

Table A10. World carbon dioxide emissions by region, Low 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	5,661	5,546	5,506	5,520	5,580	5,626	0.0
United States	4,556	4,455	4,350	4,284	4,258	4,266	4,298	-0.2
Canada	547	585	570	573	592	606	614	0.4
Mexico and other OECD Americas	552	620	625	649	671	708	714	0.9
OECD Europe	3,593	3,643	3,507	3,414	3,343	3,325	3,313	-0.3
OECD Asia	2,252	2,242	2,162	2,107	2,043	1,961	1,884	-0.6
Japan	1,089	1,081	1,006	960	911	841	771	-1.1
South Korea	756	772	775	756	742	733	724	-0.1
Australia and New Zealand	407	389	380	391	390	387	389	-0.2
Total OECD	11,500	11,545	11,214	11,027	10,907	10,866	10,823	-0.2
Non-OECD								
Non-OECD Europe and Eurasia	2,930	2,908	2,903	2,939	2,942	2,940	2,923	0.0
Russia	1,861	1,885	1,892	1,906	1,895	1,873	1,839	0.0
Other Europe and Eurasia	1,068	1,022	1,011	1,032	1,047	1,067	1,084	0.0
Non-OECD Asia	15,534	16,290	16,292	16,645	16,853	17,029	16,923	0.3
China	10,910	10,676	10,049	9,605	9,289	9,066	8,762	-0.7
India	2,136	2,711	3,095	3,608	4,017	4,334	4,434	2.5
Other Asia	2,488	2,902	3,148	3,431	3,547	3,629	3,727	1.4
Middle East	2,028	2,206	2,138	2,085	2,048	1,996	1,942	-0.1
Africa	1,250	1,365	1,433	1,522	1,596	1,681	1,744	1.1
Non-OECD Americas	1,106	1,231	1,232	1,227	1,261	1,322	1,380	0.7
Brazil	503	575	565	551	534	530	530	0.2
Other Non-OECD Americas	603	656	667	675	727	792	850	1.2
Total Non-OECD	22,848	24,000	23,997	24,417	24,700	24,969	24,912	0.3
Total World	34,348	35,545	35,211	35,443	35,606	35,835	35,735	0.1

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Im_210719.163843; 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.