



March 28, 2024

Transforming into a more ethical vehicle, starting with the entire Odakyu Line,  
as well as trains in Hakone, Enoshima, Kamakura, and Oyama

## The Odakyu Group Transportation Network Begins Operating with Electricity Essentially Derived From 100% Renewable Energy

- The electricity used at the Ebina Head Office will also be changed over on the same day  
to accelerate the reduction of CO<sub>2</sub> emissions through business -

Beginning Monday, April 1, 2024, all of the electricity used in operating the Odakyu Group's Odakyu Line, including the limited express Romancecar, Hakone Tozan Railway, Hakone Tozan Cable Car, Hakone Ropeway, Enoden, and Oyama Cable Car ("target routes") will be essentially derived from 100% renewable energy, reducing CO<sub>2</sub> emissions to virtually zero. Furthermore, Group bus companies plan to introduce approximately 500 electric buses by 2030, further contributing to the realization of a sustainable society through measures to reduce the environmental impact of the Group's business activities.



Odakyu Line "5000 series commuter train"



The symbol indicating the Odakyu Group's carbon neutrality activities

By switching to schemes such as the "Green Basic Plan" provided by TEPCO Energy Partner, Inc., now all electricity used on target routes for train operations, including stations, signals, railroad crossings, and more, will essentially be supplied 100% from renewable energy sources. This will reduce CO<sub>2</sub> emissions by approximately 156,000 t<sup>\*1</sup> per year (equivalent to the emissions of approximately 60,700 ordinary households) and lower emissions to virtually zero. We also plan to introduce approximately 500 electric buses, or about 15%<sup>\*2</sup> of the buses owned by the Odakyu Group, by FY2030, utilizing subsidies from the national and local governments.

(\*1 FY2022 results, \*2 As of March 2024)

In the past, we have promoted the use of public transportation through efforts such as communicating the environmental superiority it has over private cars in terms of equipment and facilities, such as with regard to using less energy, and providing stress-free transportation through efforts aimed at realizing MaaS. In conjunction with this change in power usage, we will establish a new symbol to represent the Group's efforts toward carbon neutrality, displaying it on locations such as the bodies of Odakyu Line trains. By increasing awareness of our environmental impact reduction measures, we hope to increase the opportunities for customers, especially those who aspire toward ethical behavior, to choose public transportation as part of their lifestyles, further reducing CO<sub>2</sub> emissions (and maximizing the impact of these measures).

The same day, we will start an initiative with partner companies to convert food waste discharged from Odakyu Group commercial facilities, etc., in the Ebina area into feed and biomass fuel at a recycling facility instead of being incinerated. All of the power generated by these raw materials will make up a portion of the electricity used at the Ebina Head Office of Odakyu Electric Railway. (Implemented through the "Green Basic Plan")

Our group is promoting initiatives based on “Odakyu Group Carbon Neutral 2050,” action guidelines for addressing environmental issues such as reducing CO<sub>2</sub> emissions through business activities, recycling resources, and conserving and utilizing natural resources.

The details of our environmental impact reduction measures are as follows.

1. Introduction of electricity essentially derived from 100% renewable energy to railways, etc.

(1)	Date of introduction	Monday, April 1, 2024	
(2)	Target routes	Odakyu Odawara Line	Shinjuku - Odawara 82.5km
		Odakyu Enoshima Line	Sagami-Ono - Katase-Enoshima 27.4km
		Odakyu Tama Line	Shin-Yurigaoka - Karakida 10.6km
		Hakone Tozan Railway	Odawara - Gora 15.0km
		Hakone Tozan Cable Car	Gora - Sounzan 1.2km
		Hakone Ropeway	Sounzan - Togendai 4.0km
		Enoden	Fujisawa - Kamakura 10.0km
		Oyama Cable Car	Oyama Cable - Afuri Shrine 0.8km
			<b><u>Total 151.5 km</u></b>
(3)	Overview	<p>We will introduce the “Green Basic Plan (FIT non-fossil certificates)” and “charges with environmental value attached (green power certificates)” offered by TEPCO Energy Partner, Inc., which provide electricity generated from renewable energy sources such as solar, wind, and hydropower with virtually zero CO<sub>2</sub> emissions</p> <p>At the same time, a new symbol representing the Group’s efforts to achieve carbon neutrality will be displayed on each vehicle, as well as Japan Natural Energy Company Limited’s “Green Power Mark”</p>	
(4)	Annual power consumption	<p>Total of “(2) Target routes”: Approx. 345,000 MWh/year</p> <p>*The breakdown is expected to be approximately 342,000 MWh for FIT non-fossil certificates and 3,000 MWh for green power certificates</p>	

2. Introduction of EV buses

(1)	Introduction period	By FY2030	
(2)	Planned number of vehicles	Approx. 500	
(3)	Introducing companies	<ul style="list-style-type: none"> <li>• Kanagawa Chuo Kotsu Co., Ltd.</li> <li>• Tachikawa Bus Co., Ltd.</li> <li>• Enoden Bus Co., Ltd.</li> <li>• Tokai Bus Co., Ltd.</li> </ul>	<ul style="list-style-type: none"> <li>• Odakyu Bus Co., Ltd.</li> <li>• Hakone Tozan Bus Co., Ltd.</li> <li>• Odakyu Highway Bus, Co., Ltd.</li> </ul>
		*The number of planned busses introduced per company (breakdown) has not been disclosed	

### 3. Initiatives related to energy and resource recycling in the Ebina area

(Efforts to generate electricity using incinerated waste from Group facilities and utilize it at Odakyu Electric Railway's Ebina Head Office)

- (1) Overview
- This project aims to reduce our environmental impact by recycling food waste from commercial facilities of the Odakyu Group, including VINA GARDENS OFFICE, together with neighboring partner companies
  - Japan Food Ecology Center, Inc. (Head Office: Sagamihara City, Kanagawa; President: Koichi Takahashi) will convert as much as possible of the above food waste into feed, and the rest will be turned into liquefied raw materials for power generation
  - Sagamihara Biogas Power (Head Office: Sagamihara City, Kanagawa; President: Koichi Takahashi) will generate electricity from methane gas generated by further processing and fermenting the above raw materials
  - All electricity generated here will be purchased through the Green Basic Plan (FIT non-fossil certificates) and used as part of the electricity used by the Ebina Head Office of Odakyu Electric Railway located in the VINA GARDENS OFFICE building, thereby creating a cycle of energy and resources within the Group's businesses
- (2) Start date                      Monday, April 1, 2024

[Reference] Other updates on Odakyu Group Carbon Neutral 2050

#### 1. Introduction of Internal Carbon Pricing (ICP)

- Odakyu Electric Railway will introduce ICP, which converts CO<sub>2</sub> emissions into virtual costs, with the aim of promoting capital investment that leads to reductions in CO<sub>2</sub> emissions, such as with the introduction of energy-saving equipment
- We have set It at 5,000 yen, and we are working to realize a further decentralized society by applying it from the partial review of the capital investment plan during FY2024

#### 2. Updating the roadmap and long-term environmental goals for realizing Odakyu Group Carbon Neutral 2050

- In addition to reflecting the “introduction of electricity derived from renewable energy to railways” in the roadmap that outlines our main initiatives to achieve essentially net-zero CO<sub>2</sub> emissions through our operations by 2050, we have also updated our long-term environmental targets
- For more details, please see the Odakyu Electric Railway website(Japanese only)  
(URL)<https://www.odakyu.jp/sustainability/carbon-neutral/>

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