

# 世界の 原電 一覽表

〈1986年 12月31日 現在〉

美國原子力學會의 「Nuclear News」誌가 1986年 12月 31日 現在 全世界에서 運轉中, 建設中 및 發注計劃中인 30MWe 以上の 原子力發電所를 調査한 바에 따르면 商業運轉中인 原子力發電所는 378基로서 施設容量은 1985年度보다 6.8% 增加한 265,808MWe이다.

1986年度에 새로 商業運轉을 시작한 發電所의 數는 1985年度의 43基보다 훨씬 적은 23基이다. 이와 같이 新規原電의 數가 줄은 것은 原則的으로 每年 發注數의 變動이 있기 때문인데 近年에 發注水準이 減少한 것에도 起因한다. 그러나 今年에는 運轉施設容量이 상당히 增加할 것으로 展望된다.

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struc- tion stage (%)	Commercial orig. sched- ule†	actual orex- pected
<b>Argentina</b>									
<b>Comision Nacional de Energia Atomica (CNEA)</b>									
• Atucha 1 (Lima, Buenos Aires)	335	PHWR	Siemens	KWU	Siemens	Siemens/Imp.	100	6/72	6/74
• Atucha 2 (Lima, Buenos Aires)	692	PHWR	KWU	KWU	CNEA/KWU	CNEA/KWU	50	6/87	6/92
• Embalse (Embalse, Rio Tercero)	600	CANDU	AECL	Italimpianti	AECL/ Italimpianti	AECL/ Italimpianti	100	1/80	11/83
<b>Austria</b>									
<b>Gemeinschaftskraftwerk Tullnerfeld (GKT)</b>									
Tullnerfeld 1 (Zwentendorf)	692	BWR	KWU/AEG	KWU/Elin	KWU	SO	100	8/76	indef.*
<b>Belgium</b>									
<b>Indivision Doel</b>									
• Doel 1 (Antwerp)	390	PWR	ACECOWEN	COP/TOSI/ ACEC	TE		100	6/73	2/75
• Doel 2 (Antwerp)	390	PWR	ACECOWEN	COP/TOSI/ ACEC	TE		100	3/75	11/75
<b>Société Belgo-Française d'Énergie Nucléaire Mosane (SEMOS)</b>									
• Tihange 1 (Huy, Liège)	870	PWR	ACLF	Aisthom/Rateau/ La Meuse/ ACEC-JS	EdF/ Electrobel	CFE-Blaton/ADF SPIE-SNTP/C-B	100	12/74	9/75
• Units in commercial operation									CONTINUED
† Estimated date, announced at time reactor was ordered									
* Completed but not approved for operation									

## World List of Nuclear Power Plants, cont'd

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Construction stage (%)	Commercial orig. sched-ule†	actual or ex-pected
<b>BELGIUM, cont'd</b>									
<b>Société Intercommunale Belge de Gaz et d'Electricité (INTERCOM)</b>									
• Tihange 2 (Huy, Liège)	900	PWR	FRAMACECO	Alsthom/Rateau/La Meuse/ACEC	Electrobel	CTAFMC	100	4/80	6/83
• Tihange 3 (Huy, Liège)	1000	PWR	ACECOWEN	Brown Boveri/Alsthom/ACEC	Electrobel	CTAFMC	100	4/82	9/85
<b>Sociétés Réunies d'Energie du Bassin de l'Escaut (EBES)</b>									
• Doel 3 (Antwerp)	900	PWR	FRAMACECO	Alsthom-Atlantique/ACEC	TE	TE	100	2/80	10/82
• Doel 4 (Antwerp)	1000	PWR	ACECOWEN	Alsthom-Atlantique/ACEC	TE	TE	100	12/82	7/85
<b>Brazil</b>									
<b>Furnas</b>									
• Angra 1 (Itaorna)	626	PWR	W	W	G&H/PE	W	100	3/77	12/84
• Angra 2 (Itaorna)	1245	PWR	KWU	KWU	Nuclen	Nucon	20	12/87	3/92
• Angra 3 (Itaorna)	1245	PWR	KWU	KWU	Nuclen	Nucon	2	12/88	7/95
<b>Bulgaria</b>									
• Kozloduy 1 (Kozloduy)	440	PWR	AEE				100		12/74
• Kozloduy 2 (Kozloduy)	440	PWR	AEE				100		12/75
• Kozloduy 3 (Kozloduy)	440	PWR	AEE				100	/78	12/80
• Kozloduy 4 (Kozloduy)	440	PWR	AEE				100	/79	8/82
• Kozloduy 5 (Kozloduy)	953	PWR	AEE						/87
• Kozloduy 6 (Kozloduy)	953	PWR	AEE						/89
<b>Canada</b>									
<b>New Brunswick Electric Power Commission</b>									
• Point Lepreau (Bay of Fundy, N.B.)	640	PHWR	AECL	H-P	AECL/CTL/Utility	Utility	100	10/79	1/83
<b>Ontario Hydro</b>									
• Pickering 1 (Pickering, Ont.)	515	PHWR	AECL	H-P	OH/AECL	OH	100	11/70	7/71
• Pickering 2 (Pickering, Ont.)	515	PHWR	AECL	H-P	OH/AECL	OH	100	10/71	12/71
• Pickering 3 (Pickering, Ont.)	515	PHWR	AECL	H-P	OH/AECL	OH	100	10/72	6/72
• Pickering 4 (Pickering, Ont.)	515	PHWR	AECL	H-P	OH/AECL	OH	100	10/73	6/73
• Pickering 5 (Pickering, Ont.)	516	PHWR	AECL	H-P	OH/AECL	OH	100	4/80	5/83
• Pickering 6 (Pickering, Ont.)	516	PHWR	AECL	H-P	OH/AECL	OH	100	1/81	2/84
• Pickering 7 (Pickering, Ont.)	516	PHWR	AECL	H-P	OH/AECL	OH	100	10/81	1/85
• Pickering 8 (Pickering, Ont.)	516	PHWR	AECL	H-P	OH/AECL	OH	100	7/82	2/86
• Bruce 1 (Tiverton, Ont.)	759*	PHWR	AECL	H-P	OH/AECL	OH	100	6/77	9/77
• Bruce 2 (Tiverton, Ont.)	769*	PHWR	AECL	H-P	OH/AECL	OH	100	9/76	9/77
• Bruce 3 (Tiverton, Ont.)	759*	PHWR	AECL	H-P	OH/AECL	OH	100	6/78	2/78
• Bruce 4 (Tiverton, Ont.)	769*	PHWR	AECL	H-P	OH/AECL	OH	100	6/79	1/79
• Bruce 5 (Tiverton, Ont.)	835	PHWR	AECL	CGE	OH/AECL	OH	100	7/83	3/85
• Bruce 6 (Tiverton, Ont.)	837	PHWR	AECL	CGE	OH/AECL	OH	100	10/82	9/84
• Bruce 7 (Tiverton, Ont.)	837	PHWR	AECL	CGE	OH/AECL	OH	100	4/84	4/86
• Bruce 8 (Tiverton, Ont.)	837	PHWR	AECL	CGE	OH/AECL	OH	100	1/85	7/87
• Darlington 1 (Newcastle Twp., Ont.)	881	PHWR	AECL	BBC	OH/AECL	OH	58	8/86	8/89
• Darlington 2 (Newcastle Twp., Ont.)	881	PHWR	AECL	BBC	OH/AECL	OH	81	1/85	11/88
• Darlington 3 (Newcastle Twp., Ont.)	881	PHWR	AECL	BBC	OH/AECL	OH	24	5/87	5/91
• Darlington 4 (Newcastle Twp., Ont.)	881	PHWR	AECL	BBC	OH/AECL	OH	14	2/88	2/92
<b>Hydro Quebec</b>									
• Gentilly 2 (Bécancour, Qué.)	638	PHWR	AECL	GE	AECL/CTL/HQ	HQ	100	11/79	9/83
<b>China (People's Republic of)</b>									
<b>Ministry of Nuclear Industry</b>									
Qinshan (Qinshan, Zhejiang Province)	300	PWR	MNI	MNI	MNI	MNI		/88	/88

\*Bruce 1, 2, 3, and 4 have additional capacity for process steam, bringing their net power ratings (MWe equivalent) to 770, 848, 848, and 848 respectively.

