



**HUANENG POWER INTERNATIONAL, INC.  
POWER GENERATION WITHIN CHINA INCREASES BY 27.80%  
FOR THE FIRST HALF YEAR**

(Beijing, China, July 17, 2017) Huaneng Power International, Inc. (“HPI” or the “Company”) (NYSE: HNP; HKEX: 902; SSE: 600011) today announced its power generation for the first half year of 2017.

According to the preliminary statistics of the Company, for the second quarter of 2017, the Company’s total power generation by its power plants within China amounted to 90.697 billion kWh on consolidated basis, representing an increase of 31.03% over the same period last year, and the total electricity sold by the Company amounted to 85.624 billion kWh, representing an increase of 31.02% over the same period last year. For the first half year of 2017, the Company’s total power generation by its power plants within China amounted to 186.685 billion kWh on consolidated basis, representing an increase of 27.80% over the same period last year, and the total electricity sold by the Company amounted to 176.121 billion kWh, representing an increase of 27.55% over the same period last year. For the first half year of 2017, the Company’s average on-grid electricity settlement price for its power plants within China amounted to RMB 407.49 per MWh, representing an increase of 3.30% over the same period last year.

The increase in the Company’s power generation for the first half year of 2017 was mainly attributable to the following reasons: (1) the Company’s acquisition of power assets in Heilongjiang, Jilin and Shandong areas was conducive to the substantial increase in the level of power generation of the Company; and (2) the Company’s thermal power generation in central China and east China rose year-on-year.

The power generation (in billion kWh) by each region of the Company's domestic power plants are listed below:

Region	Power Generation				Electricity sold			
	April to June 2017	Change	January to June 2017	Change	April to June 2017	Change	January to June 2017	Change
<b>*Heilongjiang Province</b>	<b>3.183</b>	<b>2.16%</b>	<b>6.416</b>	<b>6.15%</b>	<b>2.983</b>	<b>2.12%</b>	<b>6.015</b>	<b>6.33%</b>
*Coal-fired	2.867	-1.32%	5.981	4.92%	2.674	-1.46%	5.588	5.08%
*Wind-power	0.316	50.33%	0.436	26.63%	0.309	49.03%	0.426	26.08%
<b>*Jilin Province</b>	<b>1.982</b>	<b>17.89%</b>	<b>3.983</b>	<b>11.89%</b>	<b>1.877</b>	<b>17.26%</b>	<b>3.752</b>	<b>12.45%</b>
*Coal-fired	1.620	15.05%	3.416	8.50%	1.528	15.27%	3.211	8.59%
*Wind-power	0.283	44.58%	0.426	51.70%	0.274	35.01%	0.410	57.65%
*Hydro-power	0.038	30.15%	0.045	47.01%	0.038	30.14%	0.044	47.04%
*PV	0.0003	–	0.0003	–	0.0003	–	0.0003	–
* Biomass power	0.041	-15.47%	0.096	-3.81%	0.036	-14.78%	0.086	-3.50%
<b>Liaoning Province</b>	<b>3.361</b>	<b>-10.78%</b>	<b>8.571</b>	<b>-3.79%</b>	<b>3.135</b>	<b>-11.28%</b>	<b>8.013</b>	<b>-4.28%</b>
Coal-fired	3.237	-11.14%	8.371	-4.10%	3.012	-11.68%	7.815	-4.61%
Wind-power	0.102	-3.52%	0.169	9.95%	0.101	-3.73%	0.168	9.79%
Hydro-power	0.013	-18.98%	0.014	-40.66%	0.013	-19.31%	0.014	-40.84%
PV	0.0094	226.58%	0.0171	496.13%	0.0091	250.64%	0.0165	539.50%
<b>Inner Mogolia</b>	<b>0.063</b>	<b>-11.44%</b>	<b>0.112</b>	<b>-6.26%</b>	<b>0.063</b>	<b>-12.00%</b>	<b>0.111</b>	<b>-6.58%</b>
Wind-power	0.063	-11.44%	0.112	-6.26%	0.063	-12.00%	0.111	-6.58%
<b>Hebei Province</b>	<b>3.901</b>	<b>7.69%</b>	<b>6.767</b>	<b>2.40%</b>	<b>3.673</b>	<b>7.80%</b>	<b>6.364</b>	<b>2.12%</b>
Coal-fired	3.828	6.83%	6.640	1.51%	3.604	6.90%	6.257	1.44%
Wind-power	0.061	60.63%	0.106	59.14%	0.059	62.97%	0.087	37.15%
PV	0.0109	3503.47%	0.0208	6786.72%	0.0103	–	0.0196	–
<b>Gansu Province</b>	<b>1.928</b>	<b>-20.98%</b>	<b>5.110</b>	<b>0.31%</b>	<b>1.818</b>	<b>-21.62%</b>	<b>4.844</b>	<b>-0.46%</b>
Coal-fired	1.520	-27.46%	4.397	-0.26%	1.428	-28.19%	4.157	-1.21%

