

**Table A10. World carbon dioxide emissions by region, Low Oil Price case**

million metric tons of carbon dioxide

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
<b>Americas</b>	<b>6,992</b>	<b>6,758</b>	<b>6,206</b>	<b>6,263</b>	<b>6,418</b>	<b>6,647</b>	<b>6,899</b>	<b>0.0%</b>
United States	4,842	4,550	3,936	3,892	3,894	3,984	4,104	-0.6%
Canada	548	535	517	536	567	602	637	0.5%
Mexico	419	429	449	464	489	513	539	0.9%
Brazil	439	472	493	497	508	505	510	0.5%
Other Americas	744	771	810	874	961	1,043	1,109	1.4%
<b>Europe and Eurasia</b>	<b>6,361</b>	<b>6,425</b>	<b>6,289</b>	<b>6,304</b>	<b>6,396</b>	<b>6,631</b>	<b>6,868</b>	<b>0.3%</b>
Western Europe	3,803	3,834	3,678	3,613	3,563	3,642	3,708	-0.1%
Russia	1,815	1,840	1,837	1,876	1,945	2,018	2,092	0.5%
Eastern Europe and Eurasia	742	752	773	815	888	971	1,068	1.3%
<b>Asia Pacific</b>	<b>18,703</b>	<b>19,300</b>	<b>20,600</b>	<b>21,327</b>	<b>21,650</b>	<b>22,067</b>	<b>22,560</b>	<b>0.7%</b>
Japan	1,036	1,023	868	831	791	770	749	-1.2%
South Korea	639	656	657	652	646	642	637	0.0%
Australia and New Zealand	404	396	424	435	439	450	462	0.5%
China	11,498	11,655	11,785	11,674	11,185	10,840	10,646	-0.3%
India	2,446	2,689	3,446	3,933	4,406	4,816	5,138	2.7%
Other Asia Pacific	2,680	2,881	3,420	3,802	4,183	4,548	4,927	2.2%
<b>Africa and Middle East</b>	<b>3,606</b>	<b>3,757</b>	<b>3,896</b>	<b>4,168</b>	<b>4,469</b>	<b>4,785</b>	<b>5,106</b>	<b>1.2%</b>
Africa	1,331	1,375	1,494	1,679	1,881	2,091	2,312	2.0%
Middle East	2,275	2,382	2,402	2,489	2,588	2,695	2,794	0.7%
<b>World</b>	<b>35,661</b>	<b>36,240</b>	<b>36,991</b>	<b>38,062</b>	<b>38,934</b>	<b>40,130</b>	<b>41,433</b>	<b>0.5%</b>

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Ip\_230823.090253 and Annual Energy Outlook 2023 (March 2023), [www.eia.gov/aeo](http://www.eia.gov/aeo)

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