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struction stage (%)	Operation orig. sched- ule†	actual or ex- pected
<b>CHINA, cont'd</b>									
<b>Ministry of Nuclear Industry, cont'd</b>									
Guangdong 1 (Daya Bay, Guangdong Province)	900	PWR	Fra	GEC					/90
Guangdong 2 (Daya Bay, Guangdong Province)	900	PWR	Fra	GEC					/90
<b>Cuba</b>									
Juragua 1 (Cienfuegos)	440	PWR	AEE						/89
Juragua 2 (Cienfuegos)	440	PWR	AEE						/91
<b>Czechoslovakia</b>									
• Bohunice 1 (Jaslovské Bohunice)	400	PWR	AEE				100		12/78
• Bohunice 2 (Jaslovské Bohunice)	400	PWR	AEE				100	/79	3/80
• Bohunice 3 (Jaslovské Bohunice)	400	PWR	AEE				100	/82	8/84
• Bohunice 4 (Jaslovské Bohunice)	400	PWR	AEE				100	/83	8/85
• Dukovany 1 (Dukovany)	390	PWR	AEE				100	/82	3/85
• Dukovany 2 (Dukovany)	390	PWR	AEE					/83	3/86
• Dukovany 3 (Dukovany)	390	PWR	AEE					/83	12/86
• Dukovany 4 (Dukovany)	390	PWR	AEE					/84	/87
• Mochovce 1 (Mochovce)	390	PWR	AEE						/89
• Mochovce 2 (Mochovce)	390	PWR	AEE						/90
• Mochovce 3 (Mochovce)	390	PWR	AEE						/91
• Mochovce 4 (Mochovce)	390	PWR	AEE						/92
• Temelin 1	890	PWR	AEE						/92
<b>Finland</b>									
<b>Imatran Voima Osakeyhtiö (IVO)</b>									
• Loviisa 1 (Loviisa)	445	PWR	AEE	AEE	IVO	IVO	100	6/76	5/77
• Loviisa 2 (Loviisa)	445	PWR	AEE	AEE	IVO	IVO	100	4/78	1/81
<b>Teollisuuden Voima Osakeyhtiö (TVO)</b>									
• TVO-1 (Olkiluoto)	710	BWR	ASEA-Atom	Stal-Laval	ASEA-Atom	ASEA-Atom	100	8/78	10/79
• TVO-2 (Olkiluoto)	710	BWR	ASEA-Atom	Stal-Laval	ASEA-Atom	Jukola	100	8/80	7/82
<b>France</b>									
<b>Commissariat à l'Energie Atomique</b>									
• Phenix (Gard)	233	LMFBR	CEA/EdF/ Novatome	CEM	CEA/Novatome EdF	SGE	100		12/73
<b>Centrale Nucleaire Europeene a Neutrons Rapides S.A. (Nersa)</b>									
Creys-Maiville (Isere)	1200	LMFBR	Novatome/NIRA	Ansaldo	Nersa	Fou/CdA/PH	97	2/83	1/87
<b>Electricité de France (EdF)</b>									
• Chinon A3 (Indre-et-Loire)	400	GCR	various	Alsthom	EdF/CEA	GTM	100		8/67
• Chinon B1 (Indre-et-Loire)	870	PWR	Fra	Alsthom	EdF	GTM	100	2/82	2/84
• Chinon B2 (Indre-et-Loire)	870	PWR	Fra	Alsthom	EdF	GTM	100	6/82	8/84
• Chinon B3 (Indre-et-Loire)	870	PWR	Fra	Alsthom	EdF	GTM	100	5/86	2/87
• Chinon B4 (Indre-et-Loire)	870	PWR	Fra	Alsthom	EdF	GTM	85	1/87	11/87
• Saint-Laurent-des-Eaux 1 (Loir-et-Cher)	460	GCR	various	Alsthom	EdF	GTM	100		3/69
• Saint-Laurent-des-Eaux 2 (Loir-et-Cher)	515	GCR	various	Alsthom	EdF	GTM	100		8/71
• Saint-Laurent-des-Eaux B1 (Loir-et-Cher)	880	PWR	Fra	Alsthom	EdF	GTM	100	1/81	8/83
• Saint-Laurent-des-Eaux B2 (Loir-et-Cher)	880	PWR	Fra	Alsthom	EdF	GTM	100	6/81	8/83
• Bugey 1 (Ain)	540	GCR	various	Rateau/JS	EdF	Dumez	100		4/72
• Bugey 2 (Ain)	920	PWR	Fra	Alsthom	EdF	Bouygues	100	12/76	2/79
• Bugey 3 (Ain)	920	PWR	Fra	Alsthom	EdF	Bouygues	100	8/77	2/79
• Bugey 4 (Ain)	900	PWR	Fra	Alsthom	EdF	Bouygues	100	6/78	6/79
• Bugey 5 (Ain)	900	PWR	Fra	Alsthom	EdF	Bouygues	100	11/78	1/80
• Fessenheim 1 (Haut-Rhin)	880	PWR	Fra	Alsthom	EdF	C-B	100	10/75	12/77
• Fessenheim 2 (Haut-Rhin)	880	PWR	Fra	Alsthom	EdF	C-B	100	7/76	3/78

CONTINUED

• Units in commercial operation

† Estimated date, announced at time reactor was ordered

## World List of Nuclear Power Plants, cont'd

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Construction stage (%)	Commercial operation scheduled	Commercial operation actual or expected
<b>FRANCE, cont'd</b>									
<b>EdF, cont'd</b>									
• Dampierre 1 (Loiret)	890	PWR	Fra	Alsthom	EdF	CM/SeB/Ballot	100	7/79	9/80
• Dampierre 2 (Loiret)	890	PWR	Fra	Alsthom	EdF	CM/SeB/Ballot	100	1/80	2/81
• Dampierre 3 (Loiret)	890	PWR	Fra	Alsthom	EdF	CM/SeB/Ballot	100	7/80	5/81
• Dampierre 4 (Loiret)	890	PWR	Fra	Alsthom	EdF	CM/SeB/Ballot	100	4/81	11/81
• Gravelines B1 (Nord)	910	PWR	Fra	Alsthom	EdF	SGE	100	4/79	11/80
• Gravelines B2 (Nord)	910	PWR	Fra	Alsthom	EdF	SGE	100	10/79	12/80
• Gravelines B3 (Nord)	910	PWR	Fra	Alsthom	EdF	SGE	100	5/80	6/81
• Gravelines B4 (Nord)	910	PWR	Fra	Alsthom	EdF	SGE	100	2/81	10/81
• Gravelines C5 (Nord)	910	PWR	Fra	Alsthom	EdF	SGE	100	11/84	1/85
• Gravelines C6 (Nord)	910	PWR	Fra	Alsthom	EdF	SGE	100	8/85	11/85
• Tricastin 1 (Drome)	915	PWR	Fra	Alsthom	EdF	C-B-C	100	2/79	12/80
• Tricastin 2 (Drome)	915	PWR	Fra	Alsthom	EdF	C-B-C	100	8/79	12/80
• Tricastin 3 (Drome)	915	PWR	Fra	Alsthom	EdF	C-B-C	100	3/80	5/81
• Tricastin 4 (Drome)	915	PWR	Fra	Alsthom	EdF	C-B-C	100	9/80	11/81
• Blayais 1 (Gironde)	910	PWR	Fra	Alsthom	EdF	SB/Dumez	100	2/81	12/81
• Blayais 2 (Gironde)	910	PWR	Fra	Alsthom	EdF	SB/Dumez	100	9/81	2/83
• Blayais 3 (Gironde)	910	PWR	Fra	Alsthom	EdF	SB/Dumez	100	9/82	11/83
• Blayais 4 (Gironde)	910	PWR	Fra	Alsthom	EdF	SB/Dumez	100	2/83	10/83
• Paluel 1 (Seine-Maritime)	1290	PWR	Fra	Alsthom	EdF	CM/Ballot/Chag	100	2/83	12/85
• Paluel 2 (Seine-Maritime)	1290	PWR	Fra	Alsthom	EdF	CM/Ballot/Chag	100	5/83	12/85
• Paluel 3 (Seine-Maritime)	1290	PWR	Fra	Alsthom	EdF	CM/Ballot/Chag	100	6/84	2/86
• Paluel 4 (Seine-Maritime)	1290	PWR	Fra	Alsthom	EdF	CM/Ballot/Chag	100	9/85	6/86
• Cruas 1 (Ardeche)	880	PWR	Fra	Alsthom	EdF	C-B-C	100	5/83	4/84
• Cruas 2 (Ardeche)	880	PWR	Fra	Alsthom	EdF	C-B-C	100	8/83	4/85
• Cruas 3 (Ardeche)	880	PWR	Fra	Alsthom	EdF	C-B-C	100	2/84	9/84
• Cruas 4 (Ardeche)	880	PWR	Fra	Alsthom	EdF	C-B-C	100	8/84	2/85
• Saint-Alban 1 (Isere)	1300	PWR	Fra	Alsthom	EdF	Bouygues	100	11/84	5/86
• Saint-Alban 2 (Isere)	1300	PWR	Fra	Alsthom	EdF	Bouygues	100	10/85	2/87
• Flamanville 1 (Manche)	1290	PWR	Fra	Alsthom	EdF	SGE/SCREG	100	1/85	12/86
• Flamanville 2 (Manche)	1290	PWR	Fra	Alsthom	EdF	SGE/SCREG	100	12/85	1/87
• Cattenom 1 (Moselle)	1265	PWR	Fra	Alsthom	EdF	SB/Dumez	100	8/85	2/87
• Cattenom 2 (Moselle)	1265	PWR	Fra	Alsthom	EdF	SB/Dumez	90	5/86	8/87
• Cattenom 3 (Moselle)	1265	PWR	Fra	Alsthom	EdF	SB/Dumez	70	7/88	4/89
• Cattenom 4 (Moselle)	1265	PWR	Fra	Alsthom	EdF	SB/Dumez	50	7/90	10/90
• Belleville 1 (Cher)	1275	PWR	Fra	Alsthom	EdF	GTM	90	10/86	10/87
• Belleville 2 (Cher)	1275	PWR	Fra	Alsthom	EdF	GTM	80	8/87	8/88
• Nogent s/Seine 1 (Aube)	1275	PWR	Fra	Alsthom	EdF	CB	80	5/87	4/88
• Nogent s/Seine 2 (Aube)	1275	PWR	Fra	Alsthom	EdF	CB	70	3/88	1/89
• Penly 1 (Seine-Maritime)	1290	PWR	Fra	Alsthom	EdF	CM	60	10/89	4/90
• Penly 2 (Seine-Maritime)	1290	PWR	Fra	Alsthom	EdF	CM	30	6/91	3/92
• Golfech 1 (Tarn et Garonne)	1275	PWR	Fra	Alsthom	EdF	Fougerolle	55	1/90	6/90
• Golfech 2 (Tarn et Garonne)	1275	PWR	Fra	Alsthom	EdF	Fougerolle	35	5/92	5/93
• Chooz B1 (Ardennes)	1390	PWR	Fra	Alsthom	EdF	Bouygues	40	5/91	10/91
• Chooz B2 (Ardennes)	1390	PWR	Fra	Alsthom	EdF	Bouygues	15	10/93	10/93
<b>Société D'Énergie Nucléaire Franco-Beige des Ardennes</b>									
• Chooz A (Ardennes)	310	PWR	ACECOWEN/Fra	Rateau/C-L	G&H/SPIE	SGE/CITRA	100		4/67
<b>Germany (Democratic Republic)</b>									
• Rheinsberg 1 (Rheinsberg, Granese region)	70	PWR	AEE				100	/60	5/66
• Nord 1 (Lubmin, Greifswald region)	408	PWR	AEE				100	12/74	12/73
• Nord 2 (Lubmin, Greifswald region)	408	PWR	AEE				100	/75	2/75
• Nord 3	408	PWR	AEE				100	/77	6/78
• Nord 4	408	PWR	AEE				100	/78	11/79
• Nord 5	408	PWR	AEE						/87
• Nord 6	408	PWR	AEE						/87
• Nord 7	408	PWR	AEE						/88
• Nord 8	408	PWR	AEE						/89
• Stendal 1	900	PWR	AEE						/91
• Stendal 2	900	PWR	AEE						/93

