

Table A10. World carbon dioxide emissions by region, High Economic Growth case

million metric tons carbon dioxide

Region	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
OECD								
OECD Americas	5,654	6,014	6,090	6,234	6,507	6,794	7,122	0.8
United States	4,556	4,769	4,794	4,844	5,000	5,178	5,394	0.6
Canada	547	608	623	658	714	768	820	1.4
Mexico and other OECD Americas	552	637	673	733	793	848	907	1.7
OECD Europe	3,593	3,839	3,790	3,803	3,825	3,950	4,110	0.4
OECD Asia	2,252	2,349	2,366	2,405	2,411	2,391	2,380	0.2
Japan	1,089	1,139	1,122	1,128	1,103	1,054	995	-0.3
South Korea	756	806	833	852	871	882	904	0.6
Australia and New Zealand	407	404	411	424	437	455	480	0.5
Total OECD	11,500	12,202	12,246	12,442	12,744	13,134	13,611	0.6
Non-OECD								
Non-OECD Europe and Eurasia	2,930	3,106	3,287	3,534	3,748	3,951	4,185	1.2
Russia	1,861	2,016	2,159	2,336	2,476	2,589	2,722	1.3
Other Europe and Eurasia	1,068	1,090	1,129	1,198	1,272	1,362	1,463	1.1
Non-OECD Asia	15,535	17,914	19,126	20,726	22,429	24,267	26,354	1.8
China	10,910	11,625	11,544	11,750	11,879	12,117	12,381	0.4
India	2,137	3,104	3,852	4,727	5,617	6,523	7,591	4.3
Other Asia	2,488	3,185	3,731	4,249	4,933	5,627	6,382	3.2
Middle East	2,028	2,326	2,405	2,533	2,689	2,857	2,978	1.3
Africa	1,251	1,470	1,647	1,847	2,033	2,227	2,540	2.4
Non-OECD Americas	1,106	1,297	1,395	1,510	1,627	1,755	1,885	1.8
Brazil	503	610	661	703	735	781	822	1.7
Other Non-OECD Americas	603	687	734	807	892	974	1,062	1.9
Total Non-OECD	22,849	26,113	27,861	30,150	32,525	35,056	37,943	1.7
Total World	34,349	38,315	40,107	42,591	45,269	48,190	51,554	1.4

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hm_210719.163753; and EIA, *Annual Energy Outlook 2021*, (February 2021), www.eia.gov/aeo

Notes:

* Values presented are gross CO₂ emissions; CO₂ captured by CCS, accounting for less than 0.2% of the 2050 world total, is not subtracted

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