

Low Economic Growth Case Projections:

- **World Energy Consumption**
 - **Gross Domestic Product**
- **Carbon Dioxide Emissions**

Table C1. World Total Primary Energy Consumption by Region, Low Economic Growth Case, 1990-2025
(Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America	100.6	118.7	115.6	130.1	137.7	145.5	153.6	1.2
United States ^a	84.6	99.3	97.0	108.3	114.3	120.5	126.3	1.1
Canada	11.0	13.2	12.5	14.9	15.7	16.4	17.1	1.3
Mexico	5.0	6.2	6.0	6.9	7.7	8.6	10.2	2.2
Western Europe	59.9	66.8	68.2	69.1	70.4	71.8	73.3	0.3
United Kingdom	9.3	9.8	9.8	10.1	10.3	10.5	10.7	0.4
France	8.8	10.4	10.5	11.4	11.7	12.1	12.5	0.7
Germany	14.8	14.2	14.4	14.4	14.4	14.5	14.5	0.0
Italy	7.0	8.0	8.1	8.3	8.4	8.6	8.8	0.3
Netherlands	3.4	3.9	4.2	4.3	4.3	4.4	4.5	0.2
Other Western Europe	16.6	20.6	21.1	20.7	21.2	21.7	22.4	0.3
Industrialized Asia	22.3	27.5	27.7	29.7	30.5	31.7	32.9	0.7
Japan	17.9	21.8	21.9	23.2	23.6	24.4	24.9	0.5
Australia/New Zealand	4.4	5.7	5.8	6.5	6.9	7.3	8.0	1.3
Total Industrialized	182.8	213.0	211.5	228.9	238.6	249.0	259.8	0.9
EE/FSU								
Former Soviet Union	60.7	40.8	41.9	43.1	45.2	47.4	49.5	0.7
Russia	39.3	27.4	28.2	29.0	29.0	30.5	31.6	0.5
Other FSU	21.4	13.4	13.7	14.2	16.3	16.9	17.9	1.1
Eastern Europe	15.6	11.3	11.4	12.1	12.7	13.4	13.4	0.7
Total EE/FSU	76.3	52.2	53.3	55.3	57.9	60.8	63.0	0.7
Developing Countries								
Developing Asia	52.5	80.5	85.0	103.3	116.3	129.7	143.3	2.2
China	27.0	37.0	39.7	51.2	59.1	67.4	76.0	2.7
India	7.8	12.7	12.8	15.5	17.9	20.6	23.2	2.5
South Korea	3.8	7.9	8.1	9.5	10.1	10.7	11.2	1.4
Other Asia	13.9	23.0	24.5	27.0	29.2	31.0	32.9	1.2
Middle East	13.1	20.3	20.8	23.0	24.2	25.9	27.8	1.2
Turkey	2.0	3.0	2.9	3.5	3.7	3.9	4.2	1.5
Other Middle East	11.1	17.3	17.9	19.5	20.5	22.0	23.6	1.2
Africa	9.3	11.9	12.4	13.3	14.3	15.4	16.6	1.2
Central and South America	14.4	21.0	20.9	24.1	26.2	28.6	31.5	1.7
Brazil	6.0	9.0	8.8	9.9	11.1	12.2	13.5	1.8
Other Central/South America	8.5	12.0	12.2	14.1	15.1	16.3	18.0	1.6
Total Developing	89.3	133.8	139.2	163.6	181.0	199.6	219.1	1.9
Total World	348.4	398.9	403.9	447.8	477.5	509.4	541.9	1.2

^aIncludes the 50 States and the District of Columbia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. 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 2001*, DOE/EIA-0219(2001) (Washington, DC, February 2003), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B1; and System for the Analysis of Global Energy Markets (2004).

