

Contributing to regions and communities through efforts to reduce the environmental burden

Activity Report on MEIKO Solar Park Fukushima

Meiko started photovoltaic power generation in June 2015 at the power plant constructed within the premises of our Fukushima Factory in Hirono-cho, Fukushima Prefecture, aiming to contribute to regions and communities through reducing the environmental burden and building a sustainable society by the introduction of renewable energy, while contributing to the local community's reconstruction after the Great East Japan Earthquake.

Here we report on the status and future vision of MEIKO Solar Park Fukushima now that it has been more than one year since it started power generation.

Contributing to the spread of renewable energies, the preservation of the global environment and the formation of a sustainable society

When the Great East Japan Earthquake occurred in March 2011, the subsequent accidents at Tokyo Electric Power Company's Fukushima No. 1 nuclear power plant led to the restriction of entry to our Fukushima Factory in Hirono-cho, Fukushima Prefecture, forcing it to shut down temporarily.

Hirono-cho, where the Fukushima Factory stands, is 20 km from the Fukushima No. 1 nuclear power plant. In April, immediately after the Earthquake, Hirono-cho was designated as an Evacuation-Prepared Area, which enabled entry to the Fukushima Factory, leading to the restart of operations in July. However, it will take more time before residents feel safe coming back. The total site area of the Fukushima Factory is 86,910 m². However, the area occupied by the factory building (3,600 m²), wastewater treatment and other facilities and parking

lots accounts for only about one-fourth of the total area. Although there was a plan to construct the No. 2 Factory on the unoccupied land, the plan was suspended because of the earthquake and the nuclear power plant accidents. We have since discussed utilizing the unoccupied land with something other than a factory. Considering the scale and shape of the land, we concluded that it would be best to introduce a photovoltaic power plant, which would enable us to contribute to the local community by introducing renewable energy to reduce the environmental burden, while ensuring business continuity. MEIKO Solar Park Fukushima occupies an area of about 40,000 m² on the site of the Fukushima Factory. The photovoltaic power generation system consists of 9,772 solar panels with a generating capacity of 2,492 KW. Its annual power generation amounts to 2,600 MWh, which is equivalent to the annual power consumption of 720 typical households.

Overview of MEIKO Solar Park Fukushima

Installation area:	33,813 m ²
Number of solar panels installed:	9,772
Generating capacity:	2,492 KW
Estimated annual power generation:	2,600 MWh (Annual power consumption of 720 typical households)
Date power generation started:	June 10, 2015

Results and future plan

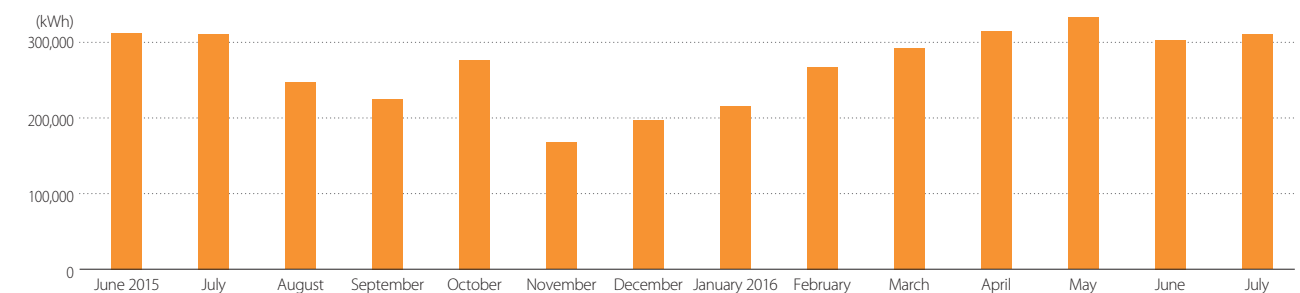
Photovoltaic power generation is easily affected by weather conditions. In general, its power generating capacity tends to be low in winter when the amount of sunlight is relatively small, whereas it is high in summer with a lot of sunlight. Results from last year, however, differed from what we expected. The photovoltaic power output in the summer at MEIKO Solar Park Fukushima was not as high as expected due to a long stretch of cloudy weather, whereas the output in winter was actually higher than expected due to the continuation of sunny days. From a whole-year perspective, we enjoyed favorable results as the power generation was more than planned during many months.

We are considering the enlargement of MEIKO Solar Park Fukushima by adding a second solar power generation area. Through the expansion of the



photovoltaic power generation business, Meiko will continue to contribute to the preservation of the global environment and the formation of a sustainable society. In addition, we will promote the expansion of the PCB manufacturing business at the Fukushima Factory, thereby contributing to the restoration and development of our hometown, Fukushima Prefecture.

● Power generating capacity of MEIKO Solar Park Fukushima throughout the year



VOICE

VOICE from person in charge

Reviewing the first year of MEIKO Solar Park Fukushima

More than one year has passed since the opening ceremony of MEIKO Solar Park Fukushima in June 2015.

The photovoltaic power generation business was the first business that Meiko started without any prior experience. Initially, there were many concerns as to whether we could sell the electricity as planned or how weather conditions and seasonal differences would affect the business. Despite these concerns, the business has produced profits significantly higher than planned. This remarkable achievement led to us considering more additional panels to earn more profit. It was a relief to see that the earnings by the solar power business could benefit the Meiko Group.

As the person in charge of the maintaining the solar panels, I often walk around the panels to check their condition. Nearly 10,000 panels are lined up neatly, which is a rather monotonous scenery, but in here you can feel seasonal differences. In autumn, dragonflies laid eggs on the panels mistaking them as puddles, which left stains that we struggled to remove. In early spring, I found frog eggs in the puddles, which turned into tadpoles several weeks later. I was worried about what would happen if all these tadpoles became frogs, but these creatures are nowhere in sight now. These scenes at MEIKO Solar Park Fukushima made me realize that nature is still at work even at a site within 20 km of the Fukushima No. 1 nuclear power plant. Looking at the various birds flying over the panels, I often consider them a welcome sight, if only they would not leave their mess on the panels.

To contribute to the local communities of Fukushima, the "continuation of business" is of crucial importance. Exploring various businesses beyond the manufacturing of PCBs is a corporate priority of Meiko, and I am glad that MEIKO Solar Park Fukushima has become a cornerstone of that policy.



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