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ENEOS Renewable Energy Corporation

Repowering Conducted at JRE Hidakagawa Solar Power Plant by Replacing Solar Panels

ENEOS Renewable Energy Corporation (headquarters: Minato-ku, Tokyo; President and CEO: Yasushi Onoda; hereinafter the “Company”) is conducting repowering^{*1} work at the JRE Hidakagawa Solar Power Plant, which it operates in Hidakagawa Town, Hidaka-gun, Wakayama Prefecture, by replacing solar panels (hereinafter “panels”) for the purpose of maximizing power output and ensuring the plant’s long-term, safe and stable maintenance and management.

Existing panels removed as a part of the project are being recycled and reused in cooperation with Power eee Co. (headquarters: Chiyoda-ku, Tokyo; CEO: Koji Fujita). In addition, based on relevant laws and regulations as well as guidance and advice from regulatory authorities, we have established a processing management system and are properly processing the panels that are removed. We follow a policy of dismantling the panels onsite at the power plant before shipping them out, recycling each material using appropriate methods, and ensuring that nothing is sent to landfills.^{*2} Panels that still retain their performance will be sorted and utilized with the intention of reusing them. When distributing panels, we confirm details such as the recipient and intended use in advance, and ensure traceability from the time of shipment through delivery.

In Japan, as solar power facilities installed after the launch of the Feed-in Tariff (FIT) program in 2012 will gradually be updated going forward, addressing not only the proper processing of used panels but also post-FIT operations—including business continuity and exploring ways to utilize the generated electricity—has become a societal challenge.

The Company believes that conducting appropriate repowering based on accurate evaluations of power output by existing facilities will lead to the stable maintenance of generating efficiency over the medium to long term. Drawing on the insights gained from this project, we will continue to explore repowering options at the appropriate time for our other power plants as well. In addition, with regard to used panels, we will actively work to reduce our environmental impact and make effective use of resources through both recycling and reuse.

*1 Initiatives to improve and restore power generation efficiency by upgrading certain facilities at existing power plants

*2 The Company does not dispose of removed existing solar panels in landfills. (Excluding some adhering substances such as sludge.)

Overview of Power Plant

Name of power plant	JRE Hidakagawa Solar Power Plant
Location	Hidakagawa town, Wakayama
Capacity	16,800 kW
Commercial operation date	March 2016