

Table A13. World carbon dioxide emissions from coal use by region, Low Economic Growth case

million metric tons of carbon dioxide

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	1,085	956	516	517	512	504	521	-2.6%
United States	929	812	374	355	314	281	264	-4.4%
Canada	45	29	13	13	13	13	13	-4.4%
Mexico	19	19	20	25	33	33	33	2.1%
Brazil	57	59	59	61	62	63	75	1.0%
Other Americas	35	37	48	62	90	115	136	4.9%
Europe and Eurasia	1,570	1,525	1,348	1,352	1,349	1,336	1,429	-0.3%
Western Europe	813	774	621	618	591	560	632	-0.9%
Russia	449	461	437	415	419	425	433	-0.1%
Eastern Europe and Eurasia	308	290	290	319	340	352	365	0.6%
Asia Pacific	12,719	12,448	12,461	12,385	11,988	11,603	11,178	-0.5%
Japan	409	400	281	244	231	218	206	-2.4%
South Korea	240	231	241	249	252	254	252	0.2%
Australia and New Zealand	145	133	149	162	165	164	163	0.4%
China	9,181	8,813	8,231	7,731	7,127	6,571	6,076	-1.5%
India	1,699	1,824	2,280	2,462	2,620	2,778	2,757	1.7%
Other Asia Pacific	1,045	1,048	1,279	1,537	1,594	1,619	1,723	1.8%
Africa and Middle East	429	425	484	507	598	626	701	1.8%
Africa	403	399	459	482	572	600	675	1.9%
Middle East	26	26	25	26	26	26	26	-0.1%
World	15,804	15,355	14,808	14,761	14,447	14,070	13,829	-0.5%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.