

HUANENG POWER INTERNATIONAL INC  
Form 6-K  
October 15, 2010

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16 of  
The Securities Exchange Act of 1934

For the month of October, 2010

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)  
Form 20-F  Form 40-F \_\_\_\_\_

(Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)  
Yes \_\_\_ No

(If "Yes" is marked, indicate below the file number assigned to registrant in connection with Rule 12g3-2(b):  
82-\_\_\_\_\_. )  
N/A

Huaneng Power International, Inc.  
Huaneng Building,  
4 Fuxingmennei Street,  
Xicheng District,  
Beijing, 100031 PRC

This Form 6-K consists of:

An announcement on power generation increase of Huaneng Power Inc. (the “Registrant”) in the first three quarters of 2010, made by the Registrant on October 14, 2010.

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POWER GENERATION INCREASES 32%  
IN THE FIRST THREE QUARTERS OF 2010

This announcement is made pursuant to Rules 13.09(1) and (2) of the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited.

Huaneng Power International, Inc. (the "Company") announces its power generation in the first three quarters of 2010.

According to the Company's preliminary statistics, as of 30 September 2010, the Company's total domestic power generation within China on consolidated basis amounted to 190.903 billion kWh, representing an increase of 32% over the same period last year. Accumulated on-grid electricity sold amounted to 179.635 billion kWh.

The increase in power generation of the Company was mainly attributable to the following reasons:

1. the Company has increased its sales efforts, thereby grasping the growth trend of the national economy in 2010 and the favourable conditions for substantial increase in the national electricity demand, expanding various marketing channels and increasing power generation;
  2. under the impact of the global financial crisis, the national electricity demand for the first three quarters of 2009 was depressed. The base number of the power generation was relatively lower, resulting in a relatively higher growth in 2010 as compared to the same period of last year; and
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3. the electricity generation contributable by the new generating units.

The power generation/on-grid electricity sold by each of the Company's domestic power plants in the first three quarters of 2010 are listed below (in billion kWh):

Domestic Power Plant	Power generation for the first three quarters of 2010	Power generation for the first three quarters of 2009	Change	On-grid electricity sold for the first three quarters of 2010
Liaoning Province				
Dalian	6.120	6.152	-0.52%	5.825
Dandong	3.010	2.929	2.77%	2.864
Yingkou	7.405	6.863	7.90%	6.947
Yingkou Co-generation	2.790	—	—	2.595
Inner Mongolia				
Huade Wind Power	0.095	—	—	0.093
Hebei Province				
Shang'an	10.447	8.638	20.94%	9.810
Gansu Province				
Pingliang	5.940	3.567	66.53%	5.612
Beijing				
Beijing Co-generation	3.491	3.061	14.05%	3.085
Tianjin				
Yangliuqing Co-generation	4.823	4.202	14.78%	4.491
Shanxi Province				
Yushe	3.695	3.317	11.40%	3.409
Shandong Province				
Dezhou	12.134	10.966	10.65%	11.452

Jining	3.921	1.513	159.15%	3.631
Xindian	2.716	2.483	9.38%	2.551
Weihai	3.002	2.660	12.86%	2.828
Rizhao Phase II	6.232	5.174	20.45%	5.910
Henan Province				
Qinbei	10.437	8.731	19.54%	9.840
Jiangsu Province				
Nantong	6.530	5.604	16.52%	6.238
Nanjing	2.804	2.541	10.35%	2.644
Taicang	8.959	8.340	7.42%	8.217
Huaiyin	6.048	5.255	15.09%	5.691
Jinling				
(Combined-cycle)	1.656	1.891	-12.43%	1.616
Jinling (Coal-fired)	5.166	—	—	4.888
Qidong Wind Power	0.157	0.105*	49.52%	0.154
Shanghai				
Shidongkou First	5.938	5.175	14.74%	5.582
Shidongkou Second	4.875	4.663	4.55%	4.673
Shanghai				
Combined-cycle	1.634	0.674	142.43%	1.594
Shidongkou Power	3.481	—	—	3.278
Chongqing				
Luohuang	8.976	7.402	21.26%	8.250
Zhejiang Province				
Changxing	1.077	1.187	-9.27%	0.989
Yuhuan	16.871	14.762	14.29%	16.069
Hunan province				
Yueyang	4.048	3.245	24.75%	3.765
Jiangxi Province				
Jinggangshan	6.022	2.096	187.31%	5.732
Fujian Province				
Fuzhou	5.750	5.975	-3.77%	5.471

Guangdong Province				
Shantou Coal-fired	5.372	4.615	16.40%	5.019
Haimen	9.281	1.023	807.23%	8.822
Total	190.903	144.704	32%	179.635

\*The figures relating to the power generation of Qidong Wind Power Plant for the first three quarters of 2009 are included for reference only and were not accounted for in the Company's total power generation for the first three quarters of 2009.

The accumulated power generation of Tuas Power Limited in Singapore for the first three quarters of 2010 accounted for a market share of 24.6% in Singapore, representing an increase of 0.4 percentage points as compared to 24.2% of the same period last year.

By Order of the Board  
 Gu Biquan  
 Company Secretary

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

Cao Peixi  
 (Executive Director)  
 Huang Long  
 (Non-executive Director)  
 Wu Dawei  
 (Non-executive Director)  
 Huang Jian  
 (Non-executive Director)  
 Liu Guoyue  
 (Executive Director)  
 Fan Xiaxia  
 (Executive Director)  
 Shan Qunying  
 (Non-executive Director)  
 Xu Zujian  
 (Non-executive Director)

Liu Jipeng  
 (Independent Non-executive Director)  
 Yu Ning  
 (Independent Non-executive Director)  
 Shao Shiwei  
 (Independent Non-executive Director)  
 Zheng Jianchao  
 (Independent Non-executive Director)  
 Wu Liansheng  
 (Independent Non-executive Director)

Huang Mingyuan  
(Non-executive Director)  
Liu Shuyuan  
(Non-executive Director)

Beijing, the PRC  
14 October 2010

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the under-signed, thereunto duly authorized.

HUANENG POWER INTERNATIONAL, INC.

By:	/s/ Gu Biquan
Name:	Gu Biquan
Title:	Company Secretary

Date: October 14, 2010

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