

APPENDIX Q

Nuclear Power Units by Nation

Country	Nuclear Power Production GWh*	<u>In Operation</u>		<u>Under Construction or on Order</u>		
		Number of Units	Gross MW Electrical Capacity	Number of Units	Gross MW Electrical Capacity	Shutdown
Argentina	7,677	3	1,700	1	29	0
Armenia	2,195	1	408	0	0	1 ^P
Belarus	0	0	0	2	2,218	0
Belgium	41,283	7	6,207	0	0	1 ^P
Brazil	15,864	2	1,990	1	1,350	0
Bulgaria	15,775	2	2,000	0	0	4 ^P
Canada	97,445	19	14,512	0	0	6 ^P
China	210,519	37	34,744	20	23,360	0
Czech Republic	22,730	6	4,160	0	0	0
Finland	22,282	4	2,872	1	1,720	0
France	384,000	58	63,130	1	1,650	12 ^P
Germany	80,070	8	11,357	0	0	28 ^P
Hungary	15,179	4	2,000	0	0	0
India	35,000	22	6,780	5	3,300	0
Iran	5,924	1	1,000	0	0	0
Italy	0	0	0	0	0	4 ^P
Japan	17,453	42	41,482	2	2,756	17 ^P & 1 ^L
Kazakhstan	0	0	0	0	0	1 ^P
Korea, Republic of	154,253	25	24,181	3	4,200	0
Lithuania	0	0	0	0	0	2 ^P
Mexico	10,272	2	1,615	0	0	0
Netherlands	3,752	1	515	0	0	1 ^P
Pakistan	5,094	4	1,090	3	2,540	0
Romania	10,368	2	1,411	0	0	0
Russia	179,724	35	27,909	7	5,937	6 ^P
Slovakia	13,733	4	1,950	2	992	3 ^P
Slovenia	5,931	1	727	0	0	0
South Africa	15,209	2	1,940	0	0	0
Spain	56,078	7	7,416	0	0	2 ^P & 1 ^L
Sweden	60,647	10	10,147	0	0	3 ^P
Switzerland	20,303	5	3,485	0	0	1 ^P

APPENDIX Q

Nuclear Power Units by Nation (continued)

Country	Nuclear Power Production GWh*	<u>In Operation</u>		<u>Under Construction or on Order</u>		
		Number of Units	Gross MW Electrical Capacity	Number of Units	Gross MW Electrical Capacity	Shutdown
Ukraine	80,950	15	13,835	2	2,178	4 ^P
United Arab Emirates	0	0	0	4	5,600	0
United Kingdom	65,149	15	10,362	0	0	30 ^P
United States	805,327	99	105,403	4	5,000	34 ^P

Overview of Worldwide Nuclear Power Reactors—As of May 10, 2017

Nuclear Electricity Supplied (GWh)	2,476,217
Net Installed Capacity (MWe)	392,116
Nuclear Power Reactors in Operation	449
Nuclear Power Reactors in Long-Term Shutdown	2
Nuclear Power Reactors in Permanent Shutdown	160
Nuclear Power Reactors under Construction	60

* Annual electrical power production for 2016.

P = Permanent Shutdown

L = Long-Term Shutdown

Notes: Totals include reactors that are operable, under construction, or on order; the country's short-form name is used; and the figures are rounded to the nearest whole number.

Sources: IAEA Power Reactor Information System Database; analysis compiled by the NRC. For more information go to www.iaea.org/pris/. Data are current as of May 2017; the next printed update will be in August 2018.

APPENDIX R

Nuclear Power Units by Reactor Type, Worldwide

Reactor Type	<u>In Operation</u>	
	Number of Units	Net MWe
Pressurized light-water reactors (PWR)	290	273,856
Boiling light-water reactors (BWR)	78	75,323
Heavy-water reactors, all types (HWR, PHWR)	49	24,629
Light-water-cooled graphite-moderated reactor (LWGR)	15	10,219
Gas-cooled reactors, all types (GCR)	14	7,720
Liquid-metal-cooled fast breeder reactors (FBR)	3	1,369
Total	449	379,261

Note: MWe values rounded to the nearest whole number.

Source: IAEA Power Reactor Information System Database, www.iaea.org

Compiled by the NRC from IAEA data. Data are current as of April 2015. The next printed update will be in August 2018.