

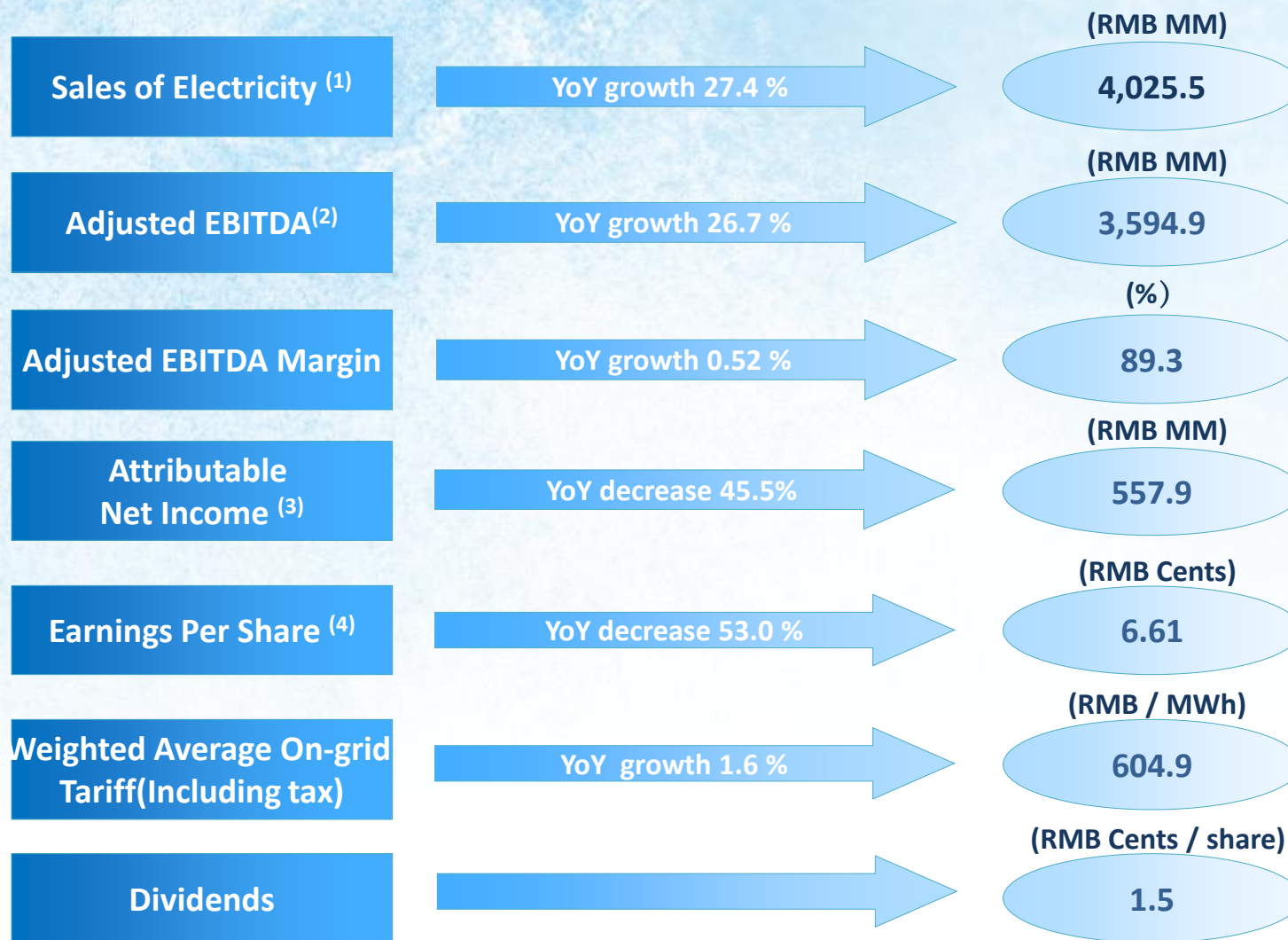


**華能新能源股份有限公司**  
Huaneng Renewables Corporation Limited\*

**2012年度業績發佈**  
ANNUAL RESULTS  
PRESENTATION



# Results Overview



## Notes

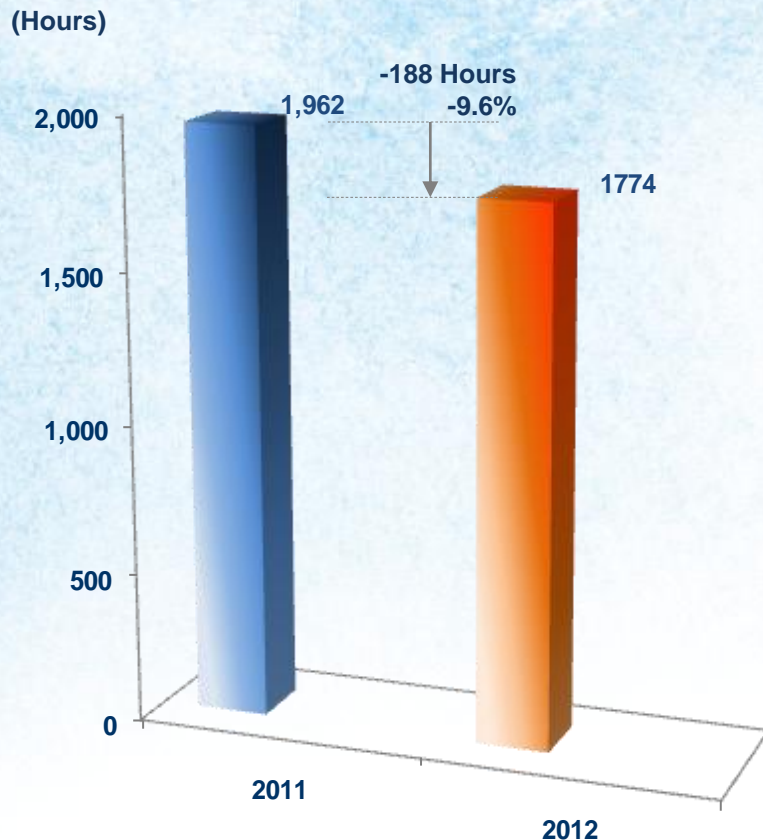
1. Excluding service concession construction revenue and management service income
2. Adjusted EBITDA excludes other income which mainly comprising net income from sales of CERs
