

ASIA CLEAN ENERGY FORUM 2025

Empowering the Future: Clean Energy Innovations,
Regional Cooperation and Integration, and Financing Solutions

2–6 June | ADB Headquarters, Manila



Crossing Borders: Integrated Solutions for Net Zero-Carbon Development Standard on Zero-carbon Parks in China

5 June 2025 | 14:00–17:35 (GMT+8)

In cooperation with



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ADB



Liu Xinyi



Vice Director
Green Partnership of Industrial
Parks(GPIPC)

Featured Speaker

Standard of Zero-carbon Park

Current Status: China has issued a total of 27 national and local standards and policy documents. Among these, 8 policy documents provide an evaluation indicator system, and out of the 19 standards, 14 specify such systems, totaling 22 sets of evaluation indicators. These can be categorized into three types: those that only define indicators (6), those that define indicators plus scoring (3), and those that define indicators plus scoring plus rating (13). Indicators that appear five times or more are defined as common indicators, totaling 18. The top three are the proportion of renewable energy use (17 times), carbon management platforms (15 times), and green coverage rate (14 times). The absolute value and reduction rate of carbon intensity each appear six times.

Lack of uniform standards: including accounting, construction, certification and other systematic standards

Eg: there is no uniform standard for accounting

- Uncertainty about the boundaries of the park
- Data missing
- Non-fossil energy calculations

Name of index	Target requirements
Carbon emission per unit of energy consumption	<= 0.2 tons of standard coal per ton (the annual comprehensive energy consumption of the park is 200,000 ~ 1 million tons of standard coal)
	<= 0.3 tons/ton standard coal (the annual comprehensive energy consumption of the park is greater than 1 million tons standard coal)
Proportion of non-fossil energy consumption	≥80%
Power demand response capability in the park	≥ 10% of the maximum power load
Energy storage capacity in the park	More than 10% of the average daily electricity consumption
Energy consumption per unit of output in enterprises in the park	Achieve or exceed the secondary energy consumption quota standard
Energy consumption of general terminal energy-using equipment for new projects	Achieve or exceed level 1 energy efficiency standards
Energy consumption of existing project general-purpose terminal energy-using equipment	Achieve or exceed the level 2 energy efficiency standard
Comprehensive utilization rate of industrial solid waste	≥80%
Comprehensive utilization rate of waste heat/cold/cold pressure	≥50%
Industrial water reuse rate	≥80%
Proportion of clean transport of bulk goods	≥80%
The photovoltaic coverage of the building roof can be utilized	≥75%
The building area with ultra-low energy consumption and nearly zero energy consumption in the park	More than 30,000 square meters
Scale of carbon capture, utilization and storage	More than 50,000 tons/year
The coverage of the intelligent management platform for enterprises in the park	≥90%