1951	0.0495	0.421	1951
1952	0.0293	0.454	1952
1953	0.0256	0.480	1953
1954	0.0348	0.508	1954
1955	0.0421	0.530	1955
1956	0.0513	0.590	1956
1957	0.0568	0.652	1957
1958	0.0513	0.703	1958
1959	0.0641	0.755	1959
1960	0.0623	0.832	1960
1961	0.0690	0.879	
1962	0.0843	0.964	
1963	0.0971	1.048	
1964	0.0934	1.158	
1965	0.0879	1.235	
1966	0.1008	1.334	
1967	0.1099	1.436	
1968	0.1374	1.554	
1969	0.1284	1.711	
1970	0.1154	1.806	
1971	0.1227	1.942	
1972	0.1063	2.052	
1973	0.0678	2.154	
1974	0.0293	2.187	
1975	0.0095	2.213	1975
1976	0.0843	2.309	
1977	0.0916	2.382	
1978	0.1301	2.492	1978
1979	0.1044	2.642	
1980	0.0623	2.700	
1981	0.0116	2.768	
1982	-0.0233	2.704	1982
1983	0.1264	2.708	
1984	0.1759	2.957	
1985	0.0421	3.059	
1986	0.1044	3.041	
1987	0.1924	3.268	1987
1988	0.1657	3.426	
1989	0.1264	3.598	
1990	0.1264	3.759	1990
1991	0.1081	3.851	
1992	0.1209	3.975	
1993	0.0879	4.093	
1994	0.0623	4.151	
1995	0.1191	4.217	1995
1996	0.0843	4.389	
1997	0.0476	4.386	
1998	0.1118	4.485	
1999	0.1191	4.609	
2000	0.1063	4.723	2000
2001	0.0771	4.822	
2002	0.1494	4.917	
2003	0.1850	5.119	
2004	0.1612	5.287	
2005	0.1667	5.441	2005
2006	0.1411	5.621	
2007	0.1759	5.723	
2008	0.0095	5.972	
2009	0.1299	6.004	2009
2010	0.3151	6.214	2010
2011	0.1594	6.434	2011
2012	0.0916	6.533	2012
2013	0.0733	6.617	
2014	0.0623	6.679	



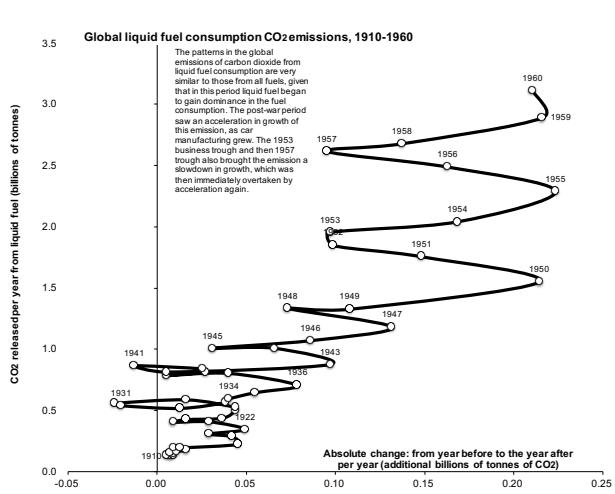
[Contents](#)

CO₂ emissions from liquid fuel consumption, worldwide, 1910-1960, (billions of tonnes)

Source: Boden, T. A., Marland, G., and Andres, R. J.: Global, Regional, and National Fossil-Fuel CO₂ Emissions, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A., doi 10.3334/CDIAC/00001_V2017, 2017; available at: http://cdiac.ess-dive.lbl.gov/trends/emis/overview_2014.html

