

HUANENG POWER INTERNATIONAL INC  
Form 6-K  
July 13, 2011

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 July, 2011

(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):

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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 increase of power generation within China for the first half year of 2011 by Huaneng Power International, Inc. (the "Registrant") , made by the Registrant on July 13, 2011.

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POWER GENERATION WITHIN CHINA INCREASES 28.25%  
FOR THE FIRST HALF YEAR OF 2011

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 for the first half year of 2011.

According to the Company's preliminary statistics, as of 30 June 2011, the Company's total power generation within China on consolidated basis amounted to 152.404 billion kWh, representing an increase of 28.25% over the same period last year. Accumulated electricity sold amounted to 143.718 billion kWh, representing an increase of 28.30% over the same period last year.

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

1. grasping the growth trend of the national economy in 2011 and the favourable conditions for substantial increase in the national electricity demand, the Company had expanded various marketing channels and increased power generation; and
  2. Various new generating units of the Company had commenced operation since the second half year of 2010 and the completion of the acquisition of Diandong Energy Company and Zhanhua Co-generation by the Company, thereby increasing the market share.
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The power generation and electricity sold by each of the Company's domestic power plants for the first half year of 2011 are listed below (in billion kWh):

| Domestic Power Plant      | Power generation for the first half of 2011 | Power generation for the first half of 2010 | Change  | Electricity sold for the first half of 2011 | Electricity sold for the first half of 2010 | Change  |
|---------------------------|---------------------------------------------|---------------------------------------------|---------|---------------------------------------------|---------------------------------------------|---------|
| <b>Liaoning Province</b>  |                                             |                                             |         |                                             |                                             |         |
| Dalian                    | 3.313                                       | 4.160                                       | -20.36% | 3.147                                       | 3.968                                       | -20.69% |
| Dandong                   | 1.630                                       | 1.927                                       | -15.41% | 1.554                                       | 1.835                                       | -15.31% |
| Yingkou                   | 4.031                                       | 4.918                                       | -18.04% | 3.780                                       | 4.624                                       | -18.25% |
| Yingkou Co-generation     | 1.669                                       | 1.811                                       | -7.84%  | 1.556                                       | 1.684                                       | -7.60%  |
| <b>Inner Mongolia</b>     |                                             |                                             |         |                                             |                                             |         |
| Huade Wind Power          | 0.072                                       | 0.074                                       | -2.70%  | 0.071                                       | 0.073                                       | -2.74%  |
| <b>Hebei Province</b>     |                                             |                                             |         |                                             |                                             |         |
| Shang'an                  | 7.481                                       | 6.564                                       | 13.97%  | 7.051                                       | 6.174                                       | 14.20%  |
| Kangbao Wind Power        | 0.00029                                     | —                                           | —       | —                                           | —                                           | —       |
| <b>Gansu Province</b>     |                                             |                                             |         |                                             |                                             |         |
| Pingliang                 | 6.527                                       | 4.017                                       | 62.48%  | 6.187                                       | 3.804                                       | 62.64%  |
| <b>Beijing</b>            |                                             |                                             |         |                                             |                                             |         |
| Beijing Co-generation     | 2.263                                       | 2.312                                       | -2.12%  | 1.990                                       | 2.033                                       | -2.12%  |
| <b>Tianjin</b>            |                                             |                                             |         |                                             |                                             |         |
| Yangliuqing Co-generation | 3.167                                       | 3.045                                       | 4.01%   | 2.962                                       | 2.832                                       | 4.59%   |
| <b>Shanxi Province</b>    |                                             |                                             |         |                                             |                                             |         |
| Yushe                     | 2.137                                       | 2.490                                       | -14.18% | 1.974                                       | 2.300                                       | -14.17% |
| <b>Shandong Province</b>  |                                             |                                             |         |                                             |                                             |         |
| Dezhou                    | 7.743                                       | 7.610                                       | 1.75%   | 7.294                                       | 7.179                                       | 1.60%   |
| Jining                    | 2.531                                       | 2.495                                       | 1.44%   | 2.357                                       | 2.313                                       | 1.90%   |
| Xindian                   | 1.678                                       | 1.645                                       | 2.01%   | 1.573                                       | 1.548                                       | 1.61%   |
| Weihai                    | 5.121                                       | 1.903                                       | 169.10% | 4.872                                       | 1.791                                       | 172.03% |
| Rizhao Phase II           | 4.174                                       | 3.771                                       | 10.69%  | 3.953                                       | 3.585                                       | 10.26%  |

