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NTT Anode Energy and RENOVA Begin Study of Third-Party Verification Scheme for Sustainable Generation of Biomass Power

The Companies Aim to Improve the Reliability of Domestic Biomass Power Generation Systems to Prove RE100 Compliance

NTT Anode Energy Corporation (Headquarters: Minato-ku, Tokyo; President & CEO: Teruyuki Kishimoto; hereinafter “NTT Anode Energy”) and RENOVA, Inc. (Headquarters: Chuo-ku, Tokyo; Representative Director, President & CEO: Yosuke Kiminami; hereinafter “RENOVA”) announce that they have begun to study a third-party verification scheme for objectively demonstrating the sustainability of biomass power generation systems and ensuring compliance with the technical requirements of the RE100^{*1} international initiative (hereinafter the “Scheme”).



Akita Biomass Power Plant in Akita

Ishinomaki Hibarino Biomass Power Plant in Miyagi

Currently, progress is being made in corporate decarbonization management and the number of companies joining the RE100, whose goal is for 100% of the electricity used in business activities to be from renewable sources of energy, is increasing. Under the RE100 technical requirements, a mechanism must be in place to guarantee that the electricity was generated in a sustainable manner when counting electricity generated from biomass toward RE100 goals, and third-party verification and certification is recommended.

However, in Japan, proving the RE100 compliance of biomass power generation systems has been a challenge^{*2} because it is not easy to directly obtain the international certifications used as examples by

RE100 due to institutional and operational constraints. Against this background, NTT Anode Energy and RENOVA will study the Scheme, aiming to build a framework enabling companies to clearly claim RE100 compliance through the establishment of voluntary standards based on the international certifications used as examples by the RE100 and verifications and assurances implemented by third-party organizations.

The two companies plan to complete third-party verification based on the Scheme by the end of fiscal year 2026 for two locations where power purchase agreements have already been concluded: Akita Biomass Power Plant (Akita City, Akita Prefecture; Capacity: 20.5 MW) and Ishinomaki Hibarino Biomass Power Plant (Ishinomaki City, Miyagi Prefecture; Capacity: 75.0 MW). (NTT Anode Energy procures electricity from the Ishinomaki Biomass Power Plant and the Akita Biomass Power Plant, which are owned by RENOVA).

Through this initiative, the two companies will accelerate the introduction of renewable energy through corporate PPAs^{*3} while enhancing their transparency regarding the sustainability of biomass power generation systems and contributing to the achievement of a decarbonized society.

Notes

- *1 RE100 is an international initiative whose goal is companies getting 100% of the electricity they use in their business activities from renewable sources of energy.
- *2 Companies joining the RE100 must ensure that the electricity they procure is RE100-compliant renewable energy. In addition, RE100 technical criteria may be used as a reference by non-RE100 members in their procurement of renewable energy.
- *3 A corporate power purchase agreement (PPA) is a contract in which a consumer purchases renewable energy electricity from a power producer over the medium to long term. In the off-site PPA model, electricity is transmitted from a remote power generation facility to a consumer via the transmission and distribution network of a general electricity transmission and distribution utility.

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