Current Status of Nuclear Power Plants in Japan

as of September 7, 2022, JAIF

		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	43	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 September 2024.
		TSURUGA-2	PWR	1,160	1987	35	Outage（2011.05.07～）	2015.11.05			
	Hokkaido EPC	TOMARI-1	PWR	579	1989	33	Outage（2011.04.22～）	2013.07.08			
		TOMARI-2	PWR	579	1991	31	Outage（2011.08.26～）	2013.07.08			
		TOMARI-3	PWR	912	2009	12	Outage（2012.05.05～）	2013.07.08			
	Tohoku EPC	ONAGAWA-2	BWR	825	1995	27	Outage（2010.11.06～）	2013.12.27	2020.02.26		Work on safety measures will be completed in November 2023. Onagawa-2 is scheduled to resume power generation in February 2024.
		ONAGAWA-3	BWR	825	2002	20	Outage（2011.03.11～）				
		HIGASHIDORI-1	BWR	1,100	2005	16	Outage（2011.02.06～）	2014.06.10			
	TEPCO	KASHIWAZAKI KARIWA-1	BWR	1,100	1985	36	Outage（2011.08.06～）				
		KASHIWAZAKI KARIWA-2	BWR	1,100	1990	31	Outage（2007.07.05～）				
		KASHIWAZAKI KARIWA-3	BWR	1,100	1993	29	Outage（2007.07.16～）				
		KASHIWAZAKI KARIWA-4	BWR	1,100	1994	28	Outage（2007.07.16～）				
		KASHIWAZAKI KARIWA-5	BWR	1,100	1990	32	Outage（2012.01.25～）				
		KASHIWAZAKI KARIWA-6	ABWR	1,356	1996	25	Outage（2012.03.26～）	2013.09.27	2017.12.27		
		KASHIWAZAKI KARIWA-7	ABWR	1,356	1997	25	Outage（2011.08.23～）	2013.09.27	2017.12.27		The ending date of work on safety measures is undecided.
	Chubu EPC	HAMAOKA-3	BWR	1,100	1987	35	Outage（2010.11.29～）	2015.06.16			
		HAMAOKA-4	BWR	1,137	1993	29	Outage（2011.05.13～）	2014.02.14			
		HAMAOKA-5	ABWR	1,380	2005	17	Outage（2011.05.14～）				
	Hokuriku EPC	SHIKA-1	BWR	540	1993	29	Outage（2011.03.01～）				
		SHIKA-2	ABWR	1,358	2006	16	Outage（2011.03.11～）	2014.08.12			
	Kansai EPC	MIHAMA-3	PWR	826	1976	45	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. It was shut down on October 23, 2021, for a periodic inspection. Mihama-3 resumed power generation on September 1, 2022 and will start commercial operation on September 26, 2022.
		TAKAHAMA-1	PWR	826	1974	47	Outage（2011.01.10～）	2015.03.17	2016.04.20		NRA approved a beyond 40-year operating license for Takahama-1 & -2 on June 20, 2016. Work on safety measures for Takahama-1 was completed on September 18, 2020. The work on safety measures for Takahama-2 was completed on January 31, 2022. The deadline of installation of SSFs for Takahama-1 & 2 was June 9, 2021. SSF of Takahama-1 will be available around May 2023, and that of Takahama-2 will be around June 2023. Takahama-1 is scheduled to resume power generation on June 3, 2023, and Takahama-2 will be on July 15, 2023.
		TAKAHAMA-2	PWR	826	1975	46	Outage（2011.11.25～）	2015.03.17	2016.04.20		
		TAKAHAMA-3	PWR	870	1985	37	Operable	2013.07.08	2015.02.12	2016.02.26	Takahama-3 was shut down on March 1, 2022, for a periodic inspection. It resumed power generation on July 26, 2022 and started commercial operation on August 19, 2022.
		TAKAHAMA-4	PWR	870	1985	37	Operable	2013.07.08	2015.02.12	2017.06.16	Takahama-4 was shut down on June 8, 2022, for a periodic inspection. It is scheduled to resume power generation around the late October 2022 and start commercial operation around the mid-November 2022.
		OHI-3	PWR	1,180	1991	30	Operable	2013.07.08	2017.05.24	2018.04.10	Ohi-3 was shut down on August 23, 2022, for a periodic inspection, due to the deadline of the installation of SSF on August 24, 2022. It will resume power generation around mid-December 2022 and start commercial operation around mid-January 2023.
		OHI-4	PWR	1,180	1993	29	Operable	2013.07.08	2017.05.24	2018.06.05	Ohi-4 was shut down on March 11, 2022, for a periodic inspection. It resumed power generation on July 17, 2022 and started commercial operation on August 12, 2022.
	Chugoku EPC	SHIMANE-2	BWR	820	1989	33	Outage（2012.01.27～）	2013.12.25	2021.09.15		Work on safety measures will be completed in FY 2022. Governor of Shimane Prefecture consented the restart of Shimane-2 on June 2, 2022.
	Shikoku EPC	IKATA-3	PWR	890	1994	27	Operable	2013.07.08	2015.07.15	2016.09.07	Ikata-3 resumed power generation on December 6, 2021 and started commercial operation on January 24, 2022.
	Kyushu EPC	GENKAI-3	PWR	1,180	1994	28	Operable	2013.07.12	2017.01.18	2018.05.16	Genkai-3 was shut down on January 21, 2022, for a periodic inspection. The deadline of installation of SSF for Genkai-3 is August 24, 2022. It is scheduled to resume power generation on January 20, 2023.
		GENKAI-4	PWR	1,180	1997	25	Operable	2013.07.12	2017.01.18	2018.07.19	Genkai-4 was shut down on April 30, 2022. It resumed power generation on July 13, 2022 and started commercial operation on August 9, 2022. It will be shut down on September 12, 2022, for a periodic inspection, due to the deadline of the installation of SSF on September 13, 2022. It will resume power generation on February 23, 2023.
		SENDAI-1	PWR	890	1984	38	Operable	2013.07.08	2014.09.10	2015.09.10	Sendai-1 was shut down on October 17, 2021, for a periodic inspection and started a special inspection to prepare for the application of a beyond 40-year operating license on October 18, 2021. It resumed power generation on December 20, 2021 and started commercial operation on January 17, 2022.
		SENDAI-2	PWR	890	1985	36	Operable	2013.07.08	2014.09.10	2015.11.17	Sendai-2 was shut down on February 21, 2022, for a periodic inspection and started a special inspection to prepare for the application of a beyond 40-year operating license on the same day. It resumed power generation on June 13, 2022 and started commercial operation on July 11, 2022.
	Total	33 units		33,083				25 units	17 units	10 units	

《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.**

Current Status of Nuclear Power Plants in Japan

as of September 7, 2022, 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	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			⁂ On August 28, 2018, TEPCO started a geological survey comprehensively for the Higashidori nuclear power plant in Aomori Prefecture.

	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 2036.
		HAMAOKA-2	BWR	840	2009.01.30	Decommissioning started on November 18, 2009, and to be completed in FY 2036.
	TEPCO	FUKUSHIMA Daiichi-1	BWR	460	2012.04.19	(Decommissioning to be completed 30-40 years after the cold shutdown.)
		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 2039.
	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 2045.
	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)