新奥能源 2025 碳减排全景洞察
ENN Energy's 2025 Carbon Reduction Initiatives

Addressing climate change and advancing green and low-carbon transition are central priorities of the energy industry. ENN Energy has integrated energy efficiency enhancement and carbon emissions management into its core strategy, systematically advancing energy conservation across its own operations while supporting customers in their low-carbon transformation.

Setting Clear Quantified Targets and Establishing a Principal Line of Emissions Reduction Management

We have established greenhouse gas emissions reduction targets covering key business operations and have incorporated them into our overall governance framework, forming a closed-loop management mechanism of "target setting — action implementation — performance tracking", serving as an important basis for internal resource allocation and operational decision-making.

Strengthening Methane Management and Building an End-to-End Emissions Reduction System

Methane abatement is a critical component of decarbonisation in the natural gas industry. The Company has established a comprehensive methane emissions management system around four key scenarios, namely production facilities, pipeline networks, end-user facilities, and transportation, covering "institutional standards — digitally intelligent monitoring — operation and maintenance optimisation — capability building". The Company continues to develop methane emissions monitoring technologies and leverage digital intelligence solutions to improve monitoring accuracy and response efficiency. In 2025, the recovery volume of boil-off gas (BOG) in LNG operations alone reached 42.28 million cubic metres, effectively reducing fugitive methane emissions while enabling the recycling and reuse of energy resources.

Deploying Integrated Energy Systems to Enhance Overall Energy Efficiency

ENN Energy integrates photovoltaic power, energy storage, biomass energy, waste heat utilisation, and innovative technologies to develop integrated energy systems featuring multi-energy complementarity and intelligent coordination. Through the implementation of a “source-grid-load-storage-carbon” integrated operating model, the Company helps customers reduce energy costs and achieve low-carbon operational transformation.

In 2025, revenue from sustainable products and services accounted for 11.9% of the Company’s total revenue.

By the end of 2025:

- **Photovoltaics:** cumulative grid-connected installed capacity reached 1,294 MW, with active participation in green electricity trading and green certificate issuance.
- **Energy storage:** cumulative grid-connected installed capacity of 239 MWh, optimising the operating model of "clean energy + energy storage".
- **Biomass:** cumulative installed capacity of 716 MW, providing customised low-carbon energy solutions.
- **Biogas utilisation:** promoted the purification and production of renewable natural gas from biogas, enabling resource recycling and positive carbon substitution.

Enhancing Energy Efficiency in Own Operations to Promote Low-Carbon Practices

The Company continues to strengthen refined energy management across its offices and operational activities, implementing low-carbon management initiatives across three key areas: **source reduction, resource recycling, and green mobility**. In transportation, **the Company has disposed of 88 fuel-powered vehicles and completed the replacement of 39 business vehicles in 2025 (excluding production vehicles)**. Among the newly replaced vehicles, 25 were new energy vehicles, accounting for 65%, effectively reducing the direct carbon emissions intensity of operational activities.

The pursuit of energy efficiency improvement is an ongoing journey with no definitive endpoint. ENN Energy will continue to follow the management approach of "targets – actions – performance", regularly disclose progress on carbon reduction initiatives, and collaborate with stakeholders to accelerate the green transformation of the energy industry and jointly address the challenges posed by climate change.