

Table 11.19 World Carbon Dioxide Emissions From Energy Consumption, 1993-2002

 (Million Metric Tons of Carbon Dioxide ¹)

Region and Country	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 ^P
North America	R5,947	R6,059	R6,102	R6,323	R6,427	R6,501	R6,563	R6,773	R6,657	6,705
Canada	478	494	494	R508	536	R541	R552	R577	R577	592
Mexico	310	330	319	338	347	383	R356	R376	R367	363
United States ²	R5,158	R5,234	R5,289	R5,477	R5,543	R5,576	R5,654	R5,819	R5,713	5,749
Other	1	1	1	1	1	1	1	1	1	1
Central and South America	R804	R828	R869	R901	R942	R968	R972	982	R1,017	1,006
Argentina	122	119	122	129	129	R134	R138	135	R127	120
Brazil	273	285	302	309	R321	321	R331	R338	R347	346
Venezuela	114	120	123	132	134	141	R132	133	R151	143
Other	R295	R304	R321	R330	R358	R372	R371	R376	R392	396
Western Europe	R3,510	R3,490	R3,565	3,663	R3,691	R3,704	R3,632	R3,816	R3,883	3,853
Belgium	124	128	130	138	141	146	R139	R144	R142	146
France	367	356	369	388	380	R404	R401	R411	R412	407
Germany	883	867	875	879	877	863	R819	R843	R860	838
Italy	403	395	434	431	414	R425	R422	R449	R449	449
Netherlands	220	220	223	228	236	228	R224	R249	R276	256
Spain	229	236	R244	R233	R265	R271	R293	R318	R324	341
Turkey	144	139	151	168	181	182	R178	R203	R189	192
United Kingdom	578	570	560	R584	R562	R548	R534	R555	R570	553
Other	564	R579	R578	R614	R635	R637	R621	R643	R660	670
Eastern Europe and Former U.S.S.R.	R3,721	R3,297	R3,161	R3,092	R2,949	R2,894	R2,985	R2,992	R3,033	3,016
Kazakhstan	R209	R155	R129	R140	117	113	R133	R136	R140	153
Poland	338	320	304	287	335	311	R323	R289	R276	268
Romania	124	117	123	125	120	R95	R93	R94	R105	100
Russia	R1,887	R1,699	R1,589	R1,569	R1,438	R1,451	R1,524	R1,543	R1,553	1,522
Ukraine	531	442	447	400	375	367	R371	R358	R376	388
Uzbekistan	115	97	104	103	103	101	103	106	112	116
Other	R516	R467	R465	R467	R462	R455	R439	R467	R472	468
Middle East	R858	R894	R921	949	998	R1,024	R1,080	R1,106	R1,143	1,191
Iran	R240	R250	260	261	288	R297	R322	321	R339	359
Saudi Arabia	240	246	255	266	263	257	R280	299	R313	329
Other	377	398	406	422	447	R469	R478	R486	R492	503
Africa	774	R807	R817	R834	R859	R850	864	R884	R906	918
Egypt	96	99	98	107	111	R115	114	120	R132	138
South Africa	317	344	344	349	380	362	R375	R383	R378	378
Other	361	R364	R375	R378	R368	374	376	381	R395	403
Asia and Oceania	R5,981	R6,361	R6,672	R6,814	R7,028	R6,883	R7,041	R7,338	R7,589	7,844
Australia	282	282	292	298	R328	R332	R352	R359	R391	410
China	2,610	2,816	2,888	2,945	3,022	2,952	R2,913	R3,017	R3,176	3,322
India	R695	R734	R867	R830	R873	R898	R934	R996	R1,010	1,026
Indonesia	R201	R209	213	235	R245	R239	R263	275	R293	300
Japan	R1,035	R1,102	R1,095	R1,128	R1,138	R1,096	R1,135	R1,183	R1,182	1,179
Malaysia	83	89	89	101	101	102	106	112	128	141
South Korea	334	364	401	410	432	369	R390	R422	R431	451
Taiwan	156	R160	R181	R195	R207	R221	R216	R234	R215	230
Thailand	115	128	156	169	R174	R160	R179	R173	178	189
Other	R468	R477	R491	R503	R506	R513	R552	R568	R585	596
World	R21,596	R21,736	R22,107	R22,576	R22,893	R22,824	R23,137	R23,891	R24,228	24,533

¹ Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44. For data in million metric tons carbon equivalent, see the "International Energy Annual 2002" (June 2004), Table H.1.

² Data for the United States in this table differ from those in Table 12.1 due to: the inclusion of emissions from bunker fuels consumption; the exclusion of emissions from geothermal power generation, cement production and other industrial processes, and municipal solid waste combustion; and the exclusion of data for the U.S. Territories.

R=Revised. P=Preliminary.

Notes: • Data include carbon dioxide emissions from fossil-fuel energy consumption and natural gas venting and flaring. • See Note 2, "World Carbon Dioxide Emissions," at end of section. • Totals may not equal sum of components due to independent rounding.

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

Source: Energy Information Administration, "International Energy Annual 2002" (May 2004), Table H.1co2.