

Table A10. World carbon dioxide emissions 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
Americas	6,991	6,880	6,580	6,658	6,911	7,165	7,454	0.2%
United States	4,842	4,663	4,242	4,134	4,134	4,193	4,269	-0.4%
Canada	548	540	525	559	600	635	672	0.7%
Mexico	419	432	464	490	531	572	616	1.4%
Brazil	439	471	509	529	572	580	603	1.1%
Other Americas	744	775	839	946	1,075	1,186	1,293	2.0%
Europe and Eurasia	6,361	6,447	6,452	6,622	7,033	7,474	7,917	0.8%
Western Europe	3,803	3,837	3,744	3,744	3,875	3,983	4,100	0.3%
Russia	1,815	1,848	1,899	2,001	2,170	2,364	2,533	1.2%
Eastern Europe and Eurasia	742	762	809	876	988	1,127	1,285	2.0%
Asia Pacific	18,703	19,438	21,568	22,951	24,054	25,367	26,736	1.3%
Japan	1,036	1,021	879	852	827	829	825	-0.8%
South Korea	639	653	665	670	673	677	681	0.2%
Australia and New Zealand	404	398	430	447	461	471	485	0.7%
China	11,498	11,809	12,553	12,731	12,622	12,751	12,930	0.4%
India	2,446	2,676	3,520	4,186	4,866	5,376	5,928	3.2%
Other Asia Pacific	2,680	2,881	3,521	4,066	4,604	5,263	5,887	2.9%
Africa and Middle East	3,610	3,794	3,993	4,322	4,722	5,218	5,791	1.7%
Africa	1,333	1,394	1,568	1,792	2,051	2,360	2,716	2.6%
Middle East	2,277	2,399	2,425	2,529	2,671	2,858	3,076	1.1%
World	35,665	36,559	38,593	40,552	42,721	45,223	47,898	1.1%

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

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