



J-POWER Announces Plans for Matsushima Thermal Power Plant Upgrading Plant and Equipment to Reduce CO₂ Emissions; Progress on GENESIS Matsushima Plan

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President: Hitoshi Kanno) will phase out the two existing units at the Matsushima Thermal Power Plant by the end of fiscal 2024. The intent is to continue advancing the GENESIS Matsushima Plan, a plan for upgrade the plant and equipment to achieve CO₂-free hydrogen power generation.

In the J-POWER BLUE MISSION 2050, J-POWER set the goal of achieving carbon neutrality and realizing a hydrogen-based society by 2050. One interim target is to reduce CO₂ emissions to 39.6 million tonnes or less by fiscal 2025 (a reduction of 9.2 million tonnes, or 19%, compared with fiscal 2013 levels). To hit this target, in addition to focusing on developing renewable energy and steadily promoting nuclear power, we are making progress on the GENESIS Matsushima Plan for CO₂-free hydrogen power generation.

As part of our initiatives to achieve carbon neutrality, we have decided to cease operations at the Matsushima Thermal Power Plant by the end of fiscal 2024. Unit 1 will be decommissioned and Unit 2 will be “mothballed” (idle) in preparation for the GENESIS Matsushima Plan. Some of the equipment, buildings, and land from Unit 1 will continue to be used for the GENESIS Plan and for future carbon neutrality initiatives. The impact of this phasing out on fiscal 2024 results is expected to be negligible.

Construction for the GENESIS Matsushima Plan is set to begin in 2026 and start operations in fiscal 2028 (see below). As we work toward both transforming to a hydrogen society and achieving a stable energy supply, we will continue to study the GENESIS Matsushima Plan and assess the environmental impact, working proactively to realize the plan. Going forward, we will continue operations in Matsushima, aiming to make this a leading carbon-free thermal power generation site in Japan, including adopting biomass and ammonia fuels and realizing CCUS.

Facilities to Be Phased Out

Name	Matsushima Thermal Power Plant	
Location	Oseto Town, Saikai City, Nagasaki Prefecture, Japan	
Unit	No. 1	No. 2
Capacity	500 MW	500 MW
Type	Coal-fired	Coal-fired
Start of operations	January 1981	June 1981

GENESIS Matsushima Plan

Location	Oseto Town, Saikai City, Nagasaki Prefecture, Japan
Capacity	Approx. 500 MW
Start of construction	2026 (planned)
Start of operations	FY 2028 (planned)