| Domestic Power Plant        | Power generation for the first half of 2011 | Power generation for the first half of 2010 | Change  | Electricity sold for the first half of 2011 | Electricity sold for the first half of 2010 | Change  |
|-----------------------------|---------------------------------------------|---------------------------------------------|---------|---------------------------------------------|---------------------------------------------|---------|
| Zhanhua Co-generation*      | 0.859                                       | 0.976                                       | -11.99% | 0.786                                       | —                                           | —       |
| Henan Province              |                                             |                                             |         |                                             |                                             |         |
| Qinbei                      | 7.668                                       | 6.673                                       | 14.91%  | 7.240                                       | 6.312                                       | 14.70%  |
| Jiangsu Province            |                                             |                                             |         |                                             |                                             |         |
| Nantong                     | 4.738                                       | 4.057                                       | 16.79%  | 4.527                                       | 3.881                                       | 16.65%  |
| Nanjing                     | 1.981                                       | 1.796                                       | 10.30%  | 1.870                                       | 1.695                                       | 10.32%  |
| Taicang                     | 5.695                                       | 5.849                                       | -2.63%  | 5.389                                       | 5.508                                       | -2.16%  |
| Huaiyin                     | 3.582                                       | 3.981                                       | -10.02% | 3.372                                       | 3.749                                       | -10.06% |
| Jinling<br>(Combined-cycle) | 1.443                                       | 0.941                                       | 53.35%  | 1.408                                       | 0.919                                       | 53.21%  |
| Jinling (Coal-fired)        | 5.652                                       | 3.297                                       | 71.43%  | 5.380                                       | 3.135                                       | 71.61%  |
| Qidong Wind Power           | 0.141                                       | 0.114                                       | 23.68%  | 0.137                                       | 0.112                                       | 22.32%  |
| Shanghai                    |                                             |                                             |         |                                             |                                             |         |
| Shidongkou First            | 3.749                                       | 3.720                                       | 0.78%   | 3.528                                       | 3.504                                       | 0.68%   |
| Shidongkou Second           | 3.987                                       | 3.041                                       | 31.11%  | 3.835                                       | 2.922                                       | 31.25%  |
| Shanghai<br>Combined-cycle  | 0.717                                       | 0.533                                       | 34.52%  | 0.699                                       | 0.520                                       | 34.42%  |
| Shidongkou Power            | 3.290                                       | —                                           | —       | 3.111                                       | —                                           | —       |
| Chongqing                   |                                             |                                             |         |                                             |                                             |         |
| Luohuang                    | 8.287                                       | 6.301                                       | 31.52%  | 7.695                                       | 5.800                                       | 32.67%  |
| Zhejiang Province           |                                             |                                             |         |                                             |                                             |         |
| Yuhuan                      | 13.099                                      | 10.338                                      | 26.71%  | 12.487                                      | 9.851                                       | 26.76%  |
| Hunan province              |                                             |                                             |         |                                             |                                             |         |
| Yueyang                     | 4.711                                       | 2.697                                       | 74.68%  | 4.428                                       | 2.509                                       | 76.48%  |
| Jiangxi Province            |                                             |                                             |         |                                             |                                             |         |
| Jinggangshan                | 4.722                                       | 3.772                                       | 25.19%  | 4.494                                       | 3.593                                       | 25.08%  |
| Fujian Province             |                                             |                                             |         |                                             |                                             |         |

|                      | Power<br>generation for<br>the first half<br>of 2011 | Power<br>generation for<br>the first half<br>of 2010 | Change  | Electricity<br>sold for<br>the first half<br>of 2011 | Electricity<br>sold for<br>the first half<br>of 2010 | Change  |
|----------------------|------------------------------------------------------|------------------------------------------------------|---------|------------------------------------------------------|------------------------------------------------------|---------|
| Domestic Power Plant |                                                      |                                                      |         |                                                      |                                                      |         |
| Fuzhou               | 6.015                                                | 2.844                                                | 111.50% | 5.714                                                | 2.707                                                | 111.08% |
| Guangdong Province   |                                                      |                                                      |         |                                                      |                                                      |         |
| Shantou Coal-fired   | 3.300                                                | 3.649                                                | -9.56%  | 3.091                                                | 3.413                                                | -9.43%  |
| Haimen               | 5.567                                                | 5.625                                                | -1.03%  | 5.312                                                | 5.344                                                | -0.60%  |
| Yunnan Province      |                                                      |                                                      |         |                                                      |                                                      |         |
| Diandong Energy*     | 6.296                                                | 7.454                                                | -15.54% | 5.805                                                | —                                                    | —       |
| Yuwang Energy*       | 3.368                                                | 3.567                                                | -5.58%  | 3.089                                                | —                                                    | —       |
| Total                | 152.404                                              | 118.836                                              | 28.25%  | 143.718                                              | 112.014                                              | 28.30%  |

\* The figures representing the power generation of Shandong Zhanhua Co-generation, Yunnan Diandong Energy and Yuwang Energy for the first half year of 2010 were for information only. These figures had not been included in the total figures for the Company's power generation in the first half year of 2010.

The accumulated power generation of Tuas Power Limited in Singapore for the first half year of 2011 accounted for a market share of 26.7% in Singapore, representing an increase of 2.2 percentage points as compared to 24.5% of the same period last year.

By Order of the Board  
Huaneng Power International, Inc.  
Gu Biquan  
Company Secretary

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

|                                            |                                                       |
|--------------------------------------------|-------------------------------------------------------|
| Cao Peixi<br>(Executive Director)          | Shao Shiwei<br>(Independent Non-executive Director)   |
| Huang Long<br>(Non-executive Director)     | Wu Liansheng<br>(Independent Non-executive Director)  |
| Li Shiqi<br>(Non-executive Director)       | Li Zhensheng<br>(Independent Non-executive Director)  |
| Huang Jian<br>(Non-executive Director)     | Qi Yudong<br>(Independent Non-executive Director)     |
| Liu Guoyue<br>(Executive Director)         | Zhang Shouwen<br>(Independent Non-executive Director) |
| Fan Xiaxia<br>(Executive Director)         |                                                       |
| Shan Qunying<br>(Non-executive Director)   |                                                       |
| Liu Shuyuan<br>(Non-executive Director)    |                                                       |
| Xu Zujian<br>(Non-executive Director)      |                                                       |
| Huang Mingyuan<br>(Non-executive Director) |                                                       |

Beijing, the PRC  
13 July 2011

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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: July 13, 2011