

## 2025 Electricity Carbon Emission Factor

Electricity carbon emissions from the sales of electricity of the Electricity Retailing Utility Enterprise by the Electricity Generating Enterprise and the Self-Usage Power Generation Equipment – Electricity carbon emissions from line loss

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Total electricity sold by the Electricity Retailing Utility Enterprise

=0.467 kg CO<sub>2</sub>e/kWh

Explanation :

- 1.Scope of application: This factor is used to review the average electricity carbon emissions of the overall electricity sales by the Electricity Retailing Utility Enterprise, serving as the basis for management by the competent authority regulating the electricity industry.
- 2.Considering that industries purchase more green electricity, starting from 2025, the electricity carbon emission factor for industrial greenhouse gas inventory purposes is set at 0.466 kg CO<sub>2</sub>e/kWh. This factor applies to users under the following electricity tariff categories: Meter Rate Lighting Service-Commercial, low-voltage power service, high-voltage power service, and extra-high-voltage power service.
- 3.For users under the Meter Rate Lighting Service – Residential and flat-rate lighting service tariff categories, the applicable electricity carbon emission factor is 0.471 kg CO<sub>2</sub>e/kWh.