3. Net income excludes minority interest
4. Earnings per share in 2012 is calculated based on 8,446,898,000 shares



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# Weighted Average Utilization Hours Declined

Weighted Average Utilization Hours



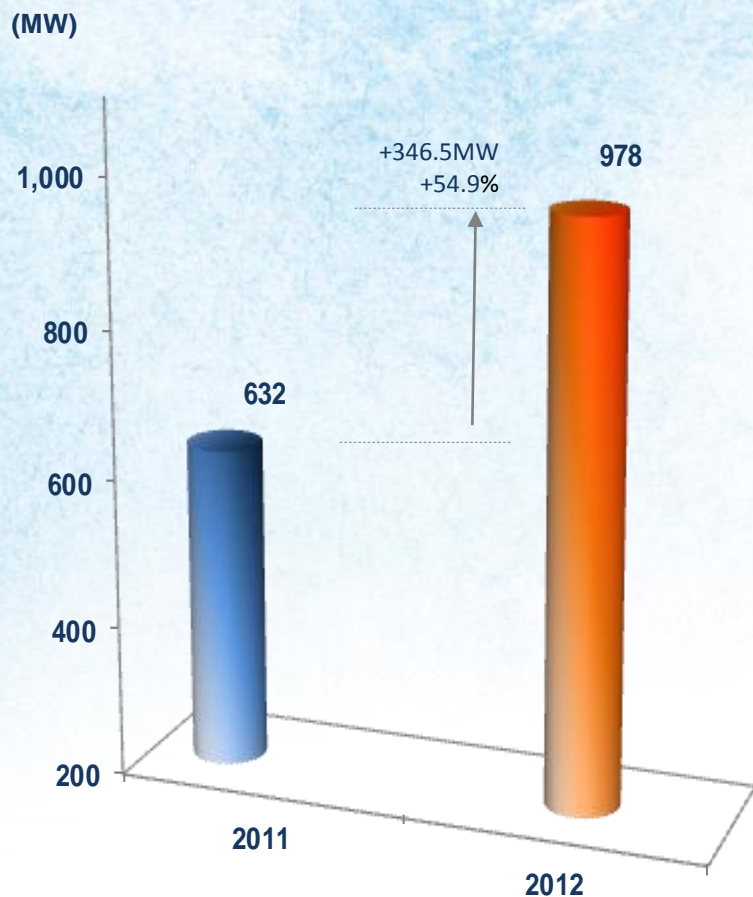
Weighted Average Utilization Hours of Company's Wind Farms by Region in 2012