Table C2. World Total Energy Consumption by Region and Fuel, Low Economic Growth Case, 1990-2025
(Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America								
Oil	40.4	46.3	45.9	51.2	54.7	57.6	61.3	1.2
Natural Gas	23.1	28.8	27.6	31.4	33.3	35.8	37.9	1.3
Coal	20.7	24.5	23.9	26.8	28.0	29.6	31.4	1.1
Nuclear	6.9	8.7	8.9	9.5	9.7	9.9	9.7	0.3
Other	9.5	10.6	9.4	11.2	11.9	12.5	13.2	1.4
Total	100.6	118.7	115.6	130.1	137.7	145.5	153.6	1.2
Western Europe								
Oil	25.8	28.5	28.9	29.6	29.9	29.9	30.1	0.2
Natural Gas	9.7	14.9	15.1	16.3	17.8	19.8	22.1	1.6
Coal	12.4	8.4	8.6	7.6	7.0	6.4	6.0	-1.5
Nuclear	7.4	8.8	9.1	8.9	8.8	8.4	7.5	-0.8
Other	4.5	6.0	6.1	6.6	6.9	7.3	7.6	0.9
Total	59.9	66.8	68.2	69.1	70.4	71.8	73.3	0.3
Industrialized Asia								
Oil	12.1	13.2	13.0	13.6	13.6	14.0	14.3	0.4
Natural Gas	2.5	4.0	4.1	4.5	4.9	5.2	5.8	1.5
Coal	4.2	5.7	5.9	6.3	6.4	6.6	7.0	0.7
Nuclear	2.0	3.0	3.2	3.6	3.9	4.2	4.0	1.0
Other	1.6	1.6	1.6	1.8	1.8	1.8	1.8	0.5
Total	22.3	27.5	27.7	29.7	30.5	31.7	32.9	0.7
Total Industrialized								
Oil	78.2	88.1	87.8	94.4	98.2	101.6	105.8	0.8
Natural Gas	35.4	47.7	46.8	52.3	56.0	60.8	65.8	1.4
Coal	37.3	38.6	38.5	40.7	41.3	42.6	44.4	0.6
Nuclear	16.3	20.5	21.2	22.0	22.4	22.5	21.2	0.0
Other	15.6	18.2	17.1	19.5	20.6	21.6	22.7	1.2
Total	182.8	213.0	211.5	228.9	238.6	249.0	259.8	0.9
EE/FSU								
Oil	21.0	10.9	11.0	11.3	12.1	13.0	13.9	1.0
Natural Gas	28.8	23.3	23.8	26.2	28.3	30.9	32.8	1.3
Coal	20.8	12.2	12.4	11.2	10.6	10.1	9.6	-1.1
Nuclear	2.9	3.0	3.1	3.2	3.3	3.0	2.7	-0.6
Other	2.8	3.0	3.2	3.4	3.6	3.8	4.0	0.9
Total	76.3	52.2	53.3	55.3	57.9	60.8	63.0	0.7
Developing Countries								
Developing Asia								
Oil	16.1	30.2	30.7	38.8	43.5	48.6	53.0	2.3
Natural Gas	3.2	6.9	7.9	9.5	11.0	12.9	15.3	2.8
Coal	29.1	37.1	39.4	45.5	50.2	55.0	60.6	1.8
Nuclear	0.9	1.7	1.8	2.9	3.9	4.6	4.9	4.2
Other	3.2	4.5	5.1	6.6	7.7	8.5	9.5	2.6
Total	52.5	80.5	85.0	103.3	116.3	129.7	143.3	2.2

See notes at end of table.

