

International Energy Outlook 2005

Report #: DOE/EIA-0484(2005)

Released Date: July 2005

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Table A2. World Total Energy Consumption by Region and Fuel, Reference Case, 1990-2025 (also available in xls)
(Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 2002-2025
	1990	2001	2002	2010	2015	2020	2025	
Mature Market Economies								
North America								
Oil	40.6	46.2	47.1	53.8	57.8	61.6	65.2	1.4
Natural Gas	23.2	27.3	28.2	32.2	35.8	38.7	39.6	1.5
Coal	20.7	23.8	23.9	27.1	27.9	29.6	33.2	1.4
Nuclear	6.9	8.9	9.0	9.8	9.9	10.0	9.9	0.4
Other	9.5	9.0	9.5	11.3	12.1	13.0	14.1	1.7
Total	100.9	115.2	117.7	134.2	143.6	152.9	162.1	1.4
Western Europe								
Oil	25.9	28.9	28.6	29.2	29.7	30.0	31.0	0.3
Natural Gas	9.7	15.2	15.4	17.7	19.5	20.9	22.9	1.8
Coal	12.4	8.7	8.6	8.2	7.8	7.3	6.9	-1.0
Nuclear	7.4	9.1	9.2	9.0	8.9	8.4	7.8	-0.7
Other	4.5	6.0	5.5	6.1	6.4	6.8	7.4	1.3
Total	59.9	68.0	67.4	70.2	72.2	73.4	76.1	0.5
Mature Market Asia								
Oil	12.4	13.0	13.1	13.4	13.8	13.9	14.1	0.3
Natural Gas	2.5	4.0	4.0	4.4	5.1	5.3	5.7	1.6
Coal	4.2	6.5	6.8	7.4	7.4	7.6	7.6	0.4
Nuclear	2.0	3.1	3.0	3.3	3.4	3.7	4.0	1.2
Other	1.6	1.5	1.6	1.7	1.9	2.0	2.3	1.6
Total	22.7	28.0	28.4	30.4	31.5	32.5	33.6	0.7
Total Mature Market								
Oil	79.0	88.0	88.8	96.4	101.3	105.5	110.3	0.9
Natural Gas	35.4	46.5	47.5	54.3	60.3	64.9	68.2	1.6
Coal	37.3	39.0	39.4	42.7	43.1	44.5	47.7	0.8
Nuclear	16.3	21.1	21.2	22.1	22.3	22.0	21.7	0.1
Other	15.6	16.5	16.6	19.1	20.3	21.8	23.8	1.6
Total	183.6	211.2	213.5	234.7	247.3	258.7	271.8	1.1
Transitional Economies								
Oil	21.0	11.9	11.4	13.1	13.9	14.8	15.7	1.4
Natural Gas	28.8	23.8	24.3	30.0	34.1	36.7	39.6	2.2
Coal	20.7	11.7	11.6	12.7	12.9	13.1	13.4	0.6
Nuclear	2.9	3.1	3.3	3.8	3.9	4.6	5.3	2.1
Other	2.8	3.0	3.1	3.4	3.4	3.6	3.6	0.7
Total	76.2	53.4	53.6	63.0	68.4	72.8	77.7	1.6
Emerging Economies								
Emerging Asia								
Oil	16.1	30.4	31.4	47.0	54.4	61.8	69.5	3.5
Natural Gas	3.2	7.6	8.2	11.4	14.3	17.5	22.3	4.4
Coal	28.1	39.9	41.5	62.6	72.8	81.1	86.8	3.3
Nuclear	0.9	1.8	2.0	3.8	4.8	5.7	6.5	5.3
Other	3.2	4.9	5.4	8.8	9.5	10.2	11.6	3.4
Total	51.5	84.7	88.4	133.6	155.8	176.3	196.7	3.5
Middle East								
Oil	8.0	11.3	11.7	15.1	16.6	17.7	18.8	2.1
Natural Gas	3.9	8.0	8.6	11.1	13.2	15.2	17.4	3.1
Coal	0.8	1.2	1.1	1.5	1.5	1.5	1.5	1.4
Nuclear	0.0	0.0	0.0	0.1	0.1	0.1	0.1	—
Other	0.4	0.4	0.5	1.0	1.0	1.1	1.1	3.3
Total	13.1	20.9	22.0	28.7	32.4	35.6	38.9	2.5

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Region/Country	History			Projections				Average Annual Percent Change, 2002-2025
	1990	2001	2002	2010	2015	2020	2025	
Africa								
Oil	4.2	5.4	5.5	7.6	8.7	9.5	10.1	2.7
Natural Gas	1.5	2.5	2.6	3.4	4.4	5.2	6.4	4.0
Coal	3.0	3.7	3.7	4.6	5.0	5.3	5.3	1.6
Nuclear	0.1	0.1	0.1	0.1	0.2	0.2	0.2	1.0
Other	0.6	0.8	0.8	1.0	1.1	1.2	1.4	2.2
Total	9.3	12.5	12.8	16.7	19.3	21.4	23.4	2.7
Central and South America								
Oil	7.7	11.0	10.7	13.9	15.8	17.4	18.9	2.5
Natural Gas	2.2	3.8	3.8	5.0	6.1	7.0	8.1	3.3
Coal	0.6	0.7	0.8	1.1	1.2	1.2	1.3	2.2
Nuclear	0.1	0.2	0.2	0.2	0.4	0.3	0.4	2.4
Other	3.9	5.4	5.7	6.6	7.0	7.2	7.4	1.2
Total	14.5	21.2	21.2	26.8	30.4	33.2	36.1	2.3
Total Emerging								
Oil	36.1	58.1	59.2	83.6	95.5	106.3	117.4	3.0
Natural Gas	10.8	21.9	23.3	30.9	37.9	45.0	54.2	3.7
Coal	32.4	45.6	47.1	69.8	80.4	89.1	95.0	3.1
Nuclear	1.1	2.2	2.3	4.3	5.5	6.3	7.1	5.0
Other	8.0	11.5	12.4	17.3	18.6	19.8	21.5	2.4
Total	88.4	139.2	144.3	205.8	237.8	266.6	295.1	3.2
Total World								
Oil	136.0	158.0	159.4	193.1	210.6	226.6	243.4	1.9
Natural Gas	75.0	92.2	95.2	115.2	132.4	146.6	162.1	2.3
Coal	90.5	96.3	98.1	125.2	136.4	146.8	156.1	2.0
Nuclear	20.3	26.4	26.9	30.2	31.7	32.9	34.1	1.0
Other	26.4	31.1	32.1	39.8	42.4	45.2	48.9	1.9
Total	348.2	403.9	411.5	503.5	553.5	598.1	644.6	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

Sources: History: Energy Information Administration (EIA), International Energy Annual 2002, DOE/EIA-0219(2002) (Washington, DC, March 2004), web site www.eia.doe.gov/iea/. Projections: EIA, Annual Energy Outlook 2005, DOE/EIA-0383(2005) (Washington, DC, February 2005), October futures case, AEO2005 National Energy Modeling System, run CF2005.D111104A, web site www.eia.doe.gov/oiaf/aeo/; and System for the Analysis of Global Energy Markets (2005).