

ENERGY, ENVIRONMENT AND RECYCLING IN FUKUSHIMA

Fukushima Prefecture is expanding the adaption of renewable energy with the goal of generating renewable energy equivalent to 100% or more of the prefecture's energy demand by around 2040, and is also working to develop and cluster related industries through measures such as the development of hubs.

Renewable Energy-related Facilities in the Prefecture

KORIYAMA CITY

Fukushima Renewable Energy Institute, AIST (FREA)

The National Institute of Advanced Industrial Science and Technology (AIST) developed an R&D hub for renewable energy, which opened on 1 April 2014. The adjacent Smart System Research Building started operating on 1 April 2016.



Source: AIST

FUKUSHIMA CITY

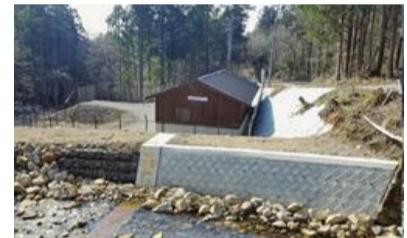
Tsuchiyu Onsen Hot Spring Binary Power Plant



Source: Genki Up Tsuchiyu Co., Ltd.

OTAMA VILLAGE

Mt. Shinobu/Endogataki Falls Otama Daiichi Small Hydroelectric Power Plant



Source: Shinobuyama Fukushima Power Co., Ltd.

AIZUWAKAMATSU CITY

Green Power Aizu Woody Biomass Power Plant



Source: Green Hatsuden Aizu Co., Ltd.

KORIYAMA CITY

Koriyama Nunobiki Wind Farm



Source: J-POWER (Electric Power Development, Co., Ltd.)

HYDROGEN-RELATED AREAS

Fukushima Hydrogen Energy Research Field (FH2R)

FH2R opened in Namie Town in March 2020. It is one of the world's leading demonstration sites for hydrogen production using renewable energy sources (20MW of solar power). It is capable of producing 1,200Nm³ per hour (rated) of hydrogen, enough to power approx. 560 fuel-cell vehicles per day.



NAMIE TOWN

Fuel Cell Busses/Vehicles

As of September 2025, a total of 60 fuel cell vehicles have been registered with the Prefecture. Fuel cell busses are in service within Iwaki City and between Fukushima City and Kawamata Town. Additionally, fuel cell school bus services began operation in Namie Town in April 2023.



Iwaki City:
First in the Tohoku Region



Fukushima City

Hydrogen Stations

Five stationary stations (with 6 dispensers) in Iwaki City ① Koriyama City ② Fukushima City ③, Namie Town ④ and Motomiya City ⑤ and one mobile station (operated in two locations) are currently in operation. In May 2024, a large-scale stationary station capable of servicing large commercial vehicles was opened in Motomiya City.



Hydrogen Station in
Fukushima City

SUKAGAWA CITY & TAMAKAWA VILLAGE

Fukushima Airport Megasolar



Source: Fukushima Electric Power Co., Ltd.