

**Table J2. World energy intensity by region, Reference case, 2011–40**  
(thousand Btu per 2010 dollar of GDP)

Region	History		Projections				Average annual percent change, 2012–40	
	2011	2012	2020	2025	2030	2035		2040
<b>OECD</b>								
OECD Americas	<b>6.5</b>	<b>6.2</b>	<b>5.4</b>	<b>4.8</b>	<b>4.4</b>	<b>4.0</b>	<b>3.7</b>	<b>-1.9</b>
United States <sup>a</sup>	6.4	6.1	5.4	4.8	4.3	3.9	3.5	-2.0
Canada	10.4	10.2	8.9	8.3	7.8	7.5	7.1	-1.3
Mexico and Chile	4.2	4.0	3.4	3.1	2.9	2.8	2.7	-1.4
OECD Europe	<b>4.4</b>	<b>4.4</b>	<b>3.9</b>	<b>3.7</b>	<b>3.5</b>	<b>3.3</b>	<b>3.2</b>	<b>-1.1</b>
OECD Asia	<b>5.7</b>	<b>5.5</b>	<b>5.4</b>	<b>5.3</b>	<b>5.1</b>	<b>4.9</b>	<b>4.8</b>	<b>-0.5</b>
Japan	4.9	4.7	4.7	4.6	4.4	4.3	4.1	-0.5
South Korea	7.4	7.3	7.1	6.9	6.6	6.4	6.1	-0.6
Australia and New Zealand	6.4	6.1	5.5	5.2	4.9	4.6	4.5	-1.1
<b>Total OECD</b>	<b>5.5</b>	<b>5.3</b>	<b>4.8</b>	<b>4.4</b>	<b>4.1</b>	<b>3.9</b>	<b>3.6</b>	<b>-1.4</b>
<b>Non-OECD</b>								
Non-OECD Europe and Eurasia	<b>9.3</b>	<b>9.2</b>	<b>7.8</b>	<b>7.1</b>	<b>6.3</b>	<b>5.5</b>	<b>4.9</b>	<b>-2.2</b>
Russia	9.7	9.8	9.1	8.4	7.6	6.9	6.1	-1.7
Other	8.6	8.2	6.3	5.5	4.8	4.2	3.7	-2.8
Non-OECD Asia	<b>6.4</b>	<b>6.3</b>	<b>5.0</b>	<b>4.4</b>	<b>3.9</b>	<b>3.5</b>	<b>3.2</b>	<b>-2.4</b>
China	8.2	8.0	6.4	5.4	4.7	4.1	3.7	-2.8
India	4.4	4.4	3.2	2.9	2.6	2.5	2.3	-2.3
Other	4.6	4.5	3.9	3.7	3.4	3.2	3.0	-1.5
Middle East	<b>6.0</b>	<b>6.2</b>	<b>5.9</b>	<b>5.3</b>	<b>4.9</b>	<b>4.7</b>	<b>4.4</b>	<b>-1.3</b>
Africa	<b>4.6</b>	<b>4.7</b>	<b>4.0</b>	<b>3.6</b>	<b>3.2</b>	<b>2.9</b>	<b>2.6</b>	<b>-2.2</b>
Non-OECD Americas	<b>4.7</b>	<b>4.7</b>	<b>4.2</b>	<b>4.0</b>	<b>3.8</b>	<b>3.6</b>	<b>3.5</b>	<b>-1.1</b>
Brazil	5.1	5.1	4.8	4.6	4.4	4.3	4.3	-0.7
Other	4.5	4.3	3.8	3.5	3.3	3.1	2.9	-1.4
<b>Total Non-OECD</b>	<b>6.3</b>	<b>6.3</b>	<b>5.2</b>	<b>4.6</b>	<b>4.1</b>	<b>3.7</b>	<b>3.4</b>	<b>-2.2</b>
<b>Total World</b>	<b>5.9</b>	<b>5.8</b>	<b>5.0</b>	<b>4.5</b>	<b>4.1</b>	<b>3.8</b>	<b>3.4</b>	<b>-1.9</b>

<sup>a</sup>Includes the 50 States and the District of Columbia.

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

Sources: **United States:** U.S. Energy Information Administration (EIA), *Annual Energy Outlook 2015*, DOE/EIA-0383(2015) (Washington, DC: April 2015); AEO2015 National Energy Modeling System, run REF2015.D021915A, [www.eia.gov/aeo](http://www.eia.gov/aeo). **Other countries:** Oxford Economic Model (June 2015), [www.oxfordeconomics.com](http://www.oxfordeconomics.com) (subscription site); and EIA, World Energy Projections Plus (2016), run IEO2016-reference\_final\_2016.02.19\_115008.