Frequency: Yearly, End of period

Observation date	Absolute change (billions of tonnes)	Emission (billions of tonnes)	Label
1909	0.117	0.125	1910
1910	0.0073	0.132	
1911	0.0055	0.136	
1912	0.0092	0.150	
1913	0.0092	0.154	
1914	0.0073	0.165	
1915	0.0110	0.176	
1916	0.0165	0.198	
1917	0.0092	0.194	
1918	0.0128	0.224	
1919	0.0458	0.226	
1920	0.0421	0.266	
1921	0.0393	0.308	
1922	0.0498	0.344	1922
1923	0.0293	0.407	
1924	0.0092	0.403	
1925	0.0165	0.425	
1926	0.0366	0.436	
1927	0.0440	0.498	
1928	0.0440	0.524	
1929	0.0165	0.586	
1930	-0.238	0.557	
1931	-0.0202	0.539	1931
1932	0.0128	0.517	
1933	0.0385	0.564	
1934	0.0093	0.594	1934
1935	0.0550	0.645	
1936	0.0788	0.703	1936
1937	0.0403	0.802	
1938	0.0055	0.784	
1939	0.0275	0.813	
1940	0.0256	0.839	
1941	0.0265	0.865	1941
1942	0.0055	0.813	
1943	0.0971	0.876	1943
1944	0.0660	1.008	
1945	0.0311	1.008	1945
1946	0.0861	1.070	1946
1947	0.1319	1.180	1947
1948	0.0793	1.334	1948
1949	0.1081	1.326	1949
1950	0.2143	1.550	1950
1951	0.1484	1.755	1951
1952	0.0989	1.847	1952
1953	0.0971	1.953	1953
1954	0.1685	2.041	1954
1955	0.2235	2.200	1955
1956	0.1630	2.488	1956
1957	0.0953	2.616	1957
1958	0.1374	2.678	1958
1959	0.2162	2.891	1959
1960	0.2107	3.111	1960
1961	0.2000	3.112	
1962	0.2711	3.300	
1963	0.2876	3.865	
1964	0.3059	4.166	
1965	0.3408	4.466	
1966	0.3737	4.847	
1967	0.4177	5.214	
1968	0.4300	5.683	
1969	0.5276	6.150	
1970	0.5020	6.738	
1971	0.3994	7.134	
1972	0.5386	7.537	
1973	0.3444	8.211	
1974	0.1997	8.226	
1975	0.1264	7.812	1975
1976	0.4673	8.479	
1977	0.1429	8.766	
1978	0.2675	8.764	1978
1979	0.0550	9.321	
1980	-0.4672	8.874	
1981	0.1140	8.387	
1982	-0.2070	8.046	1982
1983	0.0055	7.973	
1984	0.0183	8.057	
1985	0.1722	8.010	
1986	0.2198	8.402	
1987	0.2180	8.449	1987
1988	0.2000	8.838	
1989	0.1466	9.010	
1990	0.2601	9.131	1990
1991	0.0128	9.530	
1992	-0.1576	9.156	
1993	0.0733	9.215	
1994	0.0824	9.303	
1995	0.1394	9.380	1995
1996	0.2583	9.622	
1997	0.2510	9.896	
1998	0.0733	10.124	
1999	0.1502	10.043	
2000	0.1960	10.424	2000
2001	0.0238	10.435	
2002	0.2016	10.376	
2003	0.3866	10.838	
2004	0.2015	11.150	
2005	0.0879	11.241	2005
2006	0.0055	11.325	
2007	0.0220	11.252	
2008	0.0351	11.368	
2009	0.0073	11.146	2009
2010	0.1685	11.384	2010
2011	0.1704	11.483	2011
2012	0.1576	11.725	2012
2013	0.1466	11.798	
2014	0.2198	12.018	



[Contents](#)

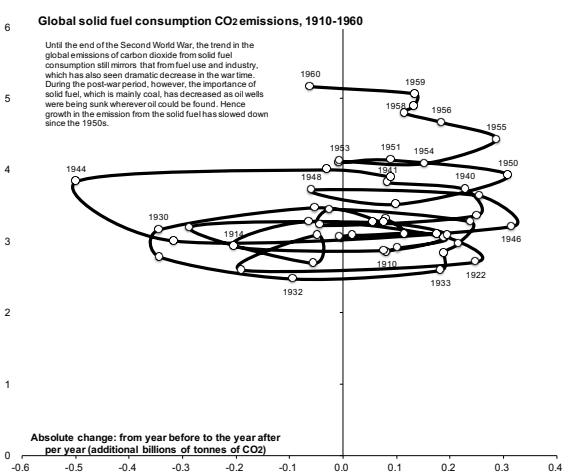
CO₂ emissions from solid fuel consumption, worldwide, 1910-1960, (billions of tonnes)

Source: Boden, T. A., Marland, G., and Andres, R. J.: Global, Regional, and National Fossil-Fuel CO₂ Emissions, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A., doi 10.3334/CDIAC/00001_V2017, 2017; available at: http://cdiac.ess-dive.lbl.gov/trends/emis/overview_2014.html

