

Table A10. World carbon dioxide emissions by region, Reference case, 2011–40
(million metric tons carbon dioxide)

Region	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
OECD								
OECD Americas	6,558	6,343	6,569	6,620	6,675	6,769	6,887	0.3
United States ^a	5,483	5,272	5,499	5,511	5,514	5,521	5,549	0.2
Canada	562	563	557	577	587	621	647	0.5
Mexico and Chile	513	508	513	533	573	628	690	1.1
OECD Europe	4,193	4,124	4,096	4,170	4,252	4,317	4,415	0.2
OECD Asia	2,270	2,322	2,361	2,388	2,407	2,460	2,513	0.3
Japan	1,185	1,247	1,176	1,175	1,159	1,144	1,111	-0.4
South Korea	642	639	734	742	761	803	850	1.0
Australia and New Zealand	442	436	451	470	487	513	552	0.8
Total OECD	13,021	12,790	13,026	13,178	13,334	13,547	13,815	0.3
Non-OECD								
Non-OECD Europe and Eurasia	2,845	2,938	2,914	3,038	3,128	3,198	3,170	0.3
Russia	1,695	1,795	1,814	1,862	1,897	1,924	1,864	0.1
Other	1,150	1,143	1,100	1,176	1,231	1,275	1,306	0.5
Non-OECD Asia	11,785	12,195	14,456	15,505	16,386	17,482	18,682	1.5
China	8,119	8,378	9,861	10,371	10,636	10,878	11,051	1.0
India	1,663	1,778	2,143	2,394	2,693	3,161	3,732	2.7
Other	2,003	2,038	2,452	2,740	3,057	3,443	3,898	2.3
Middle East	1,828	1,894	2,399	2,608	2,887	3,171	3,446	2.2
Africa	1,120	1,184	1,438	1,594	1,760	1,973	2,239	2.3
Non-OECD Americas	1,242	1,271	1,398	1,509	1,608	1,725	1,865	1.4
Brazil	475	501	549	599	650	704	764	1.5
Other	767	769	849	910	958	1,021	1,101	1.3
Total Non-OECD	18,818	19,481	22,605	24,254	25,769	27,549	29,402	1.5
Total World	31,839	32,271	35,631	37,432	39,103	41,096	43,217	1.0

^aIncludes the 50 States and the District of Columbia.

Notes: Totals may not equal sum of components due to independent rounding. The U.S. numbers include carbon dioxide emissions from electricity generation using nonbiogenic municipal solid waste and geothermal energy.

Sources: History: U.S. Energy Information Administration (EIA), International Energy Statistics database (as of May 2015), www.eia.gov/ies.

Projections: EIA, *Annual Energy Outlook 2015*, DOE/EIA-0383(2015) (Washington, DC: April 2015); AEO2015 National Energy Modeling System, run REF2015.D021915A, www.eia.gov/aeo; and World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.