

# Renewable Energy Policy of Kitakyushu City



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# Outline of Kitakyushu City

Kitakyushu City



## < History as an environmental leading city >

- 1901: State-owned Yawata Steel Works (currently Nippon Steel Corporation) began operations.
- 1960's: Faced serious pollution problems such as air and water pollution
- 1980's: Citizens, universities, businesses, and government worked together to overcome pollution
  - Selected as a "City of Starry Skies" by the then-Environment Agency
- 2017 Received a Special Award of the first Japan SDGs Award by the national government
- 2018 Selected by OECD as a model city for its Model Cities and Regions for the SDGs programme, for the first time in Asia
- 2018 Selected as "SDGs Future City" of the first round of selection in Japan
- 2022 Selected as a "Decarbonization Leading Area " by the Ministry of the Environment

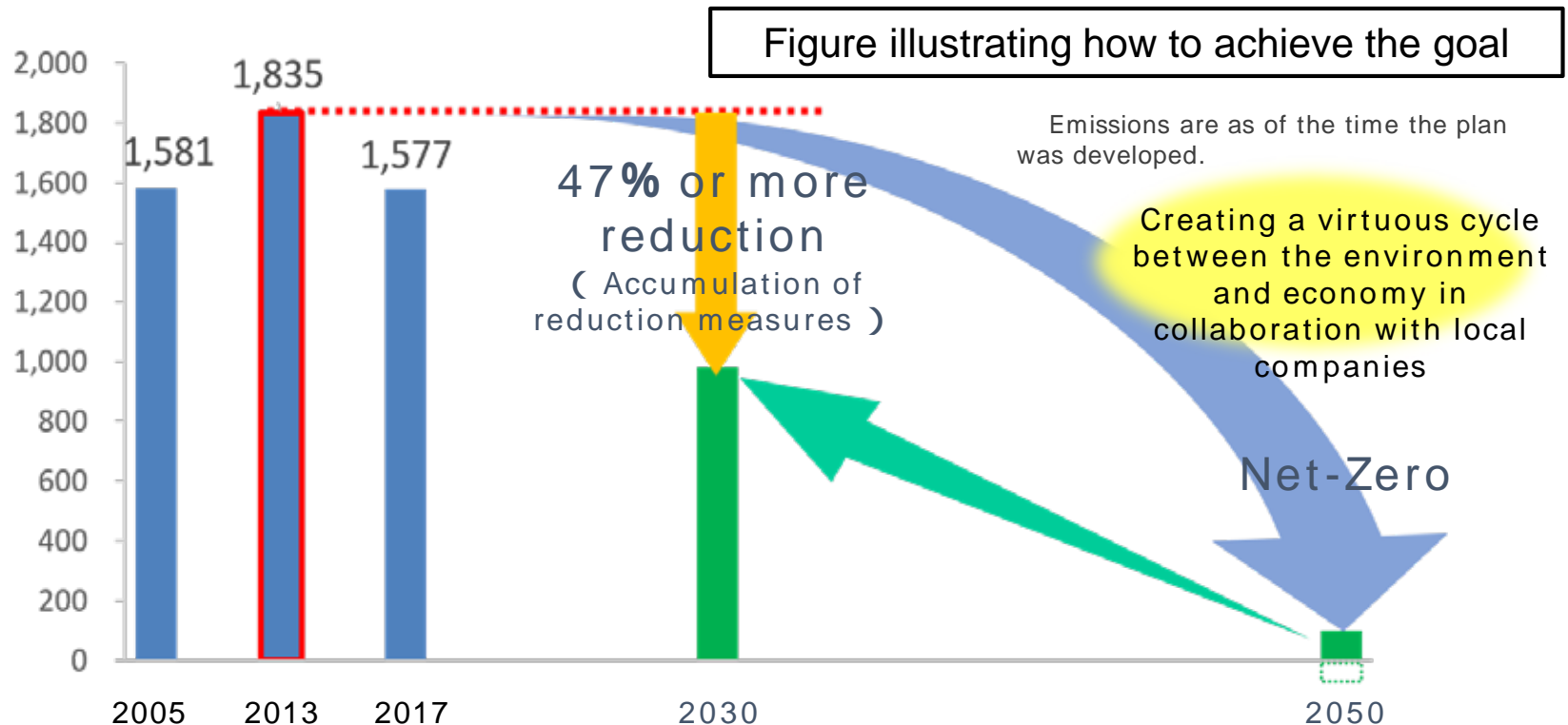
# GHG Reduction Goal of Kitakyushu City

FY2050 ( Goal )

Achieving **net-zero greenhouse gas emissions** in the city

FY2030 ( Goal for achievement Target)

