

Activities for Zero-Carbon Society and City-to-City Collaboration in Kawasaki City

1. Activities for Zero-Carbon Society in Kawasaki City
2. City-to-City Collaboration with DKI-JKT

Kawasaki City

1. Activities for Zero-Carbon Society in Kawasaki City

Kawasaki City

- As the core city of one of Japan's leading industrial areas, it supports Japan's economic growth.
- The city has a track record and knowledge of citizens, enterprises, and government on overcoming pollution, and has attracted many companies with excellent environmental technologies.



Area(km ²)	144.35
Population	1,538,825

(As of 1/1/2022)

Background

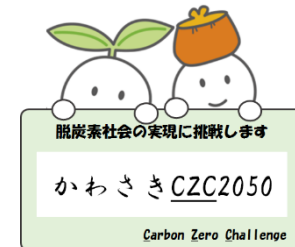
1. *Impact of climate change*
2. *Trend inside and outside Japan, and in industrial sector towards climate change*
3. *Current status of Kawasaki City*

Declaration of 2050 Zero Carbon City
(Feb 2020)

Activities for Zero-Carbon Society

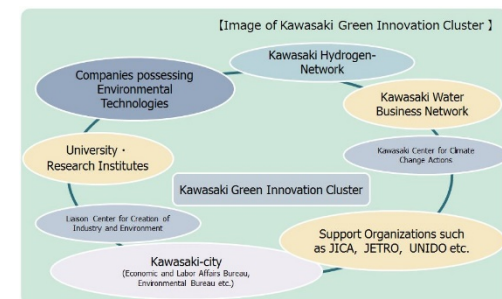
Policies

1. Kawasaki Carbon-Zero Challenge 2050 (Nov. 2020)
2. Basic Plan for Promotion of Global Warming Countermeasures (revised) (in or after 2022)



Industry-Academic-Government-Private Sector Collaboration

1. Kawasaki Green Innovation Cluster
2. Kawasaki International Eco-Tech Fair

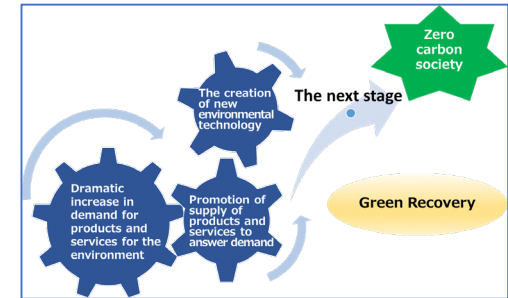


1. Activities for Zero-Carbon Society in Kawasaki City

Policies

1. Kawasaki Carbon-Zero Challenge 2050

A Zero-Carbon strategy including 2030 milestone, basic concept, pioneering activities etc. to achieve Zero Carbon in 2050



Pillar 1

To implement mitigation and adaptation measures by cooperating with several actors such as citizens and enterprises

Pillar 2

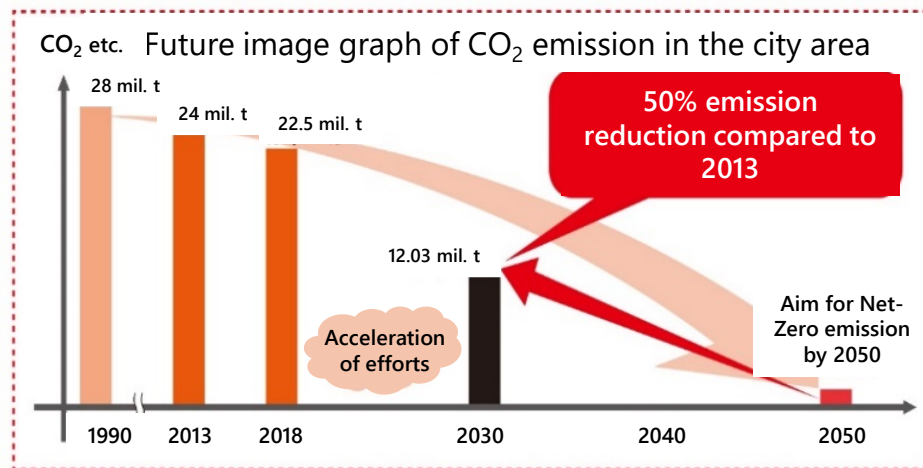
Kawasaki City Government takes an initiative

