

The 20th Kawasaki International Eco-Business Forum

# Kawasaki City's Initiatives to Promote Decarbonizing Management

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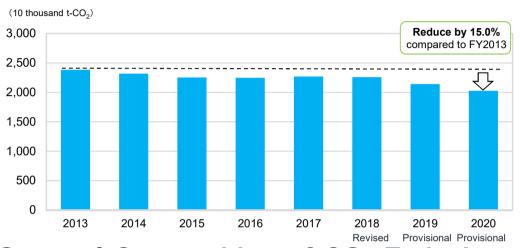
Decarbonization Strategy Promotion Office, Environmental Protection Bureau, Kawasaki City

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# Greenhouse Gas Emissions in Kawasaki City

## Greenhouse gas emissions in the city region



Emissions (provisional figures) in FY2020 were 20.26 million t-CO<sub>2</sub> \*-15% compared to FY2013

Industrial

process

4.1%

Energy

conversion

Industry

2

34.1%

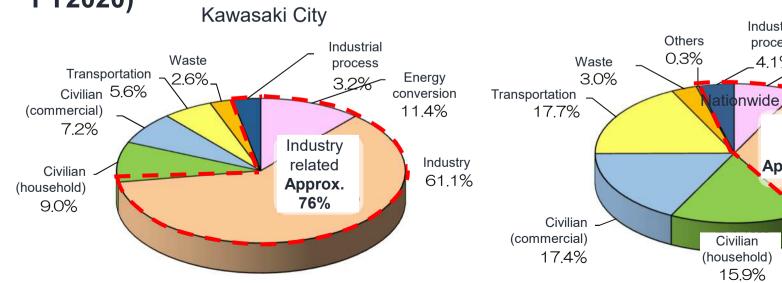
7.5%

Industry

related

Approx. 46%

# Sectoral Composition of CO<sub>2</sub> Emissions (provisional figures for **FY2020)**





# Basic Plans to Promote Kawasaki City's Global Climate Change Mitigation

## **Future Vision**

Aiming for a net of zero emissions of greenhouse effect gases across the city in 2050

# Target for 2030

City's overall target: Reduce by -50% (compared to FY2013)

<Respective target>

Civilian: Reduce by at least -45%, Industry: Reduce by at least -50% City Hall: Reduce by at least -50%

Renewable energy target: Introduce at least 0.33 million kW

# The Big Five Projects

No.	Project name	Major initiatives
PJ1 Renewable energy	PJ to promote the spread of renewable energy in the region by establishing 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 Industry	PJ to promote carbon neutrality in coastal areas in Kawasaki and green innovation in the industry in the city	Promotion of initiatives based on the Kawasaki carbon neutral complex scheme, consideration of new assessment / support system for business operators
PJ3 Civilian	PJ to promote behavioral change of citizens and businesses and to accelerate the spread of renewable energy	Promotion of initiatives in the regions that lead the way in decarbonization, and consideration of mandatory systems for the introduction of renewable energy
PJ4 Transport	PJ to promote a next-generation automotive for decarbonization in the transportation	Consideration of preferential measures for expansion of EV/FCV stations
PJ5 City Hall	PJ for decarbonization of the public facilities, by introducing electricity derived from 100% renewable energy	Introduction of electricity derived from 100 % renewable energy in all public facilities in the city by FY2030



# Promotion of Decarbonizing Management (1)

## Business Activity Decarbonization Action Plan and Reporting System: enacted in April, 2024

Kawasaki City will specify the assessment items that contribute to the 2030 CO<sub>2</sub> reduction and the 2050 zero carbon, and require the relevant businesses to submit action plans and reports

#### **Obligated** businesses

- 1: Businesses that use 1,500kL or more (crude oil equivalent) per year
- 2: Businesses and the relevant chain business operators that use 1,500kL or more (crude oil equivalent) per year
- **3**: Businesses that own **100 or more vehicles**
- 4: Businesses that emit 3,000t-CO₂ or more greenhouse effect gases other than CO₂

[Assessment axis (1)]

Achievement of FY2030 CO<sub>2</sub> emission goals

#### Assessment items (1)

- 1. Emissions of greenhouse gases (only the most recent figures)
- 2. Emissions of greenhouse gases (including the past figures)
- 3. Energy saving
- 4. Renewable energy / electrification
- 5. Automotive

[Assessment axis (2)]

2050 Carbon neutral

#### Assessment items (2)

6. Medium to long term goals/ innovation (including CO<sub>2</sub> reduction efforts across the business operator/ participation in the initiatives, and initiatives such as Scope 3)

#### **Publication of** assessment result

Items to be

included/assessed

The assessment result of the relevant business operators are put into a list and posted on the website for about three years

Simplified version

Aiming to be the system that many business operators can use easily among the items, for example, by only requiring "CO2 emissions reduction" and "Introduction of renewable energy/ electrification".





