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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 ON ELECTRICITY SOLD OF 2023**

This announcement is made by Huaneng Power International, Inc. (the “**Company**”) pursuant to Rule 13.10B of the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited.

According to the Company, in the fourth quarter of 2023, the Company’s total electricity sold by power plants within China on consolidated basis amounted to 110.476 billion KWh, representing an increase of 5.18% over the same period of last year. In 2023, the total electricity sold by power plants of the Company within China on consolidated basis amounted to 447.856 billion KWh, representing an increase of 5.33% over the same period of last year. In 2023, the Company’s average on-grid electricity settlement price for its power plants within China amounted to RMB508.74 per MWh, representing a decrease of 0.23% over the same period of last year. In 2023, the percentage of Company’s market based electricity sold remained unchanged at 88.40% compared to the same period last year.

The increase in the electricity sold by the Company in 2023 was mainly attributable to the year-on-year rise in the Company’s power generation driven by the growth in electricity consumption of the whole society in 2023. Due to factors such as the nationwide reduction in hydropower generation and persistent high temperature and cold wave weather, the Company’s thermal power played a crucial role in peak protection and support regulation during the summer and winter heating periods, resulting in a year-on-year increase in thermal power generation volume. The Company has expedited its development of green and low-carbon energy sources, with significant year-on-year growth in installed capacity and power generation from wind and photovoltaic units (“**PV**”).

The electricity sold (in 100 million kWh) by the Company, by regions, is listed below:

Types of generation/ Region	Electricity Sold			
	October to December 2023	Year-on-Year Change	January to December 2023	Year-on-Year Change
<b>Coal-fired</b>	917.74	3.80%	3,758.04	3.27%
<b>Combined cycle</b>	67.41	-4.76%	277.06	5.15%
<b>Wind-power</b>	87.30	11.99%	318.35	16.14%
<b>PV</b>	28.82	97.11%	109.11	81.67%
<b>Hydro-power</b>	1.40	117.04%	7.48	-7.53%
<b>Biomass power</b>	2.08	-8.58%	8.51	18.29%
<b>Heilongjiang Province</b>	35.28	6.71%	133.04	9.96%
Coal-fired	26.46	1.36%	103.36	4.51%
Wind-power	7.66	26.71%	25.17	36.32%
PV	0.66	2.46%	2.94	-4.69%
Biomass power	0.50	89.29%	1.57	185.69%
<b>Jilin Province</b>	33.71	3.88%	126.66	11.77%
Coal-fired	21.95	1.90%	80.76	3.65%
Wind-power	10.63	15.33%	40.10	38.34%
Hydro-power	0.01	-92.82%	0.51	-47.34%
PV	0.56	-0.78%	2.43	-6.35%
Biomass power	0.56	-40.30%	2.87	0.04%
<b>Liaoning Province</b>	47.99	25.33%	169.74	13.45%
Coal-fired	40.15	18.82%	146.27	8.98%
Wind-power	7.31	79.38%	21.10	58.98%
Hydro-power	0.05	12.42%	0.17	-47.71%
PV	0.48	27.06%	2.21	22.15%
<b>Inner Mongolia</b>	1.79	-22.34%	7.75	0.41%
Wind-power	1.79	-22.34%	7.75	0.41%
<b>Hebei Province</b>	33.41	26.93%	124.00	10.84%
Coal-fired	27.92	22.92%	105.13	5.49%
Wind-power	1.62	-18.94%	6.11	-6.46%
PV	3.87	140.64%	12.76	124.28%
<b>Gansu Province</b>	33.28	-7.90%	131.55	-10.27%
Coal-fired	27.49	-10.50%	105.90	-12.99%
Wind-power	5.78	6.82%	25.65	3.02%
<b>Ningxia</b>	0.04	-2.56%	0.21	-8.20%

