

## APPENDIX Q

### Nuclear Power Units by Nation

Country	Nuclear Power Production GWh*	In Operation		Under Construction or on Order		
		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 <sup>P</sup>
Belarus	0	0	0	2	2,218	0
Belgium	41,283	7	6,207	0	0	1 <sup>P</sup>
Brazil	15,864	2	1,990	1	1,350	0
Bulgaria	15,775	2	2,000	0	0	4 <sup>P</sup>
Canada	97,445	19	14,512	0	0	6 <sup>P</sup>
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 <sup>P</sup>
Germany	80,070	8	11,357	0	0	28 <sup>P</sup>
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 <sup>P</sup>
Japan	17,453	42	41,482	2	2,756	17 <sup>P</sup> & 1 <sup>L</sup>
Kazakhstan	0	0	0	0	0	1 <sup>P</sup>
Korea, Republic of	154,253	25	24,181	3	4,200	0
Lithuania	0	0	0	0	0	2 <sup>P</sup>
Mexico	10,272	2	1,615	0	0	0
Netherlands	3,752	1	515	0	0	1 <sup>P</sup>
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 <sup>P</sup>
Slovakia	13,733	4	1,950	2	992	3 <sup>P</sup>
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 <sup>P</sup> & 1 <sup>L</sup>
Sweden	60,647	10	10,147	0	0	3 <sup>P</sup>
Switzerland	20,303	5	3,485	0	0	1 <sup>P</sup>

**APPENDIX Q **  
**Nuclear Power Units by Nation (continued)**

Country	Nuclear Power Production GWh*	In Operation		Under Construction or on Order		
		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 <sup>P</sup>
United Arab Emirates	0	0	0	4	5,600	0
United Kingdom	65,149	15	10,362	0	0	30 <sup>P</sup>
United States	805,327	99	105,403	4	5,000	34 <sup>P</sup>

**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/](http://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	In Operation	
	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
<b>Total</b>	<b>449</b>	<b>379,261</b>

Note: MWe values rounded to the nearest whole number.

Source: IAEA Power Reactor Information System Database, [www.iaea.org](http://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.