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 $(a\ Sino-foreign\ joint\ stock\ limited\ company\ incorporated\ in\ the\ People's\ Republic\ of\ China)$

(Stock Code: 902)

ANNOUNCEMENT REGARDING THE ESTIMATED LOSS IN 2021

This announcement is made by the Company pursuant to the requirements of Rule 13.09(2)(a) of the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited and the inside information provisions under Part XIVA of the Securities and Futures Ordinance (Cap.571, the Laws of Hong Kong).

According to Rule 5.1.1 of the Rules Governing the Listing of Stocks on Shanghai Stock Exchange, a listed company is required to announce its estimated annual results within one month after the end of its financial year if the annual net profit of the listed company is negative. Therefore, this announcement is also made pursuant to Rules 13.10B of the Listing Rules.

The information contained in this announcement is only a preliminary estimate of the Company and is not audited by the Company's certified public accountants. Detailed financial information of the Company will be disclosed in the 2021 Annual Report of the Company. Potential investors and shareholders of the Company should exercise caution when dealing in the shares of the Company.

The Company and all members of the Board of Directors hereby confirm that this announcement does not contain any false representation, misleading statement or material omission and hereby confirm the truthfulness, accuracy and completeness of the contents of this announcement and jointly and severally accept full responsibility.

IMPORTANT NOTICE:

Based on preliminary calculations, Huaneng Power International, Inc. (the "Company") estimated that the net profit attributable to its shareholders of the Company calculated under PRC Generally Accepted Accounting Principles (the "PRC GAAP") is expected to be RMB-9,800 million to RMB-11,700 million.

I. ESTIMATED RESULTS FOR THE REPORTING PERIOD

(1) Period to which the estimated results applies

From 1 January 2021 to 31 December 2021.

(2) Estimated results

- 1. According to the preliminary estimate, the net profit attributable to the shareholders of the Company in 2021 is expected to reach RMB-9,800 million to RMB-11,700 million.
- 2. The net profit attributable to shareholders of the Company after deducting non-recurring gains and losses is expected to reach RMB-12,100 million to RMB-14,000 million.
- (3) The estimated operating results of the Company have not yet been audited by certified public accountant. The data in relation to the estimated results was only a preliminary estimate by the Company. Detailed financial information will be formally disclosed by the Company in the 2021 annual report after the audit.

II. RESULTS OF THE CORRESPONDING PERIOD OF PREVIOUS YEAR

- (1) The net profit attributable to shareholders of the Company calculated in accordance with the PRC GAAP is RMB4,564.9899 million. The net profit attributable to the shareholders of the Company after deducting non-recurring gains and losses calculated in accordance with the PRC GAAP is RMB4,397.6869 million.
- (2) Earnings per share calculated under the PRC GAAP: RMB0.18.

III. REASONS FOR THE ESTIMATED LOSS

As a result of external factors, there is a significant year-on-year increase in Company's domestic coal purchase prices.

IV. RISK WARNING

The estimated results are preliminary calculations based on the professional judgement of the Company and have not been audited by certified public accountants. There is no substantial uncertainty in respect of the Company which will affect the accuracy of the content in this estimated results announcement.

V. OTHER MATTERS

The financial information above is only a preliminary estimate and has not been audited by certified public accountants. Detailed financial information of the Company will officially be disclosed after audit in the 2021 Annual Report of the Company. Potential investors and shareholders should exercise caution when dealing in the shares of the Company.

By Order of the Board **Huaneng Power International, Inc. Huang Chaoquan**Company Secretary

As at the date of this announcement, the directors of the Company are:

Zhao Keyu (Executive Director)
Zhao Ping (Executive Director)
Huang Jian (Non-executive Director)
Wang Kui (Non-executive Director)
Lu Fei (Non-executive Director)
Teng Yu (Non-executive Director)
Mi Dabin (Non-executive Director)
Cheng Heng (Non-executive Director)
Li Haifeng (Non-executive Director)
Lin Chong (Non-executive Director)

Xu Mengzhou (Independent Non-executive Director)
Liu Jizhen (Independent Non-executive Director)
Xu Haifeng (Independent Non-executive Director)
Zhang Xianzhi (Independent Non-executive Director)
Xia Qing (Independent Non-executive Director)

Beijing, the PRC 29 January 2022