

Table A11. World carbon dioxide emissions from liquids use by region, Reference case, 2015-50

million metric tons carbon dioxide

Region	2015	2020	2025	2030	2035	2040	2045	2050	Average annual percent change (2015-50)
OECD									
OECD Americas	2,891	2,917	2,834	2,739	2,713	2,755	2,828	2,915	0.0
United States /a	2,294	2,345	2,261	2,164	2,127	2,151	2,208	2,278	0.0
Canada	302	296	286	281	280	281	284	289	-0.1
Mexico and Chile	295	277	287	294	306	323	335	347	0.5
OECD Europe	1,855	1,841	1,759	1,733	1,721	1,712	1,684	1,672	-0.3
OECD Asia	939	895	893	898	903	911	921	939	0.0
Japan	498	433	422	410	398	384	371	362	-0.9
South Korea	274	293	291	300	309	320	330	339	0.6
Australia and New Zealand	167	168	180	188	196	207	220	238	1.0
Total OECD	5,685	5,653	5,486	5,370	5,336	5,378	5,433	5,526	-0.1
Non-OECD									
Non-OECD Europe and Eurasia	779	779	752	735	740	735	725	715	-0.2
Russia	502	496	482	472	469	462	448	433	-0.4
Other	277	283	270	263	271	274	277	282	0.0
Non-OECD Asia	3,257	3,698	4,112	4,470	4,834	5,218	5,565	5,822	1.7
China	1,552	1,775	1,987	2,100	2,165	2,185	2,179	2,107	0.9
India	518	639	693	787	916	1,069	1,207	1,310	2.7
Other	1,187	1,284	1,432	1,583	1,754	1,964	2,179	2,405	2.0
Middle East	1,082	1,205	1,177	1,145	1,208	1,288	1,375	1,439	0.8
Africa	578	621	613	656	722	810	913	1,037	1.7
Non-OECD Americas	857	867	917	951	993	1,051	1,113	1,179	0.9
Brazil	352	341	372	390	405	426	446	467	0.8
Other	505	526	544	561	588	625	667	712	1.0
Total Non-OECD	6,552	7,170	7,572	7,957	8,496	9,103	9,691	10,192	1.3
Total World	12,237	12,823	13,058	13,327	13,832	14,480	15,123	15,718	0.7

a/ Includes the 50 states and the District of Columbia.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System Plus (2017), run IEO2017_d2017.08.23_153156 and EIA, *Annual Energy Outlook 2017*, DOE/EIA-0383(2017) (Washington, DC: January 2017); AEO2017 National Energy Modeling System, run ref2017.d120816a, www.eia.gov/aeo.