

Table A2. World total energy consumption by region and fuel, Reference case, 2011–40
(quadrillion Btu)

Region	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
OECD								
OECD Americas								
Liquids	45.3	44.6	46.4	46.1	46.0	46.2	46.7	0.2
Natural gas	31.8	32.8	33.9	35.5	37.7	39.5	41.4	0.8
Coal	21.0	18.7	20.3	20.5	20.1	20.0	20.0	0.2
Nuclear	9.4	9.2	9.5	9.4	9.5	9.5	9.7	0.2
Other	13.1	12.9	15.6	16.6	17.5	18.6	20.3	1.6
Total	120.6	118.1	125.7	128.1	130.7	133.8	138.1	0.6
OECD Europe								
Liquids	30.4	29.6	28.3	28.0	28.2	28.5	28.8	-0.1
Natural gas	19.2	18.3	19.7	21.1	23.0	24.3	26.1	1.3
Coal	12.9	13.4	13.2	13.3	13.1	12.8	12.6	-0.2
Nuclear	8.8	8.6	7.9	8.3	8.8	9.0	8.5	0.0
Other	10.7	11.5	15.7	16.7	17.3	18.5	19.6	1.9
Total	82.0	81.4	84.9	87.5	90.3	93.1	95.5	0.6
OECD Asia								
Liquids	16.0	16.8	15.7	15.4	15.3	15.3	15.3	-0.3
Natural gas	8.2	8.4	9.5	10.5	11.1	12.1	13.0	1.6
Coal	9.7	9.7	10.2	10.1	10.1	10.1	10.1	0.1
Nuclear	3.0	1.6	3.9	4.5	4.7	4.6	4.4	3.7
Other	2.5	2.5	4.1	4.6	5.1	5.4	5.7	3.0
Total	39.4	39.0	43.4	45.0	46.2	47.4	48.5	0.8
Total OECD								
Liquids	91.7	90.9	90.4	89.5	89.5	90.0	90.8	0.0
Natural gas	59.2	59.5	63.1	67.1	71.7	75.9	80.5	1.1
Coal	43.6	41.8	43.7	44.0	43.3	42.9	42.7	0.1
Nuclear	21.2	19.3	21.3	22.1	23.0	23.1	22.5	0.6
Other	26.3	27.0	35.5	37.9	39.8	42.5	45.5	1.9
Total	242.0	238.4	253.9	260.6	267.2	274.3	282.1	0.6
Non-OECD								
Non-OECD Europe and Eurasia								
Liquids	10.8	10.7	12.0	12.7	12.7	12.8	12.6	0.6
Natural gas	23.4	23.7	23.1	24.5	25.7	26.7	26.7	0.4
Coal	9.6	10.2	9.4	9.4	9.6	9.8	9.6	-0.2
Nuclear	3.0	3.1	3.9	4.3	4.3	4.3	4.3	1.2
Other	3.0	3.0	3.4	3.8	4.0	4.3	4.4	1.4
Total	49.9	50.7	51.8	54.8	56.4	57.9	57.6	0.5
Non-OECD Asia								
Liquids	42.1	44.3	55.8	61.4	67.2	73.8	81.2	2.2
Natural gas	15.0	15.5	21.5	28.1	35.2	44.0	52.5	4.4
Coal	93.3	95.5	109.2	112.9	114.4	116.6	119.5	0.8
Nuclear	1.6	1.7	4.8	6.9	10.9	13.5	16.2	8.3
Other	16.1	18.8	31.5	37.1	42.1	47.2	52.6	3.7
Total	168.2	175.9	222.7	246.4	269.9	295.1	322.1	2.2

See notes at end of table.

Table A2. World total energy consumption by region and fuel, Reference case, 2011–40 (continued)
(quadrillion Btu)

Region	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Non-OECD (continued)								
Middle East								
Liquids	15.1	16.0	20.9	21.7	23.3	25.3	27.1	1.9
Natural gas	14.5	15.4	18.6	21.5	24.7	27.4	30.3	2.5
Coal	0.1	0.1	0.1	0.1	0.2	0.2	0.2	3.2
Nuclear	0.0	0.0	0.4	0.6	1.0	1.3	1.6	18.4
Other	0.2	0.2	0.8	1.4	1.6	2.3	2.6	9.0
Total	29.9	31.7	40.8	45.4	50.7	56.6	61.8	2.4
Africa								
Liquids	7.0	7.4	9.5	10.6	11.6	12.8	14.6	2.5
Natural gas	4.1	4.7	5.8	6.6	8.1	9.9	11.7	3.3
Coal	4.6	4.8	5.4	5.8	6.0	6.4	7.0	1.4
Nuclear	0.1	0.1	0.1	0.2	0.3	0.3	0.4	4.4
Other	4.3	4.5	5.4	6.8	7.8	9.0	10.3	3.0
Total	20.1	21.5	26.1	30.0	33.8	38.4	44.0	2.6
Non-OECD Americas								
Liquids	13.6	14.2	15.6	16.6	17.5	18.5	19.8	1.2
Natural gas	5.4	5.4	6.2	7.0	7.8	8.6	9.6	2.0
Coal	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.0
Nuclear	0.2	0.2	0.4	0.4	0.8	0.8	0.9	5.1
Other	10.4	10.3	10.5	11.9	12.8	14.3	15.9	1.6
Total	30.5	31.0	33.5	36.7	39.7	43.3	47.3	1.5
Total Non-OECD								
Liquids	88.6	92.6	113.8	123.0	132.3	143.3	155.3	1.9
Natural gas	62.4	64.8	75.2	87.8	101.4	116.6	130.9	2.5
Coal	108.4	111.5	124.9	129.2	131.2	134.0	137.5	0.8
Nuclear	5.0	5.2	9.6	12.4	17.2	20.3	23.4	5.5
Other	34.1	36.8	51.5	60.9	68.3	77.0	85.8	3.1
Total	298.6	310.8	375.0	413.3	450.5	491.2	532.8	1.9
Total World								
Liquids	180.3	183.6	204.2	212.5	221.8	233.2	246.0	1.1
Natural gas	121.6	124.2	138.3	154.8	173.1	192.5	211.4	1.9
Coal	152.0	153.3	168.6	173.2	174.4	176.9	180.2	0.6
Nuclear	26.2	24.5	30.9	34.6	40.2	43.4	46.0	2.3
Other	60.4	63.8	87.0	98.8	108.1	119.5	131.4	2.6
Total	540.5	549.3	628.9	673.9	717.7	765.6	815.0	1.4

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. 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.