

Table 25 | Status of Japanese Nuclear Reactor Fleet (as of 1 July 2019)

Operator	Reactor	MW	Startup Year	Age Years	Shutdown		NRA Compliance <sup>b</sup>		Status
					Date <sup>a</sup> dd/mm/yy	Duration	Application dd/mm/yy	Approval dd/mm/yy	
CHUBU	Hamaoka-3 (BWR)	1056	1987	32.4	29/11/10	8.6	16/06/15		LTO
	Hamaoka-4 (BWR)	1092	1993	26.4	13/05/11	8.1	14/02/14 <sup>c</sup>		LTO
	Hamaoka-5 (BWR)	1325	2004	15.2	14/05/11	8.1			LTO
CHUGOKU	Shimane-2 (BWR)	789	1988	31.0	27/01/12	7.4	25/12/13		LTO
HEPCO	Tomari-1 (PWR)	550	1988	30.6	22/04/11	8.2	08/07/13		LTO
	Tomari-2 (PWR)	550	1990	28.8	26/08/11	7.8	08/07/13		LTO
	Tomari-3 (PWR)	866	2009	9.6	05/05/12	7.2	08/07/13		LTO
HOKURIKU	Shika-1 (BWR)	505	1993	26.5	01/03/11	8.3			LTO
	Shika-2 (BWR)	1108	2005	14.0	11/03/11	8.3	12/08/14		LTO
JAPCO	Tokai-2 (BWR)	1060	1978	41.3	21/05/11	8.1	20/05/14	18/10/18 <sup>d</sup>	LTO
	Tsuruga-2 (PWR)	1108	1986	33.0	07/05/11	8.1	05/11/15		LTO
KEPCO	Mihama-3 (PWR)	780	1976	43.4	14/05/11	8.1	17/03/15	26/10/16 <sup>e</sup>	LTO
	Ohi-3 (PWR)	1127	1991	28.1	02/09/13	(4.5)	08/07/13	01/09/17	Restarted 16/03/18
	Ohi-4 (PWR)	1127	1992	27.0	15/09/13	(4.5)	08/07/13	01/09/17	Restarted 11/05/18
	Takahama-1 (PWR)	780	1974	45.3	10/01/11	8.5	17/03/15	10/06/16 <sup>f</sup>	LTO
	Takahama-2 (PWR)	780	1975	44.4	25/11/11	7.6	17/03/15	10/06/16 <sup>f</sup>	LTO
	Takahama-3 (PWR)	830	1984	35.1	20/02/12	(3.9) <sup>e</sup>	08/07/13	09/10/15	Restarted 9/06/17 <sup>g</sup>
	Takahama-4 (PWR)	830	1984	34.7	21/07/11	(5.8)	08/07/13	09/10/15	Restarted 22/05/17
KYUSHU	Genkai-3 (PWR)	1127	1993	26.0	11/12/10	(7.3)	12/07/13	14/09/17	Restarted 23/03/18
	Genkai-4 (PWR)	1127	1996	22.6	25/12/11	(6.5)	12/07/13	14/09/17	Restarted 20/06/18
	Sendai-1 (PWR)	846	1983	35.8	10/05/11	(4.3)	08/07/13	27/05/15	Restarted 14/08/15
	Sendai-2 (PWR)	846	1985	34.2	01/09/11	(4.1)	08/07/13	27/05/15	Restarted 15/10/15
SHIKOKU	Ikata-3 (PWR)	846	1994	25.3	29/04/11	(5.3)	08/07/13	19/04/16	Restarted <sup>h</sup> 15/08/16
TEPCO	Kashiwazaki Kariwa-1 (BWR)	1067	1985	34.4	06/08/11	7.9			LTO
	Kashiwazaki Kariwa-2 (BWR)	1067	1990	29.4	19/02/07	12.4			LTO
	Kashiwazaki Kariwa-3 (BWR)	1067	1992	26.6	16/07/07	12			LTO
	Kashiwazaki Kariwa-4 (BWR)	1067	1993	25.5	16/07/07	12			LTO
	Kashiwazaki Kariwa-5 (BWR)	1067	1989	29.8	25/01/12	7.4			LTO
	Kashiwazaki Kariwa-6 (BWR)	1315	1996	23.4	26/03/12	7.3	27/9/13 <sup>i</sup>	27/12/17	LTO
	Kashiwazaki Kariwa-7 (BWR)	1315	1996	22.5	23/08/11	7.9	27/09/13	27/12/17	LTO
	Fukushima Daini-1 (BWR)	1067	1981	29.6	11/03/11				Closed <sup>j</sup>
	Fukushima Daini-2 (BWR)	1067	1983	27.7	11/03/11				Closed
	Fukushima Daini-3 (BWR)	1067	1984	26.2	11/03/11				Closed
	Fukushima Daini-4 (BWR)	1067	1986	24.2	11/03/11				Closed
TOHOKU	Higashi Dori-1 (BWR)	1067	2005	13.8	06/02/11	8.4	20/06/14		LTO
	Onagawa-2 (BWR)	796	1994	25.5	06/11/10	8.6	27/12/13		LTO
	Onagawa-3 (BWR)	796	2001	18.1	11/03/11	8.3			LTO

