

Kawasaki City's Decarbonisation projects and funding schemes

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Basic information on Kawasaki City

Population: approx. 1.54 million

Number of households:
approximately 760,000.

Surface area: approx. 144km².

***The city's population will peak at 1,605,000 in 2030**, and civilian activity is expected to increase in the foreseeable future.

Advantages of a good location in the metropolitan area



15 minutes to Haneda Airport.

18 minutes to Tokyo Station.

10 minutes to Yokohama Station.

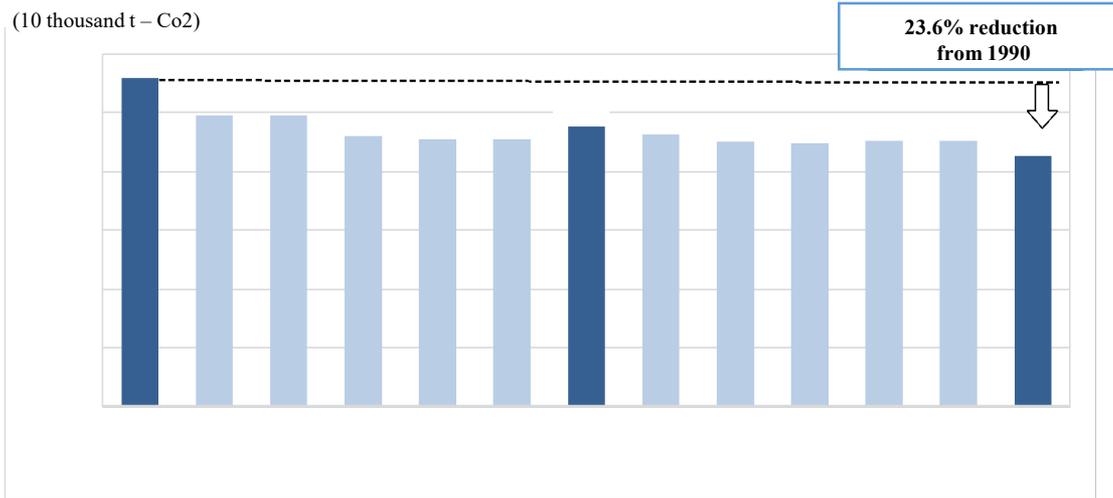
Compared to other major cities (government-designated cities and Tokyo ward areas)

We are :

- Ranked **No. 1** for 'ratio of natural increase'(0.08%) [for **35 consecutive years**].
- Ranked **No. 1** for "shipment of manufactured goods per employee, etc." (¥90.86 million) [for **46 consecutive years**].

Greenhouse gas emissions in the city region

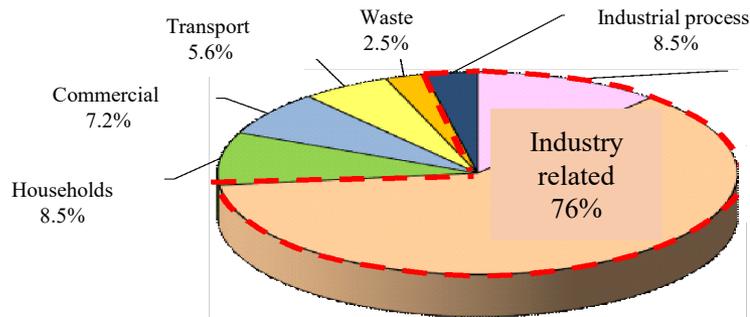
● Greenhouse gas emissions in the city region.



