

## Environmentally Friendly Business

## ENVIRONMENT



### ► Policy and Concept

#### ● Further development and utilization of renewable energy sources

As a leading company in zero-carbon energy production, our Group is committed to proactively developing renewable energy by strengthening our organizational structure to promote its development including engineering and marketing capabilities, focusing on offshore wind power generation, which has great development potential. Through investment of a total of 1 trillion yen in domestic projects, we aim to achieve a scale of 5 GW for new development and a cumulative total capacity of 9 GW by 2040. Domestically, we are taking initiatives not only to improve the output of existing hydroelectric power plants but also to develop solar power, onshore wind power, offshore wind power, biomass power, geothermal power, and hydroelectric power plants. New development with a total output of about 0.4 GW came into operation as of the end of March 2024. We will contribute to helping the decarbonization of our customers and society by continuously operating our developed power sources and promoting the development of new power sources as well.

### ► Goals

#### Further development and utilization of renewable energy sources

- Achieve 5 GW scale of new development and 9 GW scale of cumulative capacity in Japan by 2040

### ► Efforts

#### ● Domestic initiatives during the fiscal 2023

- The Kansai Electric Power Company and RWE Renewables Japan G. K. submitted the environmental impact assessment at the planning stage for the offshore wind power generation project off the coast of Wakayama Prefecture in accordance with the Environmental Impact Assessment Act in June 2023.
- The Kansai Electric Power Co., Inc., Daiwa Energy & Infrastructure Co. Ltd. and SMFL MIRAI Partners Co., Ltd. jointly established KDS Godo Kaisha in July 2023 to develop solar power generation facilities for corporate PPA. KDS commenced commercial operation of approximately 26,000 kW of solar power generation facilities as of the end of fiscal 2023.
- In order to acquire knowledge on floating offshore wind power development, being expected to have high potential in Japan, we participated in DemoSATH project, the demonstration project of barge-type floating offshore wind power generation facilities conducted between Saitec Offshore Technologies and RWE Renewables off the port of Bilbao, Spain in August 2023. In addition, we became a shareholder of Odfjell Oceanwind AS, a Norwegian company developing floating foundation technology for offshore wind power generation.
- We submitted environmental impact assessment procedures for the Furubira Yoichi Wind Farm (tentative name), in accordance with the Environmental Impact Assessment Act in November 2023. In March 2024, we entered into a comprehensive partnership agreement with Furubira Municipality for decarbonization initiatives.
- In March 2024, we joined the Floating Offshore Wind Technology Research Association (FLOWRA), which was established for extensive, large-scale commercialization of floating offshore wind power generation and for development of related industries in Japan.

- ◆ Installed capacity in newly developed and commercially operated projects (completed construction) in renewable energy in Japan: Approximately 0.4 GW (as of the end of fiscal 2023)



## ● Status of international business efforts

Our Group is participating in 12 overseas renewable energy projects with a total of 1.088 GW\* share equivalent installed capacity. An onshore wind farm project in Finland, for example, began in December 2023 while an offshore wind farm project in Germany is under construction with commercial operation scheduled to start in the near future. In addition, we participated in a floating offshore wind power demonstration project in Norway in December 2023. Following these projects, we will continue to promote and expand renewable energy sources.

\* As of the end of April 2024 (including those in the construction stage)



Alajärvi Onshore Wind Farm Project



Rendering of completed GoliatVIND Floating Offshore Wind Demonstration Project

## ● Performance data

### • Development and promotion of renewable energy in Japan

		Unit	FY 2021	FY 2022	FY 2023
Development and promotion of renewable energy	Projects commercially in operation (completed construction)	10,000 kW	356.1	383.2	384.5
	Projects currently in progress		30.0	8.8	12.1
	Total installed capacity		386.1	392.1	396.6
	• Solar power generation		13.1	19.0	24.0
	• Wind power generation		6.1	6.1	6.1
	• Hydropower generation		341.4	341.4	340.9
	• Biomass power generation		25.7	25.7	25.7
	• Geothermal power generation		0.0	0.0	0.0

Notes:

- The total figures may not match with breakdowns due to rounding of fractions.
- Figures include results from the Company and group companies (excluding Kansai Transmission and Distribution, Inc.)

### • Development and promotion of renewable energy outside Japan

		Unit	FY 2021	FY 2022	FY 2023
Development and promotion of renewable energy	Projects commercially in operation (completed construction)	10,000 kW	68.4	94.8	105.6
	Projects currently in progress		40.5	14.0	3.2
	Total installed capacity		108.8	108.8	108.8
	• Wind power generation		71.3	71.3	71.3
	• Hydropower generation		37.5	37.5	37.5

Notes:

- The total figures may not match with breakdowns due to rounding of fractions.
- Figures include results from the Company and group companies (excluding Kansai Transmission and Distribution, Inc.)
- The share equivalent installed capacity of projects in the development stage are not included.

