

Table F3. Delivered energy consumption in the United States by end-use sector and fuel, 2011–40
(quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	1.1	0.9	0.7	0.7	0.6	0.5	0.5	-2.1
Natural gas	4.8	4.3	4.6	4.5	4.5	4.4	4.3	0.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	4.9	4.7	4.9	4.9	5.1	5.2	5.4	0.5
Renewables	0.5	0.4	0.4	0.4	0.4	0.4	0.4	-0.8
Total	11.3	10.3	10.6	10.5	10.6	10.6	10.6	0.1
Commercial								
Liquids	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Natural gas	3.2	3.0	3.3	3.3	3.4	3.6	3.7	0.8
Coal	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Electricity	4.5	4.5	4.8	5.0	5.2	5.4	5.7	0.8
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
Total	8.6	8.2	8.9	9.1	9.4	9.7	10.1	0.7
Industrial								
Liquids	8.0	8.1	9.6	10.2	10.4	10.5	10.6	1.0
Natural gas	8.5	8.8	10.2	10.4	10.7	10.9	11.2	0.9
Coal	1.5	1.5	1.5	1.5	1.5	1.4	1.4	-0.1
Electricity	3.4	3.4	3.7	4.0	4.0	4.1	4.1	0.7
Renewables	2.2	2.2	2.3	2.4	2.4	2.4	2.5	0.4
Total	23.6	24.0	27.4	28.6	29.1	29.3	29.8	0.8
Transportation								
Liquids	25.9	25.3	26.3	25.6	25.0	24.9	24.8	-0.1
Natural gas	0.7	0.8	0.9	1.0	1.1	1.3	1.7	2.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.1	0.1	3.4
Total	26.7	26.2	27.2	26.6	26.2	26.2	26.5	0.0
All end-use sectors								
Liquids	35.6	34.9	36.9	36.7	36.3	36.1	36.0	0.1
Natural gas	17.3	16.8	19.0	19.3	19.8	20.2	20.9	0.8
Coal	1.6	1.5	1.6	1.6	1.5	1.5	1.5	0.0
Electricity	12.8	12.6	13.4	13.9	14.3	14.7	15.3	0.7
Renewables	2.8	2.8	2.9	2.9	2.9	2.9	3.0	0.2
Delivered energy	70.1	68.7	73.8	74.4	74.9	75.4	76.6	0.4
Electricity-related losses	26.7	25.7	27.0	27.6	28.0	28.5	29.1	0.4
Total	96.8	94.4	100.8	102.0	102.9	103.8	105.7	0.4
Electric power^a								
Liquids	0.3	0.2	0.2	0.2	0.2	0.2	0.2	-0.9
Natural gas	7.7	9.3	7.8	8.3	9.0	9.4	9.6	0.1
Coal	18.0	15.8	17.6	17.8	17.6	17.5	17.5	0.4
Nuclear	8.3	8.1	8.4	8.5	8.5	8.5	8.7	0.3
Renewables	5.1	4.9	6.5	6.8	7.1	7.6	8.3	1.9
Total	39.5	38.3	40.4	41.5	42.4	43.2	44.4	0.5
Unspecified sector	0.0	0.0	-0.3	-0.4	-0.4	-0.4	-0.4	—
Total energy consumption								
Liquids	35.9	35.2	37.1	36.9	36.5	36.3	36.2	0.1
Natural gas	25.0	26.1	26.8	27.6	28.8	29.6	30.5	0.6
Coal	19.6	17.3	19.2	19.3	19.2	19.0	19.0	0.3
Nuclear	8.3	8.1	8.4	8.5	8.5	8.5	8.7	0.3
Renewables	7.9	7.7	9.3	9.7	9.9	10.4	11.3	1.4
Total	96.8	94.4	100.8	102.0	102.9	103.8	105.7	0.4

^aFuel inputs used in the production of electricity and heat, excluding captive generators.Sources: EIA, Annual Energy Outlook 2015, DOE/EIA-0383(2015) (Washington, DC: April 2015); AEO2015 National Energy Modeling System, run REF2015.D021915A, www.eia.gov/aoe.

Table F10. Total non-OECD delivered energy consumption by end-use sector and fuel, 2011–40
(quadrillion Btu)

