

Namie Town's Effort to Become a Zero-carbon City

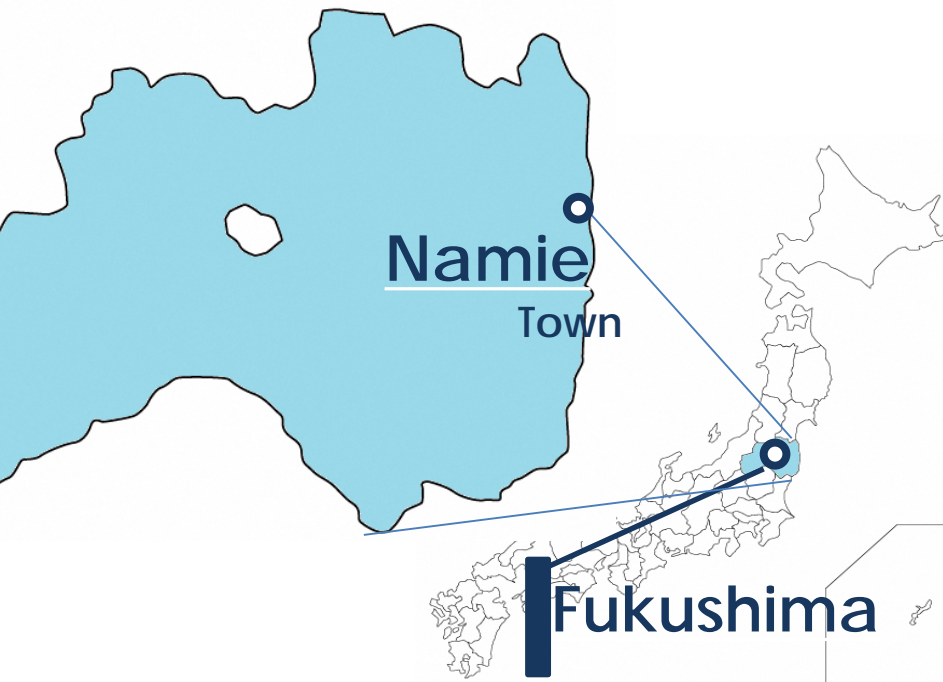
November 2021
Namie Town Hall
Industry Promotion Division



Zero
Carbon
Namie



Namie Town Before the Earthquake



- Located in Futaba-County, Fukushima Prefecture
- Central city of Futaba-County surrounded by mountains, rivers and sea
- Salmon swim upstream in the fall

◆ Before the Earthquake

Population **21,434**

Households **7,671**

Area **223.14 km²**



◆ Present

Population **1,717**

Households **1,079**

※Aug 31st, 2021

◆ Special Products



Ooborisoma
-Ware



Seafood



Sake



Namie
Fried Noodles



DASH Village

The Great East Japan Earthquake



- Tremor of seismic intensity 6+ (JMA scale)
- Tsunami over 15 meters high
 - Flooded: 6 km²
 - Houses completely destroyed: 651
 - Business sites destroyed: 1,000
 - Dead: 182

Because of the nuclear accident the next day,
we could NOT save lives that might have been saved.

Moving toward Reconstruction

- 2011: All 21,000 residents of Namie evacuated.
- 2016: We returned to Namie.



Reopening of JR Joban Line



Opening of Namie Roadside Station



Reopening of Joban Expressway



Opening of Child Center



Reopening of Ukedo Fishing Port



Reopening of farms



Children and Students



Development of public housing



Flower cultivation

Fukushima Hydrogen Energy Research Field

- **March 5, 2020: Namie Town declared its commitment to net zero emissions by 2050.**
- **March 7, 2020: Fukushima Hydrogen Energy Research Field (FH2R) completed in Namie Town.**



Expand Introduction of Renewable Energy

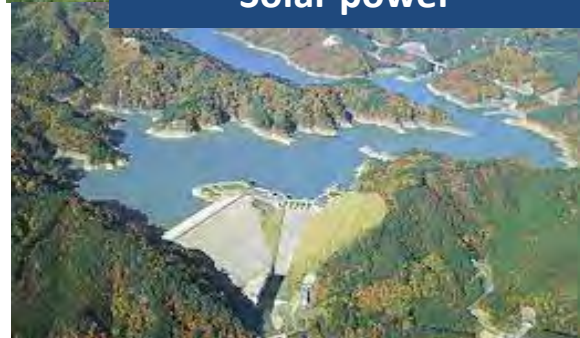
- Renewable energy generation businesses are developing throughout the town, leveraging the abundant renewable energy potential. They already produce renewable energy equivalent to the amount of power consumed by the town prior to the disaster.
- We will build a model for local production and consumption to fully utilize town-generated power in the town.



