

HUANENG POWER INTERNATIONAL INC  
Form 6-K  
July 16, 2014

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 2014

(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,  
6 Fuxingmennei Street,  
Xicheng District,  
Beijing, 100031 PRC

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This Form 6-K consists of:

An announcement regarding power generation of Huaneng Power International, Inc. (the “Registrant”) within China for the first half year of 2014, made by the Registrant on July 16, 2014.

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POWER GENERATION WITHIN CHINA  
INCREASES BY 1.51% FOR THE FIRST HALF YEAR OF 2014

This announcement is made pursuant to Rule 13.10B 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 2014.

According to the Company’s preliminary statistics, as of 30 June 2014, the Company’s total power generation by its power plants within China on consolidated basis amounted to 151.739 billion kWh, representing an increase of 1.51% over the same period last year. Total electricity sold by the Company’s power plants within China amounted to 143.554 billion kWh, representing an increase of 1.62% over the same period last year.

The low growth of the Company’s power generation was mainly attributable to the following reasons:

1. The nation-wide electricity consumption in China is experiencing low or medium growth due to the slowdown of the Chinese economy.
2. The commencement of operations of multiple West-to-East UHV transmission lines has squeezed the generation potential of thermal power generators in the coastal region in the east of China, which thermal power generators account for a relatively high proportion in the Company’s total power generation capacities, thus having material impact on the Company’s power generations.

3. The commencement of operations of many hydropower generating units in Yunnan which power generations are also transmittable to Guangdong load center, as well as the commencement of operations of large nuclear power generators in Liaoning and Fujian, has had negative effect upon the power generations by thermal power units in Yunnan, Guangdong, Liaoning, and Fujian.

4. Against this unfavorable background, the Company has enhanced marketing efforts, seized market opportunities, strengthened the monitoring of power usage during the holidays and critical periods, and made efforts to improve the power generation growth.

The power generation and electricity sold by each of the Company's domestic power plants for the first half year of 2014 are listed below (in billion kWh):

| Domestic Power Plant         | Power generation for the first half year of 2014 | Power generation for the first half year of 2013 | Change |   | Electricity sold for the first half year of 2014 | Electricity sold for the first half year of 2013 | Change |   |
|------------------------------|--|--|--------|---|--|--|--------|---|
| <b>Liaoning Province</b>     |  |  |        |   |  |  |        |   |
| Dalian                       | 3.076  | 3.009  | 2.23   | % | 2.908  | 2.863  | 1.57   | % |
| Dandong                      | 1.574  | 1.568  | 0.38   | % | 1.499  | 1.495  | 0.27   | % |
| Yingkou                      | 3.745  | 3.803  | -1.53  | % | 3.501  | 3.567  | -1.85  | % |
| <b>Yingkou Co-generation</b> |  |  |        |   |  |  |        |   |
| Wafangdian Wind              | 1.542  | 1.587  | -2.84  | % | 1.445  | 1.486  | -2.76  | % |
| Suzihe Hydropower            | 0.048  | 0.063  | -23.81 | % | 0.047  | 0.061  | -22.95 | % |
| Changtu Wind Power           | 0.015  | 0.008  | 87.50  | % | 0.015  | 0.008  | 87.50  | % |
|                              | 0.043  | 0.048  | -10.42 | % | 0.043  | 0.048  | -10.42 | % |
| <b>Inner Mongolia</b>        |  |  |        |   |  |  |        |   |
| Huade Wind Power             | 0.114  | 0.116  | -1.72  | % | 0.113  | 0.115  | -1.74  | % |
| <b>Hebei Province</b>        |  |  |        |   |  |  |        |   |
| Shang'an                     | 6.578  | 6.726  | -2.20  | % | 6.182  | 6.324  | -2.25  | % |
| Kangbao Wind Power           | 0.042  | 0.039  | 7.69   | % | 0.039  | 0.036  | 8.33   | % |

