

International Energy Outlook 2005

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**Table F1. World Nuclear Generating Capacity by Region and Country, Reference Case, 2002-2025
(Gigawatts)**

Region/Country	2002	Projections			
		2010	2015	2020	2025
Mature Market Economies					
North America	110.9	116.5	118.1	118.6	117.9
United States	98.9	100.6	102.2	102.7	102.7
Canada	10.6	14.5	14.5	14.5	13.8
Mexico	1.4	1.4	1.4	1.4	1.4
Western Europe	127.0	120.1	114.9	104.6	95.1
Mature Market Asia	45.9	47.4	48.5	51.2	54.8
Japan	45.9	47.4	48.5	51.2	54.8
Australia/New Zealand	0.0	0.0	0.0	0.0	0.0
Total Mature Market	283.8	284.1	281.5	274.4	267.8
Transitional Economies					
Former Soviet Union	36.5	39.2	38.2	44.5	51.8
Russia	21.2	24.6	23.9	28.1	35.5
Other FSU	15.2	14.7	14.3	16.3	16.3
Eastern Europe	11.7	12.2	13.2	14.1	15.1
Total Transitional	48.2	51.5	51.4	58.5	66.9
Emerging Economies					
Emerging Asia	24.3	49.0	60.1	70.7	79.7
China	2.2	10.8	18.1	21.1	26.0
India	2.9	7.9	10.5	14.2	15.3
South Korea	13.7	22.0	23.3	24.1	25.5
Other	5.6	8.3	8.2	11.3	13.0
Middle East	0.0	0.9	0.9	0.9	0.9
Africa	1.8	1.9	2.0	2.0	2.0
Central and South America	3.0	2.8	4.8	4.4	4.4
Brazil	2.0	1.9	3.1	3.1	3.1
Other	1.0	0.9	1.6	1.3	1.3
Total Emerging	29.1	54.6	67.8	78.1	87.1
Total World	361.2	390.1	400.7	411.0	421.8
Nations Participating in Kyoto Protocol Annex I					
Canada	10.6	13.7	15.8	17.3	18.8
Western Europe	127.0	125.0	130.2	132.0	147.0
Japan	45.9	48.5	61.5	66.8	69.6
Eastern Europe	11.7	12.2	13.2	14.1	15.1
Former Soviet Union	36.5	38.9	38.2	42.8	50.1
Total Annex I Participants	231.8	238.2	258.9	273.0	300.6

Note: Totals may not equal sum of components due to independent rounding.

Sources: 2002: 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/oiat/aeo/; and System for the Analysis of Global Energy Markets (2005).

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Table F2. World Nuclear Generating Capacity by Region and Country, Strong Nuclear Power Revival Case, 2002-2025 (Gigawatts)

Region/Country	2002	Projections			
		2010	2015	2020	2025
Mature Market Economies					
North America	110.9	115.7	119.5	123.7	126.3
United States	98.9	100.6	102.2	102.7	102.7
Canada	10.6	13.7	15.8	17.3	18.8
Mexico	1.4	1.4	1.4	3.7	4.9
Western Europe	127.0	125.0	130.2	132.0	147.0
Mature Market Asia	45.9	48.5	61.5	66.8	69.6
Japan	45.9	48.5	61.5	66.8	69.6
Australia/New Zealand	0.0	0.0	0.0	0.0	0.0
Total Mature Market	283.8	289.2	311.1	322.5	343.0
Transitional Economies					
Former Soviet Union	36.5	42.0	49.6	61.7	72.0
Russia	21.2	27.4	31.8	41.5	46.9
Other FSU	15.2	14.7	17.8	20.3	25.1
Eastern Europe	11.7	12.0	15.2	20.6	30.9
Total Transitional	48.2	54.1	64.8	82.3	102.9
Emerging Economies					
Emerging Asia	24.3	44.9	63.7	77.2	100.4
China	2.2	9.9	21.1	23.3	28.9
India	2.9	6.3	9.4	12.6	16.2
South Korea	13.7	20.6	23.3	26.0	30.1
Other	5.6	8.0	9.9	15.3	25.2
Middle East	0.0	0.9	3.1	6.3	9.1
Africa	1.8	1.8	2.1	3.6	6.4
Central and South America	3.0	4.8	4.8	6.0	8.4
Brazil	2.0	3.1	3.1	3.1	5.5
Other	1.0	1.6	1.6	2.8	2.8
Total Emerging	29.1	52.3	73.7	93.1	124.3
Total World	361.2	395.6	449.6	498.0	570.1
Nations Participating in Kyoto Protocol Annex I					
Canada	10.6	13.7	15.8	17.3	18.8
Western Europe	127.0	125.0	130.2	132.0	147.0
Japan	45.9	48.5	61.5	66.8	69.6
Eastern Europe	11.7	12.0	15.2	20.6	30.9
Former Soviet Union	36.5	41.7	48.3	57.7	66.7
Total Annex I Participants	231.8	240.8	271.0	294.4	333.0

Note: Totals may not equal sum of components due to independent rounding.

Sources: 2002: 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).