Total: 37 Reactors / 35.9 GWe

## Notes

- a** – The shutdown dates are from JAIF, “Current Status of Nuclear Power Plants in Japan”, Japan Atomic Industrial Forum, as of 6 June 2019, see [https://www.jaif.or.jp/cms\\_admin/wp-content/uploads/2019/06/jp-npps-operation190606\\_en.pdf](https://www.jaif.or.jp/cms_admin/wp-content/uploads/2019/06/jp-npps-operation190606_en.pdf), accessed 2 July 2019.
- b** – The application and approval dates are from NRA, “Current circumstances regarding examinations for NPP adherence to new regulations”, 15 May 2019. Gray dates refer to the first step (Permission for change in reactor-installation) or second step (Construction plan approval) of the procedure. All others indicate final agreement of the 3-step conformity review.
- c** – Application withdrawn and resubmitted on 26 January 2015.
- d** – Nuclear Regulatory Authority’s (NRA) Approval for Basic Design (Step 2). In November 2018, NRA also approved lifetime extension to 60 years; see JAIF, “NRA Allows Tokai-2 to Be Operated for Sixty Years, a First for a BWR”, 16 November 2018, see <https://www.jaif.or.jp/en/nra-allows-tokai-2-to-be-operated-for-sixty-years-a-first-for-a-bwr/>, accessed 28 April 2019.
- e** – Application for extension of operating period approved by NRA on 16 November 2016.
- f** – For both Takahama-1 and -2, the first two steps of the conformity review were achieved on 10 June 2016. The NRA also granted KEPCO approval of extension of operation for 20 years on 20 June 2016. For details, see NRA, “The NRA approved the extension of operation period of Takahama Power Station Units 1 and 2”, 21 June 2016, see <http://www.nsr.go.jp/data/000154256.pdf>, accessed 14 July 2017.
- g** – Takahama-3 had operated briefly between 29 January and 10 March 2016, before it was shut down by court order. The “Shutdown Duration” is calculated until the first restart.
- h** – On 13 December 2017, the Hiroshima High Court ruled in favor of a citizen lawsuit and issued an injunction against operation of the Ikata-3 reactor, which remained in place until September 2018.
- i** – On 16 June 2017, TEPCO re-filed its application with the Nuclear Regulatory Authority (NRA) to confirm compliance with safety requirements for Kashiwazaki Kariwa-6 and -7. The NRA had requested resubmission in February 2017.
- j** – All 4 Fukushima Daini reactors are considered as closed by WNISR since March 2011. It is only in June 2018 that TEPCO announced that they would consider decommissioning the four reactors, and in July 2019 they confirmed the decision. As of 1 July 2019, these units were not considered “officially closed”. Their age is calculated as of closure date. See TEPCO, “Fukushima Daini Nuclear Power Station to be Decommissioned”, Press Release, 31 July 2019, see [https://www7.tepco.co.jp/newsroom/press/archives/2019/hd\\_190731\\_01-e.html](https://www7.tepco.co.jp/newsroom/press/archives/2019/hd_190731_01-e.html), accessed 2 August 2019.