

Current Status of Nuclear Power Plants in Japan

as of February 14, 2024, JAIF

| 073 Aa | 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 | |
| JAPC | TOKAI-2 | BWR | 1,100 | 1978 | 45 | 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 | 36 | Outage (2011.05.07~) | 2015.11.05 | | | |
| Hokkaido EPC | TOMARI-1 | PWR | 579 | 1989 | 34 | Outage (2011.04.22~) | 2013.07.08 | | | |
| | TOMARI-2 | PWR | 579 | 1991 | 32 | Outage (2011.08.26~) | 2013.07.08 | | | |
| | TOMARI-3 | PWR | 912 | 2009 | 14 | Outage (2012.05.05~) | 2013.07.08 | | | |
| Tohoku EPC | ONAGAWA-2 | BWR | 825 | 1995 | 28 | 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 May 2024. Expected to be delayed by several months. |
| | ONAGAWA-3 | BWR | 825 | 2002 | 22 | Outage (2011.03.11~) | | | | |
| | HIGASHIDORI-1 | BWR | 1,100 | 2005 | 18 | Outage (2011.02.06~) | 2014.06.10 | | | |
| TEPCO | KASHIWAZAKI KARIWA-1 | BWR | 1,100 | 1985 | 38 | Outage (2011.08.06~) | | | | |
| | KASHIWAZAKI KARIWA-2 | BWR | 1,100 | 1990 | 33 | Outage (2007.07.05~) | | | | |
| | KASHIWAZAKI KARIWA-3 | BWR | 1,100 | 1993 | 30 | Outage (2007.07.16~) | | | | |
| | KASHIWAZAKI KARIWA-4 | BWR | 1,100 | 1994 | 29 | Outage (2007.07.16~) | | | | |
| | KASHIWAZAKI KARIWA-5 | BWR | 1,100 | 1990 | 33 | Outage (2012.01.25~) | | | | |
| | KASHIWAZAKI KARIWA-6 | ABWR | 1,356 | 1996 | 27 | Outage (2012.03.26~) | 2013.09.27 | 2017.12.27 | | |
| | KASHIWAZAKI KARIWA-7 | ABWR | 1,356 | 1997 | 26 | 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 | 36 | Outage (2010.11.29~) | 2015.06.16 | | | |
| | HAMAOKA-4 | BWR | 1,137 | 1993 | 30 | Outage (2011.05.13~) | 2014.02.14 | | | |
| | HAMAOKA-5 | ABWR | 1,380 | 2005 | 19 | Outage (2011.05.14~) | | | | |
| Hokuriku EPC | SHIKA-1 | BWR | 540 | 1993 | 30 | Outage (2011.03.01~) | | | | |
| | SHIKA-2 | ABWR | 1,358 | 2006 | 17 | Outage (2011.03.11~) | 2014.08.12 | | | |
| OP | MIHAMA-3 | PWR | 826 | 1976 | 47 | 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 25, 2023, for a periodic inspection. It resumed power generation on January 20, 2024, and started commercial operation on February 14, 2024. |
| | TAKAHAMA-1 | PWR | 826 | 1974 | 49 | Operable | 2015.03.17 | 2016.04.20 | 2023.8.28 | |
| | TAKAHAMA-2 | PWR | 826 | 1975 | 48 | Operable | 2015.03.17 | 2016.04.20 | 2023.10.16 | |
| | TAKAHAMA-3 | PWR | 870 | 1985 | 39 | Operable | 2013.07.08 | 2015.02.12 | 2016.02.26 | |
| | TAKAHAMA-4 | PWR | 870 | 1985 | 38 | Operable | 2013.07.08 | 2015.02.12 | 2017.06.16 | |
| | OHI-3 | PWR | 1,180 | 1991 | 32 | Operable | 2013.07.08 | 2017.05.24 | 2018.04.10 | |
| | OHI-4 | PWR | 1,180 | 1993 | 31 | Operable | 2013.07.08 | 2017.05.24 | 2018.06.05 | |
| Chugoku EPC | SHIMANE-2 | BWR | 820 | 1989 | 35 | Outage (2012.01.27~) | 2013.12.25 | 2021.09.15 | | Work on safety measures will be completed in May 2024. Shimane-2 will resume power generation in August, 2024. |
| Shikoku EPC | IKATA-3 | PWR | 890 | 1994 | 29 | Operable | 2013.07.08 | 2015.07.15 | 2016.09.07 | Ikata-3 was shut down on February 23, 2023. It resumed power generation on May 26, 2023, and started commercial operation on June 20, 2023. |
| Kyushu EPC | GENKAI-3 | PWR | 1,180 | 1994 | 29 | Operable | 2013.07.12 | 2017.01.18 | 2018.05.16 | SSF was available on December 5, 2022. Genkai-3 resumed power generation on December 12, 2022, and started commercial operation on January 10, 2023. It was shut down on November 10, 2023, for a periodic inspection. It resumed power generation on February 2, 2024, and will start commercial operation on February 29, 2024. |
| | GENKAI-4 | PWR | 1,180 | 1997 | 26 | Operable | 2013.07.12 | 2017.01.18 | 2018.07.19 | Genkai-4 was shut down on September 12, 2022, for a periodic inspection, due to the deadline of the installation of SSF on September 13, 2022. SSF was available on February 2, 2023. It resumed power generation on February 9, 2023, and started commercial operation on March 8, 2023. |
| | SENDAI-1 | PWR | 890 | 1984 | 39 | Operable | 2013.07.08 | 2014.09.10 | 2015.09.10 | Sendai-1 was shut down on February 16, 2023, for a periodic inspection. It resumed power generation on April 23, 2023, and started commercial operation on May 19, 2023. NRA approved a beyond 40-year operating license for Sendai-1 on November 1, 2023. |
| | SENDAI-2 | PWR | 890 | 1985 | 38 | Operable | 2013.07.08 | 2014.09.10 | 2015.11.17 | Sendai-2 was shut down on May 13, 2023, for a periodic inspection. It resumed power generation on July 18, 2023, and started commercial operation on August 15, 2023. NRA approved a beyond 40-year operating license for Sendai-2 on November 1, 2023. |
| Total | 33 units | | 33,083 | | | | 25 units | 17 units | 12 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.

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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 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 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 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 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)