Table D1. Total World Delivered Energy Consumption by End-Use Sector and Fuel, 2003-2030
(Quadrillion Btu)

Sector/Fuel	2003	Projections 2010	2015	2020	2025	2030	Average Annual Percent Change, 2003-2030
Residential							
Oil	10.6	12.3	12.8	13.1	13.4	13.7	1.0
Natural Gas	18.0	19.7	20.8	21.8	22.8	23.9	1.1
Coal	2.8	4.3	4.3	4.1	3.9	3.9	1.3
Electricity	13.8	18.9	21.7	24.3	27.2	30.4	3.0
Heat	4.5	5.5	5.6	5.5	5.5	5.4	0.7
Renewables	0.6	0.7	0.8	0.8	0.8	0.9	1.7
Total	**50.1**	**61.5**	**65.9**	**69.5**	**73.7**	**78.1**	**1.7**
Commercial							
Oil	5.0	5.2	5.5	5.7	5.9	6.1	0.7
Natural Gas	6.7	6.8	7.3	7.7	8.1	8.5	0.9
Coal	0.6	0.9	0.9	1.0	1.0	1.0	1.8
Electricity	11.3	14.6	16.6	18.5	20.5	22.6	2.6
Heat	0.7	0.8	0.8	0.7	0.7	0.7	-0.2
Renewables	0.1	0.1	0.1	0.2	0.2	0.2	2.1
Total	**24.4**	**28.4**	**31.2**	**33.8**	**36.3**	**39.0**	**1.8**
Industrial							
Oil	52.8	61.1	67.2	72.8	77.8	82.6	1.7
Natural Gas	43.1	55.7	64.2	72.8	81.3	90.5	2.8
Coal	29.9	39.9	46.8	53.3	60.2	67.6	3.1
Electricity	24.0	29.9	34.2	38.6	43.0	47.8	2.6
Heat	5.4	4.5	5.2	5.9	6.9	7.6	1.3
Renewables	1.9	2.1	2.2	2.3	2.4	2.6	1.2
Total	**157.1**	**193.2**	**219.7**	**245.8**	**271.7**	**298.5**	**2.4**
Transportation							
Oil	83.5	94.3	100.2	105.1	112.5	121.4	1.4
Natural Gas	0.9	0.9	1.0	1.1	1.1	1.2	1.0
Coal	0.2	0.3	0.3	0.2	0.2	0.1	-1.7
Electricity	0.8	0.9	1.0	1.0	1.0	1.1	0.9
Renewables	0.5	0.8	1.0	1.1	1.2	1.2	3.6
Total	**85.9**	**97.2**	**103.5**	**108.6**	**116.0**	**125.0**	**1.4**
All End-Use Sectors							
Oil	151.9	173.0	185.7	196.7	209.6	223.8	1.4
Natural Gas	68.7	83.0	93.4	103.4	113.4	124.1	2.2
Coal	33.5	45.3	52.2	58.6	65.3	72.5	2.9
Electricity	49.9	64.4	73.4	82.4	91.7	101.8	2.7
Heat	10.6	10.8	11.5	12.1	13.1	13.7	0.9
Renewables	3.0	3.8	4.1	4.4	4.6	4.8	1.8
Delivered Energy	**317.5**	**380.3**	**420.3**	**457.7**	**497.7**	**540.7**	**2.0**
Electricity-Related Losses	103.2	129.3	143.0	155.4	167.8	180.9	2.1
Total	**420.8**	**509.7**	**563.4**	**613.0**	**665.4**	**721.6**	**2.0**
Electric Power[a]							
Oil	10.2	12.6	13.4	14.1	14.7	15.3	1.5
Natural Gas	30.4	38.1	46.4	52.7	59.1	65.8	2.9
Coal	66.9	83.5	92.1	101.5	111.4	123.0	2.3
Nuclear	26.5	28.9	31.0	32.9	34.0	34.7	1.0
Renewables	29.6	41.4	44.9	48.7	53.2	57.5	2.5
Total	**163.7**	**204.5**	**227.9**	**249.9**	**272.6**	**296.4**	**2.2**
Total Energy Consumption							
Oil	162.1	185.6	199.1	210.8	224.3	239.1	1.4
Natural Gas	99.1	121.1	139.8	156.1	172.5	189.9	2.4
Coal	100.4	128.8	144.4	160.1	176.7	195.5	2.5
Nuclear	26.5	28.9	31.0	32.9	34.0	34.7	1.0
Renewables	32.7	45.2	49.0	53.1	57.8	62.4	2.4
Total	**420.7**	**509.7**	**563.4**	**613.0**	**665.4**	**721.6**	**2.0**

[a]Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: **2003:** Derived from 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).