

Is Higashimatsushima a microgrid community?

Higashimatsushima city is currently building Japan's first microgrid community called Higashimatsushima Disaster-Prepared, Smart Eco-Town. The community not only can provide backup power for the grid in case of emergencies, but can allow the community to be more energy independent and environmentally friendly.

How have microgrids impacted Japan?

In the decade since the 2011 East Japan Earthquake and Tsunami, microgrids have sprung up across Japan to help the country meet its energy demands and build resilience. On March 11, 2011, a magnitude 9.0 earthquake struck Japan -- the largest ever experienced and so powerful that it shifted the Earth on its axis by 10 cm!

Can Japan use small-scale microgrids in other countries?

"Japanese expertise in small-scale microgrids can be applied in other countries," says President Gouzu of Pacific Power Co., Ltd. Mutsuzawa Smart Wellness Town came into the limelight in September 2019, when one of the most powerful typhoons on record made landfall in Chiba Prefecture and triggered a widespread power failure.

Why is Higashi-Matsushima moving away from grid-connected power?

Higashi-Matsushima, one of the cities affected by the 2011 earthquake and tsunami that hit Japan, is shifting away from grid-connected power to self-reliance and local generation and distribution.

What is a microgrid community?

The community not only can provide backup power for the grid in case of emergencies, but can allow the community to be more energy independent and environmentally friendly. This microgrid community is a joint project between the city and Sekisui House, the Japan's leading house developer, with a research funding from the Ministry of Environment.

Will solar power provide emergency power in Higashimatsushima?

These sites are designated for evacuations and solar power will provide emergency power. Higashimatsushima city is currently building Japan's first microgrid community called Higashimatsushima Disaster-Prepared, Smart Eco-Town.

<Environmental Future City vision in disaster area (of Great East Japan Earthquake)> (1) Ofunato City, Chikuzen Takata City, Sumita Town of Iwate Pref. (2) Kamaishi City, Iwate Pref. ...

Nestled along the northeastern coast of Japan in the Tohoku region, Matsushima (??) is renowned for its stunning bay, dotted with over 260 small islands covered by pine trees. This scenic wonder, often referred to as ...



Japan Microgrid Matsushima

Japan took the initiative among international standards activities on electricity resilience. The Microgrids for Disaster Preparedness and Recovery Project was proposed by Japanese ...

A small town in Chiba Prefecture has created a microgrid--a decentralized electric power system--utilizing locally produced natural gas and solar energy. This innovation exemplifies how regional energy diversification ...

For hundreds of years, Matsushima with its pine-covered islands has been regarded as one of Japan's three most scenic spots. Even today, it is one of the most popular sightseeing locations in the Tohoku ...

For instance, Higashi Matsushima in northern Japan, which lost 75% of its homes and a part of its population following the 2011 disasters, constructed micro-grids and de-centralized renewable power generation with ...

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In 2016, the Higashi-Matsushima City Disaster ready smart eco-town was completed in Higashi-Matsushima City, which was hit by the 2011 Great East Japan Earthquake tsunami. In order to ...

The city generates electricity and runs its own microgrid system, using a battery to meet its needs in the event of a disaster for three days. In addition, Higashi Matsushima has demonstrated...

Attractiveness : Many people in the city of Higashi-Matsushima lost their homes in the tsunami that happened in 2011. Resilient housings and hospitals are required so the residents can rebuild their lives. And the accident ...

For this reason, Higashi-Matsushima City Disaster ready smart eco-town combines 85 disaster public housing with 4 medical facilities and public facilities. This smart town system has a 460kW solar power generation system on a ...

