

Table A13. World carbon dioxide emissions from coal use by region, Reference case

million metric tons carbon dioxide

Region	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
OECD								
OECD Americas	969	843	808	759	727	710	716	-1.0
United States	861	749	731	688	653	630	631	-1.0
Canada	48	47	26	18	19	20	21	-2.8
Mexico and other OECD Americas	60	48	50	53	56	60	64	0.2
OECD Europe	766	672	586	596	622	618	633	-0.6
OECD Asia	800	802	800	832	839	801	760	-0.2
Japan	393	437	427	452	452	413	368	-0.2
South Korea	259	261	280	290	301	305	311	0.6
Australia and New Zealand	148	104	93	90	86	83	81	-2.0
Total OECD	2,536	2,317	2,194	2,187	2,188	2,129	2,110	-0.6
Non-OECD								
Non-OECD Europe and Eurasia	908	866	879	954	996	1,034	1,064	0.5
Russia	471	493	504	556	571	580	583	0.7
Other Europe and Eurasia	437	374	375	398	426	453	481	0.3
Non-OECD Asia	10,901	11,321	11,222	11,742	12,244	12,848	13,082	0.6
China	8,578	8,279	7,736	7,594	7,469	7,380	7,304	-0.5
India	1,461	1,932	2,155	2,620	3,077	3,527	3,639	3.1
Other Asia	862	1,110	1,332	1,528	1,698	1,941	2,139	3.1
Middle East	13	15	24	16	25	47	45	4.2
Africa	365	404	434	473	488	475	473	0.9
Non-OECD Americas	71	92	90	95	110	116	100	1.2
Brazil	55	67	68	72	66	71	70	0.8
Other Non-OECD Americas	15	25	22	23	44	45	30	2.2
Total Non-OECD	12,258	12,698	12,649	13,279	13,864	14,520	14,764	0.6
Total World	14,794	15,015	14,843	15,466	16,052	16,649	16,873	0.4

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run r_210719.163829; and EIA, *Annual Energy Outlook 2021*, (February 2021), www.eia.gov/aeo

Notes:

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