| Region         | 2012 (Hours) | 2011 (Hours) | Changes (%) |
|----------------|--------------|--------------|-------------|
| Inner Mongolia | 1135         | 1710         | -33.6       |
| Liaoning       | 1929         | 2104         | -8.3        |
| Shandong       | 1936         | 2011         | -3.7        |
| Yunnan         | 2758         | 2532         | 8.9         |
| Shanxi         | 2126         | 1491         | 42.6        |
| Hebei          | 1952         | 1699         | 14.9        |
| Guizhou        | 2335         | 2343         | -0.3        |
| Guangdong      | 2359         | 2733         | -13.7       |
| Xinjiang       | 3447         | 3357         | 2.7         |
| Shanghai       | 2044         | -            | -           |
| Jilin          | 2157         | -            | -           |
| Shaanxi        | 2421         | -            | -           |
| <b>Total</b>   | <b>1774</b>  | <b>1962</b>  | <b>-9.6</b> |



# Further Optimization of Installed Capacity Distribution

## Cumulative Installed Capacity of Yunnan, Guangdong and Guizhou



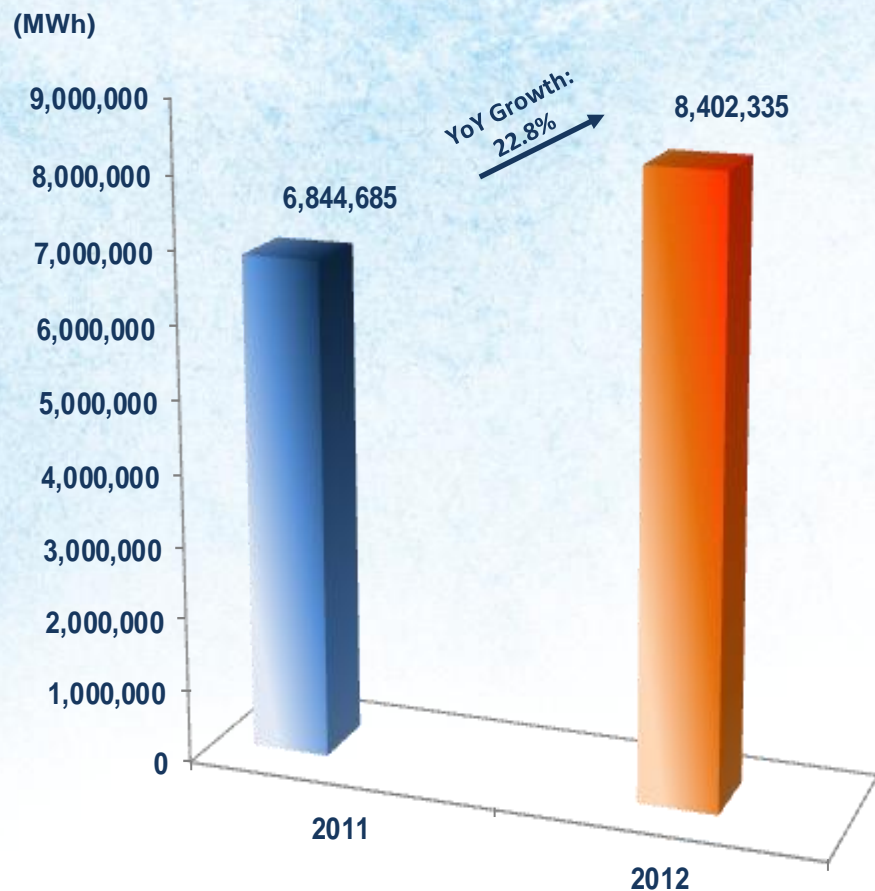
## Installed Capacity by Region

| Region         | 2012 Total Consolidated Installed Capacity (MW) | 2011 Total Consolidated Installed Capacity (MW) | Change (%)  |
|----------------|---|---|-------------|
| Inner Mongolia | 1,716.2   | 1,716.2   | 0.0         |
| Liaoning       | 1,098.0   | 1,048.5   | 4.7         |
| Shandong       | 793.7   | 694.7   | 14.3        |
| Yunnan         | 424.5   | 375.0   | 13.2        |
| Shanxi         | 396.0   | 346.5   | 14.3        |
| Hebei          | 249.0   | 249.0   | 0.0         |
| Guizhou        | 282.0   | 84.0  | 235.7       |
| Guangdong      | 271.6   | 172.6   | 57.4        |
| Xinjiang       | 99.0  | 99.0  | 0.0         |
| Shanghai       | 60.0  | 60.0  | 0.0         |
| Jilin          | 49.5  | 49.5  | 0.0         |
| Shaanxi        | 18.0  | 9.0   | 100         |
| <b>Total</b>   | <b>5,457.4</b>                                  | <b>4,903.9</b>                                  | <b>11.3</b> |



# Steady Growth in Gross Power Generation

## Gross Power Generation



## Gross Power Generation by Region

| Region         | 2012 Gross Power Output (MWh) | 2011 Gross Power Output (MWh) | Change (%)  |
|----------------|-------------------------------|-------------------------------|-------------|
| Inner Mongolia | 1,892,559.6                   | 2,623,142.7                   | -27.9       |
| Liaoning       | 1,916,520.4                   | 1,647,803.4                   | 16.3        |
| Shandong       | 1,403,213.3                   | 1,206,819.3                   | 16.3        |
| Yunnan         | 930,827.5                     | 468,761.9                     | 98.6        |