Region	Power Generation				Electricity sold			
	April to June 2017	Change	January to June 2017	Change	April to June 2017	Change	January to June 2017	Change
Wind-power	0.408	18.51%	0.713	3.95%	0.390	17.91%	0.686	4.30%
<b>Ningxia</b>	<b>0.0004</b>	<b>-</b>	<b>0.0004</b>	<b>-</b>	<b>0.0004</b>	<b>-</b>	<b>0.0004</b>	<b>-</b>
PV	0.0004	-	0.0004	-	0.0004	-	0.0004	-
<b>Beijing</b>	<b>0.958</b>	<b>-29.80%</b>	<b>3.347</b>	<b>-12.21%</b>	<b>0.935</b>	<b>-26.95%</b>	<b>3.149</b>	<b>-11.04%</b>
Coal-fired	-	-100.00%	1.086	-36.18%	-	-100.00%	0.945	-36.08%
Combined Cycle	0.958	11.40%	2.261	7.13%	0.935	10.86%	2.204	6.91%
<b>Tianjin</b>	<b>1.477</b>	<b>32.13%</b>	<b>3.245</b>	<b>-1.80%</b>	<b>1.398</b>	<b>32.54%</b>	<b>3.050</b>	<b>-2.00%</b>
Coal-fired	1.060	27.44%	2.690	8.07%	0.991	27.73%	2.509	8.26%
Combined Cycle	0.417	45.76%	0.554	-31.96%	0.407	45.95%	0.541	-31.94%
PV	0.00001	-	0.00001	-	-	-	-	-
<b>Shanxi Province</b>	<b>2.842</b>	<b>-8.17%</b>	<b>5.408</b>	<b>-10.14%</b>	<b>2.668</b>	<b>-7.92%</b>	<b>5.096</b>	<b>-10.02%</b>
Coal-fired	2.115	-25.48%	3.444	-23.89%	1.960	-26.01%	3.185	-24.40%
Combined Cycle	0.727	182.71%	1.964	31.48%	0.709	184.08%	1.911	31.76%
PV	0.0004	-	0.0004	-	-	-	-	-
<b>Shandong Province</b>	<b>21.212</b>	<b>101.94%</b>	<b>41.852</b>	<b>114.58%</b>	<b>19.927</b>	<b>101.05%</b>	<b>39.218</b>	<b>113.55%</b>
Coal-fired	21.042	100.32%	41.540	112.98%	19.761	99.38%	38.917	111.91%
*Wind-power	0.133	28.08%	0.257	14.13%	0.132	0.00%	0.250	12.77%
*PV	0.0367	182.82%	0.0547	175.17%	0.0336	0.00%	0.0508	215.39%
<b>Henan Province</b>	<b>4.890</b>	<b>16.15%</b>	<b>10.872</b>	<b>21.48%</b>	<b>4.616</b>	<b>15.97%</b>	<b>10.257</b>	<b>21.21%</b>
Coal-fired	4.376	3.94%	9.863	10.20%	4.112	3.33%	9.269	9.53%
*Combined Cycle	0.494	31.68%	0.970	14.04%	0.483	31.60%	0.949	13.99%
Wind-power	0.019	-	0.038	-	0.018	-	0.038	-