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struc- tion stage (%)	Commercial orig. sched- ule†	actual or ex- pected
<b>Germany (Federal Republic)</b>									
<b>Bayernwerk AG</b>									
• Grafenrheinfeld KKG (Grafenrheinfeld)	1235	PWR	KWU	KWU	KWU	KWU	100	11/78	6/82
<b>Gemeinschaftskernkraftwerk Neckar (GKN)</b>									
• GKN 1 (Neckarwestheim)	795	PWR	KWU	KWU	KWU	KWU	100	2/76	12/76
• GKN 2 (Neckarwestheim)	1225	PWR	KWU	KWU	KWU	KWU	60	5/89	5/89
<b>Kernkraftwerk Kruemmel GmbH (KKK)</b>									
• Kruemmel KKK (Geestacht-Kruemmel/ Elbe)	1260	BWR	AEG	KWU	KWU	Hoch/ Hammers/ Heitkamp/ Holzmann	100	9/77	3/84
<b>Kernkraftwerk Lippe-EMS GmbH (KLE)</b>									
Emsland (Lingen)	1242	PWR	KWU	KWU	KWU	KWU	85	2/89	8/88
<b>Hochtemperatur-Kernkraftwerk GmbH (HKG)</b>									
THTR 300 (Hamm-Uentrop)	296	HTR	HRB	BBC	BBC/HRB	KTHTR	100	3/77	/87
<b>Kernkraftwerk Brokdorf GmbH</b>									
• KBR (Brokdorf)	1307	PWR	KWU	KWU	KWU	KWU	100	9/77	12/86
<b>Kernkraftwerk Brunsbuettel GmbH (KKB)</b>									
• Brunsbuettel (Brunsbuettel/Elbe)	771	BWR	AEG	KWU	KWU	KWU	100	4/74	2/77
<b>Kernkraftwerk Isar (KKI)</b>									
• KKI 1 (Essenbach)	907	BWR	KWU	KWU	KWU	KWU	100	11/76	3/79
• KKI 2 (Essenbach)	1285	PWR	KWU	KWU	KWU	KWU	85	7/88	7/88
<b>Kernkraftwerk Obrigheim GmbH (KWO)</b>									
• Obrigheim KWO (Obrigheim)	340	PWR	Siemens	Siemens	Siemens	Siemens	100	3/69	3/69
<b>Kernkraftwerk Philippsburg (KKP)</b>									
• KKP 1 (Philippsburg)	864	BWR	KWU	KWU	KWU	KWU	100	/74	2/80
• KKP 2 (Philippsburg)	1268	PWR	KWU	KWU	KWU	KWU	100	11/82	4/85
<b>Kernkraftwerk RWE-Bayernwerk GmbH (KRB)</b>									
• KRB II Block B (Gundremmingen)	1244	BWR	KWU	KWU	KWU/Hoch	KWU/Hoch	100	6/79	7/84
• KRB II Block C (Gundremmingen)	1244	BWR	KWU	KWU	KWU/Hoch	KWU/Hoch	100	6/80	1/85
<b>Kernkraftwerk Stade GmbH (KKS)</b>									
• Stade KKS (Stade)	630	PWR	Siemens	Siemens	Siemens	Siemens	100	4/72	5/72
<b>Kernkraftwerk Sud GmbH (KWS)</b>									
KWS (Wyl/Rhein)	1284	PWR	KWU	KWU	KWU	KWU	0	/79	indef.
<b>Preussische Elektrizitaets AG</b>									
• KWW (Wuergassen)	640	BWR	AEG	AEG/KWU	AEG/KWU	Hochtief	100	2/72	3/72
<b>Kernkraftwerk Untermweser GmbH (KKU)</b>									
• KKU (Esensham)	1230	PWR	KWU	KWU	KWU	Arge/KKU	100	1/76	10/79
<b>Gemeinschaftskernkraftwerk Grohnde GmbH (KWG)</b>									
• KWG (Grohnde)	1300	PWR	KWU	KWU	KWU	Arge/KWG	100	8/79	2/85
<b>Rheinisch-Westfaelisches Elektrizitaetswerk AG (RWE)</b>									
• Biblis A (Worms/Rhein)	1146	PWR	Siemens	KWU	KWU	Hochtief	100	6/74	3/75
• Biblis B (Worms/Rhein)	1240	PWR	Siemens	KWU	KWU	Hochtief	100	8/76	1/77
• Biblis C (Worms/Rhein)	1237	PWR	KWU	KWU	KWU	Hochtief	0	/81	indef.
Mulheim-Kaerlich (Mulheim-Kaerlich)	1227	PWR	BBR	BBC	BBC	Hochtief	100	5/78	4/87
Neupotz 1 (Neupotz)	1246	PWR					0	/83	indef.
Pfaffenhofen A (Pfaffenhofen ad Zusam)	1258	PWR	KWU	KWU	KWU		0	/90	indef.
<b>Schnell-Bruter-Kernkraftwerksgesellschaft (SBR)</b>									
Kalkar SNR-300 (Kalkar)	295	LMFBR	Int/BN/Nera	KWU	INB	INB/Hoch	98	1/80	/87
<b>Hungary</b>									
<b>Hungarian Electrical Works</b>									
• Paks 1 (Paks)	410	PWR	AEE	AEE/GVM	EROTERV		100	/80	8/83
• Paks 2 (Paks)	410	PWR	AEE	AEE/GVM	EROTERV		100		9/84
• Paks 3 (Paks)	410	PWR	AEE	AEE/GVM	EROTERV		100		12/86
• Paks 4 (Paks)	410	PWR	AEE	AEE/GVM	EROTERV		88		12/87
• Paks 5 (Paks)	1000	PWR	AEE				0	/95	/95
• Paks 6 (Paks)	1000	PWR	AEE				0	/97	/97
<b>India</b>									
<b>Atomic Energy Commission, Department of Atomic Energy</b>									
• Tarapur 1 (Bombay)	160	BWR	GE	GE	Bechtel	Bechtel	100	2/69	10/69
• Tarapur 2 (Bombay)	160	BWR	GE	GE	Bechtel	Bechtel	100	2/69	10/69

CONTINUED

• Units in commercial operation

† Estimated date, announced at time reactor was ordered

## World List of Nuclear Power Plants, cont'd

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Construction stage (%)	Commercial orig. sched-ule	Operation actual or expected
<b>INDIA, cont'd</b>									
<b>AEC, OEA, cont'd</b>									
● RAPP 1 (Kota, Rajasthan)	202	PHWR	CGE	EEC	AECL/MECO	HCC	100	12/69	12/73
● RAPP 2 (Kota, Rajasthan)	202	PHWR	L&T	EEC	AECL/MECO	HCC	100	12/73	4/81
● MAPP 1 (Kalpakkam, Tamil Nadu)	220	PHWR	L&T	BHEL	DAE	ECC	100	6/76	1/84
● MAPP 2 (Kalpakkam, Tamil Nadu)	220	PHWR	L&T	BHEL	DAE	ECC	100	6/77	10/85
● NAPP 1 (Narora, Uttar Pradesh)	220	PHWR	WIL	BHEL	DAE	HCC	85	3/81	5/88
● NAPP 2 (Narora, Uttar Pradesh)	220	PHWR	R&C	BHEL	DAE	HCC	80	3/82	2/89
● KAPP 1 (Kakrapar, Gujarat)	220	PHWR	L&T/WIL	BHEL	DAE	HCC	22	2/91	2/91
● KAPP 2 (Kakrapar, Gujarat)	220	PHWR	L&T/WIL	BHEL	DAE	HCC	17	2/92	2/92
<b>Italy</b>									
<b>Ente Nazionale per l'Energia Elettrica (ENEL)</b>									
● Latina (Borgo Sabotino)	150	GCR	TNPG	Parsons/AMN	TNPG	Torno/McAlp Recchi	100		5/63
● Trino Vercellese 1 (Vercelli)	257	PWR	W	Franco Tosi/Marelli	G&H		100		10/64
● Cirene (Latina)	40	LWCHW	NIRA	AMN	NIRA/ENEL	Torno	86	7/77	1/88
● Caorso (Caorso, Piacenza)	875	BWR	AMN/GETSCO	AMN/ASGEN	G&H	SOGENE	100	4/75	12/81
● Montalto di Castro 1 (Montalto di Castro)	982	BWR	AMN/GETSCO	AMN/ASGEN	ENEL/G&H/AMN	CCN	48	11/83	1/90
● Montalto di Castro 2 (Montalto di Castro)	982	BWR	AMN/GETSCO	AMN/ASGEN	ENEL/G&H/AMN	CCN	34	3/83	9/90
● Piemonte Trino 1 (Trino Vercellese)	960	PWR	AMN	undecided	ENEL	undecided	0	/94	/94
● Piemonte Trino 2 (Trino Vercellese)	960	PWR	AMN	undecided	ENEL	undecided	0	/96	/96
<b>Japan</b>									
<b>Chubu Electric Power Co.</b>									
● Hamaoka 1 (Hamaoka-cho, Shizuoka-Pref.)	516	BWR	Toshiba	Hitachi	Chubu/Toshiba	Takenaka/Kajima	100	11/74	3/76
● Hamaoka 2 (Hamaoka-cho, Shizuoka-Pref.)	814	BWR	Toshiba	Hitachi	Chubu/Toshiba/Hitachi	Takenaka/Kajima	100	3/78	11/78
● Hamaoka 3 (Hamaoka-cho, Shizuoka-Pref.)	1066	BWR	Toshiba	Hitachi	Chubu/Toshiba/Hitachi	Takenaka/Kajima	96		9/87
<b>Chugoku Electric Power Co., Inc.</b>									
● Shimane 1 (Kashima-cho, Shimane-Pref.)	439	BWR	Hitachi	Hitachi	Hitachi	Kajima	100	11/73	3/74
● Shimane 2 (Kashima-cho, Shimane Pref.)	791	BWR	Hitachi	Hitachi	Hitachi/Kajima	Kajima/Shimizu/Okumura	70	9/88	2/89
<b>Hokkaido Electric Power Co.</b>									
● Tomari-1 (Tomari-mura, Hokkaido)	579	PWR	MHI	MHI/MEL	MAPI	Taisei/Obay Shimizu	65.9	6/89	6/89
● Tomari-2 (Tomari-mura, Hokkaido)	579	PWR	MHI	MHI/MEL	MAPI	Taisei/Obay Shimizu	29.6	6/91	6/91
<b>Japan Atomic Power Co. Ltd. (JAPC)</b>									
● Tokai 1 (Tokai Mura)	159	GCR	GEC	GEC	GEC	Shimizu	100		7/66
● Tsuruga 1 (Tsuruga)	340	BWR	GE	GE	Ebasco	Takenaka	100		3/70
● Tsuruga 2 (Tsuruga)	1115	PWR	MHI	MHI/MEL	MHI/MAPI	Obay/Takenaka/Shimizu/Kum	99.1	6/87	3/87
● Tokai 2 (Tokai Mura)	1056	BWR	GE	GE	Ebasco	Shimizu	100	8/77	11/78
<b>Kansai Electric Power Co., Inc.</b>									
● Mihama 1 (Mihama-cho)	320	PWR	W	MHI/MEL	KEPCO/Gilbert	Maeda/Kum/Obay	100		11/70
● Mihama 2 (Mihama-cho)	470	PWR	MHI	MHI/MEL	KEPCO/MAPI	Maeda/Kum/Obay	100		7/72
● Takahama 1 (Takahama-cho)	780	PWR	W	MHI/MEL	KEPCO/Gilbert	Maeda/Haz/Taisei	100	8/74	11/74
● Takahama 2 (Takahama-cho)	780	PWR	MHI	MHI/MEL	KEPCO/MAPI	Maeda/Haz/Taisei	100	7/75	11/75
● Takahama 3 (Takahama-cho)	830	PWR	MHI	MHI/MEL	KEPCO/MAPI	Maeda, Haz, Kum/Takenaka, Obay, Taisei, Haz	100	2/85	1/85
● Takahama 4 (Takahama-cho)	830	PWR	MHI	MHI/MEL	KEPCO/MAPI	Maeda, Haz, Kum/Takenaka, Obay, Taisei, Haz	100	8/85	6/85
● Mihama 3 (Mihama-cho)	780	PWR	MHI	MHI/MEL	KEPCO/MAPI	Taisei, Haz/Takenaka	100	7/76	12/76