Sector/fuel	History			Projections				Average annual percent change, 2012-40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	5.0	5.2	5.9	5.8	5.7	5.5	5.4	0.1
Natural gas	8.6	8.4	10.4	11.8	13.0	14.1	14.9	2.1
Coal	3.9	4.1	3.8	3.6	3.5	3.4	3.4	-0.7
Electricity	7.6	8.1	11.3	13.8	16.3	19.0	22.2	3.7
Renewables	0.0	0.7	0.7	0.7	0.8	0.8	0.8	0.8
Total	25.0	26.4	32.1	35.7	39.2	42.9	46.7	2.1
Commercial								
Liquids	1.3	1.4	1.6	1.7	1.7	1.8	1.8	0.9
Natural gas	1.7	1.8	2.3	2.5	2.8	2.9	2.9	1.7
Coal	1.0	1.1	1.1	1.2	1.2	1.2	1.3	0.4
Electricity	4.7	4.9	6.7	8.0	9.3	10.7	12.1	3.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	8.8	9.3	11.7	13.4	15.0	16.6	18.1	2.4
Industrial								
Liquids	38.0	39.3	43.3	46.7	50.3	54.2	57.9	1.4
Natural gas	28.2	29.7	33.6	38.6	43.8	49.6	54.7	2.2
Coal	45.9	47.3	53.4	55.5	57.1	58.6	59.7	0.8
Electricity	20.4	21.0	25.5	27.9	29.7	31.5	33.1	1.6
Renewables	11.2	11.8	12.5	13.9	15.4	17.1	19.0	1.7
Total	143.6	149.0	168.3	182.6	196.3	211.0	224.5	1.5
Transportation								
Liquids	42.0	44.1	53.3	59.7	65.7	72.3	79.9	2.1
Natural gas	2.4	2.3	3.8	5.2	7.6	10.1	13.2	6.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.3	0.3	0.6	0.7	0.9	1.1	1.3	5.0
Total	44.6	46.8	57.6	65.7	74.1	83.5	94.4	2.5
All end-use sectors								
Liquids	86.2	90.0	104.2	113.9	123.4	133.8	145.0	1.7
Natural gas	40.9	42.2	50.0	58.1	67.1	76.7	85.7	2.6
Coal	50.8	52.5	58.3	60.3	61.8	63.2	64.3	0.7
Electricity	32.9	34.4	44.1	50.3	56.1	62.4	68.7	2.5
Renewables	11.3	12.4	13.2	14.7	16.2	17.9	19.9	1.7
Delivered energy	222.1	231.5	269.7	297.3	324.6	354.0	383.6	1.8
Electricity-related losses	76.5	79.3	105.3	116.0	125.9	137.3	149.2	2.3
Total	298.6	310.8	375.0	413.3	450.5	491.2	532.8	1.9
Electric power^a								
Liquids	6.1	6.4	6.0	5.2	4.6	4.4	4.2	-1.5
Natural gas	20.9	22.1	25.2	29.7	34.3	39.9	45.1	2.6
Coal	57.5	58.9	66.6	68.9	69.4	70.9	73.2	0.8
Nuclear	5.0	5.2	9.6	12.4	17.2	20.3	23.4	5.5
Renewables	22.8	24.3	38.3	46.3	52.1	59.1	66.0	3.6
Total	112.3	116.9	145.7	162.4	177.7	194.6	211.9	2.1
Unspecified sector	-2.6	-2.9	3.7	3.9	4.3	5.0	6.0	—
Total energy consumption								
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
Renewables	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

^aFuel inputs used in the production of electricity and heat, excluding captive generators.Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F11. Delivered energy consumption in Russia by end-use sector and fuel, 2011–40
 (quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.4	0.4	0.4	0.4	0.4	0.4	0.4	-0.2
Natural gas	2.9	2.6	2.9	3.0	3.0	3.0	2.9	0.4
Coal	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-0.6
Electricity	0.5	0.5	0.5	0.6	0.7	0.8	0.9	2.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Total	4.0	3.8	4.2	4.4	4.4	4.5	4.5	0.6
Commercial								
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Natural gas	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.2
Coal	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.2
Electricity	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.7
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Total	1.2	1.3	1.4	1.5	1.5	1.6	1.6	0.8
Industrial								
Liquids	3.6	3.7	3.3	3.4	3.3	3.3	3.1	-0.6
Natural gas	5.1	5.5	5.1	5.3	5.4	5.4	4.9	-0.4
Coal	2.1	2.4	2.3	2.4	2.4	2.4	2.2	-0.3
Electricity	1.7	1.7	1.6	1.6	1.7	1.7	1.6	-0.3
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.2
Total	12.6	13.4	12.4	12.8	12.9	12.8	11.8	-0.4
Transportation								
Liquids	3.2	3.4	3.5	3.6	3.6	3.6	3.6	0.2
Natural gas	1.1	1.0	1.1	1.2	1.4	1.6	1.8	2.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total	4.3	4.4	4.6	4.9	5.1	5.3	5.5	0.8
All end-use sectors								
Liquids	7.3	7.6	7.4	7.5	7.5	7.4	7.2	-0.2
Natural gas	9.4	9.5	9.5	10.0	10.2	10.4	10.1	0.2
Coal	2.6	3.0	2.8	2.9	2.9	2.9	2.7	-0.3
Electricity	2.7	2.8	2.8	3.0	3.2	3.4	3.4	0.7
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.2
Delivered energy	22.2	22.9	22.6	23.6	23.9	24.3	23.4	0.1
Electricity-related losses	8.7	9.1	10.6	11.1	11.2	11.2	11.1	0.7
Total	30.9	32.1	33.2	34.7	35.1	35.5	34.5	0.3
Electric power^a								
Liquids	0.3	0.3	0.1	0.3	0.3	0.3	0.3	-0.2
Natural gas	6.1	6.5	6.3	6.2	6.4	6.5	6.3	-0.1
Coal	2.1	2.5	2.5	2.4	2.6	2.8	2.8	0.5
Nuclear	1.8	1.8	2.5	2.9	2.6	2.5	2.4	1.0
Renewables	1.6	1.6	1.7	2.1	2.3	2.4	2.4	1.4
Total	11.9	12.6	13.1	13.9	14.1	14.4	14.2	0.4
Unspecified sector	-0.2	-0.5	0.2	0.2	0.2	0.2	0.2	—
Total energy consumption								
Liquids	6.9	7.0	7.7	8.1	8.0	8.0	7.7	0.3
Natural gas	15.7	16.1	15.7	16.2	16.6	16.9	16.4	0.1
Coal	4.7	5.4	5.3	5.3	5.5	5.7	5.5	0.1
Nuclear	1.8	1.8	2.5	2.9	2.6	2.5	2.4	1.0
Renewables	1.7	1.7	1.8	2.2	2.4	2.5	2.5	1.3
Total	30.9	32.1	33.2	34.7	35.1	35.5	34.5	0.3

