

Generation by Nation 2008

Nation	No. of Units	2008			No. of Units	2007			2006-2008 Average	
		Gross MW	MWH Produced	Capacity Factor		Gross MW	MWH Produced	Capacity Factor	MWH Produced	Capacity Factor
Argentina	2	1,005	7,380,388	83.71	2	1,005	7,217,228	84.32	7,429,508	83.93
Armenia	1	408	2,461,662	68.68	1	408	2,553,416	71.43	2,551,779	71.33
Belgium	7	6,101	45,757,177	85.14	7	6,101	48,227,373	90.06	46,868,221	87.61
Brazil	2	2,007	14,003,775	74.67	2	2,007	12,365,399	64.35	13,379,528	70.80
Britain*	19	12,540	39,370,000	48.71	19	12,540	58,594,000	53.34		
Bulgaria	2	2,000	15,765,105	89.73	2	2,000	14,242,542	81.28	16,500,289	83.72
Canada	21	15,367	94,055,812	66.73	21	15,367	94,007,530	66.74	95,486,736	68.12
China*	9	9,014	42,562,618	89.84	9	9,014	62,862,000	79.61		
Czech Republic	6	3,834	26,502,309	83.19	6	3,760	26,123,793	83.38	26,176,523	83.27
Finland	4	2,800	22,958,414	92.62	4	2,800	23,423,221	95.46	23,096,025	93.73
France	58	65,880	438,641,923	76.09	58	65,880	439,102,649	75.98	442,645,217	76.45
Germany	17	21,497	148,662,835	76.69	17	21,457	140,533,026	73.42	152,184,012	79.76
Hungary	4	1,940	14,823,468	86.89	4	1,910	14,676,914	87.64	14,320,423	85.64
India	17	4,120	15,532,006	42.70	17	4,120	17,807,226	48.75	16,982,411	49.34
Japan	55	49,580	251,744,159	59.16	55	49,580	278,708,640	63.87	277,883,386	64.25
Lithuania	1	1,300	9,948,100	87.11	1	1,300	9,832,800	86.33	9,476,733	83.13
Mexico	2	1,364	9,803,976	81.77	2	1,364	10,420,725	87.15	10,363,647	86.60
Netherlands	1	515	4,157,629	91.91	1	515	4,223,322	93.61	3,950,132	89.13
Pakistan	2	462	1,882,858	42.91	2	462	2,521,032	54.23	2,384,500	48.63
Romania	2	1,412	11,225,808	90.51	2	1,412	6,967,162	80.81	7,941,493	87.46
Russia	31	23,266	162,289,470	73.09	31	23,266	158,281,670	70.69	158,371,923	71.21
Slovakia	5	2,200	16,703,716	86.45	5	2,200	15,334,883	79.57	16,683,533	81.65
Slovenia	1	727	6,272,000	98.22	1	727	5,695,020	89.42	5,838,426	92.41
South Africa	2	1,930	13,307,504	78.49	2	1,930	13,189,078	78.00	12,359,251	73.02
South Korea	20	18,393	150,957,937	93.29	20	18,393	142,943,153	87.93	147,549,992	91.24
Spain	8	7,735	58,997,662	87.76	8	7,735	55,039,426	81.88	58,036,309	86.10
Sweden	10	9,611	63,908,316	78.17	10	9,356	66,921,607	80.42	66,191,896	80.04
Switzerland	5	3,352	27,537,746	93.76	5	3,352	27,699,164	93.68	27,628,692	93.79
Taiwan	6	5,144	40,826,862	88.98	6	5,144	40,554,419	90.29	40,417,255	89.39
Ukraine	15	13,880	89,841,302	73.25	15	13,880	92,543,100	75.26	90,874,467	74.07
US*	104	106,977	842,360,801	89.91	104	106,476	843,005,799	91.01	836,188,252	90.26
TOTAL:	439	396,361	2,690,243,338		439	395,461	2,735,617,317			
AVERAGE/UNIT:		903	6,533,913	79.36		901	6,873,410	78.71		

Note: Data incomplete for Britain (only Jan-Sep 2008 total available for British Energy portion) and China; six units' gross estimated for US

