Current Status of Nuclear Power Plants in Japan

as of August 8, 2025, JAIF

	Owner	Plant Name	Reactor Type	Output MWe	Commercial Operation	Age	Current Status	Review on Conformity to the New Regulatory Requirements			Note
								Application by operator	Official approval by NRA	Restart of commercial operation	
OP	JAPC	TOKAI-2	BWR	1,100	1978	46	Outage（2011.03.11～）	2014.05.20	2018.09.26		NRA approved a beyond 40-year operating license for Tokai-2 on November 7, 2018. Work on safety measures including the installation of specialized safety facility (SSF) will be completed in December 2026.
		TSURUGA-2	PWR	1,160	1987	38	Outage（2011.05.07～）	2015.11.05	Not permitted by NRA (2024.11.13)		On August 28, 2024, NRA approved a draft of a review report regarding a safety examination of Tsuruga-2, saying the reactor does not meet regulatory standards.
	Hokkaido EPC	TOMARI-1	PWR	579	1989	36	Outage（2011.04.22～）	2013.07.08			
		TOMARI-2	PWR	579	1991	34	Outage（2011.08.26～）	2013.07.08			
		TOMARI-3	PWR	912	2009	15	Outage（2012.05.05～）	2013.07.08	2025.07.30		Hokkaido EPC aims to restart Tomari-3 as early as possible in 2027.
	Tohoku EPC	ONAGAWA-2	BWR	825	1995	30	Operable	2013.12.27	2020.02.26	2024.12.26	Onagawa-2 resumed power generation on November 15, 2024, and started commercial operation on December 26, 2024.
		ONAGAWA-3	BWR	825	2002	23	Outage（2011.03.11～）				
		HIGASHIDORI-1	BWR	1,100	2005	19	Outage（2011.02.06～）	2014.06.10			The ending date of work on safety measures is undecided.
	TEPCO	KASHIWAZAKI KARIWA-1	BWR	1,100	1985	39	Outage（2011.08.06～）				
		KASHIWAZAKI KARIWA-2	BWR	1,100	1990	34	Outage（2007.07.05～）				
		KASHIWAZAKI KARIWA-3	BWR	1,100	1993	31	Outage（2007.07.16～）				
		KASHIWAZAKI KARIWA-4	BWR	1,100	1994	30	Outage（2007.07.16～）				
		KASHIWAZAKI KARIWA-5	BWR	1,100	1990	35	Outage（2012.01.25～）				
		KASHIWAZAKI KARIWA-6	ABWR	1,356	1996	28	Outage（2012.03.26～）	2013.09.27	2017.12.27		Fuel loading was completed on June 21, 2025.
		KASHIWAZAKI KARIWA-7	ABWR	1,356	1997	28	Outage（2011.08.23～）	2013.09.27	2017.12.27		Fuel loading was completed on April 26, 2024. A Series of checks of the soundness of major equipment was carried out by June 12, 2024. A report on safety measures confirmed by Niigata Prefecture Technical Committee was submitted to the Governor on February 12, 2025.
	Chubu EPC	HAMAOKA-3	BWR	1,100	1987	37	Outage（2010.11.29～）	2015.06.16			
		HAMAOKA-4	BWR	1,137	1993	31	Outage（2011.05.13～）	2014.02.14			
		HAMAOKA-5	ABWR	1,380	2005	20	Outage（2011.05.14～）				
	Hokuriku EPC	SHIKA-1	BWR	540	1993	32	Outage（2011.03.01～）				
		SHIKA-2	ABWR	1,358	2006	19	Outage（2011.03.11～）	2014.08.12			
	Kansai EPC	MIHAMA-3	PWR	826	1976	48	Operable	2015.03.17	2016.10.05	2021.07.27	NRA approved a beyond 40-year operating license for Mihama-3 on November 16,2016. SSF was available on July 28, 2022. NRA approved long-term facility management plans for Mihama-3 on March 27, 2025. Mihama-3 was shut down on March 2, 2025, for a periodic inspection. It resumed power generation on May 23, 2025. It started commercial operation on June 18, 2025.
