



DEVELOPMENT AND PROSPECTS OF NUCLEAR ENERGY IN CHINA

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I. The National Nuclear Energy Management in China

- National Energy Administration (NEA) was established in March, 2008 in order to strengthen the macro-administration and to solve the problems emerged in the progress of development and reform. NEA is responsible for investigating and drawing up the development strategy of national energy, reviewing major issues of energy security and industry management.





I. The National Nuclear Energy Management in China

- China Atomic Energy Agency: in charge of nuclear materials and fuel control, and the military applications.
- National Nuclear Safeguard Administration: regulatory body.



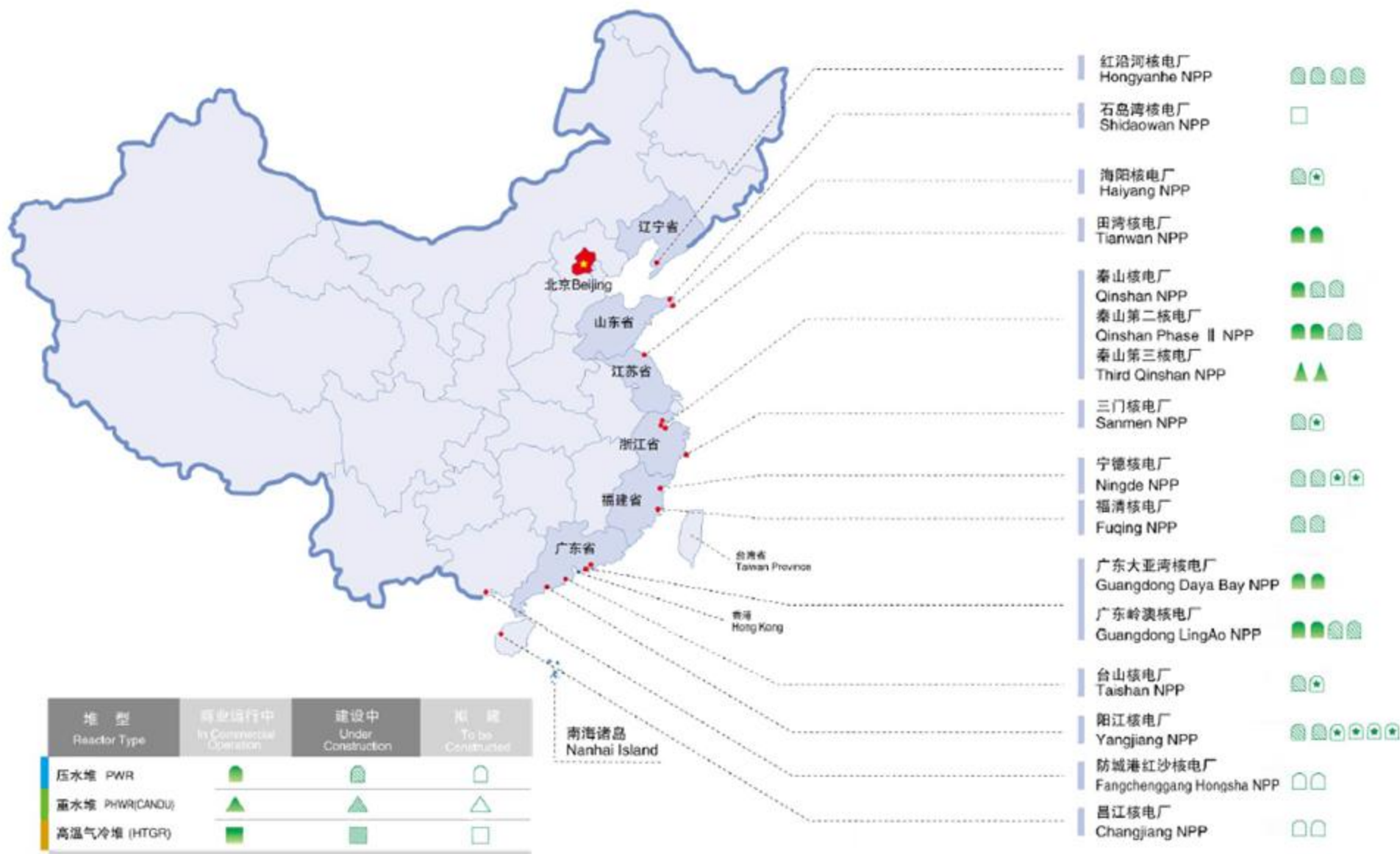


II. Development Status and plan of Nuclear Power in China

As a clean and safety alternative of electricity generating, nuclear energy becomes an important option to optimize the energy mix, add to the installed capacity and reduce emission of pollutant. The development of nuclear power is the strategic choice in order to promote the energy development sequentially and harmoniously.

Currently, there are 11 units in operation in china of 9100MWe in total, taking up about 1.2% of the total national installed capacity. In addition, we have 23 units under construction.





