

Table 6 · Status of the Russian Nuclear Reactor Fleet (as of 1 July 2026)

Reactor Model/ Reactor	Net Capacity (MW)	Grid Connection	Design Lifetime (in years)	Closure Date/ License Expiration Date	Age at Closure (End of License/ Planned Closure) ^(a)
LGWR					
AM					
APS-1 Obninsk	5	27/06/1954	n/a	Closed on 29 April 2002	47.8
Beloyarsk-1	102	26/04/1964	n/a	Closed on 1 January 1983 ^(b)	18.7
Beloyarsk-2	146	29/12/1967	n/a	Closed on 1 January 1990 ^(b)	22
EGP 6					
Bilibino-1	11	12/01/1974	30	Closed in March 2018 ^(c)	44.2
Bilibino-2	11	30/12/1974	30	Closed on 1 December 2025	51
Bilibino-3	11	22/12/1975	30	Closed on 19 December 2025	50
Bilibino-4	11	27/12/1976	30	Closed on 30 December 2025	49
RBMK(d)					
Kursk-1	925	19/12/1976	30	Closed on 19 December 2021	45
Kursk-2	925	28/01/1979	30	Closed on 31 January 2024	45
Leningrad-1	925	21/12/1973	30	Closed on 22 December 2018	45
Leningrad-2	925	11/07/1975	30	Closed on 22 November 2020	45.4
Kursk-3	925	17/10/1983	30	Licensed to 31 December 2028 ⁽¹⁾	(45/50)
Kursk-4	925	02/12/1985	30	Licensed to 21 December 2030 ^(1,2)	(45/50)
Leningrad-3	925	07/12/1979	30	Licensed to 2030 ⁽³⁾	(50)
Leningrad-4	925	09/02/1981	30	Licensed to 2030 ⁽⁴⁾	(50)
Smolensk-1	925	09/12/1982	30	Licensed to December 2027 ⁽⁵⁾	(45/50)
Smolensk-2	925	31/05/1985	30	Licensed to 2030 ⁽⁶⁾	(45/50)
Smolensk-3	925	17/01/1990	30	Licensed to December 2034 ⁽⁷⁾	(45/50)
PWR					
VVER V-120					
Novovoronezh-1	197	30/09/1964	20	Closed on 16 February 1988	24
Novovoronezh-2	336	27/12/1969	20	Closed on 29 August 1990	21

Reactor Model/ Reactor	Net Capacity (MW)	Grid Connection	Design Lifetime (in years)	Closure Date/ License Expiration Date	Age at Closure (End of License/ Planned Closure) ^(a)
VVER V-440					
Novovoronezh-3	385	27/12/1971	30	Closed on 25 December 2016	45
Kola-1	411	29/06/1973	30	Licensed to 6 July 2033 ^(7,8,9)	(60)
Kola-2	411	09/12/1974	30	Licensed to 20 December 2034 ^(7,8,9)	(60)
Kola-3	411	24/03/1981	30	Licensed to 31 December 2026 ^(10,8,9)	(45)
Kola-4	411	11/10/1984	30	Licensed to 7 December 2039 ^(2,8,9)	(55)
Novovoronezh-4	385	28/12/1972	30	Licensed to 29 December 2032 ⁽⁷⁾	(50)
VVER-1000					
Balakovo-1	950	28/12/1985	30	Licensed to 12 December 2045 ⁽²⁾	(60)
Balakovo-2	950	08/10/1987	30	Licensed to 13 October 2043 ⁽⁷⁾	(56/60)
Balakovo-3	950	25/12/1988	30	Licensed to 28 December 2048 ⁽⁷⁾	(60)
Balakovo-4	950	11/04/1993	30	Licensed to 2051 ⁽¹¹⁾	(58/60)
Kalinin-1	950	09/05/1984	30	Licensed to 28 June 2044 ⁽¹²⁾	(60)
Kalinin-2	950	03/12/1986	30	Licensed to 30 November 2038 ⁽⁷⁾	(56/60)
Kalinin-3	950	16/12/2004	30	Licensed to 1 October 2034 ^(7,8)	(30/60)
Kalinin-4	950	24/11/2011	30	Licensed to 20 October 2041 ^(7,8)	(30/60)
Novovoronezh-5	950	31/05/1980	30	Licensed to 2036 ⁽¹³⁾	(56)
Rostov-1	989	30/03/2001	30	Licensed to 19 January 2031 ^(7,8)	(30/60)
Rostov-2	950	18/03/2010	30	Licensed to 23 September 2039 ^(7,8)	(29/60)
Rostov-3	950	27/12/2014	30	Licensed to 14 November 2044 ^(7,14)	(30/60)
Rostov-4	979	02/02/2018	30	Licensed to 4 December 2057 ^(7,8)	(39/60)
VVER-1200					
Leningrad 2-1	1101	09/03/2018	60	Licensed to 4 December 2057 ^(7,8)	(39/60)
Leningrad 2-2	1101	23/10/2020	60	Licensed to 17 July 2050 ^(7,8)	(30/60)
Novovoronezh-2-1	1100	05/08/2016	60	Licensed to 22 March 2046 ^(7,8)	(30/60)
Novovoronezh-2-2	1101	01/05/2019	60	Licensed to 18 February 2049 ^(7,8)	(30/60)
VVER-TOI					
Kursk 2-1	1200	31/12/2025	60	?	(60)
KLT-40S “Floating”					
Akademik Lomonosov-1	32	19/12/2019	40 ⁽¹⁵⁾	Licensed to 20 June 2029 ^(8,15)	(10/40)
Akademik Lomonosov-2	32	19/12/2019	40	Licensed to 20 June 2029 ^(8,15)	(10/40)
FBR					
BN-600	560	08/04/1980	30 ⁽¹⁶⁾	Licensed to 2040 ⁽¹⁷⁾	(60)
BN-800	820	10/12/2015	40 ⁽¹⁶⁾	Licensed to December 25, 2043 ^(7,18)	(28/60)

Sources: Various, compiled by WNISR, 2026

Notes

FBR: Fast Breeder Reactor; **LWGR:** Light-Water Gas-cooled Reactors; **PWR:** Pressurized Water Reactor.

(a) – For operating reactors, age at the end of current valid license (as of 1 July 2026)/expected further extension.

(b) – No or scarce production data available for Belyarsk-1 and -2 in IAEA-PRIS; official closure from IAEA-PRIS but does not reflect the actual production of those reactors.

(c) – Bilibino-1 was officially closed in January 2019, but according to IAEA-PRIS it was disconnected from the grid in March 2018; see IAEA-PRIS, “Operating Experience with Nuclear Power Stations in Member States – 2019 Edition”, see <https://www.iaea.org/publications/13575/operating-experience-with-nuclear-power-stations-in-member-states>.

(d) – Planned extension to 50 years for the seven RBMKs.

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