		TAKAHAMA-1	PWR	826	1974	50	Operable	2015.03.17	2016.04.20	2023.8.28	NRA approved a beyond 40-year operating license for Takahama-1 & -2 on June 20, 2016. SSF was available on July 14 and August 31, 2023, respectively. NRA approved long-term facility management plans for Takahama-2 on December 16, 2024, and Takahama-1 on March 27, 2025. Takahama-1 was shut down on June 2, 2024, for a periodic inspection. It resumed power generation on August 28, 2024. It started commercial operation on September 24, 2024. Takahama-2 was shut down on November 6, 2024, for a periodic inspection. It resumed power generation on February 10, 2025, and started commercial operation on March 7, 2025.
		TAKAHAMA-2	PWR	826	1975	49	Operable	2015.03.17	2016.04.20	2023.10.16	
		TAKAHAMA-3	PWR	870	1985	40	Operable	2013.07.08	2015.02.12	2016.02.26	NRA approved a beyond 40-year operating license for Takahama-3 on May 29, 2023, and long-term facility management plans for Takahama-3 on January 17, 2024. SSF was available on December 11, 2020. Takahama-3 was shut down on February 22, 2025, for a periodic inspection. It resumed power generation on June 4, 2025. It started commercial operation on June 30, 2025.
		TAKAHAMA-4	PWR	870	1985	40	Operable	2013.07.08	2015.02.12	2017.06.16	NRA approved a beyond 40-year operating license for Takahama-4 on May 29, 2023, and long-term facility management plans for Takahama-4 on January 17, 2024. SSF was available on March 25, 2021. NRA approved a beyond 40-year operating license for Takahama-4 on May 29, 2025. Takahama-4 was shut down on June 18, 2025, for a periodic inspection. It is scheduled to resume power generation in late September 2025, and start commercial operation in late October.
		OHI-3	PWR	1,180	1991	33	Operable	2013.07.08	2017.05.24	2018.04.10	SSF was available on December 8, 2022. NRA approved long-term facility management plans for Ohi-3 on June 26, 2024. Ohi-3 was shut down on June 1, 2025, for a periodic inspection. It is scheduled to resume power generation in mid-August 2025 and start commercial operation in early September 2025. NRA approved long-term facility management plans for Ohi-3 on June 26, 2024.
		OHI-4	PWR	1,180	1993	32	Operable	2013.07.08	2017.05.24	2018.06.05	SSF was available on August 10, 2022. NRA approved long-term facility management plans for Ohi-4 on June 26, 2024. Ohi-4 was shut down on August 31, 2023, for a periodic inspection. It was shut down on December 14, 2024, for a periodic inspection. It resumed power generation on February 22, 2025. It started commercial operation on March 19, 2025.
	Chugoku EPC	SHIMANE-2	BWR	820	1989	36	Operable	2013.12.25	2021.09.15	2025.01.10	Shimane-2 resumed power generation on December 23, 2024, and started commercial operation on January 10, 2025. NRA approved long-term facility management plans for Shimanei-2 on May 21, 2025.
	Shikoku EPC	IKATA-3	PWR	890	1994	30	Operable	2013.07.08	2015.07.15	2016.09.07	SSF was available on October 5, 2021. NRA approved long-term facility management plans for Ikata-3 on March 27, 2025. Ikata-3 was shut down on July 19, 2024. It resumed power generation on October 18, 2024, and started commercial operation on November 12, 2024.
	Kyushu EPC	GENKAI-3	PWR	1,180	1994	31	Operable	2013.07.12	2017.01.18	2018.05.16	SSF was available on December 5, 2022. NRA approved long-term facility management plans for Genkai-3 on March 5, 2025. Genkai-3 was shut down on March 28, 2025, for a periodic inspection. It resumed power generation on June 15, 2025 and started commercial operation on July 10, 2025.
