

**Table A11. World carbon dioxide emissions from liquids use by region, Low Economic Growth**

million metric tons carbon dioxide

Region	2020	2025	2030	2035	2040	2045
<b>OECD</b>						
<b>OECD Americas</b>	<b>2,590</b>	<b>2,759</b>	<b>2,664</b>	<b>2,622</b>	<b>2,612</b>	<b>2,627</b>
United States	2,016	2,114	2,027	1,979	1,955	1,949
Canada	261	289	289	289	289	292
Mexico and other OECD Americas	313	355	348	354	368	386
<b>OECD Europe</b>	<b>1,790</b>	<b>1,941</b>	<b>1,854</b>	<b>1,777</b>	<b>1,721</b>	<b>1,684</b>
<b>OECD Asia</b>	<b>991</b>	<b>1,023</b>	<b>974</b>	<b>928</b>	<b>888</b>	<b>855</b>
Japan	464	448	404	365	333	308
South Korea	368	387	376	363	350	338
Australia and New Zealand	160	188	193	200	205	209
<b>Total OECD</b>	<b>5,372</b>	<b>5,722</b>	<b>5,492</b>	<b>5,327</b>	<b>5,220</b>	<b>5,166</b>
<b>Non-OECD</b>						
<b>Non-OECD Europe and Eurasia</b>	<b>696</b>	<b>745</b>	<b>739</b>	<b>740</b>	<b>739</b>	<b>736</b>
Russia	435	467	458	454	446	438
Other Europe and Eurasia	262	279	282	286	293	299
<b>Non-OECD Asia</b>	<b>3,372</b>	<b>4,021</b>	<b>4,295</b>	<b>4,471</b>	<b>4,576</b>	<b>4,626</b>
China	1,723	1,960	2,010	1,972	1,891	1,792
India	565	760	928	1,081	1,214	1,320
Other Asia	1,085	1,301	1,357	1,418	1,472	1,513
<b>Middle East</b>	<b>994</b>	<b>1,066</b>	<b>972</b>	<b>919</b>	<b>891</b>	<b>863</b>
<b>Africa</b>	<b>585</b>	<b>675</b>	<b>700</b>	<b>734</b>	<b>788</b>	<b>853</b>
<b>Non-OECD Americas</b>	<b>734</b>	<b>836</b>	<b>846</b>	<b>856</b>	<b>878</b>	<b>913</b>
Brazil	382	426	421	413	409	408
Other Non-OECD Americas	352	410	425	443	469	505
<b>Total Non-OECD</b>	<b>6,382</b>	<b>7,344</b>	<b>7,552</b>	<b>7,720</b>	<b>7,872</b>	<b>7,992</b>
<b>Total World</b>	<b>11,753</b>	<b>13,066</b>	<b>13,045</b>	<b>13,047</b>	<b>13,092</b>	<b>13,158</b>

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Im\_210719.163843; and EIA, (February 2021), [www.eia.gov/aeo](http://www.eia.gov/aeo)

Notes:

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

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2050	Average annual percentage change, 2020–2050
<b>2,655</b>	<b>0.1</b>
1,952	-0.1
295	0.4
407	0.9
<b>1,659</b>	<b>-0.3</b>
<b>824</b>	<b>-0.6</b>
287	-1.6
324	-0.4
213	1.0
<b>5,138</b>	<b>-0.1</b>
<b>727</b>	<b>0.1</b>
427	-0.1
301	0.5
<b>4,617</b>	<b>1.1</b>
1,684	-0.1
1,383	3.0
1,550	1.2
<b>833</b>	<b>-0.6</b>
<b>917</b>	<b>1.5</b>
<b>954</b>	<b>0.9</b>
409	0.2
545	1.5
<b>8,048</b>	<b>0.8</b>
<b>13,186</b>	<b>0.4</b>

Annual Energy Outlook 2021 ,