^aFuel inputs used in the production of electricity and heat, excluding captive generators.

Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F12. Delivered energy consumption in Other Non-OECD Europe and Eurasia by end-use sector and fuel, 2011–40
 (quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012-40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0
Natural gas	1.8	1.8	2.3	2.5	2.7	2.9	3.0	1.8
Coal	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.2
Electricity	0.5	0.5	0.6	0.7	0.9	1.0	1.1	3.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	2.7	2.7	3.3	3.6	3.9	4.2	4.5	1.9
Commercial								
Liquids	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.9
Natural gas	0.6	0.6	0.8	0.9	1.0	1.1	1.1	1.9
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.3
Electricity	0.3	0.3	0.4	0.4	0.5	0.6	0.7	2.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Total	1.1	1.0	1.3	1.5	1.6	1.7	1.8	2.1
Industrial								
Liquids	1.3	1.3	1.2	1.3	1.3	1.3	1.3	0.0
Natural gas	2.9	2.8	2.3	2.5	2.6	2.7	2.7	-0.1
Coal	1.7	1.7	1.2	1.2	1.3	1.3	1.3	-0.8
Electricity	1.1	1.1	0.9	0.9	1.0	1.0	1.0	-0.2
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Total	7.2	6.9	5.7	6.0	6.3	6.5	6.5	-0.2
Transportation								
Liquids	2.1	2.1	2.4	2.7	2.8	2.9	3.0	1.2
Natural gas	0.3	0.2	0.3	0.3	0.4	0.4	0.5	2.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.1	0.1	0.1	0.1	1.0
Total	2.4	2.4	2.8	3.0	3.2	3.4	3.6	1.4
All end-use sectors								
Liquids	3.7	3.6	3.8	4.1	4.3	4.4	4.5	0.8
Natural gas	5.6	5.5	5.7	6.3	6.8	7.1	7.3	1.0
Coal	2.0	1.9	1.4	1.5	1.5	1.5	1.5	-0.7
Electricity	1.9	1.9	2.0	2.2	2.4	2.7	2.9	1.4
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Delivered energy	13.3	13.0	13.0	14.1	15.1	15.8	16.3	0.8
Electricity-related losses	5.7	5.6	5.7	5.9	6.2	6.5	6.8	0.7
Total	19.0	18.6	18.7	20.1	21.3	22.4	23.1	0.8
Electric power ^a								
Liquids	0.2	0.2	0.1	0.1	0.1	0.1	0.1	-1.7
Natural gas	2.0	2.0	1.7	2.1	2.4	2.7	3.0	1.4
Coal	2.9	2.9	2.7	2.6	2.6	2.6	2.5	-0.5
Nuclear	1.3	1.2	1.4	1.5	1.7	1.8	1.9	1.6
Renewables	1.2	1.2	1.5	1.5	1.5	1.7	1.8	1.6
Total	7.5	7.5	7.3	7.8	8.3	8.9	9.4	0.8
Unspecified sector	0.1	0.0	0.3	0.3	0.3	0.3	0.3	—
Total energy consumption								
Liquids	3.9	3.8	4.3	4.6	4.7	4.8	4.9	1.0
Natural gas	7.6	7.5	7.4	8.3	9.1	9.8	10.3	1.1
Coal	5.0	4.8	4.1	4.1	4.1	4.1	4.1	-0.6
Nuclear	1.3	1.2	1.4	1.5	1.7	1.8	1.9	1.6
Renewables	1.3	1.3	1.6	1.6	1.6	1.8	1.9	1.5
Total	19.0	18.6	18.7	20.1	21.3	22.4	23.1	0.8

^aFuel inputs used in the production of electricity and heat, excluding captive generators.

Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F13. Delivered energy consumption in China by end-use sector and fuel, 2011–40
 (quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	1.0	1.0	1.2	1.2	1.1	1.1	1.1	0.1
Natural gas	1.0	1.1	2.1	2.7	3.5	4.2	4.7	5.3
Coal	3.1	3.2	2.9	2.8	2.6	2.6	2.6	-0.8
Electricity	2.0	2.2	3.4	4.3	5.0	5.8	6.8	4.1
Renewables	0.0	0.6	0.7	0.7	0.7	0.8	0.8	0.8
Total	7.1	8.2	10.2	11.6	13.0	14.4	15.9	2.4
Commercial								
Liquids	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.4
Natural gas	0.3	0.3	0.5	0.6	0.7	0.8	0.8	3.2
Coal	0.6	0.6	0.6	0.6	0.5	0.5	0.5	-0.6
Electricity	0.8	0.9	1.4	1.7	2.1	2.5	2.8	4.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	2.2	2.5	3.2	3.6	4.1	4.5	4.8	2.4
Industrial								
Liquids	9.3	9.7	12.6	13.3	13.9	14.5	15.1	1.6
Natural gas	2.3	2.6	4.5	6.0	7.6	9.6	11.7	5.6
Coal	32.8	33.5	39.5	40.0	39.8	39.2	38.1	0.5
Electricity	11.6	12.0	16.2	17.5	18.3	19.1	19.7	1.8
Renewables	1.1	1.2	1.6	1.7	1.7	1.8	1.9	1.6
Total	56.9	59.0	74.5	78.5	81.4	84.2	86.4	1.4
Transportation								
Liquids	11.4	12.6	17.1	19.0	20.6	22.0	22.9	2.2
Natural gas	0.1	0.1	0.4	0.8	1.6	2.5	3.3	13.6
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.1	0.2	0.3	0.4	0.6	0.7	0.9	6.3
Total	11.6	12.8	17.9	20.3	22.8	25.1	27.1	2.7
All end-use sectors								
Liquids	22.1	24.0	31.7	34.2	36.4	38.3	39.8	1.8
Natural gas	3.6	4.1	7.5	10.3	13.5	17.0	20.5	5.9
Coal	36.4	37.4	43.0	43.3	43.0	42.3	41.2	0.3
Electricity	14.5	15.2	21.3	23.9	26.0	28.1	30.1	2.5
Renewables	1.1	1.8	2.3	2.4	2.5	2.6	2.7	1.3
Delivered energy	77.8	82.5	105.8	114.1	121.4	128.3	134.2	1.8
Electricity-related losses	31.7	32.5	41.5	45.3	49.0	52.4	55.9	2.0
Total	109.4	115.0	147.3	159.4	170.4	180.7	190.1	1.8
Electric power^a								
Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7
Natural gas	0.8	0.8	2.0	3.9	4.8	6.6	8.3	8.5
Coal	38.9	38.9	43.6	44.7	44.1	43.1	42.1	0.3
Nuclear	0.8	0.9	3.4	4.7	7.8	10.2	12.6	9.7
Renewables	7.8	9.5	18.8	21.2	23.7	26.2	28.7	4.0
Total	48.4	50.3	67.8	74.5	80.5	86.2	91.7	2.2
Unspecified sector	-2.1	-2.5	-5.0	-5.3	-5.5	-5.6	-5.7	—
Total energy consumption								
Liquids	19.5	20.9	26.7	29.0	31.0	32.7	34.1	1.8
Natural gas	4.9	5.3	9.5	14.1	18.3	23.7	28.8	6.2
Coal	75.4	76.5	86.6	88.0	87.0	85.4	83.3	0.3
Nuclear	0.8	0.9	3.4	4.7	7.8	10.2	12.6	9.7
Renewables	8.9	11.4	21.0	23.7	26.2	28.8	31.3	3.7
Total	109.4	115.0	147.3	159.4	170.4	180.7	190.1	1.8

^aFuel inputs used in the production of electricity and heat, excluding captive generators.

Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F14. Delivered energy consumption in India by end-use sector and fuel, 2011–40
 (quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	1.0	1.1	1.2	1.2	1.2	1.2	1.1	0.2
Natural gas	0.1	0.1	0.1	0.1	0.2	0.2	0.2	2.8
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Electricity	0.7	0.8	1.4	1.8	2.3	2.9	3.5	5.5
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	2.0	2.1	2.8	3.3	3.8	4.3	5.0	3.2
Commercial								
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.4
Natural gas	0.0	0.0	0.0	0.1	0.1	0.1	0.1	2.8
Coal	0.1	0.2	0.2	0.2	0.3	0.3	0.3	2.6
Electricity	0.3	0.3	0.5	0.6	0.7	0.8	1.0	4.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Total	0.5	0.6	0.8	1.0	1.1	1.3	1.5	3.7
Industrial								
Liquids	3.6	3.7	4.2	4.8	5.4	6.2	7.1	2.4
Natural gas	1.4	1.4	1.7	2.0	2.4	2.9	3.3	3.0
Coal	4.1	4.5	5.0	5.8	6.9	8.1	9.6	2.8
Electricity	1.6	1.8	2.1	2.4	2.7	3.0	3.5	2.4
Renewables	1.7	1.7	1.8	2.0	2.3	2.8	3.2	2.2
Total	12.4	13.1	14.7	17.0	19.7	22.9	26.7	2.6
Transportation								
Liquids	3.1	3.1	4.3	5.2	6.2	7.6	9.4	4.0
Natural gas	0.1	0.1	0.2	0.3	0.6	0.9	1.4	10.8
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.1	0.1	0.1	0.2	0.2	5.3
Total	3.2	3.3	4.6	5.6	6.9	8.7	10.9	4.4
All end-use sectors								
Liquids	7.7	8.0	9.8	11.3	12.9	15.1	17.8	2.9
Natural gas	1.6	1.6	2.0	2.5	3.2	4.0	4.9	4.1
Coal	4.4	4.7	5.3	6.1	7.2	8.5	10.0	2.7
Electricity	2.7	2.9	4.0	4.9	5.8	6.9	8.2	3.7
Renewables	1.7	1.8	1.8	2.0	2.4	2.8	3.3	2.2
Delivered energy	18.0	19.0	22.9	26.9	31.6	37.3	44.2	3.1
Electricity-related losses	6.9	7.2	9.9	11.6	13.3	15.5	18.2	3.4
Total	25.0	26.2	32.8	38.4	44.9	52.8	62.3	3.2
Electric power^a								
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Natural gas	0.8	0.6	0.4	0.5	0.8	1.2	1.4	3.3
Coal	7.5	8.2	10.0	10.5	11.0	12.6	14.7	2.1
Nuclear	0.4	0.4	0.8	1.3	2.2	2.4	2.6	7.3
Renewables	1.7	1.5	2.9	4.3	5.3	6.3	7.5	5.9
Total	10.4	10.8	14.1	16.7	19.4	22.6	26.4	3.2
Unspecified sector	-0.8	-0.7	-0.3	-0.3	-0.3	-0.2	-0.1	—
Total energy consumption								
Liquids	7.0	7.3	9.7	11.1	12.7	15.0	17.8	3.2
Natural gas	2.4	2.2	2.5	3.1	4.0	5.2	6.4	3.9
Coal	11.9	13.0	15.3	16.7	18.3	21.1	24.8	2.3
Nuclear	0.4	0.4	0.8	1.3	2.2	2.4	2.6	7.3
Renewables	3.3	3.3	4.7	6.4	7.7	9.1	10.8	4.3
Total	25.0	26.2	32.8	38.4	44.9	52.8	62.3	3.2

^aFuel inputs used in the production of electricity and heat, excluding captive generators.

Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F15. Delivered energy consumption in Other Non-OECD Asia by end-use sector and fuel, 2011–40
(quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.1
Natural gas	0.4	0.4	0.5	0.6	0.6	0.6	0.7	1.7
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Electricity	1.1	1.2	1.6	1.9	2.2	2.5	2.9	3.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Total	2.2	2.3	2.8	3.2	3.5	3.9	4.3	2.3
Commercial								
Liquids	0.2	0.2	0.3	0.3	0.3	0.3	0.4	1.5
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.6
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Electricity	0.9	1.0	1.4	1.7	2.0	2.4	2.7	3.8
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.3	1.3	1.8	2.2	2.5	2.9	3.2	3.3
Industrial								
Liquids	5.4	5.7	6.3	7.0	7.6	8.4	9.2	1.8
Natural gas	3.6	3.6	4.1	4.6	5.2	5.9	6.6	2.2
Coal	2.7	2.7	2.9	3.2	3.5	3.9	4.4	1.8
Electricity	1.5	1.6	1.8	2.0	2.2	2.5	2.8	2.0
Renewables	2.1	2.1	2.3	2.6	2.9	3.2	3.5	1.8
Total	15.2	15.7	17.4	19.4	21.5	23.9	26.6	1.9
Transportation								
Liquids	7.1	7.3	8.4	9.6	10.9	12.6	14.6	2.5
Natural gas	0.3	0.3	0.7	1.0	1.3	1.7	2.4	7.6
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
Total	7.3	7.6	9.1	10.6	12.2	14.3	17.0	2.9
All end-use sectors								
Liquids	13.2	13.8	15.7	17.5	19.5	22.0	24.8	2.1
Natural gas	4.3	4.4	5.3	6.3	7.2	8.4	9.8	2.9
Coal	2.8	2.8	2.9	3.3	3.6	4.0	4.5	1.7
Electricity	3.6	3.8	4.8	5.6	6.5	7.5	8.5	2.9
Renewables	2.1	2.1	2.3	2.6	2.9	3.2	3.5	1.8
Delivered energy	26.0	26.9	31.2	35.3	39.8	45.0	51.1	2.3
Electricity-related losses	7.7	7.9	11.5	13.2	14.8	16.6	18.5	3.1
Total	33.7	34.7	42.7	48.6	54.6	61.6	69.6	2.5
Electric power^a								
Liquids	1.3	1.2	1.1	1.1	1.0	1.0	0.9	-0.7
Natural gas	3.5	3.6	4.1	4.6	5.6	6.7	7.6	2.6
Coal	3.1	3.3	4.4	5.0	5.4	6.1	7.0	2.7
Nuclear	0.4	0.4	0.6	0.9	0.9	0.9	1.0	2.9
Renewables	1.9	2.0	3.5	4.5	5.3	6.1	7.0	4.5
Total	10.2	10.6	13.8	16.1	18.4	20.8	23.4	2.9
Unspecified sector	1.1	1.1	2.5	2.7	3.0	3.2	3.5	—
Total energy consumption								
Liquids	15.6	16.0	19.4	21.3	23.5	26.2	29.3	2.2
Natural gas	7.8	8.0	9.5	10.9	12.9	15.1	17.4	2.8
Coal	5.9	6.1	7.4	8.3	9.1	10.1	11.5	2.3
Nuclear	0.4	0.4	0.6	0.9	0.9	0.9	1.0	2.9
Renewables	3.9	4.1	5.8	7.1	8.2	9.3	10.5	3.4
Total	33.7	34.7	42.7	48.6	54.6	61.6	69.6	2.5

^aFuel inputs used in the production of electricity and heat, excluding captive generators.Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F16. Delivered energy consumption in the Middle East by end-use sector and fuel, 2011–40
(quadrillion Btu)

Sector/fuel	History			Projections				Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.1
Natural gas	1.7	1.5	1.6	1.7	1.8	1.9	2.0	1.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	1.2	1.3	1.7	2.0	2.3	2.7	3.1	3.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	3.5	3.5	4.1	4.5	4.9	5.4	5.9	1.9
Commercial								
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0
Natural gas	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.7	0.7	0.9	1.1	1.3	1.4	1.6	2.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	1.0	1.1	1.3	1.5	1.7	1.8	2.0	2.3
Industrial								
Liquids	7.6	7.9	8.5	9.3	10.4	11.5	12.4	1.6
Natural gas	7.9	8.6	10.2	11.6	13.4	15.2	16.7	2.4
Coal	0.1	0.1	0.1	0.1	0.1	0.2	0.2	2.2
Electricity	0.6	0.5	0.6	0.7	0.8	0.9	0.9	2.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Total	16.1	17.1	19.4	21.7	24.7	27.7	30.3	2.1
Transportation								
Liquids	5.0	5.2	5.7	6.4	7.0	7.7	8.3	1.7
Natural gas	0.2	0.3	0.6	0.7	0.8	0.9	1.1	5.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Total	5.2	5.5	6.3	7.1	7.9	8.6	9.4	1.9
All end-use sectors								
Liquids	13.4	13.9	15.1	16.5	18.3	20.0	21.6	1.6
Natural gas	10.0	10.6	12.6	14.3	16.3	18.3	20.1	2.3
Coal	0.1	0.1	0.1	0.1	0.1	0.2	0.2	2.2
Electricity	2.4	2.5	3.2	3.8	4.4	5.0	5.7	3.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
Delivered energy	25.9	27.1	31.0	34.8	39.2	43.6	47.5	2.0
Electricity-related losses	4.0	4.6	9.8	10.6	11.6	13.0	14.3	4.2
Total	29.9	31.7	40.8	45.4	50.7	56.6	61.8	2.4
Electric power^a								
Liquids	2.6	2.8	2.5	1.7	1.3	1.2	1.2	-3.2
Natural gas	4.5	4.8	6.0	7.2	8.4	9.1	10.3	2.8
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.1	—
Nuclear	0.0	0.0	0.4	0.6	1.0	1.3	1.6	18.5
Renewables	0.2	0.2	0.7	1.4	1.5	2.3	2.6	9.3
Total	7.3	7.8	9.7	11.0	12.2	14.0	15.6	2.5
Unspecified sector	-0.9	-0.7	3.3	3.5	3.7	4.1	4.4	—
Total energy consumption								
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	18.5
Renewables	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

