

Table A10. World carbon dioxide emissions by region, Low Oil Price case

million metric tons carbon dioxide

Region	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
OECD								
OECD Americas	5,655	5,794	5,731	5,764	5,892	6,047	6,195	0.3
United States	4,557	4,573	4,521	4,529	4,618	4,722	4,853	0.2
Canada	547	593	576	579	594	606	614	0.4
Mexico and other OECD Americas	552	629	633	657	681	718	728	0.9
OECD Europe	3,593	3,690	3,555	3,476	3,431	3,553	3,522	-0.1
OECD Asia	2,252	2,269	2,191	2,138	2,075	1,989	1,911	-0.5
Japan	1,089	1,098	1,024	976	925	852	781	-1.1
South Korea	756	779	786	769	756	748	741	-0.1
Australia and New Zealand	407	392	381	393	394	388	389	-0.2
Total OECD	11,501	11,753	11,477	11,378	11,399	11,589	11,629	0.0
Non-OECD								
Non-OECD Europe and Eurasia	2,930	2,915	2,907	2,942	2,947	2,943	2,931	0.0
Russia	1,861	1,887	1,888	1,899	1,884	1,860	1,829	-0.1
Other Europe and Eurasia	1,068	1,029	1,020	1,044	1,062	1,083	1,101	0.1
Non-OECD Asia	15,534	16,465	16,585	16,913	17,182	17,464	17,421	0.4
China	10,910	10,796	10,205	9,675	9,368	9,146	8,841	-0.7
India	2,136	2,740	3,192	3,745	4,191	4,608	4,771	2.7
Other Asia	2,488	2,929	3,189	3,494	3,623	3,710	3,809	1.4
Middle East	2,027	2,211	2,143	2,089	2,058	2,003	1,973	-0.1
Africa	1,250	1,363	1,435	1,530	1,610	1,697	1,762	1.2
Non-OECD Americas	1,106	1,241	1,250	1,249	1,289	1,349	1,406	0.8
Brazil	503	581	578	565	548	542	539	0.2
Other Non-OECD Americas	603	660	672	684	740	807	867	1.2
Total Non-OECD	22,847	24,195	24,321	24,723	25,084	25,457	25,492	0.4
Total World	34,348	35,949	35,798	36,101	36,483	37,046	37,121	0.3

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Ip_210720.081941; 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.