Region	Power Generation				Electricity sold			
	April to June 2017	Change	January to June 2017	Change	April to June 2017	Change	January to June 2017	Change
PV	0.0014	–	0.0014	–	0.0014	–	0.0014	–
<b>Jiangsu Province</b>	<b>11.499</b>	<b>20.03%</b>	<b>21.385</b>	<b>9.27%</b>	<b>10.921</b>	<b>20.10%</b>	<b>20.292</b>	<b>9.04%</b>
Coal-fired	10.193	15.71%	18.942	5.19%	9.641	15.66%	17.918	4.91%
Combined Cycle	1.098	69.60%	2.013	57.04%	1.076	69.37%	1.974	56.76%
Wind-power	0.197	58.21%	0.419	48.86%	0.192	57.15%	0.388	43.47%
PV	0.012	–	0.012	–	0.0117	–	0.0117	–
<b>Shanghai</b>	<b>3.604</b>	<b>-13.35%</b>	<b>8.766</b>	<b>-2.77%</b>	<b>3.410</b>	<b>-13.52%</b>	<b>8.312</b>	<b>-2.87%</b>
Coal-fired	3.183	-14.18%	7.838	-4.54%	2.999	-14.38%	7.405	-4.71%
Combined Cycle	0.421	-6.54%	0.929	15.30%	0.412	-6.65%	0.908	15.29%
<b>Chongqing</b>	<b>1.554</b>	<b>-6.11%</b>	<b>4.211</b>	<b>-1.64%</b>	<b>1.432</b>	<b>-6.26%</b>	<b>3.912</b>	<b>-1.42%</b>
Coal-fired	1.353	-6.17%	3.482	-4.86%	1.237	-6.36%	3.202	-4.82%
Combined Cycle	0.201	-5.72%	0.729	17.34%	0.195	-5.61%	0.710	17.47%
<b>Zhejiang Province</b>	<b>7.185</b>	<b>42.01%</b>	<b>13.443</b>	<b>20.88%</b>	<b>6.904</b>	<b>42.32%</b>	<b>12.915</b>	<b>21.13%</b>
Coal-fired	7.034	40.48%	13.204	20.29%	6.757	40.78%	12.682	20.54%
Combined Cycle	0.138	177.59%	0.216	54.63%	0.135	176.55%	0.211	54.28%
PV	0.0133	387.75%	0.0227	401.74%	0.0126	356.12%	0.0218	399.95%
<b>Hubei Province</b>	<b>2.492</b>	<b>19.39%</b>	<b>6.531</b>	<b>9.52%</b>	<b>2.320</b>	<b>18.85%</b>	<b>6.111</b>	<b>9.05%</b>
Coal-fired	2.297	17.96%	6.232	8.17%	2.130	17.25%	5.819	7.61%
Wind-power	0.080	187.07%	0.146	151.05%	0.078	186.88%	0.143	152.02%
Hydro-power	0.115	2.63%	0.154	6.26%	0.112	3.28%	0.149	6.51%
PV	0.00001	–	0.00001	–	–	–	–	–
<b>Hunan Province</b>	<b>1.358</b>	<b>19.74%</b>	<b>3.908</b>	<b>25.87%</b>	<b>1.263</b>	<b>19.36%</b>	<b>3.654</b>	<b>25.17%</b>

Region	Power Generation				Electricity sold			
	April to June 2017	Change	January to June 2017	Change	April to June 2017	Change	January to June 2017	Change
Coal-fired	1.104	26.09%	3.419	30.67%	1.013	26.11%	3.171	30.11%
Wind-power	0.136	-9.55%	0.289	5.39%	0.135	-9.69%	0.286	5.36%
Hydro-power	0.116	7.78%	0.198	-7.23%	0.114	7.80%	0.195	-7.23%
PV	0.0014	–	0.0014	–	0.0014	–	0.0014	–
<b>Jiangxi Province</b>	<b>4.458</b>	<b>35.45%</b>	<b>8.988</b>	<b>18.59%</b>	<b>4.251</b>	<b>36.01%</b>	<b>8.590</b>	<b>18.88%</b>
Coal-fired	4.415	35.00%	8.893	18.10%	4.217	35.80%	8.503	18.48%
Wind-power	0.043	103.92%	0.096	92.06%	0.035	67.45%	0.086	76.87%
<b>Anhui Province</b>	<b>1.343</b>	<b>12.92%</b>	<b>2.846</b>	<b>1.33%</b>	<b>1.281</b>	<b>14.74%</b>	<b>2.724</b>	<b>2.30%</b>
Coal-fired	1.285	15.48%	2.737	0.96%	1.224	15.72%	2.616	1.30%
Wind-power	0.025	47.82%	0.059	243.35%	0.025	–	0.058	–
Hydro-power	0.032	-45.36%	0.050	-37.92%	0.032	-45.48%	0.050	-38.03%
<b>Fujian Province</b>	<b>2.182</b>	<b>22.32%</b>	<b>4.025</b>	<b>18.68%</b>	<b>2.056</b>	<b>22.49%</b>	<b>3.793</b>	<b>18.82%</b>
Coal-fired	2.182	22.30%	4.025	18.68%	2.056	22.49%	3.793	18.82%
PV	0.0002	–	0.0002	–	–	–	–	–
<b>Guangdong Province</b>	<b>5.231</b>	<b>30.34%</b>	<b>9.234</b>	<b>17.59%</b>	<b>4.995</b>	<b>30.46%</b>	<b>8.837</b>	<b>17.70%</b>
Coal-fired	5.226	30.21%	9.224	17.46%	4.990	30.32%	8.827	17.57%
PV	0.0052	–	0.0100	–	0.0052	–	0.0100	–
<b>Yunnan Province</b>	<b>0.900</b>	<b>-23.19%</b>	<b>1.881</b>	<b>-10.93%</b>	<b>0.833</b>	<b>-22.97%</b>	<b>1.743</b>	<b>-10.38%</b>
Coal-fired	0.801	-27.16%	1.631	-16.32%	0.736	-27.18%	1.501	-16.21%
Wind-power	0.100	36.65%	0.250	53.61%	0.097	37.69%	0.242	57.43%
<b>Guizhou</b>	<b>0.014</b>	<b>-0.95%</b>	<b>0.034</b>	<b>39.87%</b>	<b>0.014</b>	<b>2.07%</b>	<b>0.033</b>	<b>91.29%</b>
Wind-power	0.014	-0.95%	0.034	39.87%	0.014	2.07%	0.033	91.29%
<b>Hainan Province</b>	<b>3.074</b>	<b>-21.03%</b>	<b>5.742</b>	<b>-17.26%</b>	<b>2.852</b>	<b>-21.38%</b>	<b>5.335</b>	<b>-17.56%</b>

