

Table F1. Total world delivered energy consumption by end-use sector and fuel, 2010-2040
(quadrillion Btu)

Sector/fuel	2010	Projections						Average annual percent change, 2010-2040
		2015	2020	2025	2030	2035	2040	
Residential								
Liquids	9.5	9.5	9.1	8.9	8.7	8.5	8.3	-0.4
Natural gas	19.9	20.8	22.6	24.8	27.1	29.0	30.8	1.5
Coal	4.6	4.4	4.5	4.5	4.4	4.4	4.3	-0.3
Electricity	17.6	20.1	23.1	26.4	30.0	33.9	38.0	2.6
Total	52.0	55.1	59.8	65.0	70.8	76.3	81.8	1.5
Commercial								
Liquids	4.5	4.2	4.2	4.2	4.1	4.0	3.9	-0.4
Natural gas	8.4	8.8	9.4	10.2	11.1	11.8	12.4	1.3
Coal	1.2	1.2	1.2	1.3	1.3	1.4	1.4	0.5
Electricity	14.8	16.5	18.6	21.3	24.3	27.5	31.1	2.5
Total	28.9	30.8	33.6	37.1	40.9	44.8	49.0	1.8
Industrial								
Liquids	57.2	61.6	66.4	70.1	74.2	78.2	82.1	1.2
Natural gas	45.5	48.8	54.3	59.0	63.4	67.8	71.7	1.5
Coal	52.9	61.7	70.1	76.2	80.2	81.9	79.6	1.4
Electricity	29.2	34.2	39.4	43.3	46.5	49.0	50.0	1.8
Total	200.0	221.4	246.7	266.4	283.5	297.9	306.9	1.4
Transportation								
Liquids	96.1	101.4	107.1	111.5	116.7	123.5	131.7	1.1
Natural gas	3.8	3.7	3.9	4.2	4.7	5.3	6.0	1.6
Coal	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-10.3
Electricity	1.0	1.1	1.2	1.3	1.4	1.5	1.7	1.8
Total	101.0	106.2	112.2	117.0	122.8	130.4	139.5	1.1
All end-use sectors								
Liquids	167.3	176.7	186.8	194.6	203.7	214.3	226.1	1.0
Natural gas	77.6	82.1	90.3	98.3	106.3	114.0	121.0	1.5
Coal	58.8	67.3	75.8	82.0	86.0	87.6	85.3	1.2
Electricity	62.6	71.8	82.4	92.4	102.2	111.9	120.7	2.2
Delivered energy	382.0	413.6	452.3	485.5	518.0	549.5	577.1	1.4
Electricity-related losses	141.9	158.4	177.6	194.9	211.2	227.7	242.5	1.8
Total	523.9	572.0	629.8	680.4	729.2	777.1	819.6	1.5
Electric power^a								
Liquids	8.8	8.8	7.9	7.5	7.2	6.8	6.5	-1.0
Natural gas	39.2	42.1	45.7	50.2	56.3	63.5	70.3	2.0
Coal	88.6	97.2	104.5	114.0	121.9	129.1	134.2	1.4
Nuclear	27.3	30.4	37.9	44.3	49.5	53.5	57.2	2.5
Total	204.5	230.2	259.9	287.2	313.4	339.6	363.2	1.9
Total energy consumption								
Liquids	176.1	185.5	194.7	202.1	210.9	221.1	232.6	0.9
Natural gas	116.8	124.2	136.0	148.5	162.6	177.4	191.3	1.7
Coal	147.4	164.6	180.3	196.0	207.9	216.7	219.5	1.3
Nuclear	27.3	30.4	37.9	44.3	49.5	53.5	57.2	2.5
Total	523.9	572.0	629.8	680.4	729.2	777.1	819.6	1.5

^aFuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2010: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of November 2012), www.eia.gov/ies; and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2012), www.iea.org (subscription site). Projections: EIA, *Annual Energy Outlook 2013*, DOE/EIA-0383(2013) (Washington, DC: April 2013); AEO2013 National Energy Modeling System, run REF2013.D102312A, www.eia.gov/aeo; and World Energy Projection System Plus (2013).