



# Japan clean electricity





## Overview

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The results show that Japan can achieve 90% 24/7 CFE at competitive costs, saving up to USD 1.84 billion annually in avoided fossil fuel expenses and cutting emission intensity by 74% for participating companies compared to annual matching. Despite new targets in Japan's Seventh Strategic Energy Plan to raise renewables to 40-50% of all electricity generation by 2040, the expansion of renewable capacity has actually slowed down in recent years. At the same time, global supply chains are putting pressure on Japanese companies to. Over the last several years, the Japanese government has announced energy policies aimed to achieve carbon neutrality, or net-zero greenhouse gas (GHG) emissions, by 2050 by lowering emissions in the electric power, industrial, and transportation sectors. In the electric power sector, government. Major Japanese utilities like Tokyo Gas and JERA are downplaying or abandoning clean energy targets while ramping up overseas investments in liquefied natural gas (LNG) and other fossil fuel technologies. Tokyo Gas and JERA's strategies undermine national climate efforts, exacerbate Japan's. The 28th Conference of the Parties to the UN Framework Convention on Climate Change (COP28) was held in 2023.



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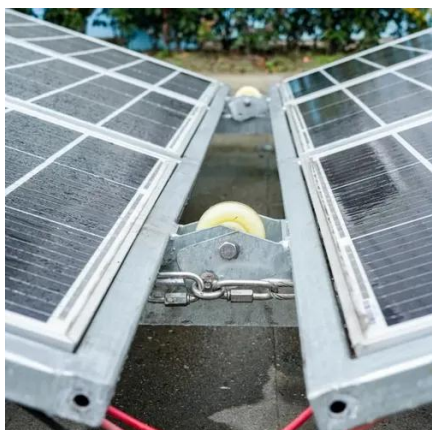
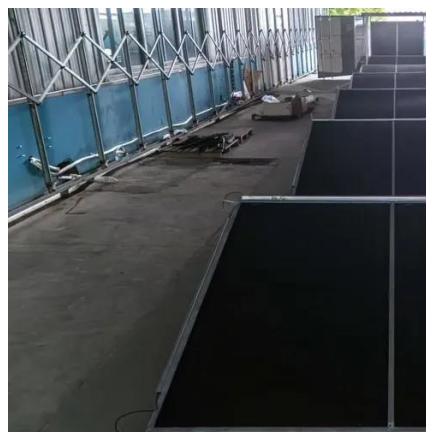


### [Japan Energy Shift to Clean Growth Drives Future ...](#)

Discover how Japan Energy is shifting to clean sources, boosting efficiency, and driving sustainable growth in a modern, reliable energy future.

### **Japan's Strategy to Expand Renewable Energy Contributes to the ...**

Japan started advancing various efforts to expand renewable energy long before COP28. This article shines light on the forefront of Japan's policy regarding renewable energy, which is also ...



### [Modelling 24/7 Carbon Free Electricity in Japan](#)

At the heart of this transition is Japan's ability to produce 24/7 carbon-free energy (CFE) -- electricity that matches demand with clean generation hour by hour -- to meet the expectations of ...

### [Green vows, gas realities: Japan's clean energy dilemma](#)

Japan's renewable energy trajectory, with a heavy focus on hydrogen, is entering a critical period, with recent industrial policies, technological feasibility and the emerging ecosystem of ...



## Japan's energy policies aim for increased zero-carbon electricity

Over the last several years, the Japanese government has announced energy policies aimed to achieve carbon neutrality, or net-zero greenhouse gas (GHG) emissions, by 2050 by ...



## Japan to back clean-energy users with \$1.3 billion in investment

Japan plans to provide 210 billion yen (\$1.34 billion) to help companies that are using clean power to fund investments, in a push to boost demand for renewable energy and spur growth in



## Japan's clean energy grows by 21 TWh in 2024, driven by nuclear and

Clean energy generation in Japan rose by 21 TWh (+7 percent), led by increases in nuclear (+7.5 TWh, +9.6 percent) and solar (+5 TWh, +5.2 percent). The growth in clean generation ...



## Japan's largest utilities continue to



## backslide on clean energy

In recent months, several major Japanese utilities have escalated support for natural gas and other fossil fuel technologies overseas, while downplaying clean energy targets at home.



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## Japan

Japan targets 38% renewable electricity by 2030, well below the 60% global share set out in the IEA Net Zero Emissions scenario. While headwinds exist for renewables growth in the country, ...

## Japan's Green Energy Revolution: The Latest Developments in 2025

In a major policy update, Japan's Ministry of Economy, Trade, and Industry (METI) has announced plans to increase renewable energy's share in the power grid to 40-50% by 2040. This ambitious target ...





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