Frequency: Yearly, End of period

Observation date	Absolute change (billions of tonnes)	Emission (billions of tonnes)	Label
1909	0.0824	2.737	1910
1910	0.1026	2.851	
1911	0.1887	2.902	
1912	-0.0623	3.056	
1913	-0.2034	3.279	
1914	0.0769	2.931	1914
1915	0.1960	3.273	
1916	0.0568	3.085	
1917	-0.2858	3.265	
1918	-0.0550	3.199	
1919	-0.0476	2.693	
1920	0.1887	3.089	
1921	0.2493	2.598	
1922	0.1759	2.711	1922
1923	-0.0055	3.096	
1924	0.0183	3.063	
1925	0.1154	3.085	
1926	-0.0066	3.100	
1927	0.0769	3.316	
1928	0.0513	3.261	
1929	-0.3444	3.470	
1930	-0.0934	3.158	1930
1931	0.1832	2.781	
1932	0.1832	2.594	1933
1933	0.1937	2.840	
1934	0.2162	3.022	
1935	0.2382	3.272	
1936	-0.0238	3.272	
1937	-0.4241	3.448	
1938	0.2510	3.224	
1939	0.2290	3.364	
1940	0.1008	3.726	1940
1941	0.0695	3.822	1941
1942	0.0898	3.895	
1943	-0.2923	4.001	
1944	-0.4983	3.836	1944
1945	-0.3151	3.004	
1946	0.3151	3.206	1946
1947	0.2586	3.635	
1948	0.5866	3.719	1948
1949	0.1008	3.517	
1950	0.3096	3.920	1950
1951	0.0898	4.137	1951
1952	-0.0073	4.100	
1953	-0.0055	4.122	1953
1954	0.1521	4.089	1954
1955	0.0276	4.426	1955
1956	0.1850	4.654	1956
1957	0.1154	4.796	
1958	0.1337	4.895	1958
1959	0.1356	5.064	1959
1960	-0.0605	5.166	
1961	0.1081	4.643	
1962	0.0861	4.950	
1963	0.1539	5.115	
1964	0.1172	5.258	
1965	0.0788	5.349	
1966	-0.0220	5.415	
1967	-0.0550	5.305	
1968	0.0096	5.305	
1969	0.1079	5.445	
1970	0.1337	5.701	
1971	0.0366	5.712	
1972	0.0403	5.774	
1973	0.0055	5.793	
1974	0.1685	5.785	
1975	-0.2000	6.100	1975
1976	0.1621	6.235	
1977	0.1282	6.434	
1978	0.2180	6.522	1978
1979	0.2840	6.870	
1980	0.0605	7.090	
1981	0.0751	6.991	
1982	0.1234	7.240	1982
1983	0.1795	7.244	
1984	0.4378	7.599	
1985	0.3719	8.119	
1986	0.2253	8.343	
1987	0.2015	8.570	1987
1988	0.1005	8.746	
1989	-0.5513	8.896	
1990	-0.2638	8.643	1990
1991	-0.1264	8.369	
1992	-0.1081	8.391	
1993	-0.0220	8.152	
1994	0.2455	8.347	
1995	0.1005	8.643	1995
1996	0.0516	8.728	
1997	-0.0714	8.827	
1998	-0.1814	8.585	
1999	-0.2923	8.464	
2000	0.2473	8.526	2000
2001	0.3499	8.958	
2002	0.4500	9.226	
2003	0.7108	9.874	
2004	0.7566	10.648	
2005	0.7090	11.388	2005
2006	0.5752	12.066	
2007	0.5386	12.538	
2008	0.5078	13.143	
2009	0.4722	13.154	2009
2010	0.8519	13.987	2010
2011	0.5386	14.858	2011
2012	0.1301	15.044	2012
2013	0.0202	15.118	
2014	-0.0330	15.085	

CO₂ released per year from solid fuel (billions of tonnes)



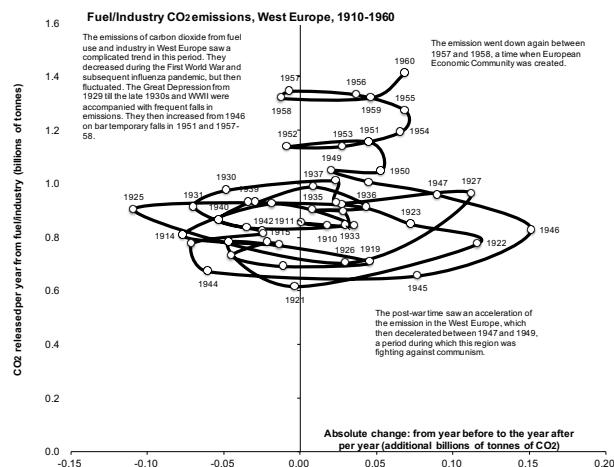
[Contents](#)