Types of generation/ Region	Electricity Sold			
	October to December 2023	Year-on-Year Change	January to December 2023	Year-on-Year Change
PV	0.04	-2.56%	0.21	-8.20%
<b>Beijing</b>	21.52	-10.62%	82.12	-0.78%
Coal-fired	1.09	-52.04%	5.15	-36.83%
Combined cycle	20.44	-6.31%	76.97	3.16%
<b>Tianjin</b>	13.95	7.96%	58.71	9.19%
Coal-fired	11.36	7.66%	49.30	11.71%
Combined cycle	2.54	8.67%	9.20	-3.24%
PV	0.04	70.45%	0.22	57.03%
<b>Shanxi Province</b>	27.33	3.04%	92.23	7.43%
Coal-fired	14.67	2.67%	54.56	9.83%
Combined cycle	7.89	-5.89%	20.53	-0.73%
Wind-power	2.07	4.94%	6.97	11.27%
PV	2.69	43.92%	10.18	10.23%
<b>Shandong Province</b>	184.19	-5.14%	804.38	-2.80%
Coal-fired	172.46	-6.84%	761.12	-4.04%
Wind-power	6.77	19.70%	23.84	16.12%
PV	3.92	69.71%	15.35	52.32%
Biomass power	1.02	-4.90%	4.07	7.75%
<b>Henan Province</b>	54.59	1.86%	231.91	1.06%
Coal-fired	44.71	-0.01%	189.42	-1.52%
Combined cycle	0.07	-35.69%	1.53	13.85%
Wind-power	8.58	-1.73%	34.76	-2.25%
PV	1.24	2,438.93%	6.20	2,524.07%
<b>Jiangsu Province</b>	101.55	1.10%	427.61	4.31%
Coal-fired	74.84	3.55%	317.88	6.84%
Combined cycle	12.44	-15.49%	54.53	-12.28%
Wind-power	12.28	-3.55%	47.22	0.29%
PV	1.99	178.96%	7.97	154.02%
<b>Shanghai</b>	48.10	14.49%	202.39	8.83%
Coal-fired	44.98	15.89%	187.98	9.18%
Combined cycle	3.02	-2.55%	13.96	4.01%
PV	0.10	-0.96%	0.45	22.93%
<b>Chongqing</b>	31.87	-7.70%	144.72	0.42%

Types of generation/ Region	Electricity Sold			
	October to December 2023	Year-on-Year Change	January to December 2023	Year-on-Year Change
Coal-fired	24.31	-6.19%	113.32	2.36%
Combined cycle	6.30	-15.61%	26.55	-8.70%
Wind-power	1.25	8.50%	4.82	11.03%
PV	0.01	—	0.03	—
<b>Zhejiang Province</b>	<b>92.83</b>	<b>15.56%</b>	<b>339.19</b>	<b>5.62%</b>
Coal-fired	82.59	18.35%	305.57	4.10%
Combined cycle	1.46	-49.61%	8.24	-17.38%
Wind-power	8.04	11.55%	22.54	46.50%
PV	0.74	67.18%	2.85	26.02%
<b>Hubei Province</b>	<b>36.05</b>	<b>-15.54%</b>	<b>161.02</b>	<b>-8.49%</b>
Coal-fired	31.53	-21.49%	141.83	-13.21%
Wind-power	1.84	-0.08%	7.32	0.09%
Hydro-power	0.51	787.41%	2.81	45.09%
PV	2.17	245.70%	9.05	176.74%
<b>Hunan Province</b>	<b>21.28</b>	<b>-11.81%</b>	<b>100.83</b>	<b>-3.26%</b>
Coal-fired	18.40	-16.21%	87.29	-6.54%
Wind-power	1.75	1.01%	8.21	14.68%
Hydro-power	0.45	187.02%	2.52	-6.01%
PV	0.68	145.96%	2.82	181.91%
<b>Jiangxi Province</b>	<b>70.74</b>	<b>-7.46%</b>	<b>293.66</b>	<b>0.99%</b>
Coal-fired	65.99	-8.97%	274.04	-0.19%
Wind-power	1.97	-19.49%	9.57	-2.72%
PV	2.78	84.26%	10.05	57.12%
<b>Anhui Province</b>	<b>20.05</b>	<b>13.77%</b>	<b>78.82</b>	<b>10.39%</b>
Coal-fired	14.77	11.27%	58.58	1.51%
Wind-power	2.73	2.53%	11.07	5.44%
Hydro-power	0.09	152.17%	0.74	-9.90%
PV	2.46	48.77%	8.43	255.39%
<b>Fujian Province</b>	<b>46.27</b>	<b>30.52%</b>	<b>171.08</b>	<b>16.48%</b>
Coal-fired	45.78	29.75%	169.15	15.49%
PV	0.49	194.06%	1.92	375.41%
<b>Guangdong Province</b>	<b>67.42</b>	<b>0.85%</b>	<b>296.24</b>	<b>5.82%</b>
Coal-fired	59.41	2.12%	255.64	6.08%