		GENKAI-4	PWR	1,180	1997	28	Operable	2013.07.12	2017.01.18	2018.07.19	SSF was available on February 2, 2023. Genkai-4 was shut down on July 27, 2025, for a periodic inspection. It is scheduled to start commercial operation on October 28, 2025.
		SENDAI-1	PWR	890	1984	41	Operable	2013.07.08	2014.09.10	2015.09.10	NRA approved a beyond 40-year operating license for Sendai-1 on November 1, 2023, and long-term facility management plans for Sendai-1 on November 29, 2024. SSF was available on November 11, 2020. Sendai-1 was shut down on June 14, 2024, for a periodic inspection. It resumed power generation on August 29, 2024. It started commercial operation on September 25, 2024.
		SENDAI-2	PWR	890	1985	39	Operable	2013.07.08	2014.09.10	2015.11.17	NRA approved a beyond 40-year operating license for Sendai-2 on November 1, 2023, and long-term facility management plans for Sendai-2 on November 29, 2024. SSF was available on December 16, 2020. Sendai-2 was shut down on September 14, 2024, for a periodic inspection. It resumed power generation on November 30, 2024, and started commercial operation on December 25, 2024.
	Total	33 units		33,083				25 units	18 units	14 units	

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		TSURUGA-2	PWR	1,160	1987	38	Outage（2011.05.07～）	2015.11.05	Not permitted by NRA (2024.11.13)		On August 28, 2024, NRA approved a draft of a review report regarding a safety examination of Tsuruga-2, saying the reactor does not meet regulatory standards.
	Hokkaido EPC	TOMARI-1	PWR	579	1989	36	Outage（2011.04.22～）	2013.07.08			
		TOMARI-2	PWR	579	1991	34	Outage（2011.08.26～）	2013.07.08			
		TOMARI-3	PWR	912	2009	15	Outage（2012.05.05～）	2013.07.08	2025.07.30		Hokkaido EPC aims to restart Tomari-3 as early as possible in 2027.
	Tohoku EPC	ONAGAWA-2	BWR	825	1995	30	Operable	2013.12.27	2020.02.26	2024.12.26	Onagawa-2 resumed power generation on November 15, 2024, and started commercial operation on December 26, 2024.
		ONAGAWA-3	BWR	825	2002	23	Outage（2011.03.11～）				
		HIGASHIDORI-1	BWR	1,100	2005	19	Outage（2011.02.06～）	2014.06.10			The ending date of work on safety measures is undecided.
	TEPCO	KASHIWAZAKI KARIWA-1	BWR	1,100	1985	39	Outage（2011.08.06～）				
		KASHIWAZAKI KARIWA-2	BWR	1,100	1990	34	Outage（2007.07.05～）				
		KASHIWAZAKI KARIWA-3	BWR	1,100	1993	31	Outage（2007.07.16～）				
		KASHIWAZAKI KARIWA-4	BWR	1,100	1994	30	Outage（2007.07.16～）				
		KASHIWAZAKI KARIWA-5	BWR	1,100	1990	35	Outage（2012.01.25～）				
		KASHIWAZAKI KARIWA-6	ABWR	1,356	1996	28	Outage（2012.03.26～）	2013.09.27	2017.12.27		Fuel loading was completed on June 21, 2025.
		KASHIWAZAKI KARIWA-7	ABWR	1,356	1997	28	Outage（2011.08.23～）	2013.09.27	2017.12.27		Fuel loading was completed on April 26, 2024. A Series of checks of the soundness of major equipment was carried out by June 12, 2024. A report on safety measures confirmed by Niigata Prefecture Technical Committee was submitted to the Governor on February 12, 2025.
