

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

million metric tons of carbon dioxide

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
<b>Americas</b>	<b>1,085</b>	<b>1,007</b>	<b>679</b>	<b>704</b>	<b>732</b>	<b>721</b>	<b>699</b>	<b>-1.6%</b>
United States	929	860	505	465	418	388	345	-3.5%
Canada	45	29	13	14	14	15	15	-3.9%
Mexico	19	19	32	35	37	39	40	2.8%
Brazil	57	60	68	74	96	82	84	1.4%
Other Americas	35	38	61	115	167	198	215	6.7%
<b>Europe and Eurasia</b>	<b>1,570</b>	<b>1,556</b>	<b>1,443</b>	<b>1,461</b>	<b>1,628</b>	<b>1,737</b>	<b>1,786</b>	<b>0.5%</b>
Western Europe	813	785	663	679	782	801	799	-0.1%
Russia	449	468	455	447	488	550	566	0.8%
Eastern Europe and Eurasia	308	303	325	335	358	386	421	1.1%
<b>Asia Pacific</b>	<b>12,719</b>	<b>12,916</b>	<b>14,278</b>	<b>14,890</b>	<b>15,095</b>	<b>15,324</b>	<b>15,519</b>	<b>0.7%</b>
Japan	409	404	293	304	296	322	320	-0.9%
South Korea	240	239	248	261	269	272	272	0.4%
Australia and New Zealand	145	136	154	166	170	171	174	0.7%
China	9,181	9,226	9,706	9,608	9,196	8,864	8,536	-0.3%
India	1,699	1,814	2,363	2,700	3,030	3,178	3,361	2.5%
Other Asia Pacific	1,045	1,098	1,513	1,850	2,133	2,515	2,855	3.7%
<b>Africa and Middle East</b>	<b>429</b>	<b>426</b>	<b>497</b>	<b>578</b>	<b>657</b>	<b>728</b>	<b>808</b>	<b>2.3%</b>
Africa	403	401	472	551	629	700	779	2.4%
Middle East	26	26	26	27	28	28	29	0.3%
<b>World</b>	<b>15,804</b>	<b>15,905</b>	<b>16,897</b>	<b>17,634</b>	<b>18,111</b>	<b>18,510</b>	<b>18,812</b>	<b>0.6%</b>

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hm\_230821.151836 and Annual Energy Outlook 2023 (March 2023), [www.eia.gov/aeo](http://www.eia.gov/aeo)

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