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**YAMATO
TRANSPORT**

October 16, 2024

Kawasaki City

KAWASAKI MIRAI Energy Co., Ltd

Yamato Transport Co., Ltd.

Local Production and Local Consumption of Renewable Electricity through Public-Private Partnership in Kawasaki City, a Decarbonization Leading Area

Yamato Transport launches 100% renewable energy-powered operations at a local sales office

The City of Kawasaki (Location: Kanagawa Prefecture; Mayor, Norihiko Fukuda), KAWASAKI MIRAI Energy Co.,Ltd (Head Office: Kawasaki-shi, Kanagawa Prefecture; Representative Director and President: Atsushi Ida, hereinafter "Kawasaki Mirai Energy") and Yamato Transport Co., Ltd. (Head Office: Chuo-ku, Tokyo; Representative Director and President: Yutaka Nagao) will realize local production and local consumption of electricity from renewable energy sources through public-private partnership in a region of Kawasaki designated a Decarbonization Leading Area. On Wednesday, October 16, 2024, Yamato Transport's Takatsu Chitose Sales Office began receiving electricity from Kawasaki Mirai Energy, beginning its operations as an office using 100% renewable electricity. This marks the first time that Kawasaki Mirai Energy has supplied renewable electricity to a private company.



Tachibana Processing Center, Kawasaki City



Exterior view of Yamato Transport's Takatsu Chitose Sales Office

1. Background and Objectives

The Japanese government is aiming to achieve regional decarbonization*¹ that contributes to local

development to improve the attractiveness and quality of local communities, with the final goal of a decarbonized society by 2050. Local production and local consumption of renewable electricity, a local resource, offers greater regional economic balance due to creating local jobs and utilizing local capital.

Kawasaki City has formulated the Kawasaki Carbon Zero Challenge 2050, a strategy to realize a decarbonized society in 2050, and was selected as a Decarbonization Leading Area^{*2} by the Ministry of the Environment in 2022. In order to intensively address decarbonization in Kawasaki's Takatsu Ward, the city is engaged in a program called Decarbonization Action Mizonokuchi^{*3} together with Yamato Transport and other private companies. In particular, to promote the spread of renewable electricity and local production for local consumption in the city, the city is working to install solar power generation equipment in private establishments and other facilities.

Kawasaki Mirai Energy is a company invested in and established by the City of Kawasaki and seven business operators in October 2023 for the purpose of promoting local production and local consumption of renewable electricity in the city, launching business in April 2024. The company works to create local production and local consumption of renewable electricity by procuring electricity generated from the incineration of household waste, mainly at waste treatment facilities in the city, and supplying it to schools and other public facilities in the city.

The Yamato Group is moving forward with various initiatives, including the introduction of EVs and solar power generation equipment, to achieve virtually zero greenhouse gas emissions by 2050. Logistics facilities that operate multiple EVs face many issues, such as increasing power costs due to simultaneous nighttime recharging, the inability to power EVs and sales offices only with solar power, and power generation affected by weather conditions. Now, the public and private sectors will work together to solve all of these problems with the launch of operations at Yamato Transport's Takatsu Chitose Sales Office, which uses 100% renewable electricity.

2. Initiative Characteristics

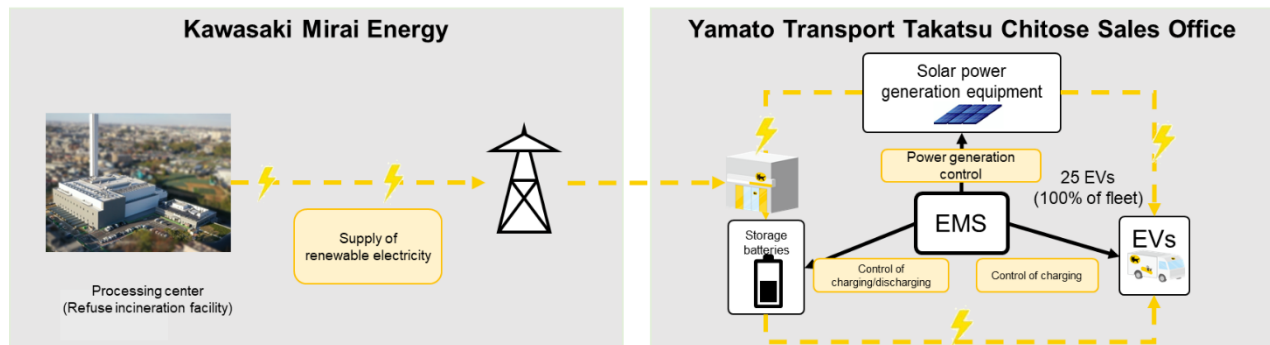
(1) Use of 100% renewable electricity generated in Kawasaki City

The renewable electricity supplied by Kawasaki Mirai Energy is generated from the incineration of ordinary garbage and other waste generated by Kawasaki residents' homes, and the environmental value of this electricity is demonstrated through procurement of certificates designating the electricity as non-FIT (Feed in Tariff), non-fossil and specifically renewable energy-based. At the Takatsu Chitose Sales Office, in addition to the rooftop solar power generation equipment and storage batteries^{*4}, renewable electricity supplied by Kawasaki Mirai Energy and generated within Kawasaki City, will be used to power the building and all 25 EVs used for pickup and delivery operations.

