

Is a zero-carbon energy supply affordable in Japan?

The international science community is comprised of 6,500 students and experts engaged in scientific research and academic education. A new report by Renewable Energy Institute (REI), Agora Energiewende, and LUT University finds that a zero-carbon energy supply based solely on renewables would be affordable in Japan.

How much wind power will Japan have by 2040?

Furthermore, it announced plans to install around 30 to 45 gigawatts of offshore wind power by 2040. Wind energy currently only produces a small amount of energy supply in Japan, but the electricity production from offshore wind energy is expected to increase further.

Is nuclear power a good option for Japan?

One option currently debated in Japan is nuclear power. The study finds, however, that nuclear is not necessary to achieve the long-term decarbonization target at a low cost. On the contrary, renewables will increasingly be less expensive than new nuclear and even lifetime extensions starting as soon as 2025.

Share of renewables in Japan's domestic electricity supply and demand. The data is based on monthly electricity supply-demand data published by 10 general transmission and distribution companies for each area in Japan, ...

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The Government of Japan formulates the "Strategic Energy Plan" to show the direction of Japan's energy policy. It is reviewed at least every 3 years in view of the latest energy situations at home and abroad, and revised if considered necessary. On October 22, the 6th "Strategic Energy Plan" was published.

Share of renewables in Japan's domestic electricity supply and demand. The data is based on monthly electricity supply-demand data published by 10 general transmission and distribution companies for each area in Japan, and is compiled for the year 2023, focusing on the ratio of renewable energy to grid electricity demand.

Japan's policy of expanding renewable energy is expected to promote the introduction of renewable energy in

Asia through the development of next-generation technologies. It will also contribute to the world's efforts toward tripling renewable energy.

State Minister Ishii Attends the 22nd Council of the International Renewable Energy Agency (IRENA) (October 28, 2021) Call Starts for Applicants for "Cost Reductions for ...

In 2022 (calendar year), the share of renewables in Japan's total electricity generation including on-site consumption is estimated to be 22.7%, up only slightly from 22.4% in the previous year, and policies for ...

Japan has pledged climate-neutrality by 2050. Now, on the tenth anniversary of the Fukushima accident, a new report by Renewable Energy Institute (REI), Agora Energiewende, and LUT University finds that a zero-carbon energy supply based solely on renewables would be affordable in Japan (updated June 2021).

Renewable energy sources are expected to be the biggest item in Japan's planned energy mix for fiscal 2040 due out by year-end, sources have said. The government will soon release the energy mix ...

The use of hydrogen as an energy source is considered key to achieving carbon neutrality by 2050. Japan has been quick to focus on hydrogen, as demonstrated by its drawing up of a hydrogen utilization road map in 2014 ...

On October 22, 2021, the Government of Japan published the 6th Strategic Energy Plan to show the direction of Japan's energy policy. It explains our climate-related efforts to overcome challenges toward achieving carbon neutrality by 2050. It also covers policies to solve various issues in relation to the energy supply/demand structure of Japan.

In recent years, Japan was one of the leading countries for installed renewable energy capacity and steadily expanded its electricity production from renewable energy sources. Under the new...

State Minister Ishii Attends the 22nd Council of the International Renewable Energy Agency (IRENA) (October 28, 2021) Call Starts for Applicants for "Cost Reductions for Offshore Wind Power Generation" Projects (October 1, 2021)

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