^aFuel inputs used in the production of electricity and heat, excluding captive generators.Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F17. Delivered energy consumption in Africa by end-use sector and fuel, 2011–40
 (quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.3
Natural gas	0.2	0.3	0.4	0.4	0.5	0.5	0.5	1.9
Coal	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Electricity	0.6	0.7	0.9	1.1	1.3	1.6	1.9	3.8
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	1.6	1.8	2.2	2.4	2.7	3.0	3.4	2.2
Commercial								
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.2	2.3
Electricity	0.3	0.4	0.5	0.6	0.7	0.8	1.0	3.7
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Total	0.5	0.5	0.7	0.8	0.9	1.1	1.3	3.2
Industrial								
Liquids	1.9	1.9	2.1	2.4	2.6	2.9	3.3	2.0
Natural gas	1.8	2.0	2.5	2.9	3.3	3.7	4.1	2.6
Coal	1.7	1.7	1.9	2.2	2.4	2.7	3.0	2.0
Electricity	1.0	1.0	1.1	1.2	1.4	1.6	1.8	2.1
Renewables	3.2	3.4	3.9	4.4	5.1	5.8	6.6	2.4
Total	9.5	10.0	11.4	13.1	14.8	16.7	18.8	2.3
Transportation								
Liquids	4.1	4.2	5.2	6.0	6.6	7.5	8.7	2.6
Natural gas	0.0	0.0	0.1	0.2	0.6	0.9	1.3	13.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.4
Total	4.1	4.3	5.3	6.2	7.2	8.4	10.1	3.1
All end-use sectors								
Liquids	6.7	6.9	8.2	9.2	10.1	11.3	12.9	2.3
Natural gas	2.1	2.4	3.0	3.5	4.3	5.1	6.0	3.3
Coal	1.9	2.0	2.2	2.5	2.7	3.0	3.3	1.9
Electricity	2.0	2.0	2.5	2.9	3.4	4.1	4.7	3.0
Renewables	3.2	3.4	3.9	4.5	5.1	5.8	6.6	2.4
Delivered energy	15.8	16.7	19.7	22.6	25.6	29.2	33.5	2.5
Electricity-related losses	4.3	4.8	6.5	7.4	8.1	9.2	10.4	2.8
Total	20.1	21.5	26.1	30.0	33.8	38.4	44.0	2.6
Electric power^a								
Liquids	0.5	0.6	0.7	0.6	0.6	0.6	0.6	-0.4
Natural gas	2.0	2.3	2.8	3.0	3.8	4.8	5.7	3.3
Coal	2.7	2.8	3.2	3.3	3.3	3.4	3.6	0.9
Nuclear	0.1	0.1	0.1	0.2	0.3	0.3	0.4	4.4
Renewables	1.1	1.1	1.5	2.3	2.7	3.2	3.7	4.3
Total	6.5	7.0	8.3	9.5	10.7	12.3	14.0	2.5
Unspecified sector	-0.2	-0.1	0.7	0.8	0.8	1.0	1.1	—
Total energy consumption								
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
Renewables	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

^aFuel inputs used in the production of electricity and heat, excluding captive generators.

Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F18. Delivered energy consumption in Brazil by end-use sector and fuel, 2011–40
 (quadrillion Btu)

Sector/fuel	History			Projections				Average annual percent change, 2012-40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.5	0.5	0.5	0.6	0.7	0.8	0.9	2.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Total	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.6
Commercial								
Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.5	0.5	0.5	0.6	0.6	0.7	0.8	1.8
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Total	0.5	0.5	0.6	0.6	0.7	0.8	0.8	1.8
Industrial								
Liquids	2.9	3.0	2.8	3.0	3.2	3.5	3.7	0.8
Natural gas	0.7	0.8	0.8	1.0	1.1	1.3	1.5	2.4
Coal	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.7
Electricity	0.7	0.7	0.7	0.8	0.9	1.1	1.2	1.9
Renewables	2.5	2.5	2.2	2.4	2.6	2.8	3.0	0.6
Total	7.3	7.5	6.9	7.7	8.4	9.2	10.0	1.0
Transportation								
Liquids	2.8	2.8	3.0	3.3	3.7	4.0	4.4	1.6
Natural gas	0.1	0.1	0.1	0.1	0.1	0.2	0.3	3.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Total	2.9	2.9	3.1	3.4	3.8	4.2	4.7	1.7
All end-use sectors								
Liquids	5.9	6.1	6.1	6.7	7.3	7.8	8.5	1.2
Natural gas	0.8	0.9	0.9	1.1	1.3	1.5	1.8	2.5
Coal	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.7
Electricity	1.6	1.6	1.8	2.0	2.3	2.6	2.9	2.0
Renewables	2.5	2.5	2.2	2.4	2.6	2.8	3.0	0.6
Delivered energy	11.4	11.6	11.4	12.7	13.9	15.2	16.7	1.3
Electricity-related losses	3.4	3.6	4.9	5.5	6.1	6.8	7.6	2.7
Total	14.8	15.2	16.3	18.1	20.0	22.0	24.3	1.7
Electric power^a								
Liquids	0.1	0.2	0.2	0.1	0.1	0.1	0.1	-0.6
Natural gas	0.1	0.3	0.5	0.5	0.5	0.5	0.5	2.3
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4
Nuclear	0.2	0.2	0.3	0.3	0.6	0.6	0.6	4.8
Renewables	4.5	4.3	4.7	5.5	6.0	7.0	8.1	2.3
Total	4.9	5.0	5.8	6.6	7.4	8.3	9.4	2.3
Unspecified sector	0.2	0.3	0.9	0.9	1.0	1.1	1.1	—
Total energy consumption								
Liquids	6.2	6.6	7.1	7.8	8.4	9.0	9.7	1.4
Natural gas	0.9	1.1	1.4	1.6	1.8	2.0	2.3	2.6
Coal	0.5	0.6	0.5	0.6	0.6	0.7	0.7	0.8
Nuclear	0.2	0.2	0.3	0.3	0.6	0.6	0.6	4.8
Renewables	7.0	6.8	7.0	8.0	8.6	9.8	11.1	1.7
Total	14.8	15.2	16.3	18.1	20.0	22.0	24.3	1.7

