

Carbon Emission Management

In response to the global challenge of climate change and to promote the achievement of net-zero carbon emissions, China Power has set clear carbon reduction targets to effectively manage climate-related risks and foster high-quality, sustainable corporate development. The Company commits to reducing its carbon dioxide emissions by 20% by 2025, 30% by 2030, and 40% by 2035, using 2022 as the baseline year for calculations. China Power is advancing energy use management and efficiency improvement across its core operations. Furthermore, the Company has set targets for improving energy efficiency, committing to a reduction in energy consumption by 4.88g/kWh and an increase in energy efficiency of 1.64% by 2025 compared to 2022 levels.

- **Energy Use Management:** To thoroughly assess the Company's energy efficiency, in 2023, we conducted 21 economic accountability audits, which included four special audits. These audits covered various aspects of the Company's energy, and we provided recommendations for risk management and action plans. All corrective actions are expected to be completed by 2024.
- **Operational Energy Efficiency Improvement:** We have implemented an energy supervision and data analysis plan that enables real-time monitoring of energy consumption, such as electricity, at our operating sites. An energy management platform has also been established, which supports the real-time monitoring and quantitative analysis of statistical data, allowing for the prompt identification of potential issues and facilitating the optimization of corresponding measures to maximize energy efficiency. Furthermore, we have initiated energy-saving technological upgrades across our sites, such as replacing traditional lighting with solar options and implementing energy-efficient modifications to large machinery, aiming to reduce overall energy consumption and carbon emissions.
- **Employee Training:** We have conducted training sessions aimed at raising energy conservation awareness and technical knowledge, delivering 961 hours of environmental training attended by 7,584 participants.

China Power is committed to reducing future energy consumption through innovative and sustainable measures. We actively promote energy efficiency improvement projects and implement

demand-side management plans such as upgrading equipment, optimizing operational processes, and introducing advanced technologies to lower energy consumption. In 2023, we employed energy-saving technologies including compressed air system upgrade, air preheater and regenerative component replacement, variable frequency drives for condensate pumps and fans, and permanent magnet speed control to enhance the energy efficiency of our main and auxiliary equipment. This resulted in reduced electricity consumption in plants and overall energy consumption, yielding notable economic and environmental benefits. Additionally, in 2024, we aim to further promote clean energy utilization by purchasing green certificates to achieve 100% green electricity use in all office buildings, and 100% green electricity use in all subsidiaries in the production process for the new energy industrial chain, including polysilicon, solar cells, and modules.