

The Fukushima Plan for a New Energy Society

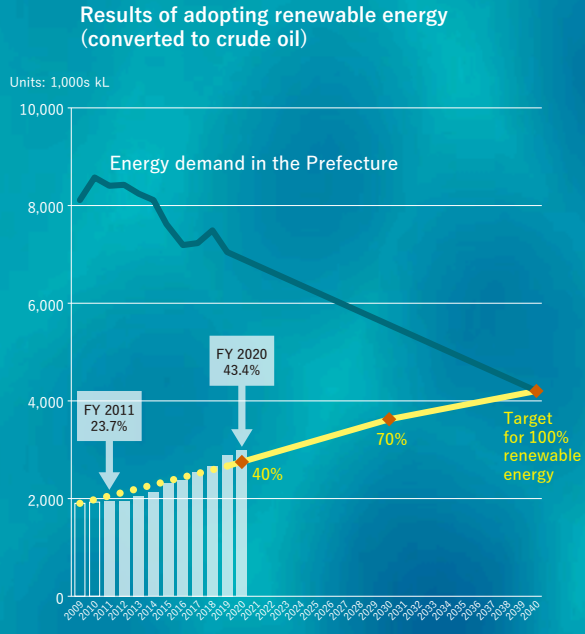
<Aiming to be a frontrunner in renewable energy and create a hydrogen society>

As a large foundation for revitalization in Fukushima Prefecture, a target was established in March 2012 to “have 100% or more of the primary energy demand amount in Fukushima be produced from renewable energy by around 2040”. It aims to make Fukushima a frontrunner in renewable energy.

In order to provide further support towards the revitalization of Fukushima from the energy sector, in September 2016, the national government, prefectural government, related corporations, and others came together to create the Fukushima Plan for a New Energy Society.

This plan aims to maximise the adoption of renewable energy, to create, store, transport and use hydrogen from renewable energy and create a model for a future new energy society in Fukushima.

In February 2021, after revisions to the Fukushima Plan for a New Energy Society, Fukushima Prefecture issued the Fukushima Prefecture 2050 Carbon Neutral Declaration that aims to achieve a carbon-free society by 2050.



Being a frontrunner in renewable energy: TOPICS

We are working to maximise the adoption of solar, wind, and other renewable energy.

TOPIC 1



Establishing shared energy transmission lines based on the Fukushima Plan for a New Energy Society

In zones where evacuation orders have been lifted, we are supporting the project to utilise nuclear power transmission lines to construct a system of shared power transmission lines for the adoption of renewable energy based on the Fukushima Plan for a New Energy Society. Construction of shared power transmission lines is expected to lead towards the adoption of around 600 MW of renewable energy.

TOPIC 2



Building smart communities

In the five municipalities in Coastal Region District that suffered large damage due to the Great East Japan Earthquake, the Smart Community Project is being carried out and integrated in the recovery and development of communities.

TOPIC 3



Fukushima Renewable Energy Institute

This new research and development institute of the National Institute of Advanced Industrial Science and Technology was established in Koriyama City, Fukushima Prefecture in April 2014. This institute evaluates technologies related to renewable energy from businesses in Fukushima Prefecture and provides support for commercialisation, aiming to commercialise these technologies within the Prefecture.

Development of communities using hydrogen: TOPICS

In addition to renewable energy, we are working to develop communities that use hydrogen together with partner corporations.

TOPIC 1



Fukushima Hydrogen Energy Research Field

A large-scale demonstration project for hydrogen created from renewable energy is being carried out at a demonstration area created in a section of the Tanashio Industrial Park, which is under construction in Namie Town. Plans are to construct a hydrogen energy system using 10,000 kW class hydrogen production equipment – among the world's largest – that makes maximum use of power from on-site solar panels.

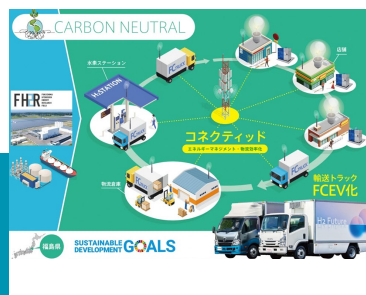
TOPIC 2



Installing stationary fuel cells at prefectural facilities

The two pure hydrogen fuel cell systems (100 kW, 700 W) installed by the Prefecture in Prefectural Azuma Sports Park and J Village began operating on 29 June, 2020. Based on an agreement with NEDO, these systems use hydrogen that is produced within the Prefecture at the Fukushima Hydrogen Energy Research Field (FH2R).

TOPIC 3



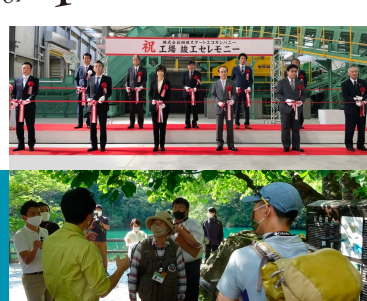
Considering the development of new and future communities utilising hydrogen

We started to make considerations in June 2021, together with Toyota Motor Corp. and participating partners. Using the field of a city with 300,000 people, the adoption of FC trucks which utilise connected technologies was promoted. This project will operate FC kitchen cars, doctor cars, and other vehicles, and has started on the path of using hydrogen in shops and factories to achieve a carbon-free society throughout the supply chain.

