

**Table A12. World carbon dioxide emissions from natural gas 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>2,405</b>	<b>2,313</b>	<b>2,357</b>	<b>2,406</b>	<b>2,535</b>	<b>2,654</b>	<b>2,774</b>	<b>0.5%</b>
United States	1,724	1,595	1,570	1,558	1,606	1,668	1,725	0.0%
Canada	231	239	237	259	286	305	326	1.2%
Mexico	147	158	184	201	228	249	269	2.2%
Brazil	72	82	97	93	92	91	92	0.9%
Other Americas	231	240	269	295	323	341	361	1.6%
<b>Europe and Eurasia</b>	<b>2,317</b>	<b>2,374</b>	<b>2,516</b>	<b>2,674</b>	<b>2,869</b>	<b>3,091</b>	<b>3,351</b>	<b>1.3%</b>
Western Europe	1,085	1,129	1,210	1,227	1,253	1,288	1,332	0.7%
Russia	931	930	980	1,078	1,182	1,284	1,407	1.5%
Eastern Europe and Eurasia	300	315	326	369	435	518	612	2.6%
<b>Asia Pacific</b>	<b>1,845</b>	<b>2,006</b>	<b>2,259</b>	<b>2,516</b>	<b>2,893</b>	<b>3,403</b>	<b>4,013</b>	<b>2.8%</b>
Japan	223	227	216	199	193	174	176	-0.8%
South Korea	137	136	135	128	126	128	134	-0.1%
Australia and New Zealand	91	92	98	101	106	109	112	0.7%
China	738	828	937	1,107	1,346	1,715	2,147	3.9%
India	137	154	241	315	394	477	569	5.2%
Other Asia Pacific	519	569	632	666	729	799	876	1.9%
<b>Africa and Middle East</b>	<b>1,518</b>	<b>1,589</b>	<b>1,698</b>	<b>1,852</b>	<b>2,020</b>	<b>2,255</b>	<b>2,534</b>	<b>1.8%</b>
Africa	331	343	380	432	491	582	689	2.7%
Middle East	1,187	1,246	1,318	1,420	1,529	1,673	1,845	1.6%
<b>World</b>	<b>8,086</b>	<b>8,282</b>	<b>8,829</b>	<b>9,447</b>	<b>10,317</b>	<b>11,403</b>	<b>12,672</b>	<b>1.6%</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/ao](http://www.eia.gov/ao)

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