(2) Introduction of Yamato Transport's proprietary energy management system (EMS) optimized for logistics bases

Yamato Transport's proprietary EMS visualizes and automatically adjusts the amount of electricity

used in the sales office, the amount of electricity generated by solar power equipment, and the amount of charge in storage batteries in real time to ensure efficient energy management. Furthermore, by controlling the amount of electricity used during peak recharging periods, the system curbs the increase in electricity costs caused by simultaneous recharging of EVs at night^{*5}.



System illustration

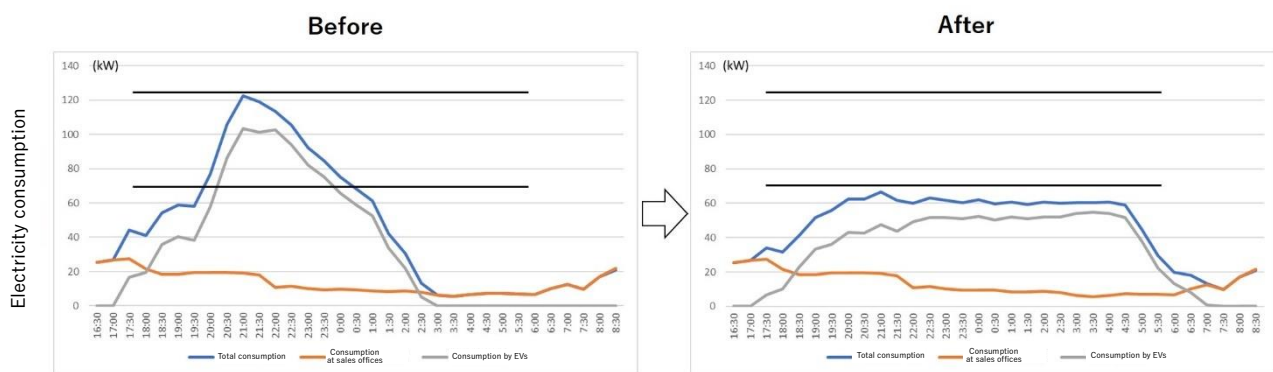


Illustration of power usage under our EMS

3. Sales Office Overview

- (1) Sales office name: Yamato Transport Co., Ltd. Takatsu Chitose Sales Office
- (2) Address: 1-2-54 Higashinogawa, Takatsu Ward, Kawasaki City, Kanagawa 213-0029, Japan
- (3) Hours of operation: 8:00 a.m. to 7:00 p.m.
- (4) Start date of receiving electricity from Kawasaki Mirai Energy: October 16, 2024

4. Looking Ahead

Going forward, we will continue to work together to promote decarbonization initiatives in Kawasaki City and contribute to the creation of a sustainable future city.

*1 "What is Regional Decarbonization," Ministry of the Environment, Regional Decarbonization Support Website
URL: <https://policies.env.go.jp/policy/roadmap/chiiki-datsutan-so/>

*2 "What is a Decarbonization Leading Area," Ministry of the Environment, Regional Decarbonization Support Website
A Decarbonization Leading Area is one that achieves virtually zero CO₂ emissions from electricity consumption in the civil sector (residential and commercial sectors) toward carbon neutrality in 2050, and achieves reductions consistent

with the national 2030 target according to regional characteristics, serving as a model for "decarbonization dominoes in action."

URL: <https://policies.env.go.jp/policy/roadmap/preceding-region/#about>

*3 "Decarbonization Action Mizonokuchi," City of Kawasaki

This program seeks to bring about a decarbonized society through the intensive implementation of familiar and advanced initiatives that contribute to decarbonization in the Mizonokuchi and surrounding areas of Takatsu Ward, and by having people experience the benefits and convenience of the initiatives, thereby promoting behavioral change to an environmentally conscious lifestyle among individual citizens.

URL: <https://carbon0-mizonokuchi.jp/about/>

*4 Solar power generation equipment and storage batteries will be funded by grants from the Decarbonization Leading Area.

*5 Built based on a system developed by Yamato Transport as part of a subsidized project in the Green Innovation Fund Project/Smart Mobility Society Construction by the New Energy and Industrial Technology Development Organization (NEDO)

Contact

Press inquiries:

Matters related to the Decarbonization Leading Area

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TEL: +81-44-200-1222

Matters related to the supply of renewable electricity

KAWASAKI MIRAI Energy Co.,Ltd TEL: +81-44-201-7395

General matters related to this initiative

Corporate Communications, Yamato Transport Co., Ltd.

TEL: +81-3-3541-3411

Reference

- Kawasaki Mirai Energy Press Release

Kawasaki Mirai Energy Launches Supply of Renewable Electricity (April 2, 2024).

URL: <https://kawasaki-mirai-energy.co.jp/news/2024-04-02.html>

- Yamato Transport Press Releases

Yawata Sales Office in Kyoto Becomes Yamato Transport's First to Launch All-EV Fleet, a Model Store for Energy Management (October 2, 2023)

URL : https://www.yamato-hd.co.jp/english/news/2023/pdf/newsrelease_20231002_en01.pdf

- Two Projects Selected as NEDO's Green Innovation Fund Projects for Realizing Green Delivery (July 19, 2022)

URL: https://www.yamato-hd.co.jp/news/2022/newsrelease_20220719_1.html