

## Environmentally Friendly Business

ENVIRONMENT



### ► Policy and Concept

#### ● Further developing and leveraging renewable energy

Our Group, as a leading company in zero-carbon energy, is committed to proactively developing renewable energy based on its improved development promotion system, focusing on offshore wind power generation, which has great development potential. Through investment of a total 1 trillion yen in domestic projects, we aim to develop 5 GW scale of new development and to achieve 9 GW scale of cumulative capacity by 2040.

On the domestic front, for example, we focus on increasing hydropower output and developing solar power, onshore wind power, offshore wind power, biomass power, and geothermal power plants, and the total capacity of which stands at about 3.83 GW as of the end of March 2023.

We will continue to operate the existing power sources and develop new power sources to help customers and society achieve zero carbon.

### ► Goals

#### ● Advancing efforts to control CO<sub>2</sub> emissions

- Keep the top spot for the amount of zero-carbon power generation in Japan
- Halve CO<sub>2</sub> emissions associated with power generation in Japan in FY 2025 (compared to FY 2013)

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

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

### ► Efforts

#### ● Status of domestic development in fiscal 2022

- In April 2022, the Group commenced commercial operation of the Fukushima Iwaki Biomass Power Plant. In addition, together with Mitsubishi HC Capital Energy Inc., we participated in a solar power project in Nishimuro-gun, Wakayama Prefecture. Furthermore, a consortium consisting of the Company, TODA Corporation, ENEOS Corporation, Osaka Gas Co., Ltd., INPEX Corporation, and Chubu Electric Power Co., Inc. was certified for the first time in Japan for public tender of exclusive occupancy and use for the offshore wind power plant to be constructed in the marine renewable energy power generation facility promotion zone off the coast of Goto City, Nagasaki Prefecture.
- Nagisoazuma Hydroelectric Power Station started commercial operation in July 2022, following the completion of new construction work started in August 2020.
- The Company, Marubeni Corporation, Obayashi Corporation, Tohoku Electric Power Co., Inc., Cosmo Eco Power Co., Ltd., Chubu Electric Power Co., Inc., The Akita Bank, Ltd., Ohmori Co., Ltd., Sawakigumi Co., Ltd., Kyowa Oil Co., Ltd., Kato Construction Co., Ltd., Kanpu Co., Ltd., and Sankyo Co., Ltd. jointly commenced commercial operations at the Noshiro Offshore Wind Farm in December 2022 and the Akita Offshore Wind Farm in January 2023.
- Banshu Mega Solar Power Plant, jointly funded by the Company and ENEOS Corporation, started commercial operation in January 2023.
- In February 2023, the Company started a business providing electricity along with environmental value by developing solar power generation technology for Panasonic Operational Excellence Co., Ltd. and Hydro Edge, one of our group companies, based on a corporate PPA.
- In March 2023, the Kansai Electric Power Group started commercial operation of Aioi Biomass Power Station.

◆ Our Group has 3.832 GW of share equivalent renewable energy capacity in operation inside Japan (as of the end of FY 2022)



## ● Status of international business efforts

Our Group is participating in 11 overseas renewable energy projects with total 1.088 GW\*<sup>1</sup> share equivalent installed capacity. Of these projects, two offshore wind projects in the UK commenced commercial operation in April 2022 and one onshore wind project in Finland commenced commercial operation in June 2022. Currently, an onshore wind power project in Finland and an offshore wind power project in Germany are under construction for commercial operation. The San Roque Hydropower Project in the Philippines, recommended by the Department of Social Welfare and Development, was granted the ASEAN Outstanding Social Welfare and Development Award 2022\*<sup>2</sup> for its contribution to environmental conservation and livelihood assistance in the local community.

\*1 As of the end of April 2023, projects under development included.

\*2 Sponsored and granted by ASEAN to recognize outstanding social welfare activities, etc.



Triton Knoll Offshore Wind Power Project in the UK



Tree-planting activities regularly performed at the San Roque Hydropower Project site

## ● Performance data

Development and promotion of renewable energy in Japan		Unit	FY 2020	FY 2021	FY 2022
Development and promotion of renewable energy	Projects that have begun operation (completed construction)	10,000 kW	345.7	356.1	383.2
	Projects underway		34.9	30.0	8.8
	Aggregate capacity		380.6	386.1	392.1
	• Solar power generation		11.3	13.1	19.0
	• Wind power generation		2.4	6.1	6.1
	• Hydropower generation		341.2	341.4	341.4
	• Biomass power generation		25.7	25.7	25.7
• Geothermal power generation	0.0	0.0	0.0		

Notes:

- Components may not add to the total due to rounding of figures.
- 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 2020	FY 2021	FY 2022
Development and promotion of renewable energy	Projects that have begun operation (completed construction)	10,000 kW	68.4	68.4	94.8
	Projects underway		26.4	40.5	14.0
	Aggregate capacity		94.8	108.8	108.8
	• Wind power generation		57.3	71.3	71.3
	• Hydropower generation		37.5	37.5	37.5

Notes:

- Components may not add to the total due to rounding of figures.
- Figures include results from the Company and group companies (excluding Kansai Transmission and Distribution, Inc.)