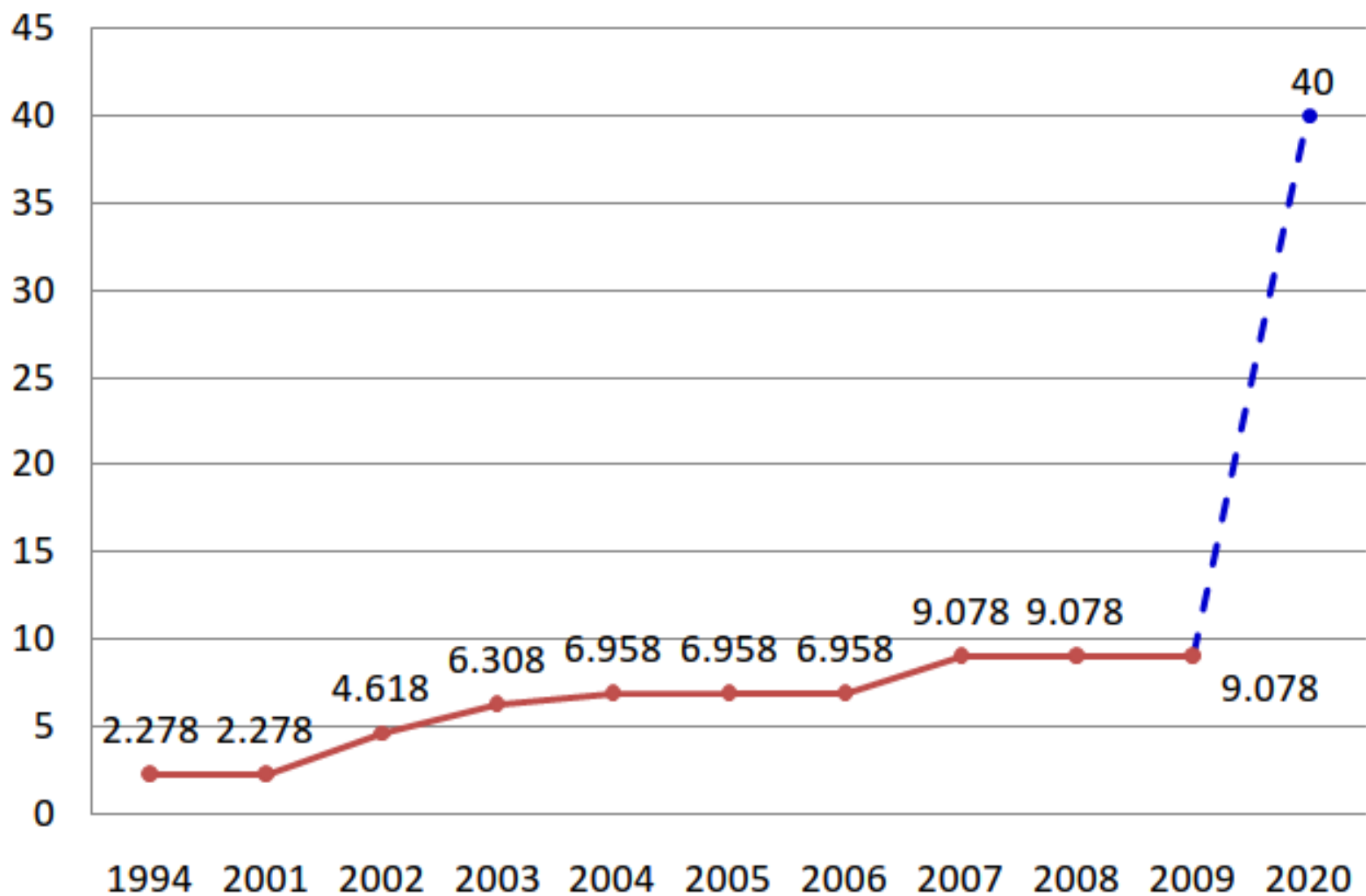


II. Development Status and plan of Nuclear Power in China

- In 2007, the Mid- & Long-Term Development Plan for Nuclear Power (2005-2020) was approved by Chinese State Council.
- The goal of the future installed nuclear power capacity is 40GWe (operational) with 18GWe (under construction) by 2020.
- Many experts think this plan is more conservative. They predicted that by 2020, China would have 70-80GWe in operation, and 30GWe under construction, taking up 4% of the total national installed capacity.



Installed Nuclear Power Capacity (GWe)



III. China's experience

With 55 years' development of nuclear industry and 40 years' efforts in nuclear power plant development, China has accumulated rich experiences in this nuclear power industry:

- We established the capability of the design, construction, operation and management of nuclear power plants such as CNP300, CNP600 and CP1000.
- We developed a complete nuclear fuel industry, ranging from the front end of exploration, mining to the back end of spent fuel management, and waste management.

III. China's experience

- We applied nuclear technology widely in the non-power sector, such as nuclear medicine, and isotope production, agriculture, etc.
- Human Resource system.
 - * Education: 24 Universities and 8 research institutes have nuclear disciplines;
 - * Training: topical seminars and on-job training.



IV About Further Cooperation

- We have already done a large amount of work on nuclear development plan adjustment, arranging