

Management of Pollutant Emission and Waste Discharge

To mitigate global environmental pollution and negative ecological impacts, China Power is actively managing pollutant and waste discharge, steadfastly adhering to the concepts of the circular economy and sustainable development. The air pollutants produced by the operational activities of China Power are primarily sulfur dioxide, nitrogen oxides, and particulate matter emissions emitted during the production process at thermal power plants. To effectively mitigate pollutant and waste emissions and minimize adverse environmental impacts of corporate activities, we have established *Environmental Management Policy of China Power International Development Limited*. The policy outlines systematic management plans for the emissions of waste gases, wastewater, and waste, as well as schemes for upgrading our waste treatment facilities. It covers our core businesses such as hydropower, wind power, photovoltaic power, natural gas power, waste incineration power, coal-fired power, energy storage, green power transportation, and integrated energy services. In 2023, we conducted individual site inspections and emissions reduction guidance at all operating sites to ensure the implementation of relevant standards.

Additionally, to strictly control pollutant emissions to meet national standards and further reduce pollutant levels, we have set targets for emissions reduction, pledging to lower the intensity of air pollutants (sulfur dioxide, nitrogen oxides, and particular matters) by 15% by 2025, 20% by 2030, and 25% by 2035, using 2022 as the baseline year for calculations. In our thermal power generation business, we advocate for the procurement of coal with low sulfur, low ash, low nitrogen, and appropriate volatile matter content to mitigate pollutant generation at the source. Furthermore, we select air pollution prevention technologies tailored to specific sites and upgrade our waste gas treatment facilities. Among the upgrades, Shangqiu Thermal Power's Unit #1 underwent capacity expansion and efficiency improvement retrofit of the desulfurization system, which boosted the flue gas desulfurization processing capacity, achieving a waste gas treatment efficiency exceeding 99%. Hainan Environmental Protection completed emission purification upgrades for Flues #1 and #2, reducing the average emissions of particulate matter, sulfur dioxide, and nitrogen oxides by over 50%. Now, all of our thermal power units, including coal-fired, gas-fired, waste incineration, and biomass power generation units, have completed ultra-low emission retrofits, surpassing our annual emission reduction targets and effectively mitigating the impact on air pollution. In 2023, we achieved an 86.9% comprehensive utilization rate for power generation by-products. Throughout

the year, emissions of air pollutants met the standards, with no incidents exceeding the average hourly limits.

To ensure the effectiveness of our environmental management system, we actively pursued its certification and conducted annual audits of the system. In 2023, the coverage ratio for environmental management system certifications across all our subsidiaries reached 49%, with 40 subsidiaries obtaining ISO 14001 certification. Regarding annual audits, the Company adhered to regulations, ensuring a comprehensive audit every three years. These audits assess both the environmental management system and its potential risks. In 2023, we conducted environmental impact audits covering dimensions such as regulatory compliance reviews, environmental management system assessments, environmental impact and risk evaluations, and waste management reviews. These audits spanned all subsidiaries, achieving a three-year audit coverage rate of 100%. We identified 610 risk points during these audits, addressing 473 within the year. We expect to complete all remaining remedial actions by the end of 2024.