	Chubu EPC	HAMAOKA-3	BWR	1,100	1987	37	Outage（2010.11.29～）	2015.06.16			
		HAMAOKA-4	BWR	1,137	1993	31	Outage（2011.05.13～）	2014.02.14			
		HAMAOKA-5	ABWR	1,380	2005	20	Outage（2011.05.14～）				
	Hokuriku EPC	SHIKA-1	BWR	540	1993	32	Outage（2011.03.01～）				
		SHIKA-2	ABWR	1,358	2006	19	Outage（2011.03.11～）	2014.08.12			
	Kansai EPC	MIHAMA-3	PWR	826	1976	48	Operable	2015.03.17	2016.10.05	2021.07.27	NRA approved a beyond 40-year operating license for Mihama-3 on November 16,2016. SSF was available on July 28, 2022. NRA approved long-term facility management plans for Mihama-3 on March 27, 2025. Mihama-3 was shut down on March 2, 2025, for a periodic inspection. It resumed power generation on May 23, 2025. It started commercial operation on June 18, 2025.
		TAKAHAMA-1	PWR	826	1974	50	Operable	2015.03.17	2016.04.20	2023.8.28	NRA approved a beyond 40-year operating license for Takahama-1 & -2 on June 20, 2016. SSF was available on July 14 and August 31, 2023, respectively. NRA approved long-term facility management plans for Takahama-2 on December 16, 2024, and Takahama-1 on March 27, 2025. Takahama-1 was shut down on June 2, 2024, for a periodic inspection. It resumed power generation on August 28, 2024. It started commercial operation on September 24, 2024. Takahama-2 was shut down on November 6, 2024, for a periodic inspection. It resumed power generation on February 10, 2025, and started commercial operation on March 7, 2025.
		TAKAHAMA-2	PWR	826	1975	49	Operable	2015.03.17	2016.04.20	2023.10.16	
		TAKAHAMA-3	PWR	870	1985	40	Operable	2013.07.08	2015.02.12	2016.02.26	NRA approved a beyond 40-year operating license for Takahama-3 on May 29, 2023, and long-term facility management plans for Takahama-3 on January 17, 2024. SSF was available on December 11, 2020. Takahama-3 was shut down on February 22, 2025, for a periodic inspection. It resumed power generation on June 4, 2025. It started commercial operation on June 30, 2025.
		TAKAHAMA-4	PWR	870	1985	40	Operable	2013.07.08	2015.02.12	2017.06.16	NRA approved a beyond 40-year operating license for Takahama-4 on May 29, 2023, and long-term facility management plans for Takahama-4 on January 17, 2024. SSF was available on March 25, 2021. NRA approved a beyond 40-year operating license for Takahama-4 on May 29, 2025. Takahama-4 was shut down on June 18, 2025, for a periodic inspection. It is scheduled to resume power generation in late September 2025, and start commercial operation in late October.
		OHI-3	PWR	1,180	1991	33	Operable	2013.07.08	2017.05.24	2018.04.10	SSF was available on December 8, 2022. NRA approved long-term facility management plans for Ohi-3 on June 26, 2024. Ohi-3 was shut down on June 1, 2025, for a periodic inspection. It is scheduled to resume power generation in mid-August 2025 and start commercial operation in early September 2025. NRA approved long-term facility management plans for Ohi-3 on June 26, 2024.
		OHI-4	PWR	1,180	1993	32	Operable	2013.07.08	2017.05.24	2018.06.05	SSF was available on August 10, 2022. NRA approved long-term facility management plans for Ohi-4 on June 26, 2024. Ohi-4 was shut down on August 31, 2023, for a periodic inspection. It was shut down on December 14, 2024, for a periodic inspection. It resumed power generation on February 22, 2025. It started commercial operation on March 19, 2025.
	Chugoku EPC	SHIMANE-2	BWR	820	1989	36	Operable	2013.12.25	2021.09.15	2025.01.10	Shimane-2 resumed power generation on December 23, 2024, and started commercial operation on January 10, 2025. NRA approved long-term facility management plans for Shimanei-2 on May 21, 2025.