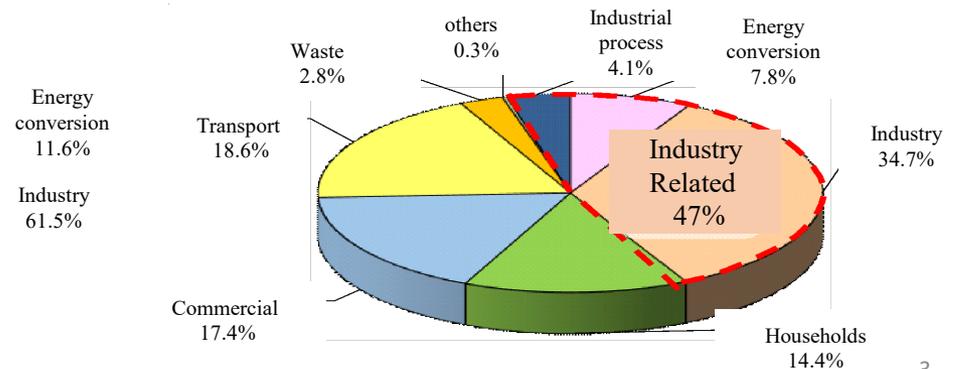
GHG emissions in 2019 (provisional figures) were 21.39 million t-CO2
* -23.6% compared to FY1990

● Sectoral composition of carbon dioxide emissions.

Kawasaki City (provisional figures for 2019)



National figures (2019)



Kawasaki City Targets

川崎市は持続可能な開発目標(SDGs)を支援しています。

(1) Goals to be achieved in 2050.

Aim for **virtually zero** greenhouse gas emissions in the city region by 2050

(2) Overall target for 2030 (citywide)

City-wide target **-50%** reduction (compared to 2013)

(3) Renewable energy introduction targets for 2030.

Targets for the introduction of renewable energy in the city area

Introduction of more than **330,000 kW** by FY2030

(FY2020 result: 200,000 kW)

Priority projects (five major projects)

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Of the 40 measures positioned in the basic plan, 'five major projects' which are highly effective, are positioned as priority projects and are being promoted.

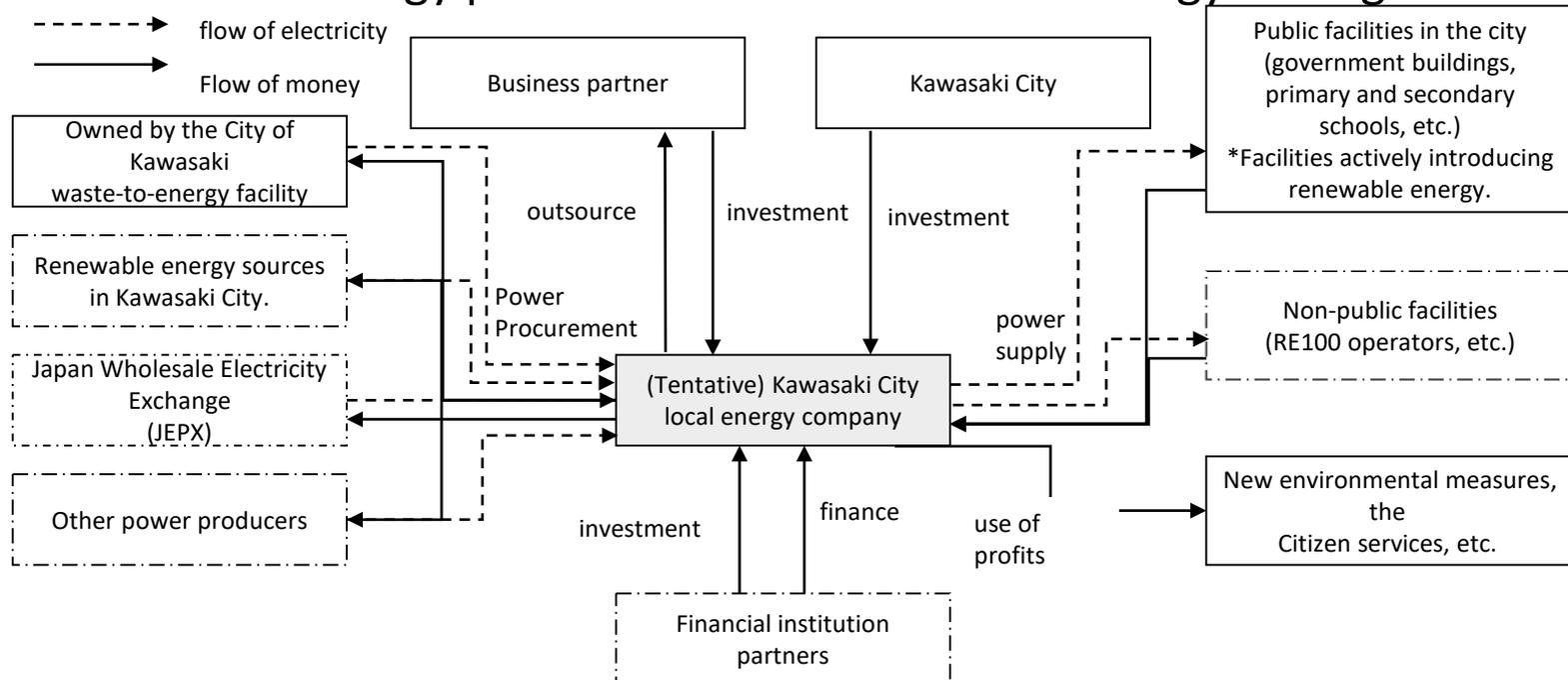
No.	Project	Main initiatives
PJ1. alternati energy 	PJ to promote local renewable energy through the establishment of a new platform with a regional energy company at its core.	Establishment of a new platform with a regional energy company at its core.
PJ2.  industrial	PJ for carbon neutralisation of the Kawasaki waterfront area and promotion of green innovation in city industries.	Promotion of initiatives based on the Kawasaki carbon-neutral industrial complex concept , and consideration of a new evaluation and support system for businesses.
PJ3.  consumer goods	PJ to promote behaviour change of citizens and businesses, diffusion of renewable energy, etc.	Promotion of initiatives in decarbonisation leading regions and consideration of mandatory systems for the introduction of renewable energy.
PJ4.  traffic system	PJ for the promotion of next-generation vehicles and other vehicles for the decarbonisation of the transport environment.	Consideration of preferential measures, etc. for the expansion of EV/FCV stations
PJ5.  city hall	PJ for decarbonising public facilities, including the introduction of 100% renewable electricity in municipal public facilities.	Installation of 100% renewable electricity in all municipal public facilities by 2030