Solar power



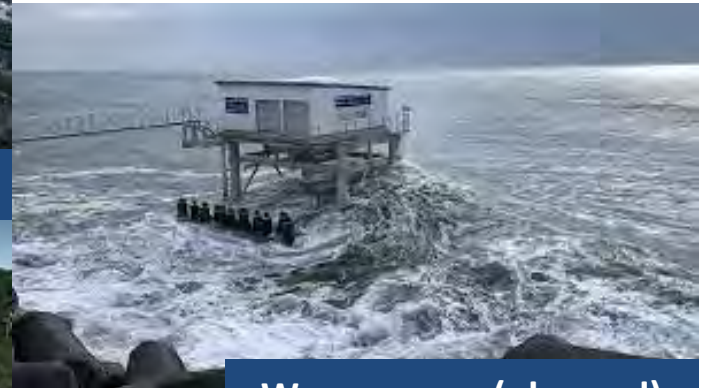
Solar power



Hydro power (planned)

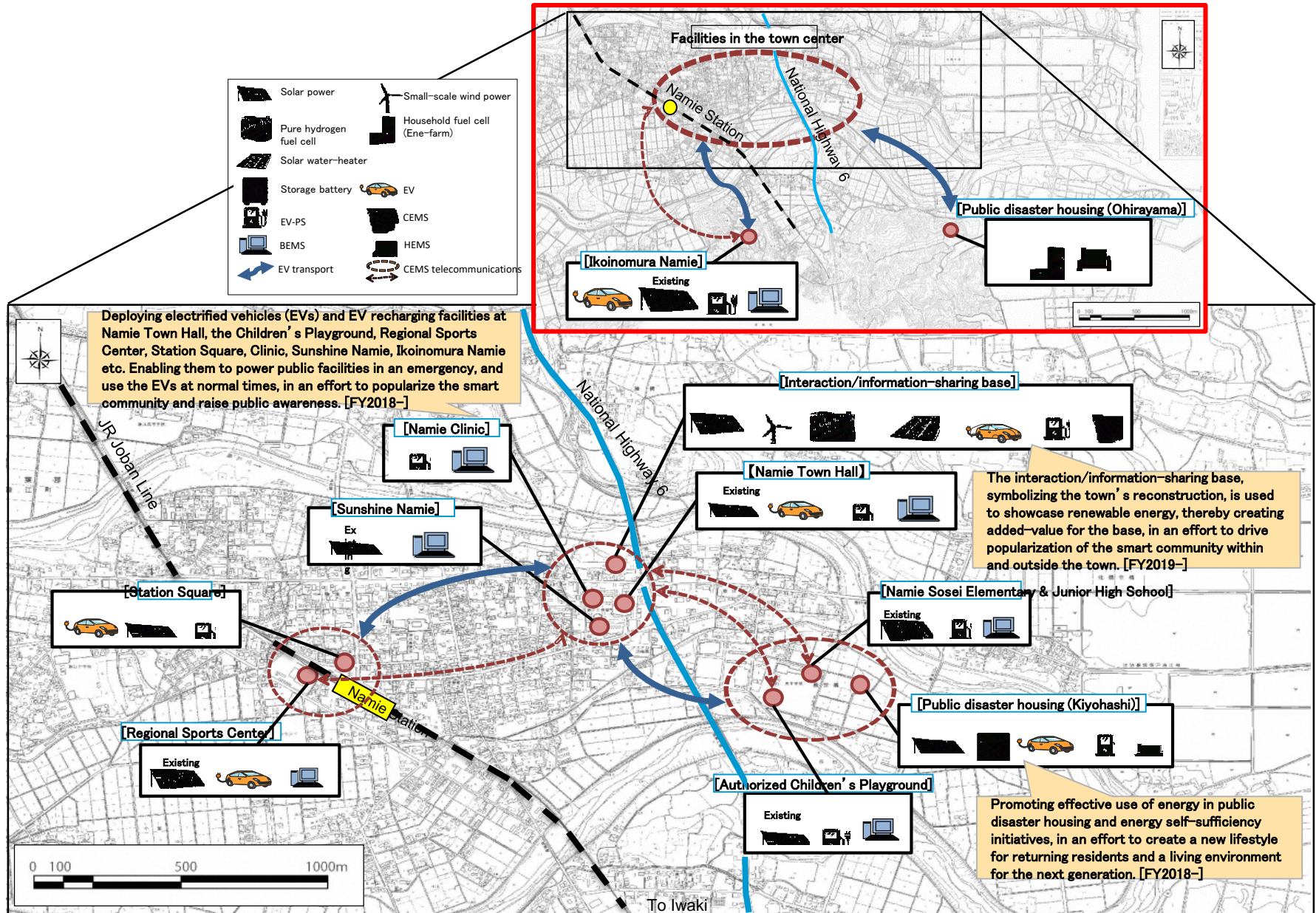


Wind power (planned)



Wave power (planned)

Building Smart Communities



Hydrogen Town Namie なみえ水素タウン構想

《Notes》

- ◎ Already Installed
- Under Considering
- Ideas

【Business】

- Hydrogen Tourism FS

【Business】

- ◎ Pure Hydrogen FC and Display of the New Mirai at Road Station Namie

Joban Highway
Namie Interchange

【Industry】

- ◎ Hydrogen Pipeline Supply Demonstration Project at Former Namie junior High School

【Business】

- Multi Hydrogen Station FS

【Education • Welfare】

- Pure Hydrogen FC at Day-Care Center

【Business】

- Pure Hydrogen FC at Hot Spring

【Business】

- ◎ Co-op's Hydrogen Delivery FS

Namie Station

- ◎ FCV
- Hydrogen promotion and awareness activities

【Education • Welfare】

- ◎ Hydrogen Classroom at Namie Sosei Elementary and Junior High School

【Marine】

- FC Fishing Boat
- Pure Hydrogen FC

- 【transportation】
- FC Bus

FC Bus
Town Tour

【Agriculture】

- FC Agricultural Machinery
- FC at Plastic Greenhouse

Transportation
by FC Mobility

To Futaba-Town

To Minamisoma-city

- 【Transportation】
- FC Dump Truck
- FC Truck

【Industry】

- Hydrogen Pipeline Supply at Tanashio Industry Park