Region	Power Generation				Electricity sold			
	April to June 2017	Change	January to June 2017	Change	April to June 2017	Change	January to June 2017	Change
Coal-fired	2.984	-22.52%	5.591	-18.33%	2.763	-23.00%	5.187	-18.73%
Combined Cycle	0.002	-91.43%	0.008	-80.34%	0.002	-91.07%	0.008	-79.59%
Wind-power	0.020	12.22%	0.053	14.45%	0.019	12.02%	0.051	14.35%
Hydro-power	0.063	2,500.62%	0.080	878.87%	0.062	2,909.88%	0.079	952.18%
PV	0.0055	–	0.0101	–	0.0054	–	0.0099	–
<b>Total</b>	<b>90.697</b>	<b>31.03%</b>	<b>186.685</b>	<b>27.80%</b>	<b>85.624</b>	<b>31.02%</b>	<b>176.121</b>	<b>27.55%</b>

Note: The remark \* represented the regional companies or power plants involved in the new acquisition by the Company at the end of 2016. They had been incorporated in the Company's financial statements since 1 January 2017, and the year-on-year data of which is for information only.

For the second quarter of 2017, the power generation of Tuas Power Limited in Singapore, which is wholly-owned by the Company, accounted for a market share of 21.8% in Singapore, representing an increase of 0.4 percentage point compared to the same period of last year. The total market share of power generation in the first half year amounted to 21.5%, with a decrease of 0.1 percentage point compared to the same period of last year.

In addition, the wind power units with a total capacity of 52MW (26x2) of Huaneng Jiangxi Linghuashan Wind Power Plant, the 50MW photovoltaic power units (PV units) of Shanxi Yushe Photovoltaic Power Plant, the 15MW PV units of Jilin Linjiang Jubao Photovoltaic Power Plant, the 10MW PV units of Fujian Changle Photovoltaic Power Plant, the 14.1 MW PV units of Jiangsu Guanyun Photovoltaic Power Plant and the 16.13MW PV units of Zhejiang Huzhou Distributed Photovoltaic Power Plant (each being wholly owned by the Company) as well as the 40MW PV units of Huichang Photovoltaic Project of Huaneng Jiangsu Taicang Power Plant (75% owned by the Company), the 10MW PV units of Hunan Yueyang Xingang Photovoltaic Power Plant (60% owned by the Company), the 20MW PV units of Huichang Photovoltaic Project of Henan Qinbei Power Plant (60% owned by the Company), the 20MW PV units of Hunan Yueyang Leigutai Photovoltaic Power Plant (55% owned by the Company), the 2.2MW PV units of Tianjin Chenxi Photovoltaic Power Plant (55% owned by the Company), the 20MW PV units of Huaneng Shandong Laiwu Niuquan Photovoltaic Power Plant (80% owned by the Company), the 6.3MW PV units of Shandong Furuite Rooftop Photovoltaic Power Plant (76% owned by the Company), the 19.75MW PV units of Shandong Weihai Haibu Photovoltaic Power Plant (80% owned by the Company), the 100MW PV

units of Shandong Zhanhua Qingfenghu Photovoltaic Power Plant (46% owned by the Company), the 19.8MW PV units of Shandong Ruyi Helan Photovoltaic Power Plant (40% owned by the Company) and the 12.5MW PV units of Huichang Photovoltaic Project of Hainan Haikou Power Plant (91.8% owned by the Company) have been put into operation in the second quarter. Meanwhile, the installed capacity of certain power plants invested by the Company also changed. As of 30 June 2017, the Company had a controlled installed capacity of 101,698MW and an equity-based installed capacity of 90,796MW.

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**About Huaneng Power International, Inc.**

Huaneng Power International, Inc. is one of China's largest listed power producers with controlled generation capacity of 101,698 MW and equity-based generation capacity of 90,796MW. The power plants of the Company are located in 25 provinces, municipalities and autonomous regions in China. The Company also has a wholly-owned power company in Singapore.

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