R. NEVIN STAFF EXHIBIT 3

NIRS/PC EC-7

Appendix E

Projections of Nuclear Generating Capacity

- Reference
- High Growth
- Low Growth

Table E1. World Nuclear Generating Capacity by Region and Country, Reference Case, 2000-2025
(Megawatts)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	2000	2001	2002	2010	2015	2020	2025	
Industrialized Countries								
North America	**109,238**	**109,537**	**110,035**	**116,489**	**118,042**	**119,252**	**116,395**	**0.3**
United States	97,860	98,159	98,657	100,570	102,123	102,603	102,603	0.2
Canada	10,018	10,018	10,018	14,477	14,477	15,207	12,351	0.9
Mexico	1,360	1,360	1,360	1,442	1,442	1,442	1,442	0.2
Western Europe	**125,926**	**125,926**	**125,530**	**125,002**	**119,541**	**103,856**	**92,737**	**-1.3**
United Kingdom	12,498	12,498	12,102	9,639	7,229	6,019	3,619	-5.0
France	63,073	63,073	63,073	66,610	68,210	69,810	69,810	0.4
Germany	21,283	21,283	21,283	17,320	12,669	1,345	0	-100.0
Netherlands	450	450	450	450	450	450	0	-100.0
Other	28,622	28,622	28,622	30,982	30,982	26,231	19,307	-1.6
Industrialized Asia	**43,245**	**43,245**	**43,602**	**50,308**	**53,148**	**56,882**	**54,281**	**1.0**
Japan	43,245	43,245	43,602	50,308	53,148	56,882	54,281	1.0
Total Industrialized	**278,409**	**278,708**	**279,167**	**291,798**	**290,730**	**279,989**	**263,413**	**-0.2**
EE/FSU								
Former Soviet Union	**33,796**	**34,746**	**34,746**	**41,226**	**42,750**	**39,280**	**35,615**	**0.1**
Russia	19,843	20,793	20,793	25,886	27,786	24,501	20,835	0.0
Other FSU	13,953	13,953	13,953	15,340	14,964	14,779	14,779	0.2
Eastern Europe	**10,676**	**11,588**	**11,684**	**12,175**	**13,830**	**12,965**	**12,965**	**0.5**
Total EE/FSU	**44,472**	**46,334**	**46,430**	**53,401**	**56,580**	**52,245**	**48,580**	**0.2**
Developing Countries								
Developing Asia	**22,814**	**23,016**	**27,987**	**40,939**	**52,844**	**61,772**	**66,712**	**4.5**
China	2,167	2,167	5,328	8,803	15,803	17,803	20,793	9.9
India	2,348	2,550	2,460	6,176	7,406	8,923	8,923	5.4
South Korea	12,990	12,990	14,890	17,646	21,446	26,257	27,607	3.2
Other	5,309	5,309	5,309	8,314	8,189	8,789	9,389	2.4
Middle East	**0**	**0**	**0**	**915**	**2,111**	**2,111**	**2,111**	—
Africa	**1,800**	**1,800**	**1,800**	**1,908**	**2,038**	**2,038**	**2,038**	**0.5**
Central/South America	**2,836**	**2,836**	**2,836**	**2,836**	**2,836**	**2,501**	**2,501**	**-0.5**
Brazil	1,901	1,901	1,901	1,901	1,901	1,901	1,901	0.0
Other	935	935	935	935	935	600	600	-1.8
Total Developing	**27,450**	**27,652**	**32,623**	**46,598**	**59,829**	**68,422**	**73,362**	**4.1**
Total World	**350,331**	**352,694**	**358,220**	**391,798**	**407,140**	**400,656**	**385,355**	**0.4**

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.
Sources: **History:** International Atomic Energy Agency, *Nuclear Power Reactors in the World 2001* (Vienna, Austria, April 2003). **Projections:** Energy Information Administration (EIA), *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table A9; and EIA, Office of Coal, Nuclear, Electric and Alternate Fuels, based on detailed assessments of country-specific nuclear power plants.