Table C2. World Total Energy Consumption by Region and Fuel, Low Economic Growth Case, 1990-2025
(Continued)
 (Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Developing Countries (Continued)								
Middle East								
Oil	8.0	11.0	11.1	12.6	13.3	14.1	14.6	1.2
Natural Gas	3.9	7.7	8.2	8.6	8.8	9.6	10.8	1.1
Coal	0.8	1.1	1.1	1.3	1.3	1.4	1.4	1.1
Nuclear	0.0	0.0	0.0	0.1	0.1	0.2	0.2	—
Other	0.4	0.5	0.4	0.5	0.6	0.7	0.8	2.8
Total	13.1	20.3	20.8	23.0	24.2	25.9	27.8	1.2
Africa								
Oil	4.2	5.2	5.3	5.7	6.1	6.7	7.0	1.2
Natural Gas	1.5	2.2	2.5	2.6	3.0	3.5	3.9	2.0
Coal	3.0	3.7	3.8	3.9	4.1	4.2	4.4	0.6
Nuclear	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
Other	0.6	0.7	0.8	0.9	0.9	0.9	1.1	1.4
Total	9.3	11.9	12.4	13.3	14.3	15.4	16.6	1.2
Central and South America								
Oil	7.7	10.6	10.5	11.7	12.7	13.8	15.1	1.5
Natural Gas	2.2	3.6	3.8	4.6	5.5	6.4	7.7	3.0
Coal	0.6	0.9	0.8	1.1	1.1	1.2	1.3	2.0
Nuclear	0.1	0.1	0.2	0.2	0.2	0.2	0.2	-1.0
Other	3.9	5.9	5.6	6.4	6.7	7.0	7.3	1.1
Total	14.4	21.0	20.9	24.1	26.2	28.6	31.5	1.7
Total Developing Countries								
Oil	35.9	56.9	57.6	68.8	75.6	83.1	89.7	1.9
Natural Gas	10.8	20.4	22.4	25.4	28.4	32.5	37.7	2.2
Coal	33.5	42.8	45.1	51.7	56.7	61.8	67.7	1.7
Nuclear	1.1	2.0	2.2	3.3	4.4	5.1	5.4	3.9
Other	8.0	11.6	11.8	14.4	15.9	17.2	18.6	1.9
Total	89.3	133.8	139.2	163.6	181.0	199.6	219.1	1.9
Total World								
Oil	135.1	155.9	156.5	174.5	185.9	197.7	209.3	1.2
Natural Gas	75.0	91.4	93.1	103.8	112.7	124.2	136.4	1.6
Coal	91.6	93.6	95.9	103.6	108.6	114.5	121.6	1.0
Nuclear	20.3	25.5	26.4	28.5	30.1	30.6	29.4	0.4
Other	26.4	32.8	32.2	37.4	40.2	42.5	45.2	1.4
Total	348.4	398.9	403.9	447.8	477.5	509.4	541.9	1.2

Notes: EE/FSU = Eastern Europe/Former Soviet Union. 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 2001*, DOE/EIA-0219(2001) (Washington, DC, February 2003), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B1; and System for the Analysis of Global Energy Markets (2004).

Table C3. World Gross Domestic Product (GDP) by Region, Low Economic Growth Case, 1990-2025
(Billion 1997 Dollars)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America	7,723	10,573	10,609	13,454	15,181	16,962	18,861	2.4
United States ^a	6,839	9,370	9,394	11,955	13,474	15,008	16,597	2.4
Canada	553	737	751	931	1,038	1,147	1,259	2.2
Mexico	331	465	464	568	669	807	1,006	3.3
Western Europe	7,635	9,356	9,513	10,765	11,684	12,677	13,731	1.5
United Kingdom	1,153	1,461	1,492	1,764	1,952	2,148	2,358	1.9
France	1,300	1,568	1,601	1,816	1,973	2,151	2,350	1.6
Germany	1,917	2,261	2,284	2,472	2,624	2,784	2,946	1.1
Italy	1,063	1,248	1,269	1,414	1,520	1,640	1,761	1.4
Netherlands	317	423	428	470	508	552	601	1.4
Other Western Europe	1,885	2,396	2,440	2,828	3,106	3,402	3,716	1.8
Industrialized Asia	4,189	4,925	4,955	5,506	5,917	6,331	6,756	1.3
Japan	3,808	4,395	4,411	4,826	5,146	5,462	5,784	1.1
Australia/New Zealand	381	530	543	680	772	869	972	2.5
Total Industrialized	19,546	24,854	25,077	29,725	32,782	35,970	39,348	1.9
EE/FSU								
Former Soviet Union	929	597	632	857	981	1,102	1,213	2.8
Russia	668	449	471	610	686	759	822	2.3
Other FSU	261	148	161	246	295	343	391	3.8
Eastern Europe	353	379	389	500	578	668	763	2.8
Total EE/FSU	1,282	976	1,022	1,357	1,560	1,770	1,976	2.8
Developing Countries								
Developing Asia	1,766	3,403	3,536	5,310	6,523	7,807	9,213	4.1
China	428	1,120	1,202	2,044	2,608	3,235	3,958	5.1
India	290	492	520	766	944	1,154	1,399	4.2
South Korea	299	544	562	820	961	1,074	1,178	3.1
Other Asia	749	1,246	1,253	1,681	2,010	2,345	2,678	3.2
Middle East	409	594	584	720	825	937	1,053	2.5
Turkey	139	198	183	230	267	309	351	2.8
Other Middle East	270	396	400	490	557	628	702	2.4
Africa	488	606	626	824	958	1,104	1,260	3.0
Central and South America	1,105	1,503	1,510	1,786	2,092	2,444	2,866	2.7
Brazil	655	851	863	1,032	1,208	1,406	1,638	2.7
Other Central/South America	450	652	647	753	883	1,039	1,228	2.7
Total Developing	3,767	6,106	6,256	8,640	10,397	12,292	14,392	3.5
Total World	24,596	31,937	32,354	39,722	44,739	50,031	55,717	2.3