Achieving towards a Carbon-free Society: TOPICS

Residents of the Prefecture are cooperating, coordinating, and co-creating. All of Fukushima is aiming to achieve a carbon-free society that is unique to the Prefecture.

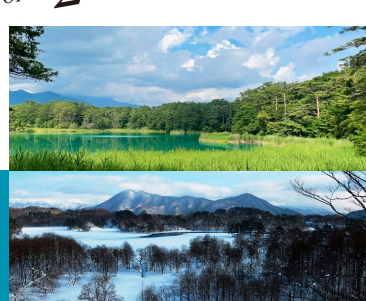
TOPIC 1



Fukushima × Carbon-free, Recycling, Coexistence with Nature Launching the Fukushima Regeneration/Future Oriented Project

Since August 2018, we have been carrying out a future oriented project to meet the local needs in Fukushima Prefecture for environmental restoration, including decontamination and disposal of contaminated waste. Not only this but also to create and rediscover local value from environmental perspectives, including a carbon-free society, recycling and coexistence with nature.

TOPIC 2



Formulating the Fukushima Green Reconstruction Concept

We are carrying out a project from the perspectives of “protect,” “polish,” and “towards the future” for a rich natural environment in Fukushima. The goals of this project include developing appropriate awareness regarding preservation and protection of the natural environment, bringing visitors back to natural parks by increasing their appeal, increasing the number of population visiting the Prefecture, and measures to reduce environmental impact for sustainable use.

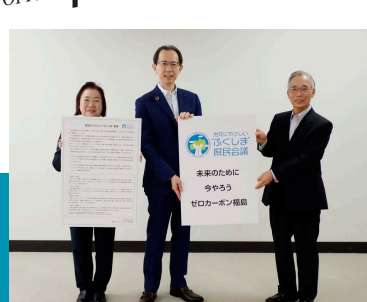
TOPIC 3



Concluding the Cooperation Agreement By the Ministry of the Environment and Fukushima Prefecture

In 2020, the Ministry of the Environment and Fukushima Prefecture concluded the “Cooperation Agreement on Future Oriented Environmental Plans Aimed at Recovery in Fukushima.” The three basic areas of cooperation in the agreement consist of “strong implementation of the Fukushima Green Recovery concept,” “measures to combat climate change conducted in parallel with recovery efforts,” and “environmental measures that anticipate a post-coronavirus society.”

TOPIC 4

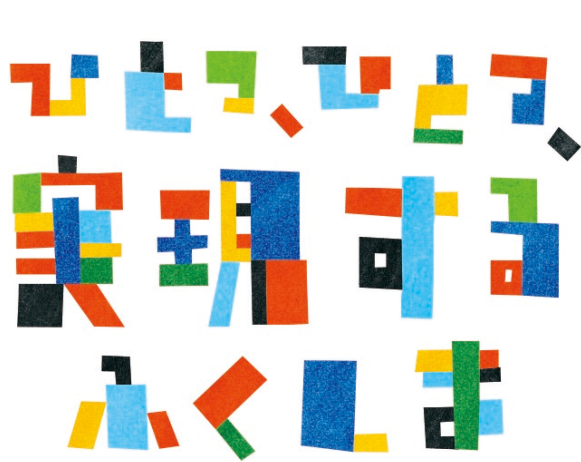


Declaring an Environmentally Friendly Fukushima

Based on the declaration that Fukushima Prefecture will be carbon neutral by 2050, the year 2021 has been positioned as the “restart” year, and strong efforts are being made to generate a prefecture-wide movement for the prevention of global warming. A new logo mark and slogan were created, and the “Declaring an Environmentally Friendly Fukushima” was issued, aiming to eventually produce activities that involve all residents of the Prefecture.

The prefectural residents are all working together to create a carbon-free society by 2050

In order to achieve the goal of making Fukushima Prefecture carbon neutral by 2050, Fukushima Prefecture is carrying out a range of unique and powerful initiatives that involve all prefectural residents including energy conservation programs and maximising the use of renewable energy. Aiming to create a sustainable carbon-free society, all residents, businesses, and municipalities are working together on measures to prevent global warming while also placing great value on the awareness and actions of individuals.



Project: Fukushima Protocol

Schools and businesses are setting their own targets and concluding “Protocols” with the governors in order to enact measures aimed at preventing global warming.

Project: Eco-Challenge for Everyone!

Aiming to reduce per-household carbon dioxide emissions by 1% or more, we are promoting the “Fukushima Eco Way” which collects everyday ecological activities for families to carry out.

Project: My Bottle & Cup Promotion

In cooperation with local businesses, we are conducting a campaign aimed at reducing plastic waste. This includes the use of a personal “my bottle & cup” at places such as schools, travel destinations, and cooperating shops, and other measures aimed at transitioning to more environmentally friendly lifestyles.