

Table A12. World carbon dioxide emissions from natural gas use by region, High Oil Price case

million metric tons carbon dioxide

Region	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
OECD								
OECD Americas	2,088	2,215	2,269	2,418	2,590	2,756	2,886	1.1
United States	1,672	1,726	1,720	1,801	1,903	2,005	2,096	0.8
Canada	237	266	295	330	377	420	458	2.2
Mexico and other OECD Americas	179	223	253	288	310	331	333	2.1
OECD Europe	1,037	1,107	1,137	1,150	1,190	1,244	1,302	0.8
OECD Asia	461	465	480	471	468	460	474	0.1
Japan	232	219	220	205	198	200	202	-0.5
South Korea	130	139	148	151	150	137	141	0.3
Australia and New Zealand	99	107	112	115	119	124	131	0.9
Total OECD	3,586	3,787	3,885	4,038	4,248	4,461	4,663	0.9
Non-OECD								
Non-OECD Europe and Eurasia	1,326	1,409	1,526	1,612	1,709	1,817	1,922	1.2
Russia	956	1,010	1,109	1,170	1,250	1,329	1,400	1.3
Other Europe and Eurasia	370	400	418	442	459	488	522	1.2
Non-OECD Asia	1,261	1,608	2,053	2,191	2,479	2,805	3,185	3.1
China	610	837	1,158	1,184	1,329	1,491	1,646	3.4
India	110	164	223	283	351	434	538	5.4
Other Asia	541	606	672	724	799	881	1,001	2.1
Middle East	1,020	1,193	1,281	1,350	1,453	1,530	1,601	1.5
Africa	300	334	393	451	514	546	627	2.5
Non-OECD Americas	301	321	335	365	377	396	436	1.2
Brazil	65	87	90	86	87	90	98	1.4
Other Non-OECD Americas	236	234	245	279	290	306	338	1.2
Total Non-OECD	4,209	4,865	5,588	5,969	6,532	7,095	7,771	2.1
Total World	7,795	8,652	9,474	10,007	10,780	11,556	12,434	1.6

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hp_210719.163813; and EIA, *Annual Energy Outlook 2021*, (February 2021), www.eia.gov/aeo

Notes:

* Values presented are gross CO₂ emissions; CO₂ captured by CCS, accounting for less than 0.2% of the 2050 world total, is not subtracted

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