【Industry】

- Concept for an Industry Park with 100% Renewable Energy



By Connecting All Fields with Hydrogen, We will Dramatically Promote the Use of Hydrogen and Realize a Zero-Carbon City.

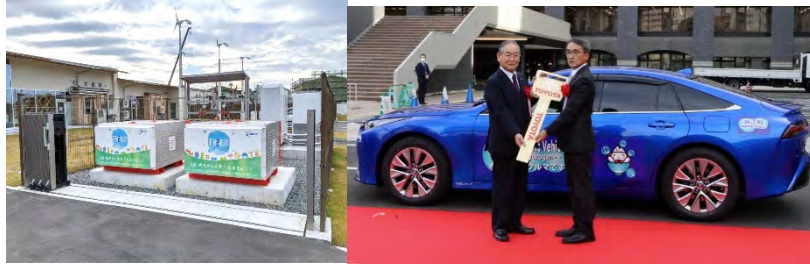
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【Education】

- FC Bus at Reconstruction Memorial Park

Efforts towards Realizing a Hydrogen-based Society

We are working on various efforts towards realizing a hydrogen-based society.



《Introducing FCs to public facilities
and FCVs as official vehicles》



《Introducing various FCVs is under consideration》



《Awareness-rising activities for children》



《Working on tourism businesses using hydrogen》



《Namie-produced hydrogen used
in Tokyo Olympic torch》



《Building and street design incorporating hydrogen, with
architect Kengo KUMA》



《Declaration of
Municipal Partnership
for Hydrogen
Advancement of Smart
Sister Cities
between
Namie Town and
Lancaster》

In conclusion

Namie Town will do its best to utilize hydrogen as a new energy source for the reconstruction of the town.

We appreciate your support, cooperation and suggestions.

Ukedon

Namie Town mascot



**Thank you very much for
your attention!**