Pillar 3

To promote innovation by taking an advantage of accumulation of environmental technologies and industries

2. Basic Plan for Promotion of Global Warming Countermeasures (revised)

Setting targets for 2030 through back-casting approach to achieve a Zero-Carbon society in 2050



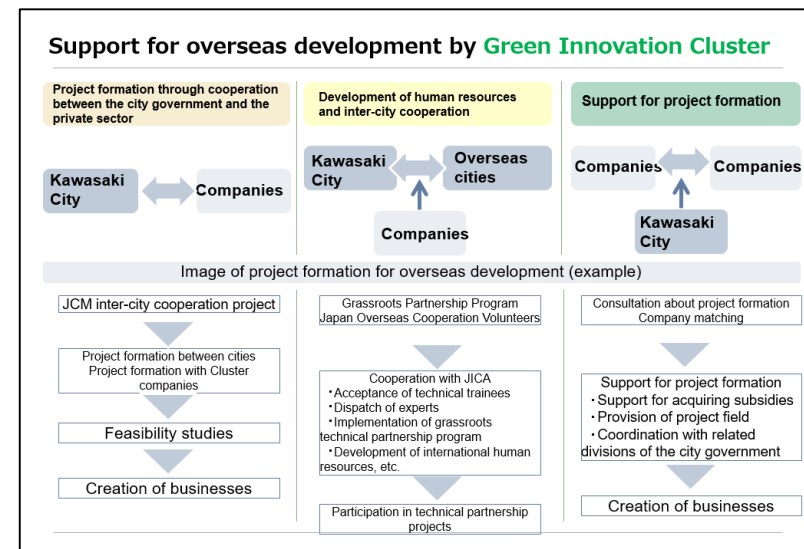
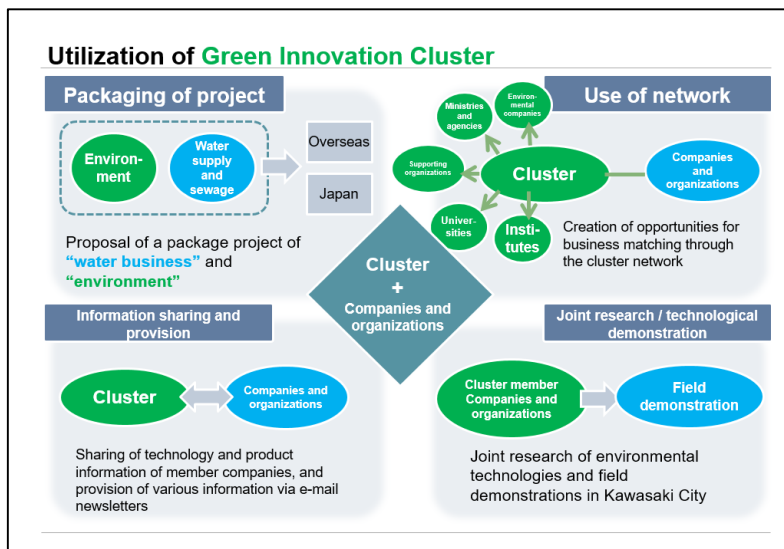
Items	Target for 2030	
	Compared to 1990	Compared to 2013
The whole Japan	▲ 40 %	▲ 46 %
Kawasaki City Area	▲ <u>57 %</u>	▲ <u>50 %</u>

1. Activities for Zero-Carbon Society in Kawasaki City

Industry-Academic-Government-Private Sector Collaboration

1. Kawasaki Green Innovation Cluster

The network aiming to formulate new society by implementing environmental improvement with industry-academic-government collaboration promoting “industrial development” and “international contribution”



2. Kawasaki International Eco-Tech Fair

- Dates: November 16 - 26, 2021
- Theme: The New Face of Kawasaki Designed by Carbon Neutrality
- Methodology: Online (face-to-face business meetings were held)
- Results: 127 exhibiting organizations, 12,004 visits to booths, 340 business matching events



