

# 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.

### TAMURA CITY

**Abukuma/Coastal Area Shared Transmission Line Project**  
In the Abukuma Mountains and the Coastal Region, support is being provided for the adoption of approximately 600 MW of renewable energy power generation facilities. Furthermore, approximately 86km of shared power transmission lines and related facilities were completed in July 2024.



**Shared power transmission in service**

Source: Fukushima Power Transmission Co., Ltd.

### KORIYAMA CITY

#### Koriyama Nunobiki Wind Farm



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

### SUKAGAWA CITY & TAMAKAWA VILLAGE

#### Fukushima Airport Megasolar



Source: Fukushima Electric Power Co., Ltd.

## HYDROGEN-RELATED AREAS

### NAMIE TOWN

#### 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 1,200Nm<sup>3</sup> per hour (rated) of hydrogen, enough to power approx. 560 fuel-cell vehicles per day.



### Fuell Cell Busses/Vehicles

As of May 2024, a total of 46 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