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struc- tion stage (%)	Commercial Operation orig. sched- ule†	orig. actual expected
<b>JAPAN, cont'd</b>									
<b>Kansai Electric, cont'd</b>									
• Ohi 1 (Ohi-cho)	1120	PWR	W	MHI/MEL	KEPCO/Gilbert	Kum/Obay	100	7/76	3/79
• Ohi 2 (Ohi-cho)	1120	PWR	W	MHI/MEL	KEPCO/Gilbert	Kum/Obay	100	1/77	12/79
• Ohi 3 (Ohi-cho)	1180	PWR	MHI	MHI			0	8/91	8/91
• Ohi 4 (Ohi-cho)	1180	PWR	MHI	MHI			0	6/92	6/92
<b>Kyushu Electric Power Co., Inc.</b>									
• Genkai 1 (Genkai, Saga)	529	PWR	MHI	MHI/MEL	MAPI	Obay	100	7/75	10/75
• Genkai 2 (Genkai, Saga)	529	PWR	MHI	MHI/MEL	MAPI	Obay	100	3/81	3/81
• Genkai 3 (Genkai, Saga)	1127	PWR	MHI	MHI/MEL	MAPI		5		7/93
• Genkai 4 (Genkai, Saga)	1127	PWR	MHI	MHI/MEL	MAPI		1		7/95
• Sendai 1 (Sendai, Kagoshima)	846	PWR	MHI	MHI/MEL	MAPI	Taisei	100	7/84	7/84
• Sendai 2 (Sendai, Kagoshima)	846	PWR	MHI	MHI/MEL	MAPI	Taisei	100	3/86	11/85
<b>Power Reactor &amp; Nuclear Fuel Development Corp. (PNC)</b>									
• Fugen, ATR (Tsuruga)	148	HWLWR	Hitachi/MHI/SHI/Fuji	Toshiba	PNC/EPDC	Maeda/Kajima	100	12/76	3/79
• Monju (Tsuruga)	250	LMFBR	Toshiba/Hitachi/MHI/Fuji	Toshiba	PNC/FBEC	Obayashi/Taisei/Kajima	23.2	10/92	/93
<b>Shikoku Electric Power Co.</b>									
• Ikata 1 (Ikata-cho, Ehime Pref.)	538	PWR	MHI	MHI/MEL	MAPI	MHI/Taisei	100	4/77	9/77
• Ikata 2 (Ikata-cho, Ehime Pref.)	538	PWR	MHI	MHI/MEL	MAPI	MHI/Taisei	100	10/81	3/82
• Ikata 3 (Ikata-cho, Ehime Pref.)	846	PWR					2	3/92	3/92
<b>Tohoku Electric Power Co., Inc.</b>									
• Onagawa (Oshikagun)	497	BWR	Toshiba	Toshiba	Toshiba	Kajima	100	12/75	6/84
• Maki 1	825	BWR					0	/96	/96
<b>Tokyo Electric Power Co.</b>									
• Fukushima Daiichi 1 (Fukushima)	439	BWR	GE	GE	Ebasco	Kajima	100		3/71
• Fukushima Daiichi 2 (Fukushima)	760	BWR	GE	GE	Ebasco	Kajima	100		7/74
• Fukushima Daiichi 3 (Fukushima)	760	BWR	Toshiba	Toshiba	Toshiba	Kajima	100		3/76
• Fukushima Daiichi 4 (Fukushima)	760	BWR	Hitachi	Hitachi	Hitachi	Kajima	100	8/76	10/78
• Fukushima Daiichi 5 (Fukushima)	760	BWR	Toshiba	Toshiba	Toshiba	Kajima	100	12/75	4/78
• Fukushima Daiichi 6 (Fukushima)	1067	BWR	GE	GE	Ebasco	Kajima	100	10/76	10/79
• Fukushima Daini 1 (Fukushima)	1067	BWR	Toshiba	Toshiba	Toshiba	Kajima	100	5/82	4/82
• Fukushima Daini 2 (Fukushima)	1067	BWR	Hitachi	Hitachi	Hitachi	Kajima	100	8/83	2/84
• Fukushima Daini 3 (Fukushima)	1067	BWR	Toshiba	Toshiba	Toshiba	Kajima	100	6/85	6/85
• Fukushima Daini 4 (Fukushima)	1067	BWR	Hitachi	Hitachi	Hitachi	Takenaka/Shimizu	96.6	12/85	9/87
• Kashiwazaki Kariwa 1 (Niigata)	1067	BWR	Toshiba	Toshiba	Toshiba	Kajima	100	12/84	9/85
• Kashiwazaki Kariwa 2 (Niigata)	1067	BWR	Toshiba	Toshiba	Toshiba	Kajima	32.9	10/90	10/90
• Kashiwazaki Kariwa 3 (Niigata)	1100	BWR					0	7/93	7/93
• Kashiwazaki Kariwa 4 (Niigata)	1100	BWR					0	7/93	7/93
• Kashiwazaki Kariwa 5 (Niigata)	1067	BWR	Hitachi	Hitachi	Hitachi	Takenaka/Shimizu	46.6	4/90	4/90
<b>Korea</b>									
<b>Korea Electric Power Corporation</b>									
• Korea Nuclear 1 (Ko-Ri, near Pusan City)	556	PWR	W	GEC	Gilbert	W	100	12/75	4/78
• Korea Nuclear 2 (Ko-Ri, near Pusan City)	605	PWR	W	GEC	Gilbert	W	100	2/83	7/83
• Korea Nuclear 3 (Wolsung-Kun)	629	PHWR	AECL	NEI Parsons Ltd.	Canatom/AECL	AECL	100	1/82	4/83
• Korea Nuclear 5 (Ko-Ri, near Pusan City)	895	PWR	W	GEC	Bechtel	Hyundai	100	9/84	9/85
• Korea Nuclear 6 (Ko-Ri, near Pusan City)	895	PWR	W	GEC	Bechtel	Hyundai	100	9/85	4/86
• Korea Nuclear 7 (Young Kwang-Kun)	900	PWR	W	W	Bechtel	Hyundai	100	3/86	8/86
• Korea Nuclear 8 (Young Kwang-Kun)	900	PWR	W	W	Bechtel	Hyundai	98.7	3/87	7/87
• Korea Nuclear 9 (Ul Jin-Kun, near Yeongju City)	943	PWR	Fra	Alsthom	Fra/Alsthom	Dong Ah/KHIC	83.8	12/87	9/88
• Korea Nuclear 10 (Ul Jin-Kun, near Yeongju City)	943	PWR	Fra	Alsthom	Fra/Alsthom	Dong Ah/KHIC	71.3	12/88	9/89
<b>Mexico</b>									
<b>Comision Federal de Electricidad (CFE)</b>									
• Laguna Verde 1 (Laguna Verde, Veracruz)	654	BWR	GE	Mitsubishi	Ebasco	CFE/Ebasco	97.7	6/77	11/87
• Laguna Verde 2 (Laguna Verde, Veracruz)	654	BWR	GE	Mitsubishi	Ebasco	CFE/Ebasco	46.6	6/78	11/91