**47% or more reduction** from FY 2013 levels



# Actions at the Decarbonization Leading Area

## 【Decarbonization Leading Areas (DLAs)】

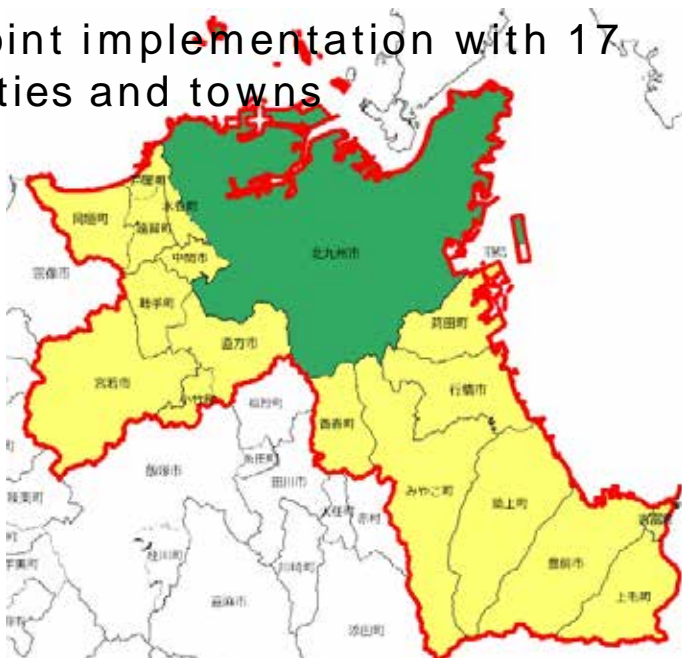
The Ministry of the Environment designates at least 100 DLAs by 2025 which **demonstrate carbon neutrality in households and business sectors by FY2030**, 20 years earlier than 2050. Kitakyushu city was designated as a DLA in 2022.

## 【Actions at the DLA】

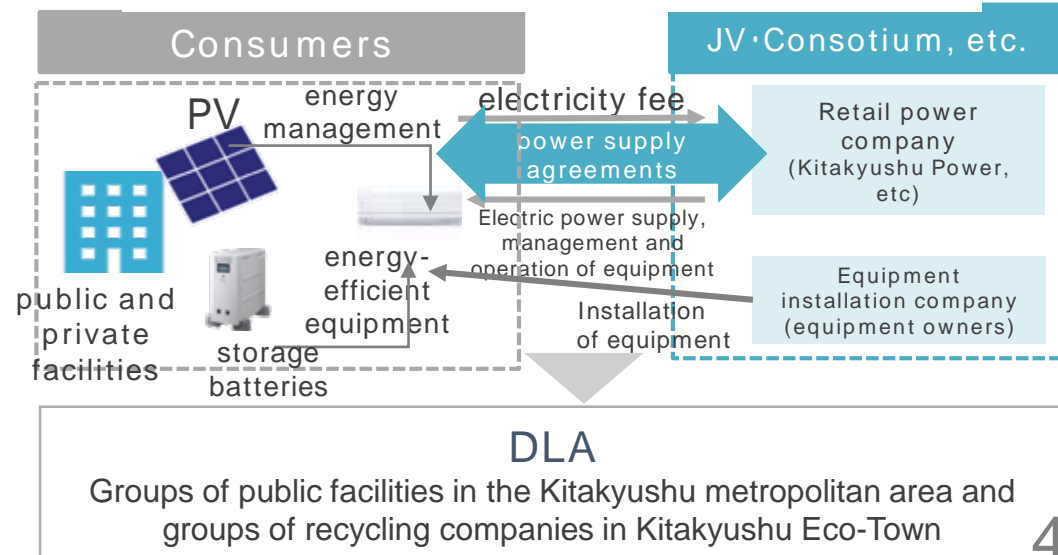
**Introduce a third-party ownership model for PVs/storage batteries to all facilities where solar panels can be installed, targeted at a group of public facilities in the Kitakyushu area and recycling companies in the Kitakyushu Eco-Town.**

**【Member】 City of Kitakyushu + 17 cities and towns in the Kitakyushu metropolitan area (Cities of Nogata, Yukuhashi, Buzen, Nakama, Miyawaka; towns of Ashiya, Mizumaki, Okagaki, Onga, Kotake, Kurate, Kawara, Kanda, Miyako, Yoshitomi, Koge, Chikujo)**

Joint implementation with 17 cities and towns



Introduction of PVs with the third-party ownership model



# Local Production and Consumption of Renewable Energy and Energy Management by PPS

## Kitakyushu Power (PPS)

Established in December 2015, as only one power producer and supplier (PPS) in Kitakyushu City



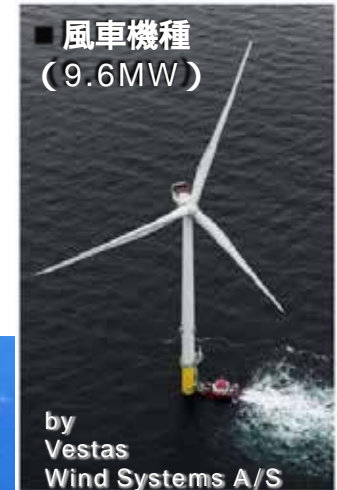
- | Establishment: December 2015
- | Capital: JPY 60 million
- | Services: electricity retail and energy management services
- | The City of Kitakyushu contributed 21.6% of its capital.

Strengthening the competitiveness of companies through local production for local consumption of renewable energy by supplying clean electricity generated at **three waste incineration plants** in Kitakyushu City and **renewable energy** such as solar, wind, and biomass power generation (**655 MW, the highest level among ordinance-designated cities**) accumulated in the Hibikinada waterfront area to customers in the city.



# Offshore Wind Farm

- n **Name** Kitakyushu Hibikinada Offshore Wind Farm
- n **Business entity** HibikWind Energy Co., Ltd.
- n **Total Project Cost** JP¥70 billion
- n **Total output** Max. 220,000kW ( 9.6MW × 25 unit )  
which will be the largest offshore wind farm in Japan upon its completion
- n **Start of construction** March 2023



# Base port market

( Port of Kitakyushu only one base port in West Japan )



An aerial photograph of an offshore wind farm. Numerous wind turbines are visible, stretching across the horizon. In the foreground, a small white service vessel with a red flag is moving away from the viewer, leaving a white wake in the blue water. The sky is a pale blue with some light clouds. The text "Thank you very much" is overlaid in the center of the image.

Thank you very much