

Frank Barnaby, September 2007

APPENDIX:

**WORLD NUCLEAR POWER REACTORS 2006-07
and Uranium Requirements**

	NUCLEAR ELECTRICITY GENERATION 2006		REACTORS OPERABLE Sep 2007		REACTORS under CONSTRUCTION Sep 2007		REACTORS PLANNED Sep 2007		REACTORS PROPOSED Sep 2007		URANIUM REQUIRED 2007
	% e	No.	MWe	No.	MWe	No.	MWe	No.	MWe	tonnes U	
Argentina	6.9	2	935	1	692	1	740	1	740	135	
Armenia	42	1	376	0	0	0	0	1	1000	51	
Belgium	54	7	5728	0	0	0	0	0	0	1079	
Brazil	3.3	2	1901	0	0	1	1245	4	4000	338	
Bulgaria	44	2	1906	0	0	2	1900	0	0	255	
Canada*	16	18	12595	2	1540	4	4000	2	2200	1836	
China	1.9	11	8587	5	4540	30	32000	86	68000	1454	
China: Taiwan	20	6	4884	2	2600	0	0	0	0	906	
Czech Republic	31	6	3472	0	0	0	0	2	1900	550	
Egypt	0	0	0	0	0	0	0	1	600	0	
Finland	28	4	2696	1	1600	0	0	1	1000	472	

France		78	59	63473	1	1630	0	0	1	1600	10368
Germany		32	17	20339	0	0	0	0	0	0	3486
Hungary		38	4	1826	0	0	0	0	2	2000	254
India		2.6	17	3779	6	2976	4	2800	15	11100	491
Indonesia		0	0	0	0	0	0	0	2	2000	0
Iran		0	0	0	1	915	2	1900	3	2850	143
Israel		0	0	0	0	0	0	0	1	1200	0
Japan		30	55	47577	2	2285	11	14945	1	1100	8872
Kazakhstan		0	0	0	0	0	0	0	1	300	0
Korea DPR (North)		0	0	0	0	0	1	950	0	0	0
Korea RO (South)		39	20	17533	3	3000	5	6600	0	0	3037
Lithuania		69	1	1185	0	0	0	0	2	3200	134
Mexico		4.9	2	1310	0	0	0	0	2	2000	257
Netherlands		3.5	1	485	0	0	0	0	0	0	112
Pakistan		2.7	2	400	1	300	2	600	2	2000	64
Romania		9.0	2	1310	0	0	2	1310	1	655	92
Russia		16	31	21743	7	4920	8	9600	20	18200	3777
Slovakia		57	5	2064	2	840	0	0	0	0	299

Slovenia		40	1	696	0	0	0	0	1	1000	145
South Africa		4.4	2	1842	0	0	1	165	24	4000	332
Spain		20	8	7442	0	0	0	0	0	0	1473
Sweden		48	10	9086	0	0	0	0	0	0	1468
Switzerland		37	5	3220	0	0	0	0	1	1000	575
Turkey		0	0	0	0	0	3	4500	0	0	0
Ukraine		48	15	13168	0	0	2	1900	20	27000	2003
United Kingdom		18	19	11035	0	0	0	0	0	0	2021
USA		19	104	99049	0	0	7	10180	25	32000	20050
Vietnam		0	0	0	0	0	0	0	2	2000	0
WORLD		16	439	372,002	34	27,838	86	95,175	223	193,045	66,529
	% e		No.	MWe	No.	MWe	No.	MWe	No.	MWe	tonnes U
	NUCLEAR ELECTRICITY GENERATION		REACTORS OPERATING		REACTORS BUILDING		ON ORDER or PLANNED		PROPOSED		URANIUM REQUIRED

Notes:

Operating = Connected to the grid;

Planned = Approvals, funding or major commitment in place, or construction well advanced but suspended indefinitely;

Proposed = clear intention or proposal but still without firm commitment. Planned and proposed are generally gross MWe.

TWh = Terawatt-hours (billion kilowatt-hours), MWe = Megawatt net (electrical as distinct from thermal), kWh = kilowatt-hour

NB: 66,529 tU = 78,458 t U₃O₈