Table E2. World Nuclear Generating Capacity by Region and Country, High Growth Case, 2000-2025
(Megawatts)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	2000	2001	2002	2010	2015	2020	2025	
Industrialized Countries								
North America	**109,238**	**109,537**	**110,035**	**116,489**	**119,502**	**121,712**	**122,712**	**0.5**
United States	97,860	98,159	98,657	100,570	102,123	102,603	102,603	0.2
Canada	10,018	10,018	10,018	14,477	15,937	16,667	16,667	2.1
Mexico	1,360	1,360	1,360	1,442	1,442	2,442	3,442	3.9
Western Europe	**125,926**	**125,926**	**125,530**	**130,819**	**134,039**	**141,639**	**148,037**	**0.7**
United Kingdom	12,498	12,498	12,102	10,619	10,639	12,639	11,674	-0.3
France	63,073	63,073	63,073	66,610	69,810	71,410	73,010	0.6
Germany	21,283	21,283	21,283	21,521	21,521	21,521	22,284	0.2
Italy	0	0	0	0	0	1,000	1,000	—
Netherlands	450	450	450	450	450	450	1,450	5.0
Other	28,622	28,622	28,622	31,618	31,618	34,618	38,618	1.3
Industrialized Asia	**43,245**	**43,245**	**43,602**	**52,555**	**59,671**	**65,371**	**72,771**	**2.2**
Japan	43,245	43,245	43,602	52,555	59,671	65,371	72,771	2.2
Total Industrialized	**278,409**	**278,708**	**279,167**	**299,862**	**313,211**	**328,721**	**343,519**	**0.9**
EE/FSU								
Former Soviet Union	**33,796**	**34,746**	**34,746**	**43,946**	**47,496**	**55,375**	**65,341**	**2.7**
Russia	19,843	20,793	20,793	28,606	31,156	37,686	43,742	3.1
Other FSU	13,953	13,953	13,953	15,340	16,340	17,689	21,599	1.8
Eastern Europe	**10,676**	**11,588**	**11,684**	**12,563**	**15,606**	**18,336**	**22,066**	**2.7**
Total EE/FSU	**44,472**	**46,334**	**46,430**	**56,509**	**63,102**	**73,711**	**87,407**	**2.7**
Developing Countries								
Developing Asia	**22,814**	**23,016**	**27,987**	**43,989**	**58,573**	**71,954**	**89,173**	**5.8**
China	2,167	2,167	5,328	10,903	17,903	20,903	24,903	10.7
India	2,348	2,550	2,460	6,176	8,960	11,860	12,123	6.7
South Korea	12,990	12,990	14,890	18,596	22,796	26,846	32,246	3.9
Other	5,309	5,309	5,309	8,314	8,914	12,345	19,901	5.7
Middle East	**0**	**0**	**0**	**915**	**2,111**	**3,111**	**7,111**	—
Turkey	0	0	0	0	0	0	2,000	—
Other	0	0	0	915	2,111	3,111	5,111	—
Africa	**1,800**	**1,800**	**1,800**	**2,038**	**2,298**	**2,558**	**4,818**	**4.2**
Central/South America	**2,836**	**2,836**	**2,836**	**2,836**	**4,757**	**4,757**	**5,757**	**3.0**
Brazil	1,901	1,901	1,901	1,901	3,130	3,130	4,130	3.3
Other	935	935	935	935	1,627	1,627	1,627	2.3
Total Developing	**27,450**	**27,652**	**32,623**	**49,778**	**67,739**	**82,380**	**106,859**	**5.8**
Total World	**350,331**	**352,694**	**358,220**	**406,149**	**444,053**	**484,813**	**537,786**	**1.8**

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

Sources: **History:** International Atomic Energy Agency, *Nuclear Power Reactors in the World 2001* (Vienna, Austria, April 2003). **Projections:** Energy Information Administration (EIA), *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table A9; and EIA, Office of Coal, Nuclear, Electric and Alternate Fuels, based on detailed assessments of country-specific nuclear power plants.

