

Shizen Energy completes construction of the “Kitakyushu Hibikinada Wind & Solar Power Plant” as the Second Wind Power Plant Development Project

Shizen Energy Inc. (headquartered in Fukuoka, Fukuoka Prefecture; Representative Directors: Ken Isono, Kenji Kawado, and Masaya Hasegawa; hereinafter “Shizen Energy”) completed construction of the “Kitakyushu Hibikinada Wind & Solar Power Plant (hereinafter “the Plant”)” in Kitakyushu City, Fukuoka Prefecture, which includes both wind and solar power generation facilities in the Hibikinada District, a port area of Kitakyushu City. Commercial operation of the solar power plant and the wind power plant has begun on March 31, 2020 and May 2, 2020, respectively.

The Plant is one of the projects of the “Accumulation Promotion business of Wind Power-Related Industry in the Hibikinada District of Wakamatsu Ward, Kitakyushu” *1. Shizen Energy submitted a proposal in response to an open recruitment by the Kitakyushu City Government, and the proposal was selected. The project constructed both a wind power plant with a rated output of approx. 5 MW and a solar (photovoltaic) power plant with one of approx. 0.6 MW (AC). This is the second project that Shizen Energy has completed through this open recruitment, following the completion of the solar power plant with a rated output of approx. 1.9 MW (AC) in February 2015. Also, the Plant is the second completed wind power plant, following the project in Karatsu, Saga Prefecture, in February 2018.

The Plant has two characteristics including: 1) install a large 5-MW turbine designed for ocean on land, and 2) install wind and solar power generation facilities on the same lot, for study of effective use of land and systems. The Plant’s wind power generation facilities are the largest in Japan in terms of business-use wind power generation facilities constructed on land (as of May 2020, research by Shizen Energy).

Thanks to the understanding and support from the local communities and local industries, including cooperation of manufacturing wind turbines, foundations, transmission cables by the local manufacturers, the construction of the Plant was achieved. The yearly generated output is expected to be equivalent to the amount of power used by 3,120 households *1. Shizen Energy sells the generated power to Kyushu Electric Power Co., Inc. under the Feed-In Tariff (FIT) scheme for renewable energy transactions at fixed prices, and also considers supplying and selling the power generated at the Plant to “Shizen Denryoku no Denki” service in the future.



Kitakyushu Hibikinada Wind & Solar Power Plant
(Introduction movie: <https://youtu.be/YJdg365cDBw>)

Shizen Energy defines “We take action for the blue planet” as its Purpose, aiming to facilitate the use of safe and sustainable energy through the establishment of renewable energy power plants worldwide, which serves its goal to allow more people around the world to enjoy happy lives. Through the development, construction, operations, and maintenance of renewable energy power plants that are both high in quality as well as rooted in the local community, Shizen Energy will continue to accelerate towards the realization of a “100% renewable-powered planet.”

[Kitakyushu Hibikinada Wind & Solar Power Plant - Project Outline]

Power Plant Name	Kitakyushu Hibikinada Wind Power Plant & Solar Power Plant
Power Plant Location	Hibiki-machi, Wakamatsu Ward, Kitakyushu City, Fukuoka Prefecture
Operator	Kitakyushu Hibikinada Wind & Solar Power Generation LLC (A limited liability company in which Shizen Energy serves as the representative employee)
Rated Output	Wind power: approx. 5 MW (one wind power facility manufactured by Hitachi, Ltd.) Solar power: approx. 0.6 MW (AC) *DC capacity: approx. 0.9 MW (Of the total approx. 2.5 MW, approx. 1.9 MW in the eastern area and approx. 0.6 MW in the western area)
Start of Operation	Solar power: March 31, 2020 (Eastern area: February 2015) Wind power: May 2, 2020

[Reference]

*1 The average annual electricity consumption for general household is calculated as 3,120 kWh.

【About Shizen Energy Inc.】

Founded in June 2011 with the mission of “We take action for the blue planet.”, Shizen Energy contributes to the generation of approximately 1 gigawatt (as of the end of December 2019) worth of renewable energy across Japan. It is engaged in all services required for the installation and operation of solar, wind, small hydroelectric, and other renewable energy power plants, such as development, EPC (engineering, procurement, construction), O&M (operation and maintenance), asset management and retail electricity market. The company has begun the constructions of the photovoltaic power plants around the world since 2018 starting from Asia and South American region such as Indonesia and Brazil.

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