CONTINUED

• Units in commercial operation

† Estimated date, announced at time reactor was ordered

## World List of Nuclear Power Plants, cont'd

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Construction stage (%)	Commercial operation scheduled	Actual or expected
<b>Netherlands</b>									
<b>Gemeenschappelijke Kernenergiecentrale Nederland NV (GKN)</b>									
● Dodewaard (Dodewaard, Betuwe)	55	BWR	RDM	Stork	GKN	BAM	100	1/69	1/69
<b>NV Provinciale Zeeuwse Energie Maatschappij (PZEM)</b>									
● Borssele (Borssele)	445	PWR	KWU/RDM	KWU/Stork	KWU	KWU/Bredero	100	7/73	10/73
<b>Pakistan</b>									
<b>Pakistan Atomic Energy Commission</b>									
● Kanupp (near Karachi)	125	PHWR	CGE	Hitachi	CGE	CGE	100	6/71	12/72
<b>Philippines</b>									
<b>Philippine National Power Corp.</b>									
PNPP 1 (Morong, Bataan Luzon)	620	PWR	W	W	B&R	W	98.5	12/82	indef.
<b>Poland</b>									
Zarnowiec 1 (Zarnowiec)	434	PWR	Skoda	Zamech	Loatep/Energo Project	Megadex	20	/85	/91
Zarnowiec 2 (Zarnowiec)	434	PWR	Skoda	Zamech	Loatep/Energo Project	Megadex	20	/86	/92
Zarnowiec 3 (Zarnowiec)	434	PWR	Skoda	Zamech	Loatep/Energo Project	Megadex			/94
Zarnowiec 4 (Zarnowiec)	434	PWR	Skoda	Zamech	Loatep/Energo Project	Megadex			/95
Kujawy 1	1000	PWR							/96
Kujawy 2	1000	PWR							/98
<b>Rumania</b>									
Ort	440	PWR	AEE				0	/80	indef.
Cernavoda 1	620	CANDU	AECL	AMN/GE	AECL/GE/AMN	Romenergo	50	/86	/90
Cernavoda 2	620	CANDU	AECL	AMN/GE	AECL/GE/AMN	Romenergo	30	/87	/92
Cernavoda 3	620	CANDU	AECL			Romenergo	15		/94
Cernavoda 4	620	CANDU	AECL			Romenergo	10		/95
Cernavoda 5	620	CANDU	AECL			Romenergo	5		/96
<b>South Africa</b>									
<b>ESCOM</b>									
● Koeberg 1 (near Cape Town)	920	PWR	Fra	Alstom	Fra/Alstom/Framateg	SB	100	12/82	7/84
● Koeberg 2 (near Cape Town)	920	PWR	Fra	Alstom	Fra/Alstom/Framateg	SB	100	12/83	11/85
<b>Spain</b>									
<b>Fuerzas Electricas de Cataluna, S.A., and Endesa</b>									
● Asco 1 (Asco, Tarragona)	880	PWR	W	W/ENB	Bechtel/Initec/lyP	Several	100	7/77	12/84
<b>Fuerzas Electricas de Cataluna, S.A., Endesa, Hidroelectrica de Cataluna, S.A., and Fuerzas Hidroelectrica del Segre, S.A.</b>									
● Asco 2 (Asco, Tarragona)	880	PWR	W	W/ENB	Bechtel/Initec/lyP	Several	100	12/77	6/85
<b>Centrales Nucleares del Norte, SA (NUCLENOR)</b>									
● Santa Maria de Garona (Santa Maria de Garona, Burgos)	440	BWR	GE	GE	Ebasco	GE	100	2/70	3/71
<b>Compania Sevillana de Electricidad SA, Hidroelectrica Española SA</b>									
Valdecaballeros 1 (Badajoz)	975	BWR	GE	GE	EA	AETEA/others	71	/81	indef.
Valdecaballeros 2 (Badajoz)	975	BWR	GE	GE	EA	AETEA/others	58	/82	indef.

CONTINUED



	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struc- tion stage (%)	Commercial Operation orig. sched- ule†	or ex- pected
<b>SPAIN, cont'd</b>									
<b>Compania Sevillana de Electricidad SA, Hidroelectrica Española SA, and Union Electrica-Fenosa, SA</b>									
• Almaraz 1 (Almaraz, Caceres)	930	PWR	W	W	EA/G&HE	EyT	100	11/76	8/81
• Almaraz 2 (Almaraz, Caceres)	930	PWR	W	W	EA/G&HE	EyT	100	12/77	12/83
<b>Union Electrica-Fenosa, Iberduero, Hidroelectrica del Cantabrico</b>									
Trillo 1 (Trillo, Guad.)	997	PWR	KWU/ENSA	KWU/ E. N. Bazan	EA	EA EyT/others	90	6/82	/88
<b>Union Electrica-Fenosa, Empresa Nacional De Electricidad</b>									
Trillo 2 (Trillo, Guad.)	997	PWR	KWU/ENSA				0		indef.
<b>Asociacion Nuclear Vandellós Endesa-Hidruña (ANV)</b>									
Vandellos 2 (Tarragona)	982	PWR	W	W/E. N. Bazan	Initec/Bechtel	VANEA	97	12/81	/87
<b>Union Electrica-Fenosa (Fuerzas Electricas del Noroeste, S.A.)</b>									
Regodola (Lugo)	1000	PWR	KWU	KWU			0		indef.
<b>Hidroelectrica Española SA</b>									
• Cofrentes (Cofrentes, Valencia)	975	BWR-6	GE	GE/GEE	EA/SEN/ G&H	EyT/others	100	7/78	3/85
<b>Hispano-Francesa de Energia Nuclear, SA (HIFRENSA)</b>									
• Vandellos (Tarragona)	480	GCR	SFAC	Alsthom/J-S	SOCIA	GC	100	9/72	7/72
<b>Iberduero SA</b>									
Lemoniz 1 (Lemoniz, Vizcaya)	900	PWR	W	W	Iber/Bech/ Sen/Initec	Iberduero	97	12/76	indef.
Lemoniz 2 (Lemoniz, Vizcaya)	900	PWR	W	W	Iber/Bech/ Sen/Initec	Iberduero	57	7/78	indef.
Sayago (Sayago, Zamora)	1075	PWR	W	W	Iber/Bech/ Sen/Initec	Iberduero	0	6/81	indef.
<b>Union Electrica (UE)-Fenosa SA</b>									
• Jose Cabrera (near Madrid)	153	PWR	W	W	G&H	EyT	100	7/68	8/69
<b>Sweden</b>									
<b>OKG Aktiebolag</b>									
• Oskarshamn 1 (Oskarshamn)	440	BWR	ASEA-Atom	ASEA/ Stal-Laval	ASEA-Atom	Armerad- Betong	100		2/72
• Oskarshamn 2 (Oskarshamn)	595	BWR	ASEA-Atom	ASEA/ BBC/Stal-Laval	OKG/AA/BBC/ SL/VBB	Armerad- Betong	100	8/74	12/74
• Oskarshamn 3 (Oskarshamn)	1060	BWR	ASEA-Atom	ASEA/Stal-Laval	AA/SL/OKG/VBB	ABV/Skanska/ Boliden-WP- Contech	100	12/83	8/85
<b>Statens Vattenfallverkk (SSPB)</b>									
• Ringhals 1 (Varberg)	750	BWR	ASEA-Atom	EE	ASEA-Atom/SSPB	SSPB	100	6/73	2/76
• Ringhals 2 (Varberg)	800	PWR	W	Stal-Laval	SSPB/G&H/S-L	SSPB	100	7/74	5/75
• Ringhals 3 (Varberg)	915	PWR	W	Stal-Laval	VBB-TE/S-L	SSPB	100	12/77	4/81
• Ringhals 4 (Varberg)	915	PWR	W	Stal-Laval	VBB-TE/S-L	SSPB	100	7/79	11/83
• Forsmark 1 (Uppsala)	970	BWR	ASEA-Atom	Stal-Laval	A-A/SSPB/S-L	SSPB	100	7/78	12/80
• Forsmark 2 (Uppsala)	970	BWR	ASEA-Atom	Stal-Laval	A-A/SSPB/S-L	SSPB	100	7/80	7/81
• Forsmark 3 (Uppsala)	1050	BWR	ASEA-Atom	Stal-Laval	A-A/SSPB/S-L	SSPB	100	/82	8/85
<b>Sydskraft A. B.</b>									
• Barseback 1 (Malmo)	600	BWR	ASEA-Atom	Stal-Laval	A-A/S-L/SK/VBB	SCG	100	7/75	7/75
• Barseback 2 (Malmo)	585	BWR	ASEA-Atom	Stal-Laval	A-A/S-L/SK/VBB	SCG	100	7/77	7/77
<b>Switzerland</b>									
<b>Bernische Kraftwerke AG (BKW)</b>									
• Muhleberg (near Berne)	320	BWR	GETSCO	BBC	BBC/E&B/ GETSCO	BBC/ GETSCO	100		10/72
<b>Kernkraftwerk Graben AG (KWG)</b>									
Graben (Graben)	1140	BWR					0	12/79	indef.
<b>Kernkraftwerk Leibstadt AG</b>									
• Leibstadt (Leibstadt)	990	BWR	GETSCO	BBC	BBC/GETSCO/ EWI	BBC/ GETSCO	100	10/78	12/84