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| Domestic Power Plant                   | Power generation for the first half year of 2014 | Power generation for the first half year of 2013 | Change |   | Electricity sold for the first half year of 2014 | Electricity sold for the first half year of 2013 | Change |   |
|--|--|--|--------|---|--|--|--------|---|
| <b>Gansu Province</b>                  |  |  |        |   |  |  |        |   |
| Pingliang                              | 5.086  | 5.031  | 1.09   | % | 4.844  | 4.812  | 0.67   | % |
| Jiuquan Wind Power                     | 0.455  | 0.417  | 9.11   | % | 0.451  | 0.413  | 9.20   | % |
| <b>Beijing</b>                         |  |  |        |   |  |  |        |   |
| Beijing Co-generation (Coal-fired)     | 2.460  | 2.412  | 1.99   | % | 2.174  | 2.131  | 2.02   | % |
| Beijing Co-generation (Combined Cycle) | 2.234  | 2.253  | -0.84  | % | 2.184  | 2.198  | -0.64  | % |
| <b>Tianjin</b>                         |  |  |        |   |  |  |        |   |
| Yangliuqing                            | 3.305  | 3.591  | -7.96  | % | 3.068  | 3.353  | -8.50  | % |
| <b>Shanxi Province</b>                 |  |  |        |   |  |  |        |   |
| Yushe                                  | 1.350  | 1.434  | -5.86  | % | 1.248  | 1.326  | -5.88  | % |
| Zuoquan                                | 3.222  | 3.306  | -2.54  | % | 3.030  | 3.104  | -2.38  | % |
| <b>Shandong Province</b>               |  |  |        |   |  |  |        |   |
| Dezhou                                 | 7.441  | 7.182  | 3.61   | % | 6.982  | 6.743  | 3.54   | % |
| Jining                                 | 2.400  | 2.446  | -1.88  | % | 2.229  | 2.272  | -1.89  | % |
| Xindian                                | 1.582  | 1.578  | 0.25   | % | 1.480  | 1.473  | 0.48   | % |
| Weihai                                 | 5.516  | 4.997  | 10.39  | % | 5.255  | 4.756  | 10.49  | % |
| Rizhao Phase II                        | 4.036  | 3.298  | 22.38  | % | 3.839  | 3.131  | 22.61  | % |
| Zhanhua Co-generation                  | 0.878  | 0.783  | 12.13  | % | 0.807  | 0.722  | 11.77  | % |
| <b>Henan Province</b>                  |  |  |        |   |  |  |        |   |
| Qinbei                                 | 10.399   | 9.806  | 6.05   | % | 9.900  | 9.265  | 6.85   | % |

| Domestic Power Plant                        | Power generation for the first half year of 2014 | Power generation for the first half year of 2013 | Change |   | Electricity sold for the first half year of 2014 | Electricity sold for the first half year of 2013 | Change |   |
|---|--|--|--------|---|--|--|--------|---|
| <b>Jiangsu Province</b>                     |  |  |        |   |  |  |        |   |
| Nantong                                     | 3.568  | 4.036  | -11.60 | % | 3.399  | 3.850  | -11.71 | % |
| Nanjing                                     | 1.565  | 1.698  | -7.83  | % | 1.483  | 1.609  | -7.83  | % |
| Taicang                                     | 5.509  | 5.340  | 3.16   | % | 5.247  | 5.086  | 3.17   | % |
| Huaiyin                                     | 3.173  | 3.457  | -8.22  | % | 2.983  | 3.251  | -8.24  | % |
| <b>Jinling</b>                              |  |  |        |   |  |  |        |   |
| (Combined Cycle)                            | 1.151  | 1.053  | 9.31   | % | 1.125  | 1.030  | 9.22   | % |
| <b>Jinling (Coal-fired)</b>                 |  |  |        |   |  |  |        |   |
|   | 6.614  | 6.242  | 5.96   | % | 6.328  | 5.956  | 6.25   | % |
| <b>Jinling Combined Cycle Co-generation</b> |  |  |        |   |  |  |        |   |
|   | 0.708  | —  | —      |   | 0.698  | —  | —      |   |
| Qidong Wind Power                           | 0.194  | 0.179  | 8.38   | % | 0.191  | 0.175  | 9.14   | % |
| Rudong Wind Power                           | 0.061  | —  | —      |   | 0.059  | —  | —      |   |
| <b>Shanghai</b>                             |  |  |        |   |  |  |        |   |
| Shidongkou First                            | 3.651  | 3.873  | -5.73  | % | 3.426  | 3.655  | -6.27  | % |
| Shidongkou Second                           | 3.089  | 3.317  | -6.87  | % | 2.967  | 3.190  | -6.99  | % |
| Shanghai Combined Cycle                     | 1.209  | 0.793  | 52.46  | % | 1.182  | 0.775  | 52.52  | % |
| Shidongkou Power                            | 3.834  | 4.053  | -5.40  | % | 3.660  | 3.873  | -5.50  | % |
| <b>Chongqing</b>                            |  |  |        |   |  |  |        |   |
| Luohuang                                    | 6.332  | 6.735  | -5.98  | % | 5.856  | 6.223  | -5.90  | % |
| <b>Zhejiang Province</b>                    |  |  |        |   |  |  |        |   |
| Yuhuan                                      | 11.973   | 12.082   | -0.90  | % | 11.447   | 11.509   | -0.54  | % |