Project 1.

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Establishment of a regional energy company

- Established to build a momentum for creating a virtuous circle of renewable energy in the city of Kawasaki by using municipal waste power generation and other sources. And to eventually become a leading company for regional energy policies.
- In addition to being an electricity retailer, the company is also a developer for renewable energy power resources and offers energy management services.



Project 2.

川崎市は持続可能な開発目標(SDGs)を支援しています。

Kawasaki carbon neutral industrial complex concept.

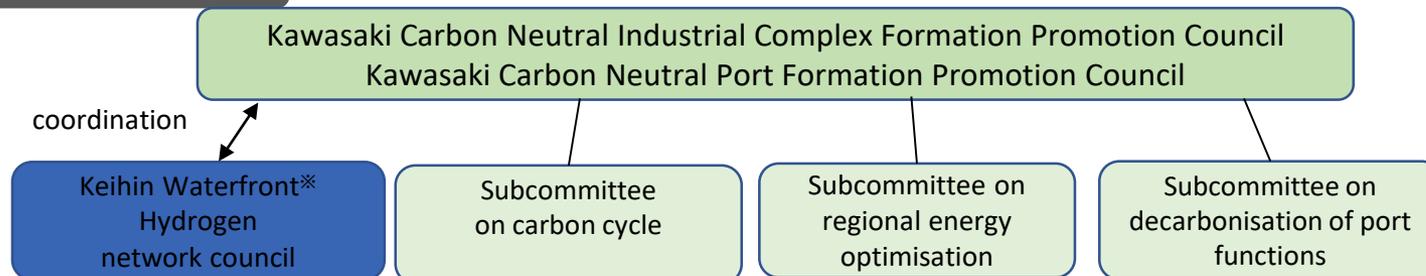
- Challenges posed as we move towards carbon neutrality.
- May accelerate decline of major waterfront industries
- Intensify inter-regional competition in the new energy industry.
- Increase in idle land due to decline of existing industries.
- Decline in the function of the industrial complex due to the expansion of non-associated industries.
- ⇒ Decrease in industrial competitiveness, significant decrease in tax revenues.