Top 50 Units by Capacity Factor 2008

Nation	Plant	Utility	Type	Vendor	Gross MW	2008		Average 2006-2008	
						Gross Generation	Capacity	Gross Generation	Capacity
U.S.	Calvert Cliffs-2	Constellation	PWR	CE	880	7,835,619	101.37	7,522,284	97.49
U.S.	Catawba-2	Duke Power	PWR	West	1,205	10,728,440	101.36	9,598,657	90.84
Japan	Ohi-2	Kansai EPC	PWR	West	1,175	10,444,137	101.18	8,600,113	83.45
Japan	Fukushima II-1	Tokyo EPC	BWR	Tosh	1,100	9,771,906	101.12	7,965,851	82.57
South Korea	Yonggwang-1	KHNP	PWR	West	985	8,737,294	100.97	7,765,626	89.90
U.S.	Sequoyah-1	TVA	PWR	West	1,186	10,500,842	100.80	9,666,678	92.95
South Korea	Ulchin-4	KHNP	PWR	KHIC-CE	1,045	9,236,080	100.61	8,628,117	94.15
Japan	Fukushima I-3	Tokyo EPC	BWR	Tosh	784	6,924,798	100.54	5,226,361	76.00
South Korea	Ulchin-5	KHNP	PWR	KHIC-CE	1,048	9,234,124	100.30	8,669,803	94.34
U.S.	Indian Point-3	Entergy	PWR	West	1,080	9,468,174	100.03	8,926,760	95.20
Taiwan	Kuosheng-1	Taiwan Power Co.	BWR	GE	985	8,648,583	99.95	7,700,013	89.14
U.S.	Braidwood-1	Exelon	PWR	West	1,242	10,896,382	99.87	10,421,395	95.69
Spain	Almaraz-2	CNAT	PWR	West	982	8,614,991	99.81	7,851,113	91.12
U.S.	Beaver Valley-1	FirstEnergy	PWR	West	958	8,394,530	99.68	7,362,144	90.06
U.S.	LaSalle-2	Exelon	BWR	GE	1,178	10,313,636	99.67	10,108,525	97.87
China	Daya Bay-1	GNPJVC	PWR	Fram	984	8,609,848	99.61	5,081,665	58.86
Canada	Darlington-3	Ontario Power Gen.	PHWR	AECL	934	8,154,496	99.38	7,265,621	88.70
U.S.	Three Mile Island-1	Exelon	PWR	BWX	890	7,768,614	99.37	7,470,263	95.73
Russia	Balakovo-4	Rosenergoatom	PWR	MAE	1,000	8,699,650	99.04	7,771,773	88.63