	Shikoku EPC	IKATA-3	PWR	890	1994	30	Operable	2013.07.08	2015.07.15	2016.09.07	SSF was available on October 5, 2021. NRA approved long-term facility management plans for Ikata-3 on March 27, 2025. Ikata-3 was shut down on July 19, 2024. It resumed power generation on October 18, 2024, and started commercial operation on November 12, 2024.
	Kyushu EPC	GENKAI-3	PWR	1,180	1994	31	Operable	2013.07.12	2017.01.18	2018.05.16	SSF was available on December 5, 2022. NRA approved long-term facility management plans for Genkai-3 on March 5, 2025. Genkai-3 was shut down on March 28, 2025, for a periodic inspection. It resumed power generation on June 15, 2025 and started commercial operation on July 10, 2025.
		GENKAI-4	PWR	1,180	1997	28	Operable	2013.07.12	2017.01.18	2018.07.19	SSF was available on February 2, 2023. Genkai-4 was shut down on July 27, 2025, for a periodic inspection. It is scheduled to start commercial operation on October 28, 2025.
		SENDAI-1	PWR	890	1984	41	Operable	2013.07.08	2014.09.10	2015.09.10	NRA approved a beyond 40-year operating license for Sendai-1 on November 1, 2023, and long-term facility management plans for Sendai-1 on November 29, 2024. SSF was available on November 11, 2020. Sendai-1 was shut down on June 14, 2024, for a periodic inspection. It resumed power generation on August 29, 2024. It started commercial operation on September 25, 2024.
		SENDAI-2	PWR	890	1985	39	Operable	2013.07.08	2014.09.10	2015.11.17	NRA approved a beyond 40-year operating license for Sendai-2 on November 1, 2023, and long-term facility management plans for Sendai-2 on November 29, 2024. SSF was available on December 16, 2020. Sendai-2 was shut down on September 14, 2024, for a periodic inspection. It resumed power generation on November 30, 2024, and started commercial operation on December 25, 2024.

《Restart of shutdown NPPs》

- **NRA (established on 2012.09.19) reviews the following applications by operators in conformity with new regulatory requirements (standards) which came into effect on 2013.07.08.**
  - **Changes in reactor installment license (After preliminary approval of draft review report, a month of public consultation will be normally conducted for official permission)/Plan for construction works (Construction Permit Application)/Operational safety programs (Technical Specification)**
- **In addition to the NRA approval of the above applications, inspections before & after reactor start-up (Pre-Operational Inspection) are required before resuming commercial operation. Consent of local governments is also required for restart (but is not legally binding).**
- **Takahama–3 &-4, Ikata-3 and Genkai-3 were granted restart permission by the regulator (NRA) based on the assumption of using MOX fuel.**
- **The new regulatory standard requires the installation of specialized safety facilities within 5 years of approval of the main construction plan. On April 24, 2019, NRA decided on a policy to shut down restarted reactors which do not meet the above requirement.**
- **Nuclear operator will be required to make a technical evaluation of reactor deterioration at the 30th year of operation and every ten years thereafter, and issue a long-term facility management plan.**

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	Owner	Plant Name	Reactor Type	Output MWe	Commercial Operation	Age	Current Status	Review on Conformity to the New Regulatory Requirements			Note
								Application by operator	Preliminary approval by NRA	Official approval by NRA	
UC	J-power	OHMA	ABWR	1,383	TBD	–	Under Construction	2014.12.16			Resumed construction on October 1, 2012.
	TEPCO	HIGASHIDORI-1	ABWR	1,385	TBD	–	Under Construction				Stopped construction after March 11, 2011.
