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ENEOS Renewable Energy Corporation

ENEOS Renewable Energy Management Corporation

ERE Group to Undertake Its First Repowering^{*1} Project at Uruma Mega Solar Power Plant

ENEOS Renewable Energy Corporation (headquarters: Minato-ku, Tokyo; President, CEO, and Representative Director: Kazuhiro Takeuchi; hereinafter “ERE”) will conduct a repowering project at the Uruma Mega Solar Power Plant, which is in operation in the city of Uruma, Okinawa Prefecture, by replacing its solar panels. The project will be led by ENEOS Renewable Energy Management Corporation (headquarters: Minato-ku, Tokyo; Representative Director: Yoshinobu Tai; hereinafter “EREM”), an ERE subsidiary, which is responsible for the operation and management of the plant. EREM will oversee the implementation of the repowering work as well as the recycling of the existing solar panels.

For this initiative, ERE will commission High-Tex Inc. (Headquarters: Kitakyushu, Fukuoka Prefecture; Representative: Shinsuke Yoshimoto; hereinafter “High-Tex”) to handle the design, mounting structure work, and panel installation. Approximately 50,000 solar panels will be removed, and, after the design has been reviewed to optimize the use of existing infrastructure, new panels will be installed.

The recycling of the existing solar panels has been entrusted to HAMADA Co., Ltd. (headquarters: Takatsuki, Osaka Prefecture; President: Tokusuke Hamada; hereinafter “HAMADA”), with work already underway. The ERE Group and HAMADA have both agreed to the guidelines set forth by the Solar Panel Reuse and Recycling Association, to which they both belong. Acting ahead of the recent discussions for mandating the disposal and recycling of solar power generation equipment, the two parties have decided to take responsibility as operators to recycle the removed panels. The ERE Group and HAMADA plan to process the panels with a recycling rate of approximately 90%,^{*2} with glass—which accounts for around 60% of the materials recycled—anticipated to be repurposed into glass wool, decorative crafts, and other products.

With solar panels continuing to reach higher levels of performance and lower prices,



repowering existing power plants could become a key strategy for improving generation efficiency among operators. The ERE Group remains active in enhancing the value of its power plants while promoting the recycling and reuse of solar panels.

- *1. Repowering refers to the process of upgrading certain components of an existing power plant to improve power generation efficiency.
- *2. The figure excludes residue, such as adhered soil, and heat recovered from the incineration of resin.

Plant outline

Power plant	Uruma Mega Solar Power Plant
Location	Uruma City, Okinawa
Capacity	12,200 kW
Operation commencement date	Mar. 2015