APPENDIX R
Nuclear Power Units by Nation

Country	Nuclear Power Production GWh*	In Operation: Number of Units	In Operation: Gross MW Electrical Capacity	Under Construction or on Order: Number of Units	Under Construction or on Order: Gross MW Electrical Capacity	Shutdown
Argentina	6,453	3	1,755	1	29	0
Armenia	1,898	1	408	0	0	1[P]
Bangladesh	0	0	0	2	2,400	0
Belarus	0	0	0	2	2,388	0
Belgium	26,996	7	6,207	0	0	1[P]
Brazil	15,674	2	1,990	1	1,405	0
Bulgaria	16,125	2	2,000	0	0	4[P]
Canada	96,037	19	14,512	0	0	6[P]
China	286,501	46	45,923	11	12,181	0
Czech Republic	28,255	6	4,160	0	0	0
Finland	21,889	4	2,892	1	1,720	0
France	393,200	58	65,880	1	1,650	12[P]
Germany	71,866	7	10,013	0	0	29[P]
Hungary	14,857	4	2,000	0	0	0
India	35,389	22	6,780	7	5,300	0
Iran	6,300	1	1,000	0	0	0
Italy	0	0	0	0	0	4[P]
Japan	49,199	39	38,566	2	2,756	21[P]
Kazakhstan	0	0	0	0	0	1[P]
Korea, Republic of	127,075	25	24,866	4	5,600	1[P]
Lithuania	0	0	0	0	0	2[P]
Mexico	13,340	2	1,615	0	0	0
Netherlands	3,278	1	515	0	0	1[P]
Pakistan	9,290	5	1,430	2	2,200	0
Romania	10,442	2	1,411	0	0	0
Russia	191,331	36	30,290	6	4,979	8[P]
Slovakia	13,789	4	1,950	2	942	3[P]
Slovenia	5,489	1	727	0	0	0
South Africa	10,564	2	1,940	0	0	0
Spain	53,295	7	7,416	0	0	3[P]

For the most recent information, go to the Dataset Index Web page at *https://www.nrc.gov/reading-rm/doc-collections/datasets/.*

APPENDIX R
Nuclear Power Units by Nation (continued)

Country	Nuclear Power Production GWh*	In Operation: Number of Units	In Operation: Gross MW Electrical Capacity	Under Construction or on Order: Number of Units	Under Construction or on Order: Gross MW Electrical Capacity	Shutdown
Sweden	63,849	8	8,984	0	0	5[P]
Switzerland	24,496	5	3,485	0	0	1[P]
Turkey	0	0	0	1	1,200	0
Ukraine	84,398	15	13,835	2	2,178	4[P]
United Arab Emirates	0	0	0	4	5,600	0
United Kingdom	59,098	15	10,362	1	1,720	30[P]
United States	807,078	98	104,862	2	2,500	35[P]

Overview of Worldwide Nuclear Power Reactors—As of May 15, 2019

Nuclear Electricity Supplied (GWh)	2,562,758
Net Installed Capacity (MWe)	399,354
Nuclear Power Reactors in Operation	452
Nuclear Power Reactors in Long-Term Shutdown	0
Nuclear Power Reactors in Permanent Shutdown	173
Nuclear Power Reactors under Construction	54

* Annual electrical power production for 2018. P = Permanent 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.

Source: IAEA Power Reactor Information System Database; analysis compiled by the NRC. For more information, go to *https://www.iaea.org/pris/*. Data are current as of May 15, 2019. The next printed update will be in August 2020.

APPENDIX S
Nuclear Power Units by Reactor Type, Worldwide

Reactor Type	In Operation: Number of Units	In Operation: Net MWe
Pressurized light-water reactors (PWR)	300	284,897
Boiling light-water reactors (BWR)	73	71,492
Heavy-water reactors, all types (HWR, PHWR)	49	24,557
Gas-cooled reactors, all types (GCR)	14	7,725
Light-water-cooled graphite-moderated reactor (LWGR)	13	9,283
Liquid-metal-cooled fast breeder reactors (FBR)	3	1,400
Total	**452**	**399,354**

Note: Megawatts electric values are rounded to the nearest whole number.

Source: IAEA Power Reactor Information System Database, *https://www.iaea.org* Compiled by the NRC from IAEA data. Data are current as of May 15, 2019. The next printed update will be in August 2020.

For the most recent information, go to the Dataset Index Web page at *https://www.nrc.gov/reading-rm/doc-collections/datasets/.*