

# Chiba City's Measures Towards Becoming a Resilient City

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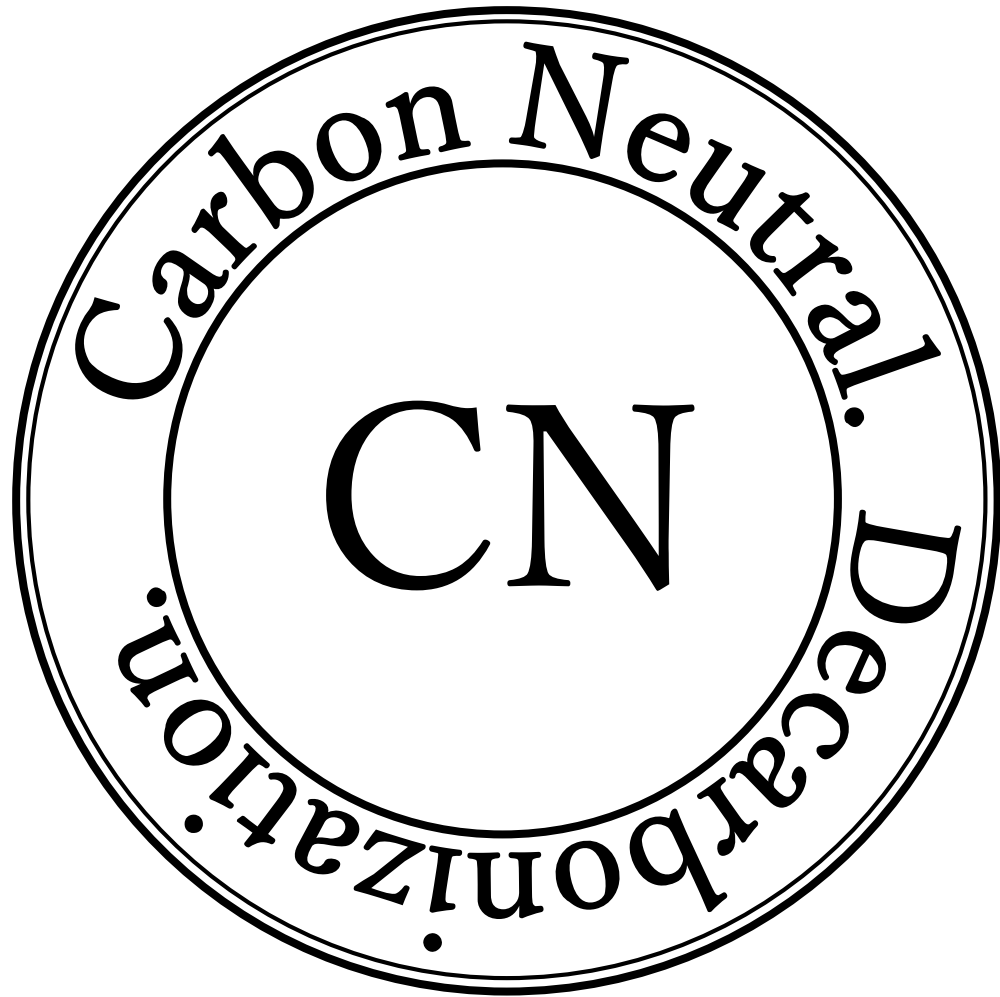


# Chiba City: Brief Outline

- Population: 978,021 (2021 statistics)
- Area: 271.78 km<sup>2</sup>







× Resilience

# Typhoon Damage (2019)



The typhoon caused damage to roofs of houses, trees to fall over, etc. In addition, a large area of the city experienced power outages for extended periods of time, greatly impacting the lives of the citizens.



