

**Table A1. World total primary energy consumption by region, High Economic Growth case**

quadrillion British thermal units

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
<b>Americas</b>	<b>152.6</b>	<b>154.6</b>	<b>161.4</b>	<b>168.6</b>	<b>177.2</b>	<b>186.7</b>	<b>197.3</b>	<b>0.9%</b>
United States	98.9	99.2	100.7	102.5	105.0	108.4	112.6	0.5%
Canada	14.7	14.6	15.9	17.1	18.6	20.0	21.5	1.4%
Mexico	7.7	7.9	8.8	9.5	10.3	11.2	12.3	1.7%
Brazil	15.0	15.7	17.3	18.8	20.1	21.3	22.4	1.4%
Other Americas	16.4	17.0	18.7	20.7	23.2	25.7	28.5	2.0%
<b>Europe and Eurasia</b>	<b>130.0</b>	<b>133.4</b>	<b>138.7</b>	<b>146.4</b>	<b>155.3</b>	<b>166.2</b>	<b>178.6</b>	<b>1.1%</b>
Western Europe	84.2	86.3	89.3	93.4	97.7	102.8	109.3	0.9%
Russia	33.5	34.2	35.5	37.7	40.5	43.9	47.1	1.2%
Eastern Europe and Eurasia	12.3	12.9	13.9	15.3	17.1	19.5	22.2	2.1%
<b>Asia Pacific</b>	<b>292.6</b>	<b>313.2</b>	<b>353.9</b>	<b>392.0</b>	<b>429.8</b>	<b>470.9</b>	<b>510.8</b>	<b>2.0%</b>
Japan	18.5	18.6	17.5	17.2	17.1	17.0	17.1	-0.3%
South Korea	13.0	13.6	14.2	14.7	15.1	15.4	15.7	0.7%
Australia and New Zealand	7.2	7.3	7.9	8.4	8.9	9.4	9.9	1.2%
China	172.4	182.8	198.3	209.7	219.8	230.7	238.9	1.2%
India	38.3	43.7	58.8	75.7	93.2	112.6	133.1	4.5%
Other Asia Pacific	43.2	47.3	57.2	66.3	75.8	85.8	96.1	2.9%
<b>Africa and Middle East</b>	<b>62.6</b>	<b>67.3</b>	<b>73.2</b>	<b>80.8</b>	<b>89.6</b>	<b>100.4</b>	<b>112.7</b>	<b>2.1%</b>
Africa	24.3	26.4	30.8	36.0	42.0	49.3	57.6	3.1%
Middle East	38.3	40.9	42.4	44.8	47.5	51.0	55.1	1.3%
<b>World</b>	<b>637.8</b>	<b>668.4</b>	<b>727.2</b>	<b>787.8</b>	<b>851.9</b>	<b>924.1</b>	<b>999.4</b>	<b>1.6%</b>

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hm\_230821.151836 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. We converted electricity generation from renewable sources such as hydroelectric, wind, or solar to British thermal units at a rate of 8,124 British thermal units per kilowatthour, which reflects the average projected conversion efficiency of the U.S. fossil-fueled generating fleet in the Annual Energy Outlook 2021 over the projection period (2022–2050).