Total CO₂ emissions from fossil fuel consumption and cement production, West Europe, 1910-1960, (billions of tonnes)

Source: Boden, T. A., Marland, G., and Andres, R. J.: Global, Regional, and National Fossil-Fuel CO₂ Emissions, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A., doi:10.3334/CDIAC/00001_V2017, 2017; available at: http://cdiac.ess-dive.lbl.gov/trends/emi/overview_2014.html

Frequency: Yearly, End of period

Observation date	Absolute change (billions of tonnes)	Emission (billions of tonnes)	Label
1909	0.0178	0.818	1909
1910	0.0011	0.841	1910
1911	0.0011	0.853	1911
1912	0.0357	0.844	
1913	-0.0186	0.925	
1914	-0.0256	0.808	1914
1915	-0.0131	0.772	1915
1916	-0.0214	0.760	
1917	-0.0446	0.729	
1918	-0.0104	0.691	
1919	0.0460	0.708	1919
1920	0.0462	0.783	
1921	-0.0035	0.616	1921
1922	0.1165	0.776	1922
1923	0.0725	0.849	1923
1924	0.0272	0.921	
1925	-0.1089	0.903	1925
1926	0.0294	0.704	1926
1927	0.1121	0.962	1927
1928	-0.0240	0.938	
1929	0.0237	1.010	
1930	-0.0482	0.975	1930
1931	-0.0697	0.914	1931
1932	-0.0347	0.836	
1933	0.0298	0.844	1933
1934	0.0285	0.895	
1935	0.0084	0.931	1935
1936	0.0435	0.912	1936
1937	0.0088	0.988	1937
1938	-0.0290	0.930	
1939	-0.0336	0.930	1939
1940	-0.0531	0.863	1940
1941	-0.0246	0.834	
1942	-0.0238	0.914	1942
1943	-0.0709	0.776	
1944	-0.0602	0.672	1944
1945	0.0769	0.656	1945
1946	0.0512	0.826	1946
1947	-0.0092	0.958	1947
1948	0.0655	1.006	
1949	0.0296	1.049	1949
1950	0.0532	1.047	1950
1951	0.0454	1.156	1951
1952	-0.0081	1.138	1952
1953	0.0280	1.139	1953
1954	0.0592	1.194	1954
1955	0.0686	1.272	1955
1956	0.0368	1.332	1956
1957	-0.0065	1.345	1957
1958	-0.0121	1.319	1958
1959	0.0465	1.321	1959
1960	0.0685	1.412	1960
1961	-0.0339	1.458	
1962	0.0532	1.539	
1963	0.0818	1.645	
1964	0.0590	1.703	
1965	0.0562	1.763	
1966	0.0425	1.815	
1967	0.0687	1.848	
1968	0.0582	1.953	
1969	0.1293	2.054	
1970	0.1113	2.231	
1971	0.0678	2.286	
1972	0.1090	2.367	
1973	0.0339	2.504	
1974	-0.0822	2.435	
1975	-0.0281	2.340	1975
1976	0.0549	2.491	
1977	0.0177	2.450	
1978	0.1039	2.526	1978
1979	0.0105	2.658	
1980	0.1141	2.547	
1981	-0.1175	2.430	
1982	-0.0595	2.332	1982
1983	-0.0257	2.291	
1984	0.0285	2.281	
1985	0.0276	2.344	
1986	0.0078	2.336	
1987	0.0099	2.359	1987
1988	-0.0051	2.356	
1989	0.0283	2.470	
1990	-0.0135	2.412	1990
1991	-0.0044	2.442	
1992	-0.0400	2.404	
1993	-0.0204	2.362	
1994	0.0235	2.363	
1995	-0.0300	2.409	1995
1996	0.0249	2.439	
1997	0.0195	2.459	
1998	0.0276	2.528	
1999	0.0061	2.514	
2000	0.0396	2.540	2000
2001	-0.0117	2.593	
2002	0.0390	2.603	
2003	0.0482	2.871	
2004	0.0132	2.700	
2005	-0.0039	2.698	2005
2006	-0.0217	2.692	
2007	-0.0476	2.654	
2008	-0.1125	2.597	
2009	-0.0759	2.401	2009
2010	-0.0421	2.445	2010
2011	-0.0870	2.317	2011
2012	-0.0539	2.271	2012
2013	-0.1036	2.209	
2014	-0.1453	2.064	



