

**Table A11. World carbon dioxide emissions from liquids use by region, Reference case**

million metric tons carbon dioxide

Region	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
<b>OECD</b>								
<b>OECD Americas</b>	<b>2,590</b>	<b>2,840</b>	<b>2,814</b>	<b>2,824</b>	<b>2,861</b>	<b>2,937</b>	<b>3,022</b>	<b>0.5</b>
United States	2,016	2,188	2,158	2,149	2,158	2,195	2,241	0.4
Canada	261	292	295	299	304	311	320	0.7
Mexico and other OECD Americas	313	360	361	375	400	430	461	1.3
<b>OECD Europe</b>	<b>1,790</b>	<b>1,968</b>	<b>1,911</b>	<b>1,870</b>	<b>1,848</b>	<b>1,855</b>	<b>1,872</b>	<b>0.1</b>
<b>OECD Asia</b>	<b>991</b>	<b>1,040</b>	<b>1,011</b>	<b>988</b>	<b>969</b>	<b>958</b>	<b>949</b>	<b>-0.1</b>
Japan	464	456	419	388	363	345	329	-1.1
South Korea	368	395	393	389	384	382	377	0.1
Australia and New Zealand	160	190	200	211	221	232	243	1.4
<b>Total OECD</b>	<b>5,372</b>	<b>5,849</b>	<b>5,737</b>	<b>5,682</b>	<b>5,679</b>	<b>5,750</b>	<b>5,843</b>	<b>0.3</b>
<b>Non-OECD</b>								
<b>Non-OECD Europe and Eurasia</b>	<b>696</b>	<b>764</b>	<b>775</b>	<b>798</b>	<b>822</b>	<b>843</b>	<b>857</b>	<b>0.7</b>
Russia	435	478	477	486	491	497	497	0.5
Other Europe and Eurasia	262	287	298	313	330	347	359	1.1
<b>Non-OECD Asia</b>	<b>3,372</b>	<b>4,140</b>	<b>4,577</b>	<b>4,945</b>	<b>5,259</b>	<b>5,542</b>	<b>5,746</b>	<b>1.8</b>
China	1,723	2,015	2,126	2,149	2,125	2,083	2,029	0.5
India	564	787	1,004	1,223	1,433	1,627	1,776	3.9
Other Asia	1,085	1,338	1,447	1,573	1,701	1,832	1,942	2.0
<b>Middle East</b>	<b>994</b>	<b>1,096</b>	<b>1,040</b>	<b>1,035</b>	<b>1,057</b>	<b>1,074</b>	<b>1,085</b>	<b>0.3</b>
<b>Africa</b>	<b>584</b>	<b>688</b>	<b>731</b>	<b>793</b>	<b>875</b>	<b>976</b>	<b>1,086</b>	<b>2.1</b>
<b>Non-OECD Americas</b>	<b>734</b>	<b>859</b>	<b>901</b>	<b>946</b>	<b>1,000</b>	<b>1,061</b>	<b>1,122</b>	<b>1.4</b>
Brazil	382	440	454	470	484	498	508	1.0
Other Non-OECD Americas	352	419	446	477	515	563	615	1.9
<b>Total Non-OECD</b>	<b>6,381</b>	<b>7,547</b>	<b>8,023</b>	<b>8,517</b>	<b>9,013</b>	<b>9,496</b>	<b>9,896</b>	<b>1.5</b>
<b>Total World</b>	<b>11,752</b>	<b>13,396</b>	<b>13,760</b>	<b>14,199</b>	<b>14,691</b>	<b>15,246</b>	<b>15,739</b>	<b>1.0</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.