

**Table A1. World total primary energy consumption by region, Reference case**

quadrillion British thermal units

| Region                             | 2020         | 2025         | 2030         | 2035         | 2040         | 2045         | 2050         | Average annual percentage change, 2020–2050 |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------------------------|
| <b>OECD</b>                        |              |              |              |              |              |              |              |                                             |
| <b>OECD Americas</b>               | <b>118.2</b> | <b>126.0</b> | <b>127.5</b> | <b>130.9</b> | <b>134.6</b> | <b>139.7</b> | <b>145.2</b> | <b>0.7</b>                                  |
| United States                      | 92.9         | 98.4         | 98.6         | 100.0        | 101.9        | 105.0        | 108.7        | 0.5                                         |
| Canada                             | 14.6         | 15.4         | 16.1         | 16.8         | 17.5         | 18.3         | 19.0         | 0.9                                         |
| Mexico and other OECD Americas     | 10.6         | 12.1         | 12.9         | 14.1         | 15.1         | 16.4         | 17.6         | 1.7                                         |
| <b>OECD Europe</b>                 | <b>77.6</b>  | <b>82.1</b>  | <b>83.3</b>  | <b>85.9</b>  | <b>88.0</b>  | <b>90.7</b>  | <b>94.1</b>  | <b>0.6</b>                                  |
| <b>OECD Asia</b>                   | <b>37.2</b>  | <b>39.9</b>  | <b>40.5</b>  | <b>41.0</b>  | <b>41.2</b>  | <b>41.5</b>  | <b>42.0</b>  | <b>0.4</b>                                  |
| Japan                              | 18.3         | 18.7         | 18.4         | 18.1         | 17.7         | 17.4         | 17.2         | -0.2                                        |
| South Korea                        | 12.0         | 13.5         | 13.9         | 14.2         | 14.3         | 14.5         | 14.7         | 0.7                                         |
| Australia and New Zealand          | 6.9          | 7.7          | 8.2          | 8.7          | 9.1          | 9.6          | 10.1         | 1.3                                         |
| <b>Total OECD</b>                  | <b>232.9</b> | <b>248.0</b> | <b>251.3</b> | <b>257.7</b> | <b>263.8</b> | <b>272.0</b> | <b>281.3</b> | <b>0.6</b>                                  |
| <b>Non-OECD</b>                    |              |              |              |              |              |              |              |                                             |
| <b>Non-OECD Europe and Eurasia</b> | <b>52.6</b>  | <b>54.8</b>  | <b>56.9</b>  | <b>59.5</b>  | <b>61.9</b>  | <b>64.1</b>  | <b>66.0</b>  | <b>0.8</b>                                  |
| Russia                             | 34.4         | 36.3         | 37.6         | 39.2         | 40.5         | 41.6         | 42.3         | 0.7                                         |
| Other Europe and Eurasia           | 18.2         | 18.5         | 19.2         | 20.3         | 21.4         | 22.5         | 23.7         | 0.9                                         |
| <b>Non-OECD Asia</b>               | <b>230.3</b> | <b>267.2</b> | <b>292.8</b> | <b>320.8</b> | <b>349.4</b> | <b>378.5</b> | <b>402.8</b> | <b>1.9</b>                                  |
| China                              | 156.4        | 169.2        | 174.6        | 180.7        | 187.1        | 193.5        | 196.9        | 0.8                                         |
| India                              | 31.5         | 46.5         | 59.8         | 74.4         | 89.3         | 105.2        | 119.8        | 4.6                                         |
| Other Asia                         | 42.5         | 51.6         | 58.5         | 65.7         | 73.0         | 79.8         | 86.1         | 2.4                                         |
| <b>Middle East</b>                 | <b>35.2</b>  | <b>40.3</b>  | <b>41.7</b>  | <b>43.3</b>  | <b>46.1</b>  | <b>47.6</b>  | <b>48.3</b>  | <b>1.1</b>                                  |
| <b>Africa</b>                      | <b>22.9</b>  | <b>26.6</b>  | <b>29.6</b>  | <b>33.2</b>  | <b>37.0</b>  | <b>41.1</b>  | <b>46.0</b>  | <b>2.4</b>                                  |
| <b>Non-OECD Americas</b>           | <b>27.6</b>  | <b>30.8</b>  | <b>32.9</b>  | <b>35.0</b>  | <b>37.2</b>  | <b>39.5</b>  | <b>42.0</b>  | <b>1.4</b>                                  |
| Brazil                             | 14.9         | 16.7         | 17.7         | 18.7         | 19.6         | 20.2         | 20.8         | 1.1                                         |
| Other Non-OECD Americas            | 12.7         | 14.1         | 15.1         | 16.2         | 17.7         | 19.4         | 21.2         | 1.7                                         |
| <b>Total Non-OECD</b>              | <b>368.6</b> | <b>419.6</b> | <b>453.9</b> | <b>491.7</b> | <b>531.7</b> | <b>570.8</b> | <b>605.1</b> | <b>1.7</b>                                  |
| <b>Total World</b>                 | <b>601.5</b> | <b>667.5</b> | <b>705.2</b> | <b>749.5</b> | <b>795.4</b> | <b>842.8</b> | <b>886.3</b> | <b>1.3</b>                                  |

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](http://www.eia.gov/aeo)

Notes:

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