

**Table M2. World thermal coal production by region, High Zero-carbon Technology Cost case**

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
<b>Americas</b>	<b>656</b>	<b>593</b>	<b>450</b>	<b>458</b>	<b>455</b>	<b>466</b>	<b>455</b>	<b>-1.3%</b>
United States	548	485	335	324	313	312	294	-2.2%
Canada	26	19	14	16	17	19	20	-0.9%
Mexico	3	3	7	7	7	7	7	3.8%
Brazil	4	5	4	5	7	5	5	0.2%
Other Americas	75	81	90	106	110	124	129	2.0%
<b>Europe and Eurasia</b>	<b>863</b>	<b>830</b>	<b>751</b>	<b>778</b>	<b>775</b>	<b>872</b>	<b>881</b>	<b>0.1%</b>
Western Europe	468	457	357	369	359	443	441	-0.2%
Russia	284	265	282	288	292	302	311	0.3%
Eastern Europe and Eurasia	111	107	112	121	123	127	130	0.6%
<b>Asia Pacific</b>	<b>5,694</b>	<b>5,707</b>	<b>6,104</b>	<b>6,352</b>	<b>6,435</b>	<b>6,439</b>	<b>6,567</b>	<b>0.5%</b>
Japan	1	1	1	1	1	1	1	1.6%
South Korea	1	1	1	2	2	2	2	1.7%
Australia and New Zealand	236	276	306	342	353	371	394	1.8%
China	3,874	3,779	3,707	3,619	3,521	3,397	3,398	-0.5%
India	757	841	1,082	1,230	1,350	1,382	1,444	2.3%
Other Asia Pacific	825	808	1,007	1,159	1,208	1,285	1,328	1.7%
<b>Africa and Middle East</b>	<b>205</b>	<b>214</b>	<b>265</b>	<b>300</b>	<b>317</b>	<b>345</b>	<b>351</b>	<b>1.9%</b>
Africa	204	214	265	300	317	344	351	1.9%
Middle East	0	0	0	0	0	0	0	2.4%
<b>World</b>	<b>7,418</b>	<b>7,343</b>	<b>7,571</b>	<b>7,889</b>	<b>7,982</b>	<b>8,122</b>	<b>8,254</b>	<b>0.4%</b>

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hz\_230821.151430 and Annual Energy Outlook 2023 (March 2023), [www.eia.gov/aeo](http://www.eia.gov/aeo)

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