CONTINUED

• Units in commercial operation

† Estimated date, announced at time reactor was ordered

## World List of Nuclear Power Plants, cont'd

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Construction stage (%)	Commercial orig. scheduled	Commercial operation actual expected
<b>SWITZERLAND, cont'd</b>									
<b>Nordostschweizerische Kraftwerke AG (NOK)</b>									
• Beznau 1 (Doettingen)	350	PWR	W	BBC	G&H/BBC	Zschokke	100	12/69	12/69
• Beznau 2 (Doettingen)	350	PWR	W	BBC	G&H/BBC	Zschokke	100	3/72	3/72
<b>Kernkraftwerk Gosgen-Daniken AG</b>									
• Gosgen (Daniken, SO)	920	PWR	KWU	KWU	KWU	KWU	100	11/77	11/79
<b>Kernkraftwerk Kaiseraugst AG</b>									
• Kaiseraugst (Kaiseraugst)	1000						0		/95
<b>Taiwan</b>									
<b>Taiwan Power Co.</b>									
• Chinsshan 1 (Shihmin Hsiang)	604	BWR	GE	W	Ebasco	TPC	100	3/75	12/78
• Chinsshan 2 (Shihmin Hsiang)	604	BWR	GE	W	Ebasco	TPC	100	3/76	7/79
• Kuosheng 1 (Kuosheng)	948	BWR	GE	W	Bechtel	TPC	100	4/80	12/81
• Kuosheng 2 (Kuosheng)	948	BWR	GE	W	Bechtel	TPC	100	4/81	3/83
• Maanshan 1 (Maanshan)	890	PWR	W	GE	Bechtel	TPC	100	5/84	7/84
• Maanshan 2 (Maanshan)	890	PWR	W	GE	Bechtel	TPC	100	5/85	5/85
<b>United Kingdom</b>									
<b>Central Electricity Generating Board (CEGB)</b>									
• Berkeley 1 (Gloucestershire)	138	GCR	TNPG	AEI	TNPG	JL-Bal	100		6/62
• Berkeley 2 (Gloucestershire)	138	GCR	TNPG	AEI	TNPG	JL-Bal	100		10/62
• Bradwell 1 (Essex)	150	GCR	TNPG	Par(UK)	TNPG	McAlpine	100		6/62
• Bradwell 2 (Essex)	150	GCR	TNPG	Par(UK)	TNPG	McAlpine	100		11/62
• Trawstynydd 1 (Wales)	250	GCR	APC	RW	APC	NCC	100		2/65
• Trawstynydd 2 (Wales)	250	GCR	APC	RW	APC	NCC	100		3/65
• Dungeness A1 (Kent)	275	GCR	TNPG	Par(UK)/AEI	TNPG	McAlpine	100		9/65
• Dungeness A2 (Kent)	275	GCR	TNPG	Par(UK)/AEI	TNPG	McAlpine	100		12/65
• Dungeness B1 (Kent)	600	AGR	APC	Par(UK)	APC	APC	100	1/70	3/85
• Dungeness B2 (Kent)	600	AGR	APC	Par(UK)	APC	APC	100	1/71	1/86
• Sizewell A1 (Suffolk)	290	GCR	EE/BW/TW	EE	EE/BPL/TW	TW	100		1/66
• Sizewell A2 (Suffolk)	290	GCR	EE/BW/TW	EE	EE/BPL/TW	TW	100		3/66
• Hinkley Point A1 (Somerset)	250	GCR	EE/BW/TW	EE	EE/BPL/TW	TW	100		5/65
• Hinkley Point A2 (Somerset)	250	GCR	EE/BW/TW	EE	EE/BPL/TW	TW	100		5/65
• Hinkley Point B1 (Somerset)	625	AGR	NPC	AEI/GEC	NPC	NPC	100	12/72	6/76
• Hinkley Point B2 (Somerset)	625	AGR	NPC	AEI/GEC	NPC	NPC	100	12/73	1/77
• Oldbury 1 (Gloucestershire)	300	GCR	TNPG	AEI/Par(UK)	TNPG	McAlpine	100		1/68
• Oldbury 2 (Gloucestershire)	300	GCR	TNPG	AEI/Par(UK)	TNPG	McAlpine	100		1/68
• Wylfa 1 (Anglesey)	590	GCR	EE/B&W/TW	EE	EE/BPL/TW	TW	100		11/71
• Wylfa 2 (Anglesey)	590	GCR	EE/B&W/TW	EE	EE/BPL/TW	TW	100		1/72
• Hartlepool R1 (Cleveland)	625	AGR	NNC	GEC	NNC	NNC	100	1/74	5/84
• Hartlepool R2 (Cleveland)	625	AGR	NNC	GEC	NNC	NNC	100	1/74	1/85
• Heysham 1 R1 (Lancashire)	625	AGR	NNC	GEC	NNC	NNC	100	1/75	4/84
• Heysham 1 R2 (Lancashire)	625	AGR	NNC	GEC	NNC	NNC	100	1/75	11/84
• Heysham 2 R1	660	AGR	NNC	NEI	CEGB	various	95	1/87	/87
• Heysham 2 R2	660	AGR	NNC	NEI	CEGB	various	90	/88	/88
<b>South of Scotland Electricity Board</b>									
• Hunterston A1 (Ayrshire)	160	GCR	GEC	GEC	GEC	Mowlem	100		5/64
• Hunterston A2 (Ayrshire)	160	GCR	GEC	GEC	GEC	Mowlem	100		9/64
• Hunterston B1 (Ayrshire)	625	AGR	TNPG	Par (UK)	TNPG	TNPG	100	3/73	6/76
• Hunterston B2 (Ayrshire)	625	AGR	TNPG	Par (UK)	TNPG	TNPG	100	9/73	5/77
• Torness Point 1 (Dunbar, East Lothian)	700	AGR	NNC	GEC	NNC	various	100		7/87
• Torness Point 2 (Dunbar, East Lothian)	700	AGR	NNC	GEC	NNC	various	90		4/88
<b>British Nuclear Fuels Ltd.</b>									
• Calder Hall 1 (Cumbria)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100		9/56
• Calder Hall 2 (Cumbria)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100		9/56
• Calder Hall 3 (Cumbria)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100		9/56
• Calder Hall 4 (Cumbria)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100		9/56

• Units in commercial operation

† Estimated date, announced at time reactor was ordered

NOTE: Removed from this list is the proposed plant in Turkey; no contract or letter of intent has been signed for the unit. Also removed is the USSR's damaged Chernobyl 4 unit.

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struc- tion stage (%)	Commercial Operation orig. actual sched- or ex- ule† pected
<b>UNITED KINGDOM cont'd</b>								
<b>British Nuclear Fuels Ltd., cont'd</b>								
● Chapel Cross 1 (Dumfriesshire)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100	11/58
● Chapel Cross 2 (Dumfriesshire)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100	11/58
● Chapel Cross 3 (Dumfriesshire)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100	11/58
● Chapel Cross 4 (Dumfriesshire)	50	GCR	UKAEA	Par (UK)	UKAEA	TW	100	11/58
<b>United Kingdom Atomic Energy Authority (UKAEA)</b>								
● Winfrith SGHWR (Dorset)	92	HWLWR	UKAEA	AEI/RPL	UKAEA	Turriff	100	2/68
● Dounreay PFR (Highland)	250	LMFBR	UKAEA/TNPG	EE	UKAEA	NPC	100	10/73 8/76
<b>United States</b>								
<b>NORTHEAST</b>								
<b>Baltimore Gas &amp; Electric Co.</b>								
● Calvert Cliffs 1 (Lusby, Md.)	850	PWR	C-E	GE	Bechtel	Bechtel	100	1/73 5/75
● Calvert Cliffs 2 (Lusby, Md.)	850	PWR	C-E	W	Bechtel	Bechtel	100	1/74 4/77
<b>Boston Edison Co.</b>								
● Pilgrim 1 (Plymouth, Mass.)	670	BWR	GE	GE	Bechtel	Bechtel	100	10/71 12/72
<b>Connecticut Yankee Atomic Power Co.</b>								
● Haddam Neck (Haddam Neck, Conn.)	582	PWR	W	W	S&W	S&W	100	11/67 1/68
<b>Consolidated Edison Co.</b>								
● Indian Point 2 (Indian Point, N.Y.)	873	PWR	W	W	UE&C	Wedco	100	6/69 7/74
<b>Duquesne Light Co.</b>								
● Beaver Valley 1 (Shippingport, Pa.)	833	PWR	W	W	S&W	S&W/DLC	100	6/73 4/77
● Beaver Valley 2 (Shippingport, Pa.)	833	PWR	W	W	S&W	DLC	98	10/78 8/87
<b>GPU Nuclear Corporation</b>								
● Oyster Creek 1 (Forked River, N.J.)	620	BWR	GE	GE	B&R/GE	B&R	100	2/68 12/69
● Three Mile Island 1 (Londonderry Twp., Pa.)	792	PWR	B&W	GE	Gilbert	UE&C	100	9/71 9/74
<b>Long Island Lighting Co.</b>								
● Shoreham (Brookhaven, N.Y.)	809	BWR	GE	GE	S&W	Utility	100	7/5 indef.*
<b>Maine Yankee Atomic Power Co.</b>								
● Maine Yankee (Wiscasset, Me.)	825	PWR	C-E	W	S&W	S&W	100	12/72
<b>New Hampshire Yankee, Inc.</b>								
● Seabrook 1 (Seabrook, N.H.)	1150	PWR	W	GE	UE&C	UE&C	100	11/79 /87
<b>New York Power Authority</b>								
● Indian Point 3 (Indian Point, N.Y.)	965	PWR	W	W	UE&C	Wedco	100	7/71 8/76
● James A. FitzPatrick (Scriba, N.Y.)	821	BWR	GE	GE	S&W	S&W	100	1/73 7/75
<b>Niagara Mohawk Power Corp.</b>								
● Nine Mile Point 1 (Scriba, N.Y.)	610	BWR	GE	GE	Utility	S&W	100	11/68 12/69
● Nine Mile Point 2 (Scriba, N.Y.)	1080	BWR	GE	GE	S&W	S&W	100	7/78 7/87
<b>Northeast Utilities</b>								
● Millstone 1 (Waterford, Conn.)	660	BWR	GE	GE	Ebasco	Ebasco	100	6/69 12/70
● Millstone 2 (Waterford, Conn.)	870	PWR	C-E	GE	Bechtel	Bechtel	100	4/74 12/75
● Millstone 3 (Waterford, Conn.)	1150	PWR	W	GE	S&W	S&W	100	3/78 4/86
<b>Pennsylvania Power &amp; Light Co.</b>								
● Susquehanna 1 (Berwick, Pa.)	1050	BWR	GE	GE	Bechtel	Bechtel	100	5/79 6/83
● Susquehanna 2 (Berwick, Pa.)	1050	BWR	GE	GE	Bechtel	Bechtel	100	5/81 2/85
<b>Philadelphia Electric Co.</b>								
● Peach Bottom 2 (Peach Bottom, Pa.)	1065	BWR	GE	GE	Bechtel	Bechtel	100	7/1 7/74
● Peach Bottom 3 (Peach Bottom, Pa.)	1065	BWR	GE	GE	Bechtel	Bechtel	100	7/3 12/74
● Limerick 1 (Pottstown, Pa.)	1055	BWR	GE	GE	Bechtel	Bechtel	100	8/78 2/86
● Limerick 2 (Pottstown, Pa.)	1055	BWR	GE	GE	Bechtel	Bechtel	54	1/80 2/90
<b>Public Service Electric &amp; Gas Co.</b>								
● Salem 1 (Salem, N.J.)	1106	PWR	W	W	Utility	UE&C	100	7/1 6/77
● Salem 2 (Salem, N.J.)	1106	PWR	W	GE	Utility	UE&C	100	7/3 10/81
● Hope Creek 1 (Salem, N.J.)	1067	BWR	GE	GE	Bechtel	Bechtel	100	3/75 /87*
<b>Rochester Gas &amp; Electric Corp.</b>								
● Robert E. Ginna (Ontario, N.Y.)	490	PWR	W	W	Gilbert	Bechtel	100	11/69 3/70
<b>Vermont Yankee Nuclear Power Corp.</b>								
● Vermont Yankee (Vernon, Vt.)	514	BWR	GE	GE	Ebasco	Ebasco	100	10/70 11/72
<b>Yankee Atomic Electric Co.</b>								
● Yankee (Rowe, Mass.)	175	PWR	W	W	S&W	S&W	100	1/61 6/61

CONTINUED

**NOTE:** Removed from the list is Three Mile Island 2, which has been out of service since the March 1979 accident. Also removed from the list is Seabrook 2, which was canceled in November 1986.

\* The Shoreham plant is completed, but commercial operation cannot occur until there is an NRC-approved emergency plan.

\* The Hope Creek plant is fully operational, but has not been declared commercial by the New Jersey Board of Public Utilities.

# World List of Nuclear Power Plants, cont'd

UNITED STATES, cont'd

## MIDWEST

### The Cleveland Electric Illuminating Co.

Perry 1 (North Perry, Ohio) 1205 BWR GE GE Gilbert Utility 100 7/79 6/87  
 Perry 2 (North Perry, Ohio) 1205 BWR GE GE Gilbert Utility 57 7/80 indef.