| Shanxi         | 563,596.0                     | 92,908.1                      | 506.6       |
| Hebei          | 399,778.4                     | 210,856.7                     | 89.6        |
| Guizhou        | 339,863.8                     | 56,704.1                      | 499.4       |
| Guangdong      | 390,126.8                     | 200,979.6                     | 94.1        |
| Xinjiang       | 341,275.7                     | 332,338.7                     | 2.7         |
| Shanghai       | 122,078.5                     | 3,300.0                       | 3,599.3     |
| Jilin          | 90,097.7                      | 770.5                         | 11,593.4    |
| Shaanxi        | 12,397.7                      | -                             | -           |
| <b>Total</b>   | <b>8,402,335.4</b>            | <b>6,844,685</b>              | <b>22.8</b> |



# Wind Power Sector in China Will Enter a New Stage of Healthy and High Quality Development

## Planning

- The “12th Five-Year Plan on Wind Power” - on-grid wind power installed capacity to reach 100 GW by 2015
- The 2013 National Energy Conference sets the target of newly added installed capacity of wind power to be 18 GW for the year and that of newly added installed capacity of PV power to be 10 GW

## Policy

- “Notice of Strengthening the Grid Connection and Consumption for Wind Power in 2013”
- “Notice of the Requirements of Strengthening the Grid Connection and Consumption for Wind Power”
- “Provisional Procedures for Transmission of Surplus On-grid Wind Power from Northeast China Power Grid to North China Power Grid (Draft for Approval) “
- Renewable Portfolio Standard to be rolled out
- Enhance the implementation of the policy of supplementary renewable energy tariff



# Development Plan

Acceleration of the construction of efficient GW-level wind power bases

Promotion of distributed wind power projects

Effective development of PV power generation

Closely monitor and develop off-shore wind power in a timely manner

Attempt to develop in the wind-hydro synergized model

Pay attention to the overseas market



# Business Focus of 2013



**Persist in safe production and operation and improve safety operation management**



**Accelerate the optimization of business structure to ensure an effective development**



**Promote the scientific management of distribution to ensure an effective production ramp-up**



**Strengthen marketing efforts to improve profitability of existing assets**



**Further enhance the financial control to effectively limit the financial risk**



**Strengthen investor relations to improve the Company's transparency and popularity**







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**Thank you!**

