

J-POWER Joins 24/7 Carbon-Free Energy Compact Demonstration of Hourly Non-Fossil Power Supply Through Environmental Value Platform Begins

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President and CEO: Hitoshi Kanno) has joined the 24/7 Carbon-Free Energy (CFE) Compact, an international framework led by the United Nations.

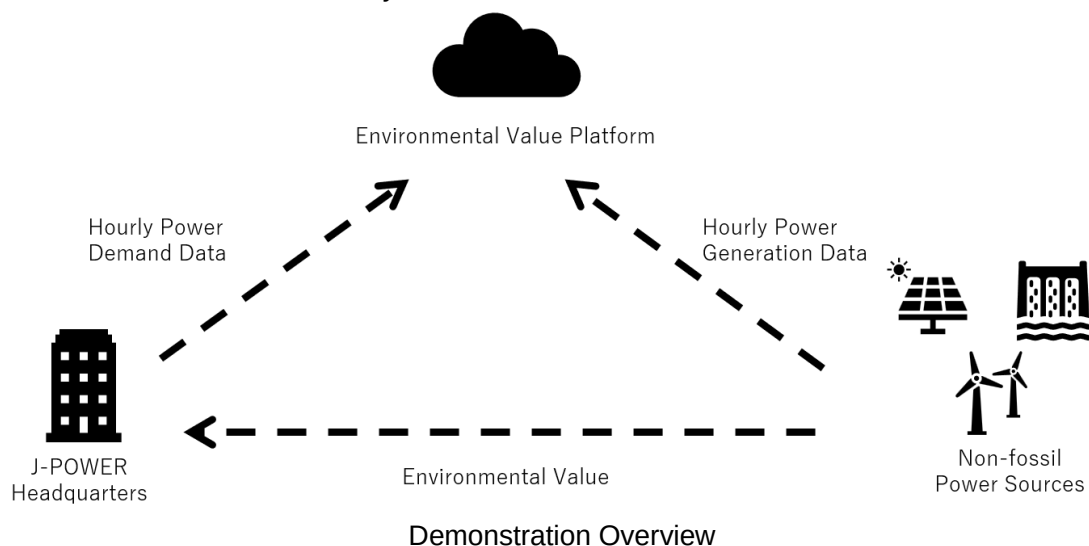
The 24/7 CFE Compact is an initiative launched by the United Nations in 2021 that aims to accelerate decarbonization across the power system by matching demand with non-fossil power sources in real time, on an hourly basis. J-POWER supports this objective and will work toward supplying non-fossil power on an hourly basis to help achieve carbon neutrality by 2050.

J-POWER is also developing an Environmental Value Platform that assigns time value to electricity generated from non-fossil sources, utilizing distributed ledger technology from Scalar, Inc., a J-POWER investee company. (See the January 6, 2025 press release: “J-POWER, Industry One, NSW and Scalar Begin Co-Development of Environmental Value Platform That Assigns Time Value to Renewable Energy”)

Key features of the platform:

- Leveraging a diverse power source portfolio: Providing sufficient environmental value through J-POWER’s diverse portfolio of non-fossil power sources, including hydroelectric, wind (onshore and offshore), geothermal, and solar power
- Ensuring transparency and reliability: Recording power generation data and demand-matching data in a form that enables third-party verification using Scalar’s distributed ledger technology
- Compatibility with international standards: Building a framework capable of accommodating international standards and systems such as 24/7 CFE, the GX League, and carbon credit markets

Development of the infrastructure for demonstration testing with interested companies has now been completed. As part of this effort, J-POWER is launching a demonstration that matches the power demand of its head office building with non-fossil power sources owned by J-POWER. This demonstration will verify hourly matching between electricity use and non-fossil power sources in pursuit of 24/7 CFE and will identify issues to address for future commercialization.



The J-POWER Group operates a diverse non-fossil power generation businesses, including hydroelectric, wind (onshore and offshore), geothermal, and solar power. Going forward, J-POWER will continue to promote power source development by leveraging its expertise in non-fossil power generation, create services that meet customer needs, and work toward achieving carbon neutrality, as stated in [J-POWER BLUE MISSION 2050](#).