### Commonwealth Edison Company

● Dresden 2 (Morris, Ill.) 794 BWR GE GE S&L UE&C 100 2/69 8/70  
 ● Dresden 3 (Morris, Ill.) 794 BWR GE GE S&L UE&C 100 2/70 10/71  
 ● LaSalle County 1 (Seneca, Ill.) 1078 BWR GE GE S&L Utility 100 2/76 10/82  
 ● LaSalle County 2 (Seneca, Ill.) 1078 BWR GE GE S&L Utility 100 2/77 6/84  
 ● Zion 1 (Zion, Ill.) 1040 PWR W W S&L Utility 100 4/72 12/73  
 ● Zion 2 (Zion, Ill.) 1040 PWR W W S&L Utility 100 5/73 9/74  
 ● Byron 1 (Byron, Ill.) 1120 PWR W W S&L Utility 100 5/79 9/85  
 ● Byron 2 (Byron, Ill.) 1120 PWR W W S&L Utility 100 3/80 5/87  
 ● Braidwood 1 (Braidwood, Ill.) 1120 PWR W W S&L Utility 100 10/79 5/87  
 ● Braidwood 2 (Braidwood, Ill.) 1120 PWR W W S&L Utility 80 10/80 9/88  
 ● Carroll County 1 (Savanna, Ill.) 1120 PWR W W S&L 0 10/87 indef.  
 ● Carroll County 2 (Savanna, Ill.) 1120 PWR W W S&L 0 10/88 indef.

### Commonwealth Edison Co. and Iowa-Illinois Gas & Electric Co

● Quad-Cities 1 (Cordova, Ill.) 789 BWR GE GE S&L UE&C 100 3/70 8/72  
 ● Quad-Cities 2 (Cordova, Ill.) 789 BWR GE GE S&L UE&C 100 3/71 10/72

### Consumers Power Co.

● Big Rock Point (Charlevoix, Mich.) 69 BWR GE GE Bechtel Bechtel 100 12/62 12/62  
 ● Palisades (South Haven, Mich.) 777 PWR C-E W Bechtel Bechtel 100 7/70 12/71

### Dairyland Power Cooperative

● La Crosse BWR (Genoa, Wis.) 50 BWR Allis Allis S&L Maxon 100 10/66 11/69

### Detroit Edison Co.

Ferri 2 (Newport, Mich.) 1100 BWR GE GEC Utility Daniel 100 2/74 5/87

### Illinois Power Co.

Clinton 1 (Clinton, Ill.) 985 BWR GE GE S&L Baldwin 100 6/80 /87

### Indiana & Michigan Electric Co.

● Donald C. Cook 1 (Bridgman, Mich.) 1020 PWR W GE AEPSC AEPSC 100 4/72 8/75  
 ● Donald C. Cook 2 (Bridgman, Mich.) 1060 PWR W BBC AEPSC AEPSC 100 4/73 7/78

### Iowa Electric Light & Power Co.

● Duane Arnold (Palo, Iowa) 538 BWR GE GE Bechtel Bechtel 100 12/73 2/75

### Kansas Gas & Electric Co.,

#### Kansas City Power & Light Co. and

#### Kansas Electric Power

#### Cooperative, Inc.

● Wolf Creek (Burlington, Kans.) 1150 PWR W GE Bech/S&L Daniel 100 4/81 9/85

### Nebraska Public Power District

● Cooper (Brownville, Neb.) 778 BWR GE W B&R B&R 100 4/71 7/74

### Northern States Power Co.

● Monticello (Monticello, Minn.) 536 BWR GE GE Bechtel Bechtel 100 5/70 7/71  
 ● Prairie Island 1 (Red Wing, Minn.) 520 PWR W W FEI Utility 100 5/72 12/73  
 ● Prairie Island 2 (Red Wing, Minn.) 520 PWR W W FEI Utility 100 5/74 12/74

### Omaha Public Power District

● Fort Calhoun 1 (Fort Calhoun, Neb.) 486 PWR C-E GE G&H G&H 100 6/71 9/73

### Toledo Edison Co.

● Davis-Besse 1 (Oak Harbor, Ohio) 866 PWR B&W GE Bechtel Bechtel 100 12/74 11/77

### Union Electric Co.

● Callaway 1 (Fulton, Mo.) 1150 PWR W GE Bechtel Daniel 100 10/81 4/85

### Wisconsin Electric Power Co.

● Point Beach 1 (Two Creeks, Wis.) 485 PWR W W Bechtel Bechtel 100 4/70 12/70  
 ● Point Beach 2 (Two Creeks, Wis.) 485 PWR W W Bechtel Bechtel 100 4/71 10/72

### Wisconsin Public Service Corporation

● Kewaunee (Carlton, Wis.) 535 PWR W W FEI FEI 100 6/72 6/74

## SOUTH

### Alabama Power Company

● Joseph M. Farley 1 (Dothan, Ala.) 829 PWR W W SCS/Bechtel Daniel 100 4/75 12/77  
 ● Joseph M. Farley 2 (Dothan, Ala.) 829 PWR W W SCS/Bechtel Daniel 100 4/76 7/81

### Arkansas Power & Light Co.

● Nuclear One 1 (Russellville, Ark.) 836 PWR B&W W Bechtel Bechtel 100 7/72 12/74

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struc- tion stage (%)	Commercial orig. sched- uled	actual or ex- pected
<b>U.S.—SOUTH, cont d</b>									
● Nuclear One 2 (Russellville, Ark.)	858	PWR	C-E	GE	Bechtel	Bechtel	100	12/75	3/80
<b>Carolina Power &amp; Light Co.</b>									
● Robinson 2 (Hartsville, S.C.)	665	PWR	W	W	Ebasco	Ebasco	100	5/70	3/71
● Brunswick 1 (Southport, N.C.)	790	BWR	GE	GE	UE&C	Brown	100	3/75	3/77
● Brunswick 2 (Southport, N.C.)	790	BWR	GE	GE	UE&C	Brown	100	3/74	11/75
● Shearon Harris (New Hill, N.C.)	900	PWR	W	W	Ebasco	Daniel	97	3/77	3/87
<b>Duke Power Co.</b>									
● Oconee 1 (Seneca, S.C.)	860	PWR	B&W	GE	Utility/Bech	Utility	100	5/71	7/73
● Oconee 2 (Seneca, S.C.)	860	PWR	B&W	GE	Utility/Bech	Utility	100	5/72	9/74
● Oconee 3 (Seneca, S.C.)	860	PWR	B&W	GE	Utility/Bech	Utility	100	6/73	12/74
● McGuire 1 (Cornelius, N.C.)	1180	PWR	W	W	Utility	Utility	100	3/76	12/81
● McGuire 2 (Cornelius, N.C.)	1180	PWR	W	W	Utility	Utility	100	3/77	3/84
● Catawba 1 (Clover, S.C.)	1145	PWR	W	GE	Utility	Utility	100	3/79	6/85
● Catawba 2 (Clover, S.C.)	1145	PWR	W	GE	Utility	Utility	100	3/80	8/86
<b>Florida Power &amp; Light Co.</b>									
● Turkey Point 3 (Florida City, Fla.)	666	PWR	W	W	Bechtel	Bechtel	100	8/70	12/72
● Turkey Point 4 (Florida City, Fla.)	666	PWR	W	W	Bechtel	Bechtel	100	8/71	9/73
● St. Lucie 1 (Hutchinson Island, Fla.)	827	PWR	C-E	W	Ebasco	Ebasco	100	1/73	12/76
● St. Lucie 2 (Hutchinson Island, Fla.)	837	PWR	C-E	W	Ebasco	Ebasco	100	9/79	8/83
<b>Florida Power Corporation</b>									
● Crystal River 3 (Red Level, Fla.)	825	PWR	B&W	W	Gilbert	Jones	100	9/72	3/77
<b>Georgia Power Co.</b>									
● Edwin I. Hatch 1 (Baxley, Ga.)	810	BWR	GE	GE	SS/Bechtel	Utility	100	4/73	12/75
● Edwin I. Hatch 2 (Baxley, Ga.)	820	BWR	GE	GE	Bechtel	Utility	100	4/76	8/79
● Vogtle 1 (Waynesboro, Ga.)	1100	PWR	W	GE	SS/Bechtel	Utility	99	2/78	6/87
● Vogtle 2 (Waynesboro, Ga.)	1100	PWR	W	GE	SS/Bechtel	Utility	65	2/79	9/88
<b>Gulf States Utilities Co.</b>									
● River Bend 1 (St. Francisville, La.)	940	BWR	GE	GE	S&W	S&W	100	10/79	6/86
<b>Louisiana Power &amp; Light Co.</b>									
● Waterford 3 (Taft, La.)	1104	PWR	C-E	W	Ebasco	Ebasco	100	1/77	9/85
<b>South Carolina Electric &amp; Gas Co.</b>									
● Virgil C. Summer 1 (Parr, S.C.)	900	PWR	W	GE	Gilbert	Daniel	100	10/77	1/84
<b>System Energy Resources, Inc.</b>									
<i>(subsidiary of Middle South Utilities)</i>									
● Grand Gulf 1 (Port Gibson, Miss.)	1250	BWR	GE	Allis	Bechtel	Bechtel	100	9/79	7/85
● Grand Gulf 2 (Port Gibson, Miss.)	1250	BWR	GE	Allis	Bechtel	Bechtel	33	9/81	indef.
<b>Tennessee Valley Authority</b>									
● Browns Ferry 1 (Decatur, Ala.)	1067	BWR	GE	GE	Utility	Utility	100	10/70	8/74
● Browns Ferry 2 (Decatur, Ala.)	1067	BWR	GE	GE	Utility	Utility	100	10/71	3/75
● Browns Ferry 3 (Decatur, Ala.)	1067	BWR	GE	GE	Utility	Utility	100	10/72	3/77
● Sequoyah 1 (Daisy, Tenn.)	1148	PWR	W	W	Utility	Utility	100	10/73	7/81
● Sequoyah 2 (Daisy, Tenn.)	1148	PWR	W	W	Utility	Utility	100	4/74	6/82
● Watts Bar 1 (Spring City, Tenn.)	1177	PWR	W	W	Utility	Utility	100	10/76	indef.
● Watts Bar 2 (Spring City, Tenn.)	1177	PWR	W	W	Utility	Utility	88	4/77	indef.
● Bellefonte 1 (Scottsboro, Ala.)	1213	PWR	B&W	BBC	Utility	Utility	87	7/77	/94
● Bellefonte 2 (Scottsboro, Ala.)	1213	PWR	B&W	BBC	Utility	Utility	57	4/78	/96
<b>Virginia Power Co.</b>									
● Surry 1 (Gravel Neck, Va.)	781	PWR	W	W	S&W	S&W	100	3/71	12/72
● Surry 2 (Gravel Neck, Va.)	781	PWR	W	W	S&W	S&W	100	3/72	5/73
● North Anna 1 (Mineral, Va.)	893	PWR	W	W	S&W	S&W	100	3/74	6/78
● North Anna 2 (Mineral, Va.)	893	PWR	W	W	S&W	S&W	100	7/75	12/80
<b>SOUTHWEST</b>									
<b>Arizona Public Service Co.</b>									
● Palo Verde 1 (Wintersburg, Ariz.)	1270	PWR	C-E	GE	Bechtel	Bechtel	100	5/81	2/86
● Palo Verde 2 (Wintersburg, Ariz.)	1270	PWR	C-E	GE	Bechtel	Bechtel	100	11/82	9/86
● Palo Verde 3 (Wintersburg, Ariz.)	1270	PWR	C-E	GE	Bechtel	Bechtel	99.8	5/84	9/87
<b>Houston Lighting &amp; Power Company</b>									
● South Texas Project 1 (Palacios, Tex.)	1250	PWR	W	W	Bechtel	Ebasco	96	10/80	12/87
● South Texas Project 2 (Palacios, Tex.)	1250	PWR	W	W	Bechtel	Ebasco	70	3/82	12/89
<b>Texas Utilities Generating Company</b>									
● Comanche Peak 1 (Glen Rose, Tex.)	1150	PWR	W	Allis	G&H	Brown	99	1/80	3/89
● Comanche Peak 2 (Glen Rose, Tex.)	1150	PWR	W	Allis	G&H	Brown	83	1/82	9/89
<b>WEST AND NORTHWEST</b>									
<b>Pacific Gas &amp; Electric Co.</b>									
● Diablo Canyon 1 (Avila Beach, Calif.)	1084	PWR	W	W	Utility	Utility	100	5/72	5/85

