

ENN Energy's Net-zero Roadmap

The 2030 target covers emissions from city gas business, IEB energy generating facilities and office operations

2021

Decarbonisation Action 2030

The roadmap indicate our actions to reduce emission intensity by 2030 and achieve net-zero by 2050

City Gas Business Operations

Achieve a decrease of 20% by 2030 based on the GHG emission intensity¹ in 2019

ME Management

- International transparency standard
- Completed ME policy and actions
- Onsite detection technologies
- Co-reduction with eco-partner

Energy Transportation Decarbonisation

- Clean energy vehicle
- Intelligent measures improving reduction efficiency
- Co-operation with eco-partners

Green Office

- Energy conservation in office building
 - Renewable energy use
 - Smart energy management in office
 - Lighting and air-conditioning system upgrading
 - Green building standard
- Low-carbon Travel

IEB Energy Generating Facilities

Target to reduce GHG emission intensity by 48%² by 2030 compared to 2019

- Increase the proportion of renewable and zero-carbon energy used to 36% by 2030
- Improve energy generating efficiency by 5% by 2030
- Establish CCUS pilot projects for IEB around 2025, which is expected to neutralise 5% carbon emissions generated from natural gas consumption

2030

Intensive Action

Become a leading low-carbon IE eco-operator in China

Scale up renewable energy consumption

Higher net-zero energy consumption ratio

Wider use of green, carbon-negative technologies

2050



Our Target

Net-zero Emission

Self-operation coverage (scope1&2)



Significant emission reduction



Neutralise unavoidable emissions with advanced technologies and nature-based solutions



Not rely on purchased carbon offset

¹ Emission Intensity = Scope 1&2 Emission from City Gas Operations & Office / Natural Gas Sales Volume

² Emission Intensity = Scope 1&2 Emission from Energy Generating Facility / Integrated Energy Sales Volume from Energy Generating Facility

Serve and Progress Low-carbon and Clean Development of the Society

Low-carbon Industrial Parks and Green Factories

- To help our customers build 50 green factories and 50 low-carbon industrial parks by 2025
- The number of green factories and low-carbon industrial parks we served for customers will increase to 200 respectively by 2030

Green Buildings

- Leveraging on our IE technologies and experiences of energy management for customers, we provide green buildings solutions and building energy-saving services for architectural customers

Green Households

- We have identified household customers' pursuit of smart energy usage, safety and low-carbon life, and served them with digital and intelligent technologies such as LoRa, LoT, big data, etc.

Green Technology

- Pay attention to the development and progress of biomass, geothermal, energy storage, hydrogen energy and CCUS technology