- Promote efforts to realise the the future vision of the waterfront area after sharing the vision with relevent companies etc.
- Develop a new industrial complex which will lead Japan in terms of carbon neutrality.

Matters for consideration

- Study and identify issues to be addressed by 2050 and 2030 towards the formation of carbon-neutral industrial complex and carbon-neutral ports.
- Creation of projects through business-to-business cooperation to make waterfront areas carbon neutral.

Organizational structure



Project 3.

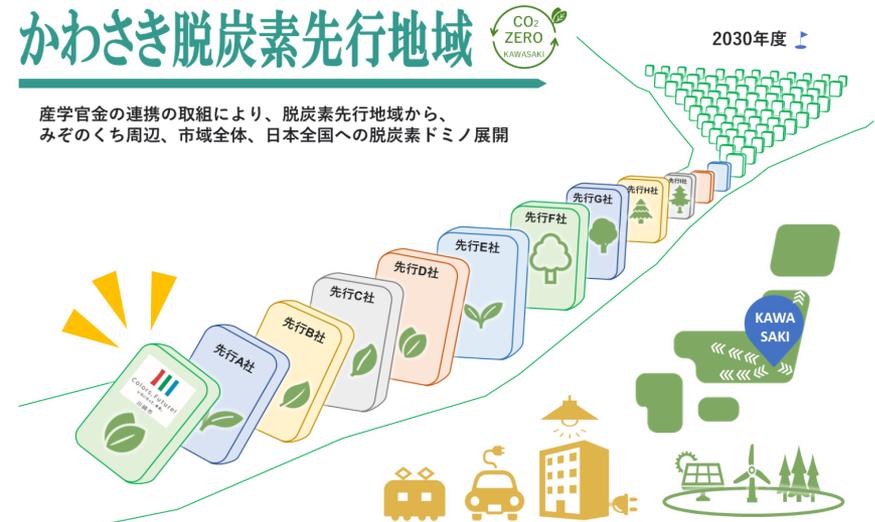
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Initiatives in decarbonisation model areas

Promoting initiatives by working together with citizens and businesses to make the Mizonokuchi area in Takatsu ward a model decarbonisation area.

Selected as a 'decarbonisation leading region' by the national government, and is aiming to reduce CO₂ emissions originated from electricity consumption in the civilian sector to virtually zero by 2030.

Promote initiatives with stakeholders to become a model for the nation using government grant (up to 5 billion yen over five years)



When promoting a project

Our Project Goals are:

Of course, the **promotion of** individual experimental **projects** is important.

...but the most important thing is to see the outcomes from the experimental projects **are actually implemented in our society.**

What does having a project actually implemented in our society mean (per stakeholder)? :

For citizens: behavioural change occurs due to the convenience they enjoy

For businesses: experimental project becomes commercial, and profit are gained

For the government: the mechanism is developed and institutionalised

- It is not easy for an experimental project to be actually implemented in the society
- Seamless, timely and accurate input of resources (people, goods, money, knowledge, etc.) is particularly important for it to happen.

Examples of funding to support Kawasaki City's projects

Project (1) Establishment of a regional energy companies

- Call for interested parties to become business partners of the municipality-funded company (including investors).
- Call for financial institutions to invest and provide loans.

Project (2) Kawasaki Carbon Neutral Industrial Complex Concept

- Encourage investment by the private sector.
- Try to obtain state subsidies, etc.

Project (3) Initiatives in decarbonisation model areas

- Use of national grants (eg. selection as a "decarbonisation leading region")
- Investment by the private sector.
- Utilize crowdfunding and other financial mechanisms.