

**Table A1. World total primary energy consumption by region, Reference case, 2015-50**

quadrillion Btu

Region	2015	2020	2025	2030	2035	2040	2045	2050	Average annual percent change (2015-50)
<b>OECD</b>									
<b>OECD Americas</b>	<b>121.9</b>	<b>124.4</b>	<b>125.5</b>	<b>124.8</b>	<b>126.3</b>	<b>129.5</b>	<b>133.0</b>	<b>136.9</b>	<b>0.3</b>
United States /a	97.5	100.2	100.7	99.1	99.5	101.6	104.1	106.9	0.3
Canada	15.1	15.1	15.3	15.5	15.9	16.2	16.7	17.1	0.4
Mexico and Chile	9.3	9.1	9.5	10.2	10.9	11.6	12.2	12.9	0.9
<b>OECD Europe</b>	<b>79.8</b>	<b>80.5</b>	<b>81.0</b>	<b>83.0</b>	<b>84.8</b>	<b>87.2</b>	<b>88.8</b>	<b>91.4</b>	<b>0.4</b>
<b>OECD Asia</b>	<b>38.3</b>	<b>39.1</b>	<b>41.3</b>	<b>42.5</b>	<b>43.7</b>	<b>45.1</b>	<b>46.5</b>	<b>48.3</b>	<b>0.7</b>
Japan	19.6	19.2	19.7	19.4	19.1	18.8	18.5	18.3	-0.2
South Korea	11.7	12.8	13.8	14.7	15.5	16.4	17.2	18.1	1.3
Australia and New Zealand	6.9	7.2	7.8	8.4	9.1	9.9	10.8	11.9	1.6
<b>Total OECD</b>	<b>239.9</b>	<b>244.0</b>	<b>247.8</b>	<b>250.3</b>	<b>254.8</b>	<b>261.8</b>	<b>268.3</b>	<b>276.6</b>	<b>0.4</b>
<b>Non-OECD</b>									
<b>Non-OECD Europe and Eurasia</b>	<b>47.7</b>	<b>47.5</b>	<b>47.4</b>	<b>47.6</b>	<b>48.4</b>	<b>48.7</b>	<b>48.6</b>	<b>48.7</b>	<b>0.1</b>
Russia	30.2	29.8	29.8	30.0	30.4	30.3	29.8	29.2	-0.1
Other	17.5	17.7	17.6	17.7	18.0	18.4	18.8	19.5	0.3
<b>Non-OECD Asia</b>	<b>200.1</b>	<b>221.8</b>	<b>241.8</b>	<b>260.3</b>	<b>280.0</b>	<b>302.3</b>	<b>324.5</b>	<b>344.6</b>	<b>1.6</b>
China	133.1	146.4	155.9	161.2	166.8	172.5	177.9	181.6	0.9
India	28.4	33.3	38.0	44.3	51.9	60.7	69.2	76.5	2.9
Other	38.6	42.2	47.9	54.8	61.3	69.1	77.4	86.4	2.3
<b>Middle East</b>	<b>33.9</b>	<b>36.4</b>	<b>39.0</b>	<b>41.8</b>	<b>45.4</b>	<b>49.3</b>	<b>53.5</b>	<b>57.2</b>	<b>1.5</b>
<b>Africa</b>	<b>22.7</b>	<b>24.2</b>	<b>25.5</b>	<b>27.9</b>	<b>31.0</b>	<b>34.2</b>	<b>37.5</b>	<b>41.1</b>	<b>1.7</b>
<b>Non-OECD Americas</b>	<b>31.1</b>	<b>31.0</b>	<b>33.4</b>	<b>35.4</b>	<b>37.6</b>	<b>40.2</b>	<b>42.8</b>	<b>45.6</b>	<b>1.1</b>
Brazil	14.9	14.8	16.5	17.5	18.5	19.7	20.9	22.0	1.1
Other	16.2	16.2	17.0	17.9	19.1	20.4	22.0	23.6	1.1
<b>Total Non-OECD</b>	<b>335.5</b>	<b>360.9</b>	<b>387.1</b>	<b>413.0</b>	<b>442.4</b>	<b>474.7</b>	<b>506.9</b>	<b>537.1</b>	<b>1.4</b>
<b>Total World</b>	<b>575.4</b>	<b>604.9</b>	<b>634.9</b>	<b>663.2</b>	<b>697.3</b>	<b>736.5</b>	<b>775.2</b>	<b>813.7</b>	<b>1.0</b>

a/ Includes the 50 states and the District of Columbia.

Notes: Energy totals include net imports of coal coke and electricity generated from biomass in the United States.

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

The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2017), run IEO2017\_d2017.08.23\_153156 and EIA, *Annual Energy Outlook 2017*, DOE/EIA-0383(2017) (Washington, DC: January 2017); AEO2017 National Energy Modeling System, run ref2017.d120816a.