

**Table A11. World carbon dioxide emissions from liquid fuels 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
<b>Americas</b>	<b>3,501</b>	<b>3,417</b>	<b>3,276</b>	<b>3,179</b>	<b>3,137</b>	<b>3,144</b>	<b>3,195</b>	<b>-0.3%</b>
United States	2,189	2,088	1,983	1,896	1,840	1,818	1,836	-0.6%
Canada	271	269	268	272	279	287	292	0.3%
Mexico	253	252	237	229	227	229	235	-0.3%
Brazil	310	323	318	313	312	313	314	0.0%
Other Americas	478	485	472	468	479	497	517	0.3%
<b>Europe and Eurasia</b>	<b>2,474</b>	<b>2,474</b>	<b>2,347</b>	<b>2,233</b>	<b>2,169</b>	<b>2,142</b>	<b>2,124</b>	<b>-0.5%</b>
Western Europe	1,905	1,893	1,775	1,672	1,605	1,571	1,548	-0.7%
Russia	435	440	426	408	401	395	388	-0.4%
Eastern Europe and Eurasia	134	142	146	153	163	176	189	1.2%
<b>Asia Pacific</b>	<b>4,139</b>	<b>4,431</b>	<b>4,650</b>	<b>4,792</b>	<b>4,882</b>	<b>4,982</b>	<b>5,035</b>	<b>0.7%</b>
Japan	404	384	353	325	305	290	278	-1.3%
South Korea	262	273	268	256	243	232	220	-0.6%
Australia and New Zealand	168	169	173	173	174	178	183	0.3%
China	1,579	1,716	1,738	1,699	1,609	1,534	1,454	-0.3%
India	610	695	837	989	1,137	1,280	1,393	3.0%
Other Asia Pacific	1,116	1,193	1,281	1,351	1,413	1,468	1,507	1.1%
<b>Africa and Middle East</b>	<b>1,663</b>	<b>1,762</b>	<b>1,732</b>	<b>1,757</b>	<b>1,828</b>	<b>1,918</b>	<b>2,017</b>	<b>0.7%</b>
Africa	599	643	678	727	795	871	957	1.7%
Middle East	1,063	1,120	1,054	1,031	1,034	1,046	1,061	0.0%
<b>World</b>	<b>11,777</b>	<b>12,084</b>	<b>12,005</b>	<b>11,961</b>	<b>12,016</b>	<b>12,185</b>	<b>12,372</b>	<b>0.2%</b>

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](http://www.eia.gov/aeo)

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