

Appendix B

High Economic Growth case projections

THIS PAGE INTENTIONALLY LEFT BLANK

Table B1. World total primary energy consumption by region, High Economic Growth case, 2011–40
(quadrillion Btu)

Region	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
OECD								
OECD Americas	120.6	118.1	128.2	132.3	137.0	142.4	150.1	0.9
United States ^a	96.8	94.4	103.1	105.9	108.5	111.4	116.2	0.7
Canada	14.5	14.5	15.1	15.8	16.6	17.6	18.8	0.9
Mexico and Chile	9.3	9.2	9.9	10.7	11.9	13.4	15.1	1.8
OECD Europe	82.0	81.4	85.4	88.7	92.3	95.8	99.3	0.7
OECD Asia	39.4	39.0	43.6	45.9	47.3	49.0	50.5	0.9
Japan	21.2	20.8	22.0	22.8	22.8	22.8	22.2	0.2
South Korea	11.3	11.4	14.0	14.9	15.8	16.7	17.7	1.6
Australia and New Zealand	6.9	6.8	7.6	8.2	8.7	9.5	10.6	1.6
Total OECD	242.0	238.4	257.2	266.9	276.5	287.2	299.9	0.8
Non-OECD								
Non-OECD Europe and Eurasia	49.9	50.7	52.0	55.1	56.9	58.7	58.8	0.5
Russia	30.9	32.1	33.3	35.0	35.6	36.2	35.4	0.4
Other	19.0	18.6	18.7	20.1	21.4	22.5	23.3	0.8
Non-OECD Asia	168.2	175.9	225.0	252.3	279.7	309.8	342.5	2.4
China	109.4	115.0	148.9	163.9	177.6	190.7	203.3	2.1
India	25.0	26.2	33.1	39.1	46.0	54.5	64.8	3.3
Other	33.7	34.7	43.0	49.3	56.1	64.5	74.4	2.8
Middle East	29.9	31.7	41.2	46.6	52.7	59.6	66.2	2.7
Africa	20.1	21.5	26.3	30.4	34.4	39.4	45.4	2.7
Non-OECD Americas	30.5	31.0	33.8	37.4	40.8	44.9	49.6	1.7
Brazil	14.8	15.2	16.4	18.5	20.5	22.9	25.5	1.9
Other	15.7	15.8	17.4	18.9	20.3	22.1	24.1	1.5
Total Non-OECD	298.6	310.8	378.3	421.7	464.6	512.3	562.4	2.1
Total World	540.5	549.3	635.5	688.6	741.1	799.6	862.3	1.6

^aIncludes the 50 States and the District of Columbia.

Notes: Energy totals include net imports of coal coke and electricity generated from biomass in the United States. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** U.S. Energy Information Administration (EIA), International Energy Statistics database (as of May 2015), www.eia.gov/ies; and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2014), www.iea.org (subscription site). **Projections:** EIA, *Annual Energy Outlook 2015*, DOE/EIA-0383(2015) (Washington, DC: April 2015); AEO2015 National Energy Modeling System, run HIGHMACRO. D021915A, www.eia.gov/aeo; and World Energy Projection System Plus (2016), run IEO2016-macro_high_2016.02.19_115030.

Table B2. World gross domestic product (GDP) by region expressed in purchasing power parity, High Economic Growth case, 2011–40
(billion 2010 dollars)

Region	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
OECD								
OECD Americas	18,616	19,080	24,230	28,258	32,427	36,956	42,539	2.9
United States ^a	15,021	15,369	19,590	22,852	26,146	29,678	34,146	2.9
Canada	1,396	1,422	1,717	1,921	2,143	2,398	2,680	2.3
Mexico and Chile	2,200	2,288	2,923	3,485	4,138	4,880	5,713	3.3
OECD Europe	18,670	18,638	21,717	24,201	26,671	29,224	31,986	1.9
OECD Asia	6,904	7,051	8,112	8,813	9,405	10,107	10,797	1.5
Japan	4,299	4,373	4,735	5,037	5,191	5,379	5,458	0.8
South Korea	1,528	1,563	1,984	2,191	2,418	2,669	2,946	2.3
Australia and New Zealand	1,077	1,115	1,393	1,586	1,796	2,059	2,393	2.8
Total OECD	44,189	44,769	54,059	61,273	68,503	76,287	85,322	2.3
Non-OECD								
Non-OECD Europe and Eurasia	5,380	5,535	6,660	7,885	9,222	10,765	12,356	2.9
Russia	3,165	3,273	3,678	4,199	4,772	5,436	6,008	2.2
Other	2,215	2,262	2,983	3,686	4,449	5,329	6,348	3.8
Non-OECD Asia	26,261	27,914	44,786	57,945	72,832	90,113	110,412	5.0
China	13,286	14,309	23,591	30,694	38,509	47,203	56,956	5.1
India	5,706	5,957	10,318	13,805	17,844	22,733	28,711	5.8
Other	7,268	7,648	10,878	13,446	16,478	20,177	24,744	4.3
Middle East	4,986	5,072	7,098	8,917	10,913	13,124	15,570	4.1
Africa	4,355	4,561	6,610	8,460	10,861	13,967	17,926	5.0
Non-OECD Americas	6,427	6,604	8,067	9,503	10,968	12,593	14,479	2.8
Brazil	2,916	2,968	3,462	4,063	4,683	5,359	6,123	2.6
Other	3,510	3,636	4,605	5,441	6,285	7,234	8,356	3.0
Total Non-OECD	47,408	49,686	73,223	92,710	114,795	140,563	170,743	4.5
Total World	91,598	94,455	127,282	153,982	183,298	216,849	256,065	3.6

^aIncludes the 50 States and the District of Columbia.

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

Sources: Derived from Oxford Economic Model (June 2015), www.oxfordeconomics.com (subscription site); and EIA, *Annual Energy Outlook 2015*, DOE/EIA-0383(2015) (Washington, DC: April 2015); AEO2015 National Energy Modeling System, run HIGHMACRO.D021915A, www.eia.gov/aeo.