[Contents](#)

Total CO₂ emissions from fossil fuel consumption and cement production, North America, 1910-1960, (billions of tonnes)

Source: Boden, T. A., Marland, G., and Andres, R. J.: Global, Regional, and National Fossil-Fuel CO₂ Emissions, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A., doi 10.3334/CDIAC/00001_V2017, 2017; available at: http://cdiac.ess-dive.lbl.gov/trends/emis/overview_2014.html

Frequency: Yearly, End of period

Observation date	Absolute change (billions of tonnes)	Emission (billions of tonnes)	Label
1909	1.209	1.321	1910
1910	0.0540	1.317	
1911	0.0438	1.408	
1912	0.1014	1.519	
1913	-0.0122	1.384	
1914	0.0365	1.426	
1915	0.1043	1.593	1916
1916	0.1637	1.754	
1917	0.1212	1.835	1918
1918	-0.1003	1.553	
1919	-0.0074	1.820	
1920	-0.0253	1.502	1921
1921	0.1580	1.453	1922
1922	0.2423	1.987	1923
1923	0.1352	1.773	
1924	-0.0854	1.816	
1925	0.1002	1.973	
1926	0.0603	1.937	1927
1927	0.0259	1.922	1928
1928	0.0015	1.926	1929
1929	0.0426	2.059	1930
1930	-0.2502	1.837	1931
1931	-0.2550	1.559	1932
1932	-0.0711	1.327	1933
1933	0.0938	1.417	1934
1934	0.0902	1.514	1935
1935	0.1413	1.559	
1936	0.1570	1.797	1936
1937	-0.0989	1.883	1937
1938	-0.0601	1.599	
1939	0.1906	1.763	
1940	0.1982	1.980	1940
1941	0.1724	2.159	1941
1942	0.1229	2.325	
1943	0.1279	2.405	1943
1944	0.0403	2.581	
1945	-0.0947	2.486	1945
1946	0.0692	2.391	1946
1947	0.1721	2.624	1947
1948	0.1585	2.736	1948
1949	0.0227	2.305	1949
1950	0.2350	2.690	1950
1951	0.0072	2.775	1951
1952	-0.0043	2.705	
1953	-0.0292	2.766	1953
1954	0.0624	2.646	
1955	0.1035	2.631	1955
1956	0.0601	3.043	1956
1957	-0.0598	3.011	1957
1958	-0.0017	2.923	
1959	0.0790	3.008	1959
1960	0.0320	3.081	1960
1961	0.0354	3.072	
1962	0.1277	3.192	
1963	0.1496	3.228	
1964	0.1562	3.491	
1965	0.1636	3.640	
1966	0.1671	3.818	
1967	0.1567	3.974	
1968	0.1771	4.132	
1969	0.3575	4.259	
1970	0.1885	4.667	
1971	0.1377	4.706	
1972	0.2210	4.942	
1973	0.0212	5.148	
1974	0.1740	4.984	
1975	0.0120	4.800	1975
1976	0.1733	5.009	
1977	0.1470	5.146	
1978	0.0966	5.302	1978
1979	-0.0701	5.339	
1980	0.1889	5.162	
1981	0.2225	4.962	
1982	-0.1075	4.716	1982
1983	0.0895	4.747	
1984	0.0820	4.897	
1985	-0.0001	4.911	
1986	0.1025	4.897	
1987	0.2238	5.116	1987
1988	0.1525	5.346	
1989	0.0459	5.244	
1990	-0.0853	5.254	1990
1991	0.0459	5.243	
1992	0.1132	5.346	
1993	0.1003	5.470	
1994	0.0631	5.547	
1995	-0.0001	5.596	1995
1996	0.1316	5.727	
1997	0.0879	5.859	
1998	0.0780	5.903	
1999	0.1601	6.015	
2000	0.0518	6.223	2000
2001	0.0337	6.119	
2002	0.0025	6.156	
2003	0.0738	6.224	
2004	0.0591	6.303	
2005	-0.0336	6.342	2005
2006	-0.0019	6.236	
2007	-0.0330	6.338	
2008	-0.2715	6.170	
2009	-0.1224	5.796	2009
2010	0.0133	5.925	2010
2011	-0.1465	5.822	2011
2012	-0.0752	5.632	2012
2013	0.0772	5.672	
2014	0.1151	5.787	