^aFuel inputs used in the production of electricity and heat, excluding captive generators.

Sources: History: Derived from 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: World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.

Table F19. Delivered energy consumption in Other Non-OECD Americas by end-use sector and fuel, 2011–40
(quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.0
Natural gas	0.4	0.4	0.6	0.6	0.7	0.7	0.8	2.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Electricity	0.5	0.5	0.7	0.7	0.8	0.9	1.0	2.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.3	1.3	1.6	1.7	1.8	2.0	2.1	1.8
Commercial								
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.4	0.4	0.5	0.5	0.6	0.6	0.7	2.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.5	0.5	0.6	0.7	0.8	0.8	0.9	2.0
Industrial								
Liquids	2.5	2.5	2.3	2.4	2.5	2.6	2.7	0.2
Natural gas	2.6	2.4	2.4	2.6	2.7	3.0	3.2	1.0
Coal	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.3
Electricity	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.5
Renewables	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.0
Total	6.4	6.3	5.9	6.3	6.6	7.0	7.5	0.6
Transportation								
Liquids	3.3	3.3	3.7	4.0	4.2	4.5	5.0	1.4
Natural gas	0.2	0.2	0.4	0.6	0.8	1.0	1.2	5.8
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
Total	3.5	3.6	4.1	4.5	5.0	5.5	6.2	2.0
All end-use sectors								
Liquids	6.1	6.2	6.4	6.8	7.1	7.5	8.1	0.9
Natural gas	3.3	3.2	3.4	3.9	4.3	4.8	5.2	1.8
Coal	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.3
Electricity	1.5	1.5	1.7	1.9	2.0	2.2	2.4	1.6
Renewables	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.0
Delivered energy	11.7	11.7	12.2	13.3	14.2	15.3	16.6	1.3
Electricity-related losses	4.0	4.1	5.0	5.3	5.6	6.0	6.4	1.6
Total	15.7	15.8	17.2	18.6	19.8	21.2	23.0	1.4
Electric power^a								
Liquids	1.0	1.1	1.1	1.1	1.0	1.0	0.9	-0.6
Natural gas	1.1	1.2	1.4	1.5	1.7	1.9	2.1	2.0
Coal	0.1	0.1	0.1	0.1	0.1	0.2	0.2	1.2
Nuclear	0.1	0.1	0.1	0.1	0.2	0.3	0.3	5.8
Renewables	2.9	2.8	3.0	3.4	3.6	3.9	4.3	1.4
Total	5.3	5.3	5.7	6.2	6.6	7.2	7.7	1.4
Unspecified sector	0.3	0.3	1.0	1.0	1.0	1.0	1.1	—
Total energy consumption								
Liquids	7.4	7.7	8.5	8.8	9.1	9.5	10.1	1.0
Natural gas	4.4	4.3	4.8	5.4	6.0	6.6	7.3	1.9
Coal	0.3	0.3	0.3	0.3	0.4	0.4	0.4	1.3
Nuclear	0.1	0.1	0.1	0.1	0.2	0.3	0.3	5.8
Renewables	3.5	3.4	3.5	3.9	4.2	4.5	4.9	1.2
Total	15.7	15.8	17.2	18.6	19.8	21.2	23.0	1.4

^aFuel inputs used in the production of electricity and heat, excluding captive generators.Sources: History: Derived from 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, World Energy Projection System Plus (2015), run reference_final_2016.02.19_115008.