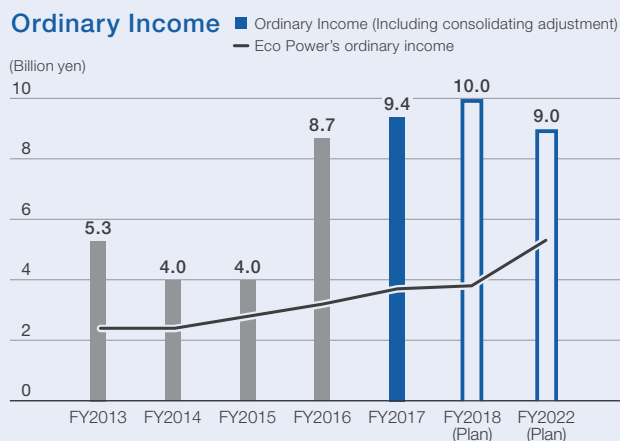


# RENEWABLE ENERGY AND OTHER BUSINESSES



## Strengths

- Group incorporation in 2010 of Eco Power, a pioneer in the wind power generation business (established in 1997)
- Realization of a high level of availability (at least 90%), as development, construction, operation and maintenance are carried out within the Cosmo Energy Group
- Nationwide operation to reduce risks in wind condition changes by region and to ensure stability
- Plan to expand business over the long term by expanding onshore sites as well as participating in offshore site projects

## Business strategy in the New Consolidated Medium-Term Management Plan

Aiming to expand the wind power generation business as one of growth areas by participating in offshore wind power generation projects and expanding onshore wind farms

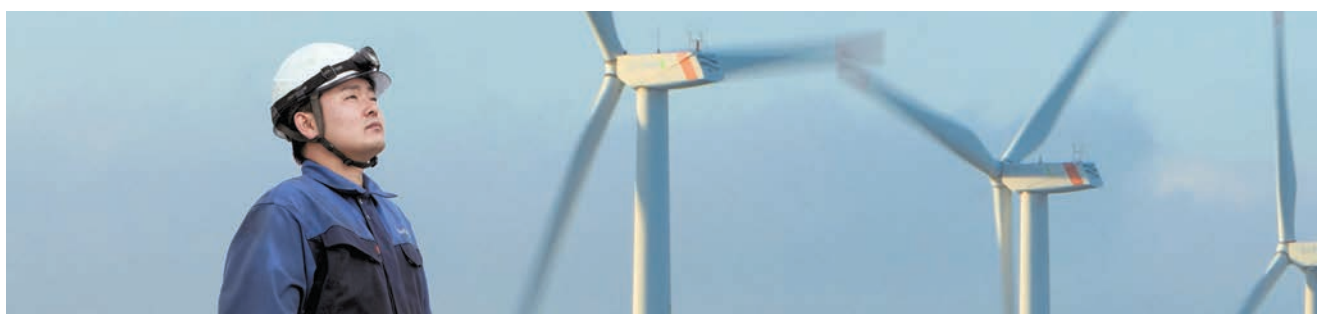
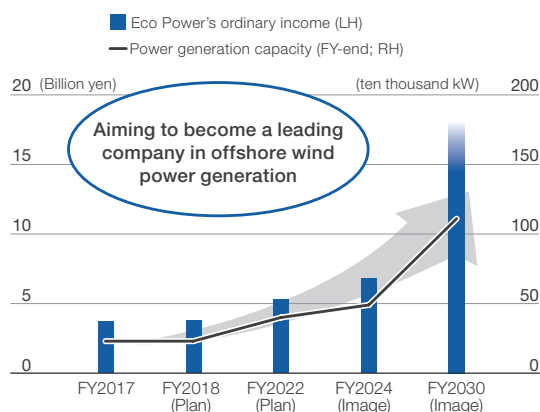
- Expand onshore wind power generation capacity to 400,000kW (by the end of FY2022).
- Invest in offshore wind power generation.
- Become a leading company in offshore wind power generation over the long term.

