

Table J1. World carbon dioxide intensity of energy use by region, Reference case, 2011–40
(metric tons per billion Btu)

Region	History		Projections				Average annual percent change, 2012–40	
	2011	2012	2020	2025	2030	2035		2040
OECD								
OECD Americas	53.6	53.0	52.3	51.7	51.1	50.6	49.9	-0.2
United States ^a	55.7	55.0	54.5	54.0	53.6	53.2	52.5	-0.2
Canada	38.8	38.9	37.0	37.0	36.1	36.2	35.8	-0.3
Mexico and Chile	55.1	55.3	52.4	50.7	49.5	49.0	48.2	-0.5
OECD Europe	51.2	50.7	48.3	47.7	47.1	46.4	46.2	-0.3
OECD Asia	57.5	59.6	54.4	53.0	52.1	51.9	51.8	-0.5
Japan	55.9	60.1	53.7	52.6	51.9	51.6	51.8	-0.5
South Korea	56.7	56.1	52.8	50.6	49.5	49.9	50.3	-0.4
Australia and New Zealand	63.8	63.8	59.4	58.4	57.2	55.9	54.6	-0.6
Total OECD	53.4	53.3	51.3	50.6	49.9	49.4	49.0	-0.3
Non-OECD								
Non-OECD Europe and Eurasia	57.0	58.0	56.2	55.5	55.5	55.3	55.0	-0.2
Russia	54.9	56.0	54.7	53.7	54.0	54.2	54.0	-0.1
Other	60.4	61.3	58.9	58.6	57.8	57.0	56.5	-0.3
Non-OECD Asia	70.1	69.3	64.9	62.9	60.7	59.2	58.0	-0.6
China	74.2	72.8	67.0	65.1	62.4	60.2	58.1	-0.8
India	66.6	68.0	65.4	62.3	60.0	59.9	59.9	-0.5
Other	59.3	58.7	57.5	56.4	56.0	55.9	56.0	-0.2
Middle East	61.2	59.8	58.8	57.4	56.9	56.0	55.7	-0.2
Africa	55.7	55.0	55.0	53.2	52.1	51.4	50.9	-0.3
Non-OECD Americas	40.7	41.0	41.7	41.1	40.5	39.9	39.4	-0.1
Brazil	32.1	32.9	33.7	33.0	32.5	31.9	31.4	-0.2
Other	48.8	48.7	49.4	48.9	48.5	48.1	47.9	-0.1
Total Non-OECD	63.0	62.7	60.3	58.7	57.2	56.1	55.2	-0.5
Total World	58.7	58.6	56.7	55.5	54.5	53.7	53.0	-0.4

^aIncludes the 50 States and the District of Columbia.

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

Sources: U.S. Energy Information Administration (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.