Fallen tree caught against some power lines



Area around the station submerged in water



Fallen tree caught against some power lines



Road blocked off due to a landslide<sub>4</sub>

# Formulation of a Policy Package (project planning)

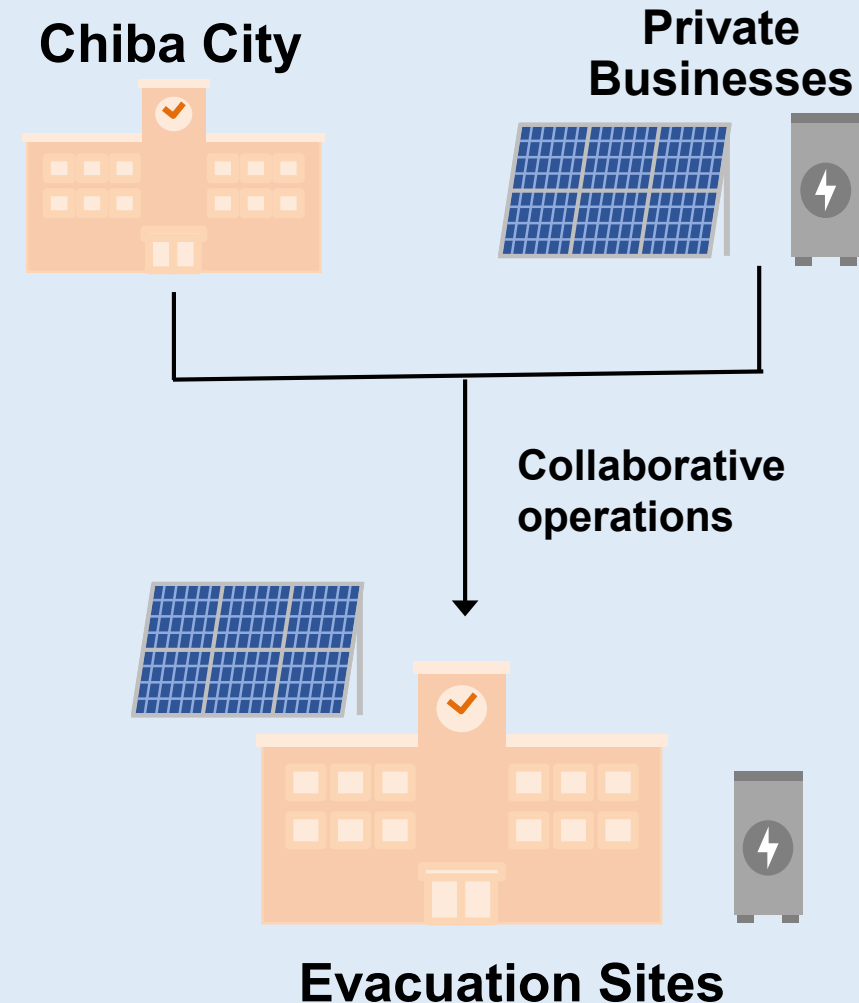


## Policy Package for a Chiba City Strong against Natural Disasters (2020)

- ① Improving the resilience of electric power
- ② Strengthening of communications networks
- ③ Improved measures against flooding, landslides, etc.
- ④ Ensuring safety and security during times of emergency
- ⑤ Expanding partnerships with private business owners