Types of generation/ Region	Electricity Sold			
	October to December 2023	Year-on-Year Change	January to December 2023	Year-on-Year Change
Combined cycle	7.34	-14.56%	38.96	0.86%
Wind-power	0.07	—	0.07	—
PV	0.60	632.47%	1.57	361.88%
<b>Guangxi</b>	<b>2.53</b>	<b>59.18%</b>	<b>10.16</b>	<b>62.65%</b>
Combined cycle	0.73	4.13%	3.24	5.53%
Wind-power	1.67	88.19%	6.80	113.62%
PV	0.13	128,302.70%	0.13	129,667.00%
<b>Yunnan Province</b>	<b>46.85</b>	<b>120.32%</b>	<b>149.40</b>	<b>89.99%</b>
Coal-fired	43.76	116.55%	141.73	90.96%
Wind-power	2.67	153.23%	6.40	48.03%
Hydro-power	—	-100.00%	—	-100.00%
PV	0.42	—	1.27	—
<b>Guizhou Province</b>	<b>2.55</b>	<b>48.13%</b>	<b>9.70</b>	<b>21.22%</b>
Wind-power	0.49	15.73%	1.96	14.57%
PV	2.07	58.57%	7.74	23.03%
<b>Hainan Province</b>	<b>29.60</b>	<b>16.31%</b>	<b>131.43</b>	<b>33.05%</b>
Coal-fired	23.11	-3.60%	104.06	10.33%
Combined cycle	5.17	703.58%	23.37	2,213.01%
Wind-power	0.34	-17.53%	0.92	-11.18%
Hydro-power	0.28	87.12%	0.74	-42.25%
PV	0.69	164.23%	2.35	104.79%
<b>Total</b>	<b>1,104.76</b>	<b>5.18%</b>	<b>4,478.56</b>	<b>5.33%</b>

For the fourth quarter of 2023, the power generation of Tuas Power Limited in Singapore, which is wholly-owned by the Company, accounted for a market share of 19.0% in Singapore, representing a decrease of 2.9 percentage points over the same period of last year. The relevant market share reached to 20.4% in terms of total power generation in 2023, representing a decrease of 1.9 percentage points over the same period of last year.

In the fourth quarter of 2023, the new generation units put into operation were as follows:

<b>Type</b>	<b>Controlled Installed Capacity (in MW)</b>
Wind-power	1,017.45
PV	3,416.72
<b>Total</b>	<b>4,434.17</b>

In the fourth quarter of 2023, units 4 and 5 (capacity 2\*145 MW) of the Company's Shandong Baiyanghe Power Plant were shut down.

Based on the above, in 2023, the Company newly added installed generation capacity was 10,004MW, of which the installed capacity of new energy was 8,859MW; the shutdown installed generation capacity was 1,755 MW. As of 31 December 2023, the Company had a controlled installed generation capacity of 135,655MW, of which the installed capacity of new energy was 28,611MW.

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:

Wang Kui ( <i>Executive Director</i> )	Xia Qing ( <i>Independent Non-executive Director</i> )
Wang Zhijie ( <i>Executive Director</i> )	He Qiang ( <i>Independent Non-executive Director</i> )
Huang Lixin ( <i>Executive Director</i> )	Zhang Liying ( <i>Independent Non-executive Director</i> )
Du Daming ( <i>Non-executive Director</i> )	Zhang Shouwen ( <i>Independent Non-executive Director</i> )
Zhou Yi ( <i>Non-executive Director</i> )	Dang Ying ( <i>Independent Non-executive Director</i> )
Li Lailong ( <i>Non-executive Director</i> )	
Cao Xin ( <i>Non-executive Director</i> )	
Li Haifeng ( <i>Non-executive Director</i> )	
Ding Xuchun ( <i>Non-executive Director</i> )	
Wang Jianfeng ( <i>Non-executive Director</i> )	

Beijing, the PRC  
16 January 2024