

Table A2. World Total Energy Consumption by Region and Fuel, Reference Case, 1990-2030
(Quadrillion Btu)

Region/Country	History			Projections					Average Annual Percent Change, 2003-2030
	1990	2002	2003	2010	2015	2020	2025	2030	
OECD									
OECD North America									
Oil	40.5	46.3	47.2	52.3	55.5	58.3	61.4	65.0	1.2
Natural Gas	23.2	28.4	28.3	30.6	33.8	35.8	37.0	37.9	1.1
Coal	20.7	24.0	24.4	27.3	28.5	31.0	34.4	38.2	1.7
Nuclear	6.9	9.0	8.9	9.7	10.0	10.5	10.4	10.4	0.6
Other	9.5	9.8	9.5	11.5	12.0	12.8	13.9	14.7	1.6
Total	100.8	117.5	118.3	131.4	139.9	148.4	157.0	166.2	1.3
OECD Europe									
Oil	28.4	31.6	32.0	32.6	32.8	32.5	33.0	33.5	0.2
Natural Gas	11.2	17.7	18.3	21.7	24.5	26.6	29.0	31.6	2.0
Coal	17.6	12.8	12.8	12.7	12.7	12.9	12.9	13.4	0.2
Nuclear	7.9	9.7	9.8	9.5	9.3	8.5	7.9	7.5	-1.0
Other	4.8	6.1	6.0	7.9	8.0	8.3	8.4	8.5	1.3
Total	69.9	77.9	78.9	84.4	87.2	88.7	91.3	94.5	0.7
OECD Asia									
Oil	14.5	17.5	17.8	18.5	19.2	19.6	20.1	20.6	0.5
Natural Gas	2.9	5.1	5.3	5.7	6.3	6.7	6.9	7.2	1.2
Coal	5.2	8.2	8.4	9.7	10.2	10.5	10.9	11.5	1.2
Nuclear	2.5	4.0	3.7	4.2	4.7	5.3	5.8	6.2	2.0
Other	1.6	1.7	1.9	2.2	2.3	2.4	2.4	2.5	0.9
Total	26.7	36.5	37.1	40.3	42.8	44.4	46.1	48.0	1.0
Total OECD									
Oil	83.4	95.4	97.0	103.3	107.5	110.3	114.5	119.1	0.8
Natural Gas	37.2	51.2	51.9	58.0	64.7	69.1	72.9	76.8	1.5
Coal	43.5	44.9	45.6	49.7	51.4	54.3	58.3	63.1	1.2
Nuclear	17.3	22.7	22.3	23.4	24.0	24.3	24.1	24.1	0.3
Other	15.9	17.6	17.4	21.7	22.3	23.5	24.7	25.7	1.5
Total	197.4	231.9	234.3	256.1	269.9	281.6	294.5	308.8	1.0
Non-OECD									
Non-OECD Europe and Eurasia									
Oil	19.5	9.9	10.1	11.4	12.4	13.0	14.0	14.8	1.4
Natural Gas	27.5	23.0	24.3	29.4	32.4	35.8	38.6	41.7	2.0
Coal	15.1	8.3	8.4	8.7	9.8	10.8	11.7	12.6	1.5
Nuclear	2.5	2.8	2.8	3.1	3.5	4.3	4.8	4.9	2.0
Other	2.8	3.0	3.0	4.0	4.6	4.7	4.9	5.0	1.9
Total	67.2	46.9	48.5	56.5	62.8	68.7	74.0	79.0	1.8
Non-OECD Asia									
Oil	13.9	26.7	27.9	38.3	43.5	49.3	55.2	61.7	3.0
Natural Gas	3.0	7.3	7.9	12.4	16.6	20.8	25.5	30.6	5.2
Coal	27.2	38.7	41.2	63.7	75.7	87.0	98.6	111.3	3.8
Nuclear	0.4	0.9	1.0	2.0	2.9	3.8	4.6	5.3	6.3
Other	3.0	4.9	5.1	9.8	10.8	11.9	13.2	14.8	4.0
Total	47.5	78.4	83.1	126.2	149.4	172.8	197.1	223.6	3.7

See notes at end of table.

Table A2. World Total Energy Consumption by Region and Fuel, Reference Case, 1990-2030 (Continued)
(Quadrillion Btu)

Region/Country	History			Projections					Average Annual Percent Change, 2003-2030
	1990	2002	2003	2010	2015	2020	2025	2030	
Non-OECD (Continued)									
Middle East									
Oil	7.2	10.5	10.8	12.4	13.5	14.3	15.2	16.0	1.5
Natural Gas	3.8	8.0	8.2	11.6	13.7	15.7	18.0	20.5	3.4
Coal	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.8
Nuclear	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	—
Other	0.1	0.2	0.2	0.6	0.6	0.7	0.7	0.8	4.5
Total	11.3	19.1	19.6	25.0	28.2	31.2	34.3	37.7	2.4
Africa									
Oil	4.3	5.4	5.5	7.6	8.3	8.8	9.3	10.1	2.3
Natural Gas	1.5	2.6	2.7	3.5	4.9	6.1	7.4	8.7	4.4
Coal	3.0	3.7	4.1	5.3	5.9	6.1	6.2	6.4	1.7
Nuclear	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.7
Other	0.6	0.9	0.9	1.2	1.3	1.3	1.3	1.5	1.9
Total	9.5	12.8	13.3	17.7	20.5	22.3	24.3	26.8	2.6
Central and South America									
Oil	7.7	10.8	10.8	12.6	13.9	15.0	16.2	17.5	1.8
Natural Gas	2.2	3.8	4.1	6.3	7.6	8.7	10.2	11.6	3.9
Coal	0.6	0.7	0.8	1.0	1.1	1.4	1.5	1.6	2.9
Nuclear	0.1	0.2	0.2	0.2	0.4	0.3	0.4	0.3	0.5
Other	3.9	5.7	6.0	8.1	9.5	11.1	12.9	14.7	3.3
Total	14.5	21.3	21.9	28.2	32.5	36.5	41.2	45.7	2.8
Total Non-OECD									
Oil	52.7	63.3	65.1	82.3	91.6	100.4	109.8	120.0	2.3
Natural Gas	38.0	44.7	47.2	63.1	75.1	87.0	99.6	113.1	3.3
Coal	45.9	51.8	54.8	79.1	92.9	105.7	118.4	132.4	3.3
Nuclear	3.1	4.0	4.2	5.5	7.0	8.7	10.0	10.6	3.5
Other	10.3	14.6	15.2	23.6	26.8	29.6	33.1	36.7	3.3
Total	150.0	178.4	186.4	253.6	293.5	331.5	371.0	412.8	3.0
Total World									
Oil	136.1	158.7	162.1	185.6	199.1	210.8	224.3	239.1	1.4
Natural Gas	75.2	95.9	99.1	121.1	139.8	156.1	172.5	189.9	2.4
Coal	89.4	96.8	100.4	128.8	144.4	160.1	176.7	195.5	2.5
Nuclear	20.4	26.7	26.5	28.9	31.0	32.9	34.0	34.7	1.0
Other	26.3	32.2	32.7	45.2	49.1	53.1	57.8	62.4	2.4
Total	347.3	410.3	420.7	509.7	563.4	613.0	665.4	721.6	2.0

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:** Energy Information Administration (EIA), *International Energy Annual 2003* (May-July 2005), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, DC, February 2006), AEO2006 National Energy Modeling System, run AEO2006.D111905A, web site www.eia.doe.gov/oiaf/aeo/; and System for the Analysis of Global Energy Markets (2006).