### Onshore wind power generations

We develop the Watarai Second Phase Project (Mie Prefecture), Himekami Project (Iwate Prefecture), and Chuki Project (Wakayama Prefecture), which are being prepared for their start of operation, and also seek for new projects.

### Offshore wind power generation

We participate in the offshore wind power generation projects in Akita Port and Noshiro Port. We continue to study future business feasibility.



## Review of the Previous Consolidated Medium-Term Management Plan

The Wind Power Generation Business achieved its eighth consecutive year of growth in sales, as the business continued steady operation at Eco Power Co., Ltd. and smooth starts were made in operating new facilities.

	FY2013	FY2014	FY2015	FY2016	FY2017
<b>Wind power generation business</b>	Feed-in tariff (for 20 years) (Total generation capacity: Approx. 150,000kW)		Start operation of Hirokawa, Aizu (Approx. 180,000kW)	Start operation of Watarai First Phase (Approx. 210,000kW)	Start operation of Sakata and Ishikari (Approx. 230,000kW)

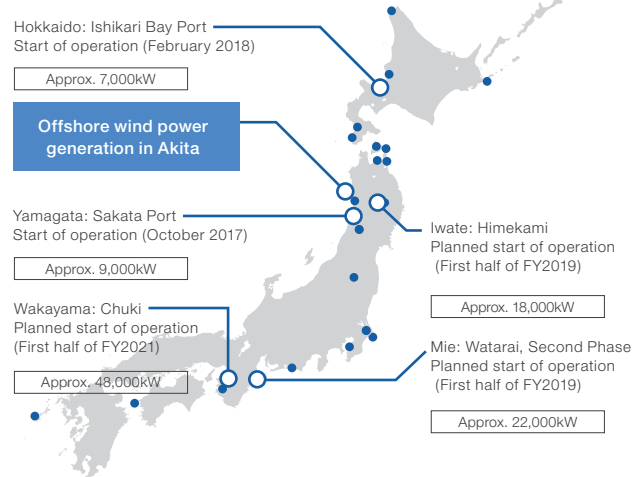
## Outline of Eco Power Co., Ltd.

Eco Power Co., Ltd. was established as Japan's first company specialized in wind power generation in 1997 and joined the Cosmo Energy Group in 2010. As a pioneer of the industry, it develops and operates wind farms in Japan.

Eco Power's Key Data (As of March 31, 2018)

Capital	<b>¥7.1 billion</b>	Power generation capacity	<b>227,000kW</b>
Number of power generators	<b>162 (23 areas)</b>	Industry share	<b>Approx. 6% (No.3)</b>

## Eco Power's Wind Farms/Power Plants



## Contributing to a better society — CSV (Creating Shared Value) —



Expanding production of domestic clean energy

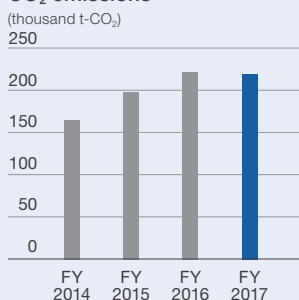


Stable energy supply

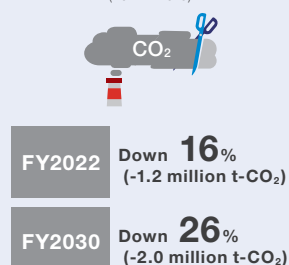
### Reduction in CO<sub>2</sub> emissions by wind power generation

The Cosmo Energy Group is proactively involved in environmental preservation activities and contribute to reduction in CO<sub>2</sub> emissions through provision of clean energy. In FY2017 we reduced CO<sub>2</sub> emissions by 220,887 t-CO<sub>2</sub>.

#### Reduction volume in CO<sub>2</sub> emissions



#### Goals of Reduction of Greenhouse Gas Emissions (from FY2013)



### Boosting the energy self-sufficiency rate

In resource-poor Japan, we are expanding the use of renewable energy, mainly wind power generation, which is highly promising as a purely domestic energy source with no environmental burden, so as to contribute to raising the energy self-sufficiency rate. In FY2017, we provided electricity to around 120,000 households.

