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華能國際電力股份有限公司

HUANENG POWER INTERNATIONAL, INC.

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

(Stock Code: 902)

ANNOUNCEMENT REGARDING THE ESTIMATED LOSS IN THE FIRST HALF OF 2022

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). As the announcement is also published on the website of the Shanghai Stock Exchange, 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 has not been audited by certified public accountants. Detailed financial information of the Company will be disclosed in the 2022 Interim Report of the Company. Potential investors 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 accept full legal responsibility.

IMPORTANT NOTICE:

Huaneng Power International, Inc. (the “**Company**”) estimated that the net profit attributable to its shareholders of the Company for the first half of 2022 calculated under PRC Generally Accepted Accounting Principles (the “**PRC GAAP**”) is expected to be RMB-2,700 million to RMB-3,240 million.

I. ESTIMATED RESULTS FOR THE REPORTING PERIOD

(1) Period to which the estimated results refer

From 1 January 2022 to 30 June 2022.

(2) Estimated results

1. According to the preliminary estimate under the PRC GAAP, the net profit attributable to the shareholders of the Company for the first half of 2022 is expected to reach RMB-2,700 million to RMB-3,240 million. Losses are expected compared to the same period in 2021.
2. The net profit attributable to shareholders of the Company after deducting non-recurring gains and losses is expected to reach RMB-3,500 million to RMB-4,040 million.

II. OPERATING RESULTS OF THE CORRESPONDING PERIOD OF PREVIOUS YEAR

- (1) As shown in the Company's 2021 interim report, the net profit attributable to shareholders of the Company calculated in accordance with the PRC GAAP was RMB4,282.136 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 was RMB3,868.3503 million.
- (2) As shown in the Company's 2021 interim report, earnings per share calculated under the PRC GAAP: RMB0.21.

III. REASON FOR THE ESTIMATED LOSS OF THE PERIOD

The main reason for the Company's estimated loss in the first half of the year was primarily attributable by the sharp rise in fuel prices year-on-year affected the Company's increase in fuel costs.

Amid the complex market landscape since the beginning of this year, the Company has adhered to the principle of maximizing overall interests, adhered to the overall planning of volume and price, and continuously strengthened the coordination between the wholesale power market and the retail market, as well as the coordination of medium and long-term transactions and spot transactions, thereby effectively consolidating and improving the electricity price level comprehensively. In the first half of 2022, the Company's average on-grid electricity settlement price for its power plants within China increased by 20.70% over the same period last year. Meanwhile, the Company continued to optimize the structure of the domestic and foreign trade by signing and implementing medium-long term coal purchase agreements, and actively took measures to deal with unfavourable factors such as the price inversion of imported coal basing on unbalanced resources. In particular, the sea-borne fuel procurement price of power plants where the Company's installed capacity accounts for a relatively large proportion increased significantly, and the revenue brought by the Company's increase in electricity prices was not enough to cover the Company's increase in fuel costs, resulting in the Company's estimated loss in the first half of the year.

IV. RISK WARNING AND OTHER MATTERS

- (1) The estimated results are preliminary calculations based on the professional judgement of the Company and have not been audited by certified public accountants. Detailed financial information of the Company will officially be disclosed in the 2022 Interim Report of the Company. Potential investors should exercise caution when dealing in the shares of the Company.
- (2) The Company has no significant uncertainties which will affect the accuracy of the content in this estimated results announcement.

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 (<i>Executive Director</i>)	Xu Mengzhou (<i>Independent Non-executive Director</i>)
Zhao Ping (<i>Executive Director</i>)	Liu Jizhen (<i>Independent Non-executive Director</i>)
Huang Jian (<i>Non-executive Director</i>)	Xu Haifeng (<i>Independent Non-executive Director</i>)
Wang Kui (<i>Non-executive Director</i>)	Zhang Xianzhi (<i>Independent Non-executive Director</i>)
Lu Fei (<i>Non-executive Director</i>)	Xia Qing (<i>Independent Non-executive Director</i>)
Teng Yu (<i>Non-executive Director</i>)	
Mi Dabin (<i>Non-executive Director</i>)	
Cheng Heng (<i>Non-executive Director</i>)	
Li Haifeng (<i>Non-executive Director</i>)	
Lin Chong (<i>Non-executive Director</i>)	

Beijing, the PRC
16 July 2022