## Power Purchase Agreement (PPA) Model Project (from 2020~)



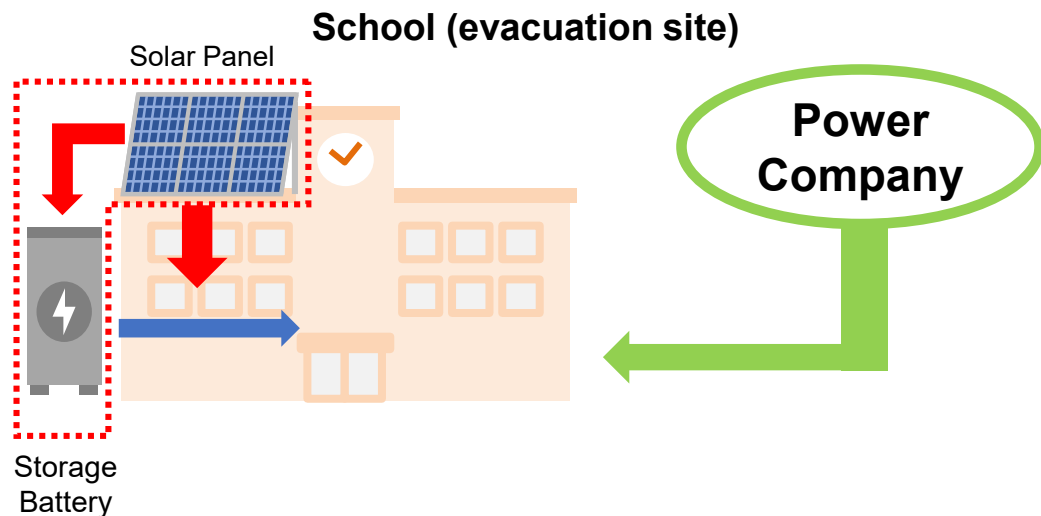
# Chiba City Onsite PPA Projects



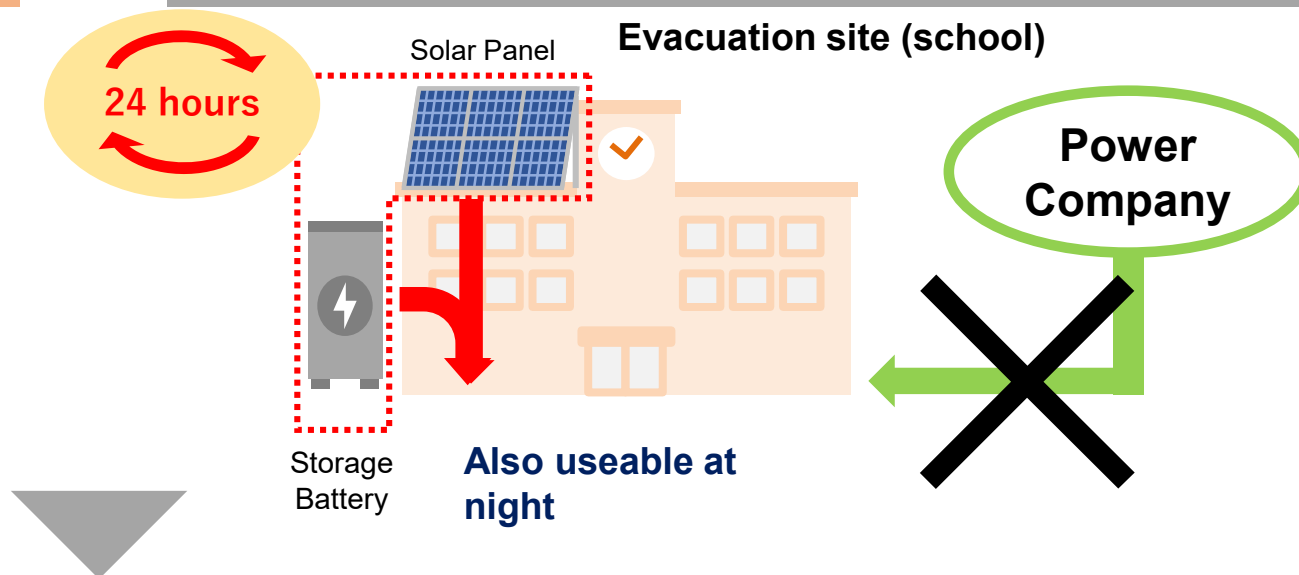
## Characteristics

- Simultaneous implementation of the reduction of carbon dioxide emissions and the improvement of resilience (maintaining power during power outages).
- Cooperating with private businesses for equipment installation and for management and operations, at no extra cost to the City.

### Normal Periods



### When Disaster Occurs



- Amount of renewable energy introduced: approx. 7 megawatts (117 facilities)
- Estimated reduced CO2: approx. 4,000 t-CO2 (117 facilities/year)



# Status of equipment currently installed



← Solar panels

PCS, storage batteries →



Thank you for  
listening.