2. City-to-City Collaboration with DKI-JKT

Flow of City-to-City Collaboration between DKI-JKT and Kawasaki City (MOEJ Project)

FY2017 City-to-City Collaboration Project (2017.9~2018.3)

Letter of Intent (LoI) on Technical Cooperation for Zero Carbon Development (2019.3.22)



FY2019 City-to-City Collaboration Project (2019.9~2020.3)

FY2021 City-to-City Collaboration Project (2021.9~2021.3)

FY2018 City-to-City Collaboration Project (2018.4~2019.3)

Applied for FY2019 JCM model project (2019.8)

FY2020 City-to-City Collaboration Project (2020.8~2021.3)

※JCM: Joint Crediting Mechanism

Outline of the City-to-City Collaboration Project in FY2021

【Basic Policy】 The project aims to realize Green Innovation and Zero Carbon City in DKI-Jakarta. Feasibility study for JCM Model Project formulation and Intercity collaboration activities regarding "Clean Energy", "Green Industry", "EV bus", and "SDGs" plan to be implemented.

1. Inter-city Collaboration Activities

SDGs and Zero Carbon actions

Collaboration for Green Recovery

Update LoI

2. Feasibility Study for JCM Project Formulation



Hydrogen energy system in remote islands



EV bus in DKI-JKT



IoT/ EMS for optimization of EV bus's charging



Steam-driven air compressor for food factory

2. City-to-City Collaboration with DKI-JKT

Activities of the City-to-City Collaboration Project in FY2021

1. Inter-city Collaboration Activities

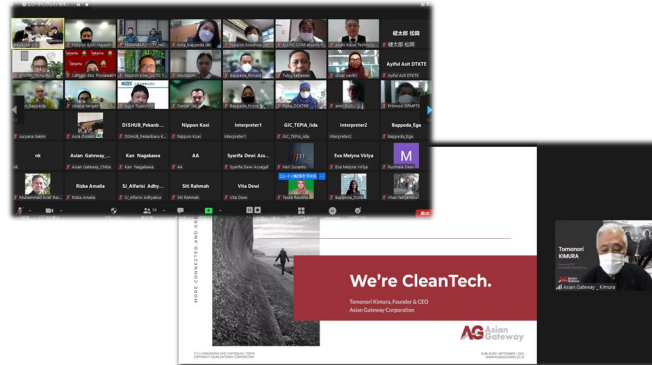
SDGs and Zero Carbon actions

Online Workshop between DKI-JKT and Kawasaki City



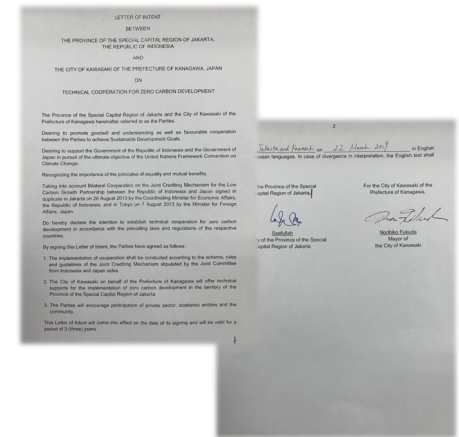
Collaboration for Green Recovery

Online Business Matching Seminar between DKI-JKT and GIC members



Update Lol

Update Lol in process



2. Feasibility Study for JCM Project Formulation



Hydrogen energy system in remote islands

Conducted a study on the introduction of hydrogen energy in island areas of DKI-JKT.



Hydrogen energy system (Enoah Inc)



EV bus in DKI-JKT

Prepared for participation in TransJakarta's BEV bus introduction plan.

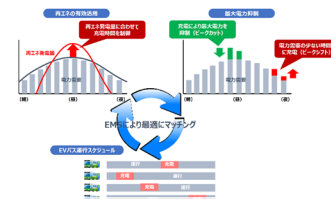


EV bus (HINO)



IoT/ EMS for optimization of EV bus's charging

Conducted a study on the possibility of introducing EMS, mainly BEV bus charging



EMS (CSD Co., Ltd.)



Steam-driven air compressor for food factory

Studied the possibility of introduction through the interviews with factories around DKI-JKT.



Compressor (Miura Co., Ltd.)

Thank you for your kind attention

