

World Nuclear Power Reactors & Uranium Requirements

September 2020

The World Nuclear Association's Country Profiles, linked to below, provide more detail of what is tabulated here.

COUNTRY (Click name for Country Profile)	NUCLEAR ELECTRICITY GENERATION		REACTORS OPERABLE		REACTORS UNDER CONSTRUCTION		REACTORS PLANNED		REACTORS PROPOSED		URANIUM REQUIRED
	2019		September 2020		September 2020		September 2020		September 2020		2020
	TWh	% e	No.	MWe net	No.	MWe gross	No.	MWe gross	No.	MWe gross	tonnes U
Argentina	7.9	5.9	3	1641	1	29	1	1150	2	1350	198
Armenia	2.0	27.8	1	375	0	0	0	0	1	1060	77
Bangladesh	0	0	0	0	2	2400	0	0	2	2400	0
Belarus	0	0	0	0	2	2388	0	0	2	2400	701
Belgium	41.4	47.6	7	5930	0	0	0	0	0	0	999
Brazil †	15.2	2.7	2	1884	1	1405	0	0	4	4000	325
Bulgaria	15.9	37.5	2	2006	0	0	1	1000	1	1000	331
Canada	94.9	14.9	19	13,554	0	0	0	0	2	1500	1538
China	330.1	4.9	48	46,498	12	12,451	44	49,985	168	197,310	9834
Czech Republic	28.6	35.2	6	3932	0	0	1	1200	3	3600	665
Egypt	0	0	0	0	0	0	4	4800	0	0	0
Finland	22.9	34.7	4	2794	1	1720	1	1250	0	0	765
France	382.4	70.6	56	61,370	1	1650	0	0	0	0	8936
Germany	71.9	12.4	6	8113	0	0	0	0	0	0	1264
Hungary	15.4	49.2	4	1902	0	0	2	2400	0	0	352
India	40.7	3.2	22	6255	7	5300	14	10,500	28	32,000	967
Iran	5.9	1.8	1	915	1	1057	1	1057	5	2760	157
Japan	65.7	7.5	33	31,679	2	2756	1	1385	8	11,562	2000
Jordan	0	0	0	0	0	0	0	0	1	1000	0
Kazakhstan	0	0	0	0	0	0	0	0	2	600	0
Korea RO (South)	138.8	26.2	24	23,172	4	5600	0	0	2	2800	4903
Lithuania	0	0	0	0	0	0	0	0	2	2700	0
Mexico	10.9	4.5	2	1552	0	0	0	0	3	3000	251
Netherlands	3.7	3.2	1	482	0	0	0	0	0	0	83
Pakistan	9.1	6.6	5	1318	2	2200	1	1170	0	0	196
Poland	0	0	0	0	0	0	0	0	6	6000	0
Romania	10.4	18.5	2	1300	0	0	2	1440	1	720	185
Russia †	195.5	19.7	38	28,437	4	4854	24	25,810	22	21,000	4834
Saudi Arabia	0	0	0	0	0	0	0	0	16	17,000	0
Slovakia	14.2	53.9	4	1814	2	942	0	0	1	1200	515
Slovenia	5.5	37.0	1	688	0	0	0	0	1	1000	141
South Africa	13.6	6.7	2	1860	0	0	0	0	8	9600	283
Spain	55.9	21.4	7	7121	0	0	0	0	0	0	1290
Sweden	64.4	34.0	7	7740	0	0	0	0	0	0	962
Switzerland	25.4	23.9	4	2960	0	0	0	0	0	0	390
Thailand	0	0	0	0	0	0	0	0	2	2000	0
Turkey	0	0	0	0	2	2400	2	2400	8	9500	0
Ukraine	78.1	53.9	15	13,107	2	1900	0	0	2	2,400	1893
UAE	0	0	1	1345	3	4200	0	0	0	0	966
United Kingdom	51.0	15.6	15	8923	2	3440	2	3340	2	2300	1820
USA †	809.4	19.7	95	97,154	2	2500	3	2550	18	8000	19,746
Uzbekistan	0	0	0	0	0	0	2	2400	2	2400	0
WORLD*	2657	c 10.2**	441	391,665	53	59,192	106	113,837	325	354,162	68,240
	TWh	% e	No.	MWe	No.	MWe	No.	MWe	No.	MWe	tonnes U
	NUCLEAR ELECTRICITY GENERATION		OPERABLE		UNDER CONSTRUCTION		PLANNED		PROPOSED		URANIUM REQUIRED