^aIncludes the 50 States and the District of Columbia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: Global Insight, Inc., *World Economic Outlook*, Vol. 1 (Lexington, MA, Third Quarter 2003), and Energy Information Administration, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B20.

Table C4. World Oil Consumption by Region, Low Economic Growth Case, 1990-2025
(Million Barrels per Day)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America	20.4	23.8	23.5	26.3	28.1	29.5	31.4	1.2
United States ^a	17.0	19.7	19.6	21.8	23.3	24.5	25.9	1.2
Canada	1.7	2.1	1.9	2.2	2.3	2.5	2.6	1.3
Mexico	1.7	2.0	1.9	2.2	2.4	2.5	3.0	1.8
Western Europe	12.5	13.8	14.0	14.3	14.4	14.5	14.6	0.2
United Kingdom	1.8	1.7	1.7	1.8	1.8	1.9	2.0	0.7
France	1.8	2.0	2.0	2.0	2.0	2.0	2.0	-0.1
Germany	2.7	2.8	2.8	2.9	2.9	3.0	3.0	0.3
Italy	1.9	1.9	1.9	2.0	2.0	2.0	2.0	0.3
Netherlands	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Other Western Europe	3.6	4.6	4.7	4.7	4.8	4.7	4.6	0.0
Industrialized Asia	6.0	6.5	6.4	6.7	6.8	6.9	7.1	0.4
Japan	5.1	5.5	5.4	5.5	5.5	5.5	5.6	0.1
Australia/New Zealand	0.8	1.0	1.0	1.2	1.3	1.4	1.5	1.7
Total Industrialized	38.8	44.1	43.9	47.3	49.3	50.9	53.1	0.8
EE/FSU								
Former Soviet Union	8.4	3.8	3.9	4.0	4.3	4.6	4.9	1.0
Russia	5.4	2.6	2.6	2.7	2.9	3.1	3.3	1.0
Other FSU	3.0	1.2	1.3	1.3	1.4	1.6	1.6	1.0
Eastern Europe	1.6	1.4	1.4	1.4	1.5	1.6	1.7	0.9
Total EE/FSU	10.0	5.2	5.3	5.4	5.8	6.3	6.7	1.0
Developing Countries								
Developing Asia	7.6	14.5	14.8	18.7	21.0	23.4	25.5	2.3
China	2.3	4.8	5.0	7.2	8.3	9.5	10.6	3.2
India	1.2	2.1	2.1	2.6	3.1	3.8	4.4	3.0
South Korea	1.0	2.1	2.1	2.3	2.4	2.4	2.4	0.5
Other Asia	3.1	5.5	5.5	6.6	7.2	7.7	8.2	1.6
Middle East	3.8	5.3	5.4	6.1	6.4	6.8	7.1	1.2
Turkey	0.5	0.7	0.6	0.7	0.8	0.8	0.9	1.4
Other Middle East	3.4	4.7	4.7	5.4	5.7	6.0	6.2	1.1
Africa	2.1	2.5	2.6	2.8	3.0	3.2	3.4	1.2
Central and South America	3.7	5.2	5.2	5.8	6.2	6.8	7.4	1.5
Brazil	1.5	2.2	2.2	2.4	2.5	2.8	3.0	1.4
Other Central/South America	2.3	3.0	3.0	3.4	3.7	4.0	4.4	1.6
Total Developing	17.3	27.6	27.9	33.3	36.6	40.2	43.4	1.9
Total World	66.1	76.9	77.1	86.1	91.7	97.4	103.2	1.2

^aIncludes the 50 States and the District of Columbia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. 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 2001*, DOE/EIA-0219(2001) (Washington, DC, February 2003), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B21; and System for the Analysis of Global Energy Markets (2004).

Table C5. World Natural Gas Consumption by Region, Low Economic Growth Case, 1990-2025
(Trillion Cubic Feet)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America	22.5	28.1	26.9	30.6	32.5	34.9	36.9	1.3
United States ^a	19.2	23.5	22.6	25.1	26.4	28.0	29.1	1.1
Canada	2.4	3.3	2.9	3.9	4.2	4.4	4.7	2.0
Mexico	0.9	1.4	1.4	1.6	1.9	2.5	3.1	3.5
Western Europe	10.1	14.6	14.8	16.0	17.4	19.3	21.6	1.6
United Kingdom	2.1	3.4	3.3	3.7	4.2	4.5	4.8	1.6
France	1.0	1.4	1.5	1.5	1.6	1.6	1.6	0.4
Germany	2.7	3.2	3.3	3.5	3.9	4.9	5.1	1.8
Italy	1.7	2.5	2.5	2.7	2.9	3.1	3.2	1.0
Netherlands	1.5	1.7	1.8	1.7	1.9	2.0	2.0	0.6
Other Western Europe	1.2	2.3	2.4	2.8	2.9	3.2	4.9	2.9
Industrialized Asia	2.6	3.8	3.9	4.3	4.6	5.0	5.5	1.5
Japan	1.9	2.8	2.8	3.2	3.4	3.5	3.9	1.3
Australia/New Zealand	0.8	1.0	1.1	1.1	1.3	1.4	1.6	1.8
Total Industrialized	35.2	46.4	45.6	50.9	54.5	59.2	64.1	1.4
EE/FSU								
Former Soviet Union	25.0	20.5	20.8	22.1	23.7	25.5	27.4	1.2
Russia	17.3	14.1	14.4	14.9	15.9	16.8	17.7	0.9
Other FSU	7.7	6.4	6.4	7.2	7.8	8.6	9.7	1.7
Eastern Europe	3.1	2.4	2.7	3.7	4.2	5.0	5.0	2.6
Total EE/FSU	28.1	23.0	23.5	25.8	27.9	30.5	32.4	1.3
Developing Countries								
Developing Asia	3.0	6.6	7.5	8.9	10.4	12.1	14.3	2.7
China	0.5	1.0	1.0	1.8	2.3	3.1	4.1	6.1
India	0.4	0.8	0.8	1.2	1.4	1.7	2.0	3.9
South Korea	0.1	0.7	0.7	1.0	1.1	1.3	1.5	2.9
Other Asia	2.0	4.2	4.9	5.0	5.5	6.0	6.6	1.3
Middle East	3.7	7.3	7.9	8.2	8.4	9.2	10.3	1.1
Turkey	0.1	0.5	0.6	0.7	0.8	0.9	1.0	2.2
Other Middle East	3.6	6.8	7.3	7.5	7.6	8.3	9.3	1.0
Africa	1.4	2.0	2.3	2.5	2.8	3.2	3.7	2.0
Central and South America	2.0	3.3	3.5	4.3	5.1	5.9	7.1	3.0
Brazil	0.1	0.3	0.3	0.9	1.5	1.8	2.2	8.0
Other Central/South America	1.9	3.0	3.2	3.4	3.6	4.2	4.9	1.9
Total Developing	10.1	19.3	21.2	23.9	26.7	30.4	35.3	2.1
Total World	73.4	88.7	90.3	100.6	109.1	120.1	131.7	1.6

^aIncludes the 50 States and the District of Columbia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. 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 2001*, DOE/EIA-0219(2001) (Washington, DC, February 2003), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B13; and System for the Analysis of Global Energy Markets (2004).

Table C6. World Coal Consumption by Region, Low Economic Growth Case, 1990-2025
(Million Short Tons)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America	971	1,168	1,148	1,299	1,366	1,449	1,545	1.2
United States ^a	903	1,084	1,060	1,205	1,269	1,349	1,441	1.3
Canada	59	69	73	74	77	77	78	0.3
Mexico	9	15	15	19	21	23	25	2.3
Western Europe	894	559	574	508	463	425	397	-1.5
United Kingdom	119	64	71	65	59	51	42	-2.1
France	35	25	21	12	11	11	9	-3.3
Germany	528	264	265	255	227	210	199	-1.2
Italy	25	20	22	20	19	18	17	-1.2
Netherlands	15	14	23	17	15	14	13	-2.3
Other Western Europe	172	172	172	138	131	122	116	-1.6
Industrialized Asia	231	303	312	331	337	348	371	0.7
Japan	125	160	166	175	179	184	189	0.6
Australia/New Zealand	106	143	147	156	158	163	182	0.9
Total Industrialized	2,095	2,029	2,034	2,138	2,167	2,222	2,313	0.5
EE/FSU								
Former Soviet Union	848	421	446	408	390	382	364	-0.8
Russia	497	267	284	276	268	262	249	-0.5
Other FSU	352	154	162	132	122	120	116	-1.4
Eastern Europe	528	390	382	341	314	288	268	-1.5
Total EE/FSU	1,376	811	828	748	705	670	632	-1.1
Developing Countries								
Developing Asia	1,590	1,959	2,084	2,411	2,664	2,930	3,232	1.8
China	1,124	1,282	1,383	1,634	1,841	2,065	2,315	2.2
India	242	359	360	412	453	493	540	1.7
South Korea	49	72	76	99	101	102	104	1.3
Other Asia	175	246	265	266	268	270	273	0.1
Middle East	66	94	95	110	118	120	123	1.1
Turkey	60	80	81	92	101	102	106	1.1
Other Middle East	6	14	14	18	18	18	17	1.0
Africa	152	187	191	196	204	211	220	0.6
Central and South America	27	34	32	42	43	47	51	2.0
Brazil	17	21	21	29	29	31	34	2.1
Other Central/South America	10	13	11	13	14	16	17	1.9
Total Developing	1,835	2,275	2,401	2,759	3,030	3,307	3,626	1.7
Total World	5,307	5,115	5,263	5,645	5,901	6,199	6,571	0.9

^aIncludes the 50 States and the District of Columbia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. 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. To convert short tons to metric tons, divide each number in the table by 1.102.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 2001*, DOE/EIA-0219(2001) (Washington, DC, February 2003), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B16; and System for the Analysis of Global Energy Markets (2004).

Table C7. World Nuclear Energy Consumption by Region, Low Economic Growth Case, 1990-2025
(Billion Kilowatthours)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America	649	830	850	905	925	938	919	0.3
United States ^a	577	754	769	794	812	816	816	0.3
Canada	69	69	73	102	104	111	92	1.0
Mexico	3	8	8	9	9	10	11	1.1
Western Europe	703	845	870	850	844	806	718	-0.8
United Kingdom	59	82	86	65	49	45	26	-4.8
France	298	394	401	420	450	490	520	1.1
Germany	145	161	163	129	100	14	0	-100.0
Italy	0	0	0	0	0	0	0	—
Netherlands	3	4	4	4	4	0	0	-100.0
Other Western Europe	198	204	217	233	242	257	172	-1.0
Industrialized Asia	192	294	309	353	377	409	395	1.0
Japan	192	294	309	353	377	409	395	1.0
Australia/New Zealand	0	0	0	0	0	0	0	—
Total Industrialized	1,544	1,969	2,029	2,108	2,146	2,152	2,031	0.0
EE/FSU								
Former Soviet Union	201	204	210	220	221	192	164	-1.0
Russia	115	122	125	131	145	121	94	-1.2
Other FSU	86	81	85	89	77	71	70	-0.8
Eastern Europe	54	67	72	71	75	79	83	0.6
Total EE/FSU	256	270	282	291	296	271	247	-0.6
Developing Countries								
Developing Asia	88	171	178	278	381	447	473	4.2
China	0	16	17	62	122	134	146	9.5
India	6	14	18	39	50	63	66	5.5
South Korea	50	104	107	133	161	198	208	2.8
Other Asia	32	37	36	44	48	52	53	1.6
Middle East	0	0	0	5	13	14	21	—
Turkey	0	0	0	0	0	0	0	—
Other Middle East	0	0	0	5	13	14	21	—
Africa	8	13	11	13	14	14	14	1.2
Central and South America	9	11	21	19	19	16	16	-1.0
Brazil	2	5	14	13	13	13	13	-0.4
Other Central/South America	7	6	7	6	6	3	3	-2.7
Total Developing	105	195	209	316	427	492	524	3.9
Total World	1,905	2,434	2,521	2,715	2,869	2,914	2,803	0.4

^aIncludes the 50 States and the District of Columbia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. 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 2001*, DOE/EIA-0219(2001) (Washington, DC, February 2003), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B8; and System for the Analysis of Global Energy Markets (2004).

Table C8. World Consumption of Hydroelectricity and Other Renewable Energy by Region, Low Economic Growth Case, 1990-2025
(Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	1990	2000	2001	2010	2015	2020	2025	
Industrialized Countries								
North America	9.5	10.6	9.4	11.2	11.9	12.5	13.2	1.4
United States ^a	6.0	6.4	5.5	7.1	7.6	8.0	8.4	1.8
Canada	3.1	3.8	3.5	3.7	3.8	4.0	4.3	0.8
Mexico	0.3	0.5	0.4	0.5	0.5	0.5	0.5	1.0
Western Europe	4.5	6.0	6.1	6.6	6.9	7.3	7.6	0.9
United Kingdom	0.1	0.1	0.1	0.2	0.2	0.2	0.3	5.3
France	0.6	0.7	0.8	0.9	0.8	0.9	0.9	0.6
Germany	0.3	0.4	0.5	0.5	0.6	0.6	0.6	1.0
Italy	0.4	0.6	0.6	0.8	0.8	0.8	0.9	1.5
Netherlands	0.0	0.1	0.1	0.2	0.2	0.2	0.2	6.0
Other Western Europe	3.2	4.1	4.1	4.0	4.3	4.6	4.7	0.6
Industrialized Asia	1.6	1.6	1.6	1.8	1.8	1.8	1.8	0.5
Japan	1.1	1.1	1.1	1.2	1.2	1.2	1.3	0.6
Australia/New Zealand	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total Industrialized	15.6	18.2	17.1	19.5	20.6	21.6	22.7	1.2
EE/FSU								
Former Soviet Union	2.4	2.3	2.5	2.7	2.9	3.0	3.1	0.9
Russia	1.8	1.7	1.8	1.9	2.0	2.1	2.2	0.7
Other FSU	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.4
Eastern Europe	0.4	0.6	0.6	0.7	0.8	0.8	0.8	0.9
Total EE/FSU	2.8	3.0	3.2	3.4	3.6	3.8	4.0	0.9
Developing Countries								
Developing Asia	3.2	4.5	5.1	6.6	7.7	8.5	9.5	2.6
China	1.3	2.3	2.8	3.8	4.4	5.0	5.6	3.0
India	0.7	0.8	0.8	1.0	1.2	1.3	1.5	2.6
South Korea	0.0	0.0	0.0	0.1	0.1	0.1	0.1	5.5
Other Asia	1.1	1.4	1.5	1.7	2.0	2.1	2.3	1.9
Middle East	0.4	0.5	0.4	0.5	0.6	0.7	0.8	2.8
Turkey	0.2	0.3	0.3	0.3	0.3	0.4	0.5	2.5
Other Middle East	0.1	0.1	0.1	0.2	0.2	0.3	0.3	3.2
Africa	0.6	0.7	0.8	0.9	0.9	0.9	1.1	1.4
Central and South America	3.9	5.9	5.6	6.4	6.7	7.0	7.3	1.1
Brazil	2.2	3.3	2.9	3.4	3.5	3.8	4.1	1.4
Other Central/South America	1.7	2.6	2.7	3.1	3.2	3.2	3.2	0.7
Total Developing	8.0	11.6	11.8	14.4	15.9	17.2	18.6	1.9
Total World	26.4	32.8	32.2	37.4	40.2	42.5	45.2	1.4

^aIncludes the 50 States and the District of Columbia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. 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. U.S. totals include net electricity imports, methanol, and liquid hydrogen.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 2001*, DOE/EIA-0219(2001) (Washington, DC, February 2003), web site www.eia.doe.gov/iea/. **Projections:** EIA, *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table B1; and System for the Analysis of Global Energy Markets (2004).