## World List of Nuclear Power Plants, cont'd

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Construction stage (%)	Commercial Operation orig. scheduled	actual or expected
• Diablo Canyon 2 (Avia Beach, Calif.) Portland General Electric Co.	1106	PWR	W	W	Utility	Utility	100	7/74	3/86
• Trojan (Prescott, Ore.) Public Service Company of Colorado	1130	PWR	W	GE	Bechtel	Indep	100	9/74	5/76
• Fort St. Vrain (Platteville, Colo.) Sacramento Municipal Utility District	330	HTGR	GA	GE	S&L	GA	100	4/72	1/79
• Rancho Seco (Clay Station, Calif.) Southern California Edison and San Diego Gas & Electric Co.	913	PWR	B&W	W	Bechtel	Bechtel	100	5/73	4/75
• San Onofre 1 (San Clemente, Calif.)	436	PWR	W	W	Bechtel	Bechtel	100		1/68
• San Onofre 2 (San Clemente, Calif.)	1100	PWR	C-E	GEC	Bechtel	Bechtel	100	6/75	8/83
• San Onofre 3 (San Clemente, Calif.)	1100	PWR	C-E	GEC	Bechtel	Bechtel	100	6/75	4/84
United States Department of Energy*									
• Hanford-N (Richland, Wash.)	860	LGR	GE	GE	B&R	B&R	100		7/66
Washington Public Power Supply System									
WNP-1 (Richland, Wash.)	1250	PWR	B&W	W	UE&C	Bechtel	62.5	9/80	indef.
• WNP-2 (Richland, Wash.)	1100	BWR	GE	W	B&R	Bechtel	100	9/77	12/84
WNP-3 (Satsop, Wash.)	1240	PWR	C-E	W	Ebasco	Ebasco	75	3/82	indef.
<b>U.S. Total (127 units)</b>	<b>116 988</b>								

## USSR

### Ministry of Medium Machine Building

• Troitsk A	100	LGR					100		9/58
• Troitsk B	100	LGR					100		12/59
• Troitsk C	100	LGR					100		12/60
• Troitsk D	100	LGR					100		12/61

### Ministry of Medium Machine Building, cont'd

• Troitsk E	100	LGR					100		12/62
• Troitsk F	100	LGR					100		12/63

### Ministry of Nuclear Power

• Beloyarskiy 1 (Zarechnyy)	100	LGR					100		4/64
• Beloyarskiy 2 (Zarechnyy)	175	LGR					100		12/67
• Beloyarskiy 3 (BN-600) (Zarechnyy)	550	LMFBR					100	12/72	10/80
• Novovoronezhskiy 1 (Novovoronezhskiy)	265	PWR					100		12/64
• Novovoronezhskiy 2 (Novovoronezhskiy)	338	PWR					100		4/70
• Novovoronezhskiy 3 (Novovoronezhskiy)	410	PWR					100		6/72
• Novovoronezhskiy 4 (Novovoronezhskiy)	410	PWR					100		4/73
• Novovoronezhskiy 5 (Novovoronezhskiy)	950	PWR					100		7/81
• Kola 1 (Polyarnyye Zori)	440	PWR					100		12/73
• Kola 2 (Polyarnyye Zori)	440	PWR					100	7/74	12/74
• Kola 3 (Polyarnyye Zori)	440	PWR					100	/80	12/82
• Kola 4 (Polyarnyye Zori)	440	PWR					100	/80	11/84
• Armenia 1 (Metsamor)	400	PWR					100	/75	10/77
• Armenia 2 (Metsamor)	400	PWR					100	/75	5/80
• Leningrad 1 (Sosnovyy Bor)	1000	LGR					100	/73	12/74
• Leningrad 2 (Sosnovyy Bor)	1000	LGR					100	/75	9/75
• Leningrad 3 (Sosnovyy Bor)	1000	LGR					100		6/80
• Leningrad 4 (Sosnovyy Bor)	1000	LGR					100		10/81
• Kursk 1 (Kurchatov)	950	LGR					100	12/76	12/76
• Kursk 2 (Kurchatov)	950	LGR					100	7/77	6/79
• Kursk 3 (Kurchatov)	950	LGR					100		12/83
• Kursk 4 (Kurchatov)	950	LGR					100		12/85
• Rovno 1 (Kuznetsovsk)	440	PWR					100		6/82
• Rovno 2 (Kuznetsovsk)	440	PWR					100	/80	12/82
• Rovno 3 (Kuznetsovsk)	950	PWR					100		12/86
• Rovno 4 (Kuznetsovsk)	950	PWR					100		/90
• South Ukraine 1 (Konstantinovka)	950	PWR					100	/80	6/84
• South Ukraine 2 (Konstantinovka)	950	PWR					100		12/84
• South Ukraine 3 (Konstantinovka)	950	PWR					100		/87
• South Ukraine 4 (Konstantinovka)	950	PWR					100		/89
• Smolensk 1 (Desnogorsk)	950	LGR					100	/77	7/83
• Smolensk 2 (Desnogorsk)	950	LGR					100	/78	5/85
• Smolensk 3 (Desnogorsk)	950	LGR					100		/87
• Smolensk 4 (Desnogorsk)	950	LGR					100		/90

CONTINUED

\*Power is extracted by WPPSS through the Hanford Generating Project; the reactor is owned by the DOE.

	Net MWe	Type	Reactor Supplier	Generator Supplier	Architect Engineer	Constructor	Con- struc- tion stage (%)	Commercial Operation orig. sched- ule†	or ex- pected
USSR, cont'd									
● Chernobyl 1 (Pripyat)	950	LGR					100	/77	5/78
● Chernobyl 2 (Pripyat)	950	LGR					100	/79	5/79
● Chernobyl 3 (Pripyat)	950	LGR					100		6/82
● Chernobyl 5 (Pripyat)	950	LGR							/88
● Chernobyl 6 (Pripyat)	950	LGR							/89
● Kalinin 1 (Udomlya)	950	PWR					100	/78	12/84
● Kalinin 2 (Udomlya)	950	PWR					100	/80	12/86
● Zaporozhye 1 (Energodar)	950	PWR					100	/85	11/84
● Zaporozhye 2 (Energodar)	950	PWR							6/85
● Zaporozhye 3 (Energodar)	950	PWR					99		/87
● Zaporozhye 4 (Energodar)	950	PWR							/89
● Ignalina 1 (Snieckus)	1450	LGR					100		12/84
● Ignalina 2 (Snieckus)	1450	LGR							/87
● Khmel'nitskiy 1 (Neteshin)	950	PWR					100		/87
● Khmel'nitskiy 2 (Neteshin)	950	PWR							/87
● Khmel'nitskiy 3 (Neteshin)	950	PWR							/89
● Odessa 1 (Teplodar)	900	PWR						12/85	/87
● Odessa 2 (Teplodar)	900	PWR							/90
● Balakovo 1 (Balakovo)	950	PWR						12/84	6/86
● Balakovo 2 (Balakovo)	950	PWR						12/86	/89
● Crimea 1 (Shchelkino)	950	PWR						12/85	/87
● Crimea 2 (Shchelkino)	950	PWR						12/87	12/87
● Nizhnekamsk 1	950	PWR							/89
● Kostroma 1 (Buy)	1450	LGR						12/86	/88
● Kostroma 2 (Buy)	1450	LGR							/89
● Bashkir 1 (Agidel)	950	PWR							/88
● Bashkir 2 (Agidel)	950	PWR							/89
● Rostov 1 (Volgodonsk)	950	PWR							/87
● Rostov 2 (Volgodonsk)	950	PWR							/88
● Rostov 3 (Volgodonsk)	950	PWR							/89
● Tatar (Kama)	950	PWR							/88
<b>Scientific Research Institute for Atomic Reactors</b>									
● VK-50 (Dimitrovgrad)	50	BWR					100		1/66
<b>State Committee on Atomic Energy</b>									
● BN-350* (Shevchenko)	350	LMFBR					100		7/73
<b>Yugoslavia</b>									
<b>Savska Elektrarne Ljubljana (Slovenia) and Elektroprivreda Zagreb (Croatia)</b>									
● Krsko (Krsko)	632	PWR	W	W	Gilbert	W/local	100	12/78	11/82
<b>Non-U.S. Total (426 units)</b>	<b>311 475</b>								
<b>WORLD TOTAL (553 units)</b>	<b>428 464</b>								

● Units in commercial operation

† Estimated date, announced at time reactor was ordered

\* The BN-350 is a dual-purpose facility; 200 MWe is used to desalinate water, and 150 MWe is used for electricity.