| Domestic Power Plant      | Power generation for the first half year of 2014 | Power generation for the first half year of 2013 | Change      |          | Electricity sold for the first half year of 2014 | Electricity sold for the first half year of 2013 | Change      |          |
|---------------------------|--|--|-------------|----------|--|--|-------------|----------|
| <b>Hubei Province</b>     |  |  |             |          |  |  |             |          |
| Enshi Maweigou Hydropower | 0.022  | 0.024  | -8.33       | %        | 0.021  | 0.023  | -8.70       | %        |
| <b>Hunan Province</b>     |  |  |             |          |  |  |             |          |
| Yueyang                   | 4.103  | 3.745  | 9.56        | %        | 3.840  | 3.502  | 9.65        | %        |
| Xiangqi Hydropower        | 0.185  | 0.174  | 6.32        | %        | 0.182  | 0.171  | 6.43        | %        |
| <b>Jiangxi Province</b>   |  |  |             |          |  |  |             |          |
| Jinggangshan              | 4.195  | 4.023  | 4.28        | %        | 4.005  | 3.844  | 4.19        | %        |
| <b>Fujian Province</b>    |  |  |             |          |  |  |             |          |
| Fuzhou                    | 6.724  | 5.739  | 17.16       | %        | 6.398  | 5.457  | 17.24       | %        |
| <b>Guangdong Province</b> |  |  |             |          |  |  |             |          |
| Shantou Coal-fired        | 2.312  | 2.526  | -8.47       | %        | 2.186  | 2.393  | -8.65       | %        |
| Haimen                    | 8.126  | 7.740  | 4.99        | %        | 7.790  | 7.401  | 5.26        | %        |
| <b>Yunnan Province</b>    |  |  |             |          |  |  |             |          |
| Diandong Energy           | 4.229  | 4.711  | -10.23      | %        | 3.898  | 4.355  | -10.49      | %        |
| Yuwang Energy             | 2.071  | 2.442  | -15.19      | %        | 1.900  | 2.238  | -15.10      | %        |
| <b>Total</b>              | <b>151.739</b>                                   | <b>149.483</b>                                   | <b>1.51</b> | <b>%</b> | <b>143.554</b>                                   | <b>141.268</b>                                   | <b>1.62</b> | <b>%</b> |

The accumulated power generation of Tuas Power Limited in Singapore, which is wholly owned by the Company, accounted for a market share of 21.6% in Singapore in the first half year of 2014, representing an increase of 0.7 percentage point compared to the same period last year.

By Order of the Board  
Huaneng Power International, Inc.  
Du Daming  
Company Secretary

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

Cao Peixi  
(Executive Director)

Huang Long  
(Non-executive Director)

Li Shiqi  
(Non-executive Director)

Huang Jian  
(Non-executive Director)

Liu Guoyue  
(Executive Director)

Fan Xiaxia  
(Executive Director)

Shan Qunying  
(Non-executive Director)

Guo Hongbo  
(Non-executive Director)

Xu Zujian  
(Non-executive Director)

Xie Rongxing  
(Non-executive Director)

Shao Shiwei  
(Independent Non-executive Director)

Wu Liansheng  
(Independent Non-executive Director)

Li Zhensheng  
(Independent Non-executive Director)

Qi Yudong  
(Independent Non-executive Director)

Zhang Shouwen  
(Independent Non-executive Director)

Beijing, the PRC  
16 July 2014

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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/ Du Daming

Name: Du Daming

Title: Company Secretary

Date: July 16, 2014