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Nation	Plant	Utility	Type	Vendor	Gross MW	2008 Gross		Average 2006-2008	
						Generation	Capacity	Generation	Capacity
South Korea	Ulchin-1	KHNP	PWR	Fram	985	8,560,877	98.93	7,909,460	91.57
U.S.	Oconee-3	Duke Power	PWR	B&W	911	7,901,935	98.75	7,218,429	90.36
Taiwan	Maanshan-1	Taiwan Power Co.	PWR	West	951	8,253,002	98.70	7,602,630	91.09
U.S.	Quad Cities-1	Exelon	BWR	GE	912	7,893,023	98.53	5,064,795	63.31
Canada	Darlington-2	Ontario Power Gen.	PHWR	AECL	934	8,079,104	98.46	7,643,264	93.32
U.S.	Shearon-Harris	Progress Energy	PWR	West	960	8,301,637	98.45	7,893,716	93.78
Germany	Isar-1	KKI	BWR	KWU	912	7,884,456	98.42	7,337,518	91.75
U.S.	Diablo Canyon-1	Pacific G&E	PWR	West	1,197	10,343,923	98.38	10,013,076	95.40
U.S.	Limerick-2	Exelon	BWR	GE	1,163	10,043,110	98.31	9,936,477	97.44
U.S.	North Anna-1	Dominion VA Power	PWR	West	976	8,427,710	98.30	7,854,981	91.78
U.S.	Dresden-2	Exelon	BWR	GE	909	7,845,352	98.26	7,603,373	95.40
Spain	Garona	Nuclenor	BWR	GE	466	4,020,958	98.23	3,781,857	92.55
Slovenia	Krsko	SEL/EZ	PWR	West	727	6,272,000	98.22	5,838,426	92.41
U.S.	Duane Arnold	FPL Energy	BWR	GE	647	5,578,571	98.14	5,245,160	93.42
Canada	Darlington-4	Ontario Power Gen.	PHWR	AECL	934	8,028,800	97.85	7,532,629	91.97
U.S.	Surry-1	Dominion VA Power	PWR	West	847	7,253,555	97.44	6,803,308	91.55
U.S.	Nine Mile Point-1	Constellation	BWR	GE	640	5,476,785	97.42	3,449,639	61.44
South Korea	Kori-4	KHNP	PWR	West	1,006	8,602,688	97.34	8,060,707	91.37
U.S.	Farley-1	Southern NOC	PWR	West	895	7,649,954	97.31	7,091,162	90.36
U.S.	Peach Bottom-3	Exelon et al.	BWR	GE	1,182	10,099,600	97.27	9,858,833	95.13
Mexico	Laguna Verde-2	CFE	BWR	GE	682	5,826,718	97.19	5,421,679	90.59
Japan	Hamaoka-4	Chubu EPC	BWR	Tosh	1,137	9,696,012	97.07	8,186,859	82.10
U.S.	Palisades	Entergy	PWR	CE	845	7,192,847	96.91	4,433,846	59.81
Finland	Olkiluoto-2	Teollisuuden V.Oy	BWR	Asea	890	7,575,760	96.90	7,477,134	95.82
Romania	Cernavoda-2	Nuclearelectrica SA	PHWR	AECL	706	5,997,832	96.72	2,319,939	53.74
U.S.	St. Lucie-2	Florida P&L	PWR	CE	882	7,472,330	96.45	6,541,353	84.58
U.S.	Turkey Point-3	Florida P&L	PWR	West	760	6,435,284	96.40	5,900,113	88.53
U.S.	Hope Creek	PSEG Nuclear	BWR	GE	1,299	10,406,890	96.39	6,296,097	60.69
U.S.	Hatch-2	Southern NOC	BWR	GE	924	7,810,154	96.23	7,608,643	93.91
India	Tarapur-2	NPC	BWR	GE	160	1,351,000	96.12	1,257,000	89.59
Germany	Biblis B	RWE	PWR	KWU	1,300	10,975,041	96.11	6,905,652	60.55

Note: PPL Susquehanna's Susquehanna-2 is believed to have capacity factors high enough to rank on this table, but declined to supply total gross MWh.

Top 50 Units by Generation 2008

Nation	Plant	Utility	Type	Vendor	Gross MW	2008 Gross		Average 2006-2008	
						Generation	Capacity	Generation	Capacity
France	Chooz-B1	EDF	PWR	Fram	1,560	12,839,417	93.70	11,295,204	82.57
Germany	Isar-2	KKI	PWR	KWU	1,475	12,093,046	93.34	12,170,022	94.10
Germany	Brokdorf	KBR	PWR	KWU	1,480	12,042,399	92.63	11,946,551	93.76
France	Civaux-2	EDF	PWR	Fram	1,561	11,825,203	86.24	11,299,628	82.55
Germany	Emsland	KLE	PWR	KWU	1,400	11,490,541	93.44	11,616,254	94.63
France	Chooz-B2	EDF	PWR	Fram	1,560	11,445,894	83.53	10,912,541	79.78
Germany	Neckar-2	GKN	PWR	KWU	1,400	11,431,720	92.96	11,388,733	92.89
Germany	Philippsburg-2	KKP	PWR	KWU	1,458	11,359,676	88.70	11,561,589	90.44
U.S.	South Texas-1	STP NOC	PWR	West	1,413	11,322,224	91.22	11,440,521	93.75
U.S.	Palo Verde-3	Arizona NPP	PWR	CE	1,436	11,298,490	89.57	9,551,476	78.13
U.S.	South Texas-2	STP NOC	PWR	West	1,413	11,257,764	90.70	11,289,829	93.36
Germany	Grohnde	KWG	PWR	KWU	1,430	11,169,846	88.92	11,424,813	91.12
France	Penly-1	EDF	PWR	Fram	1,382	11,165,719	91.98	10,238,943	84.49
U.S.	Perry	FirstEnergy	BWR	GE	1,324	11,111,044	95.54	10,146,543	87.95
Germany	Biblis B	RWE	PWR	KWU	1,300	10,975,041	96.11	6,905,652	60.55
U.S.	Braidwood-1	Exelon	PWR	West	1,242	10,896,382	99.87	10,421,395	95.69
U.S.	Catawba-2	Duke Power	PWR	West	1,205	10,728,440	101.36	9,598,657	90.84