# Promotion of Decarbonizing Management (2)

# ) パー 川崎CNブランド

### Kawasaki CN Brand

A system to certify "products/techniques" and "services" that contribute to CO2 reduction in the lifecycle

It was started in FY2009 as "Low CO<sub>2</sub> Kawasaki Brand" (126 items certified by FY2022), and was redesigned as "Kawasaki CN Brand" in FY2023

Raw Material Procurement

Use of recycled materials, reduction in the amount of raw materials used, etc.

**Production** 

Improved production efficiency, reduction in energy consumption, etc.

Distribution/Sales

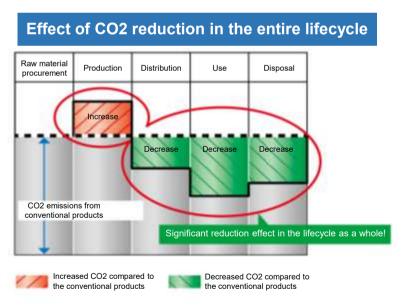
Smaller products, lighter products, etc.

**Use/ Maintenance** 

Reduction in power consumption, reduction in maintenance frequency, etc.

Disposal/ Recycle

Reduction in the amount of disposal (improved recycling rate), change in the disposal method, etc.

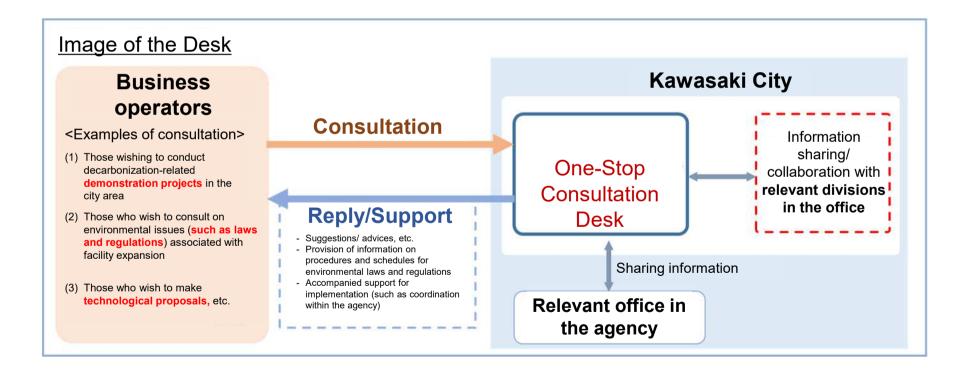




# Promotion of Decarbonizing Management (3)

## One-stop consultation desk for environmental challenges for decarbonization: established in 2022

Established a one-stop consultation desk at the Decarbonization Strategy Promotion Office to accept all environmental questions and issues from businesses working to decarbonize their operations





Support institutions provide support along with experts

# Promotion of Decarbonizing Management (4)

Kawasaki City Consortium for Decarbonization Formation Support: Established in September, 2023

\* A project support by the Ministry of Environment

The support institutions participating in the consortium (mainly financial institutions) explore interest in decarbonizing management through daily communication with companies that are not yet aware of the need to decarbonize SMEs in Kawasaki City interested in decarbonizing management Support menu (1) Support to bring the initiatives into shape Clarification of issued for decarbonizing management Support menu (2) Support for specific initiatives O Visualization of products O Suggestions for improvement O Visualization of organization Support for calculation of Expert advice on energy Simplified emissions calculation carbon footprint conservation and facility tool upgrades **Business Activity Decarbonization Action** Kawasaki CN Brand **Plan and Reporting System** 

> Achieving self-sustaining, decarbonizing management of small and medium enterprises (SMEs)



# Thank you for your attention

# Aiming for reach a net of zero CO<sub>2</sub> emissions

#### Logo of Kawasaki Carbon Zero

Leaves are an image of environmental concern



Two arrows express circulation of resources, energy and carbon

The "Kawasaki Carbon Zero" logo mark expresses the goal of a net zero CO<sub>2</sub> emissions by 2050.

To realize a decarbonized society in 2050, it will be difficult just by extending current efforts, and it is necessary for each individual to take action to promote behavioral change in society and lead to technological innovation for decarbonization. Kawasaki City will continue to take on the challenge of creating a better future with its citizens and businesses.