Table E3. World Nuclear Generating Capacity by Region and Country, Low Growth Case, 2000-2025
(Megawatts)

Region/Country	History			Projections				Average Annual Percent Change, 2001-2025
	2000	2001	2002	2010	2015	2020	2025	
Industrialized Countries								
North America	**109,238**	**109,537**	**110,035**	**116,489**	**115,185**	**113,990**	**110,731**	**0.0**
United States	97,860	98,159	98,657	100,570	102,123	102,603	102,603	0.2
Canada	10,018	10,018	10,018	14,477	11,621	9,946	6,687	-1.7
Mexico	1,360	1,360	1,360	1,442	1,442	1,442	1,442	0.2
Western Europe	**125,926**	**125,926**	**125,530**	**112,807**	**97,181**	**79,205**	**43,734**	**-4.3**
United Kingdom	12,498	12,498	12,102	6,019	2,994	1,814	1,259	-9.1
France	63,073	63,073	63,073	66,610	66,610	59,412	36,442	-2.3
Germany	21,283	21,283	21,283	12,669	1,345	0	0	-100.0
Netherlands	450	450	450	450	0	0	0	-100.0
Other	28,622	28,622	28,622	27,058	26,231	17,979	6,033	-6.3
Industrialized Asia	**43,245**	**43,245**	**43,602**	**49,396**	**49,470**	**42,492**	**38,074**	**-0.5**
Japan	43,245	43,245	43,602	49,396	49,470	42,492	38,074	-0.5
Total Industrialized	**278,409**	**278,708**	**279,167**	**278,692**	**261,836**	**235,687**	**192,539**	**-1.5**
EE/FSU								
Former Soviet Union	**33,796**	**34,746**	**34,746**	**35,954**	**32,365**	**27,457**	**16,638**	**-3.0**
Russia	19,843	20,793	20,793	22,174	18,585	13,678	7,689	-4.1
Other FSU	13,953	13,953	13,953	13,779	13,779	13,779	8,949	-1.8
Eastern Europe	**10,676**	**11,588**	**11,684**	**11,310**	**11,310**	**11,965**	**10,017**	**-0.6**
Total EE/FSU	**44,472**	**46,334**	**46,430**	**47,264**	**43,675**	**39,423**	**26,655**	**-2.3**
Developing Countries								
Developing Asia	**22,814**	**23,016**	**27,987**	**37,813**	**42,628**	**51,088**	**51,698**	**3.4**
China	2,167	2,167	5,328	8,603	9,793	14,793	16,514	8.8
India	2,348	2,550	2,460	3,964	5,689	7,821	7,572	4.6
South Korea	12,990	12,990	14,890	17,057	18,957	21,566	24,000	2.6
Other	5,309	5,309	5,309	8,189	8,189	6,909	3,612	-1.6
Middle East	**0**	**0**	**0**	**915**	**915**	**915**	**915**	**—**
Africa	**1,800**	**1,800**	**1,800**	**1,908**	**2,038**	**1,908**	**0**	**-100.0**
Central/South America	**2,836**	**2,836**	**2,836**	**2,501**	**2,501**	**1,275**	**1,275**	**-3.3**
Brazil	1,901	1,901	1,901	1,901	1,901	1,275	1,275	-1.7
Other	935	935	935	600	600	0	0	-100.0
Total Developing	**27,450**	**27,652**	**32,623**	**43,137**	**48,082**	**55,186**	**53,888**	**2.8**
Total World	**350,331**	**352,694**	**358,220**	**369,092**	**353,593**	**330,296**	**273,083**	**-1.1**

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

Sources: **History:** International Atomic Energy Agency, *Nuclear Power Reactors in the World 2001* (Vienna, Austria, April 2003). **Projections:** Energy Information Administration (EIA), *Annual Energy Outlook 2004*, DOE/EIA-0383(2004) (Washington, DC, January 2004), Table A9; and EIA, Office of Coal, Nuclear, Electric and Alternate Fuels, based on detailed assessments of country-specific nuclear power plants.