	Chugoku EPC	SHIMANE-3	ABWR	1,373	TBD	–	Under Construction	2018.08.10			
	Total	3 units		4,141				2 unit			

	Owner	Plant Name	Reactor Type	Output MWe	Operation ended or Permanent shut down	Note
CD	JAEA	JPDR	BWR	12	1976.03.18	Decommissioning completed on April 31, 1996.
		FUGEN	ATR	165	2003.03.29	Decommissioning started on February 12, 2008, and to be completed in FY 2040.
	JAPC	TOKAI	GCR	166	1998.03.31	Decommissioning started in 2001, and to be completed in FY 2030.
	Chubu EPC	HAMAOKA-1	BWR	540	2009.01.30	Decommissioning started on November 18, 2009, and to be completed in FY 2042.
		HAMAOKA-2	BWR	840	2009.01.30	Decommissioning started on November 18, 2009, and to be completed in FY 2042.
	TEPCO	FUKUSHIMA Daiichi-1	BWR	460	2012.04.19	(Decommissioning to be completed 30-40 years after the cold shutdown in December 2011.)
		FUKUSHIMA Daiichi-2	BWR	784	2012.04.19	
		FUKUSHIMA Daiichi-3	BWR	784	2012.04.19	
		FUKUSHIMA Daiichi-4	BWR	784	2012.04.19	
		FUKUSHIMA Daiichi-5	BWR	784	2014.01.31	(Fukushima-Daiichi -5& -6 are be utilized effectively to decommission Fukushima-Daiichi -1,2,3 & 4.)
		FUKUSHIMA Daiichi-6	BWR	1,100	2014.01.31	(Fukushima-Daiichi -5& -6 are be utilized effectively to decommission Fukushima-Daiichi -1,2,3 & 4.)
	JAPC	TSURUGA-1	BWR	357	2015.04.27	Decommissioning to be completed in FY 2047.
	Kansai EPC	MIHAMA-1	PWR	340	2015.04.27	Decommissioning to be completed in FY 2045.
		MIHAMA-2	PWR	500	2015.04.27	Decommissioning to be completed in FY 2045.
	Kyushu EPC	GENKAI-1	PWR	559	2015.04.27	Decommissioning to be completed in FY 2054.
	Chugoku EPC	SHIMANE-1	BWR	460	2015.04.30	Decommissioning to be completed in FY 2049.
	Shikoku EPC	IKATA-1	PWR	566	2016.05.10	Decommissioning to be completed in FY 2056.
	JAEA	MONJU	FBR	280	2017.12.06*	Decommissioning to be completed in FY 2047.
	Kansai EPC	OHI-1	PWR	1,175	2018.03.01	Decommissioning to be completed in FY 2048.
		OHI-2	PWR	1,175	2018.03.01	Decommissioning to be completed in FY 2048.
	Shikoku EPC	IKATA-2	PWR	566	2018.05.23	Decommissioning to be completed in FY 2059.
	Tohoku EPC	ONAGAWA-1	BWR	524	2018.12.21	Decommissioning to be completed in FY 2053.
	Kyushu EPC	GENKAI-2	PWR	559	2019.04.09	Decommissioning to be completed in FY 2054.
	TEPCO	FUKUSHIMA Daini-1	BWR	1,100	2019.09.30	Decommissioning to be completed in FY 2064.
		FUKUSHIMA Daini-2	BWR	1,100	2019.09.30	Decommissioning to be completed in FY 2064.
		FUKUSHIMA Daini-3	BWR	1,100	2019.09.30	Decommissioning to be completed in FY 2064.
		FUKUSHIMA Daini-4	BWR	1,100	2019.09.30	Decommissioning to be completed in FY 2064.
	Total	27 units		17,880		*Date of Application for Decommissioning Plan Approval.

OP: In operation/Operable UC: Under construction CD: Closed down In general, Decommissioning means “Dismantlement” in Japan.

Based on public information released by each electric power company and Nuclear Regulation Authority (NRA)