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**Table F3. World Nuclear Generating Capacity by Region and Country, Weak Nuclear Power Case, 2002-2025
(Gigawatts)**

Region/Country	2002	Projections			
		2010	2015	2020	2025
Mature Market Economies					
North America	110.9	114.2	114.6	114.9	111.2
United States	98.9	100.6	102.2	102.7	102.7
Canada	10.6	12.1	11.0	10.8	7.1
Mexico	1.4	1.4	1.4	1.4	1.4
Western Europe	127.0	107.1	94.6	73.2	45.2
Mature Market Asia	45.9	46.8	47.4	45.1	40.5
Japan	45.9	46.8	47.4	45.1	40.5
Australia/New Zealand	0.0	0.0	0.0	0.0	0.0
Total Mature Market	283.8	268.0	256.6	233.2	196.9
Transitional Economies					
Former Soviet Union	36.5	36.8	37.0	34.6	30.3
Russia	21.2	23.7	23.9	21.5	18.9
Other FSU	15.2	13.1	13.1	13.1	11.4
Eastern Europe	11.7	10.7	10.8	11.4	10.2
Total Transitional	48.2	47.5	47.8	46.0	40.4
Emerging Economies					
Emerging Asia	24.3	39.0	47.5	54.4	55.7
China	2.2	8.6	12.8	16.8	18.5
India	2.9	5.7	6.2	7.8	10.0
South Korea	13.7	16.8	20.6	22.8	23.3
Other	5.6	7.9	7.9	7.0	3.9
Middle East	0.0	0.9	0.9	0.9	0.9
Africa	1.8	1.8	1.8	2.0	0.3
Central and South America	3.0	2.8	2.5	3.1	2.5
Brazil	2.0	1.9	1.9	2.5	2.5
Other	1.0	0.9	0.6	0.6	0.0
Total Emerging	29.1	44.5	52.7	60.4	59.5
Total World	361.2	360.1	357.1	339.7	296.8
Nations Participating in Kyoto Protocol Annex I					
Canada	10.6	13.7	15.8	17.3	18.8
Western Europe	127.0	125.0	130.2	132.0	147.0
Japan	45.9	48.5	61.5	66.8	69.6
Eastern Europe	11.7	10.7	10.8	11.4	10.2
Former Soviet Union	36.5	36.8	37.0	34.6	29.3
Total Annex I Participants	231.8	234.6	255.3	262.2	274.9

Note: Totals may not equal sum of components due to independent rounding.

Sources: 2002: 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/iaf/aeo/; and System for the Analysis of Global Energy Markets (2005).

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**Table F4. World Nuclear Generating Capacity by Region and Country, Kyoto Protocol Case, 2002-2025
(Gigawatts)**

Region/Country	2002	Projections			
		2010	2015	2020	2025
Mature Market Economies					
North America	110.9	116.5	118.1	118.6	118.0
United States	98.9	100.6	102.2	102.7	102.7
Canada	10.6	14.5	14.5	14.5	13.9
Mexico	1.4	1.4	1.4	1.4	1.4
Western Europe	127.0	123.3	119.7	117.9	109.8
Mature Market Asia	45.9	47.7	51.5	61.1	61.1
Japan	45.9	47.7	51.5	61.1	61.1
Australia/New Zealand	0.0	0.0	0.0	0.0	0.0
Total Mature Market	283.8	287.5	289.3	297.6	288.9
Transitional Economies					
Former Soviet Union	36.5	40.1	42.8	50.0	54.9
Russia	21.2	25.5	28.5	31.8	35.5
Other FSU	15.2	14.7	14.3	18.2	19.4
Eastern Europe	11.7	12.3	14.3	16.2	19.8
Total Transitional	48.2	52.5	57.1	66.1	74.7
Emerging Economies					
Emerging Asia	24.3	49.0	60.1	70.7	79.7
China	2.2	10.8	18.1	21.1	26.0
India	2.9	7.9	10.5	14.2	15.3
South Korea	13.7	22.0	23.3	24.1	25.5
Other	5.6	8.3	8.2	11.3	13.0
Middle East	0.0	0.9	0.9	0.9	0.9
Africa	1.8	1.9	2.0	2.0	2.0
Central and South America	3.0	2.8	4.8	4.4	4.4
Brazil	2.0	1.9	3.1	3.1	3.1
Other	1.0	0.9	1.6	1.3	1.3
Total Emerging	29.1	54.6	67.8	78.1	87.1
Total World	361.2	394.6	414.2	441.8	450.7
Nations Participating in Kyoto Protocol Annex I					
Canada	10.6	14.5	14.5	14.5	13.9
Western Europe	127.0	123.3	119.7	117.9	109.8
Japan	45.9	47.7	51.5	61.1	61.1
Eastern Europe	11.7	12.3	14.3	16.2	19.8
Former Soviet Union	36.5	39.8	42.8	48.3	53.2
Total Annex I Participants	231.8	237.6	242.8	257.9	257.8

Note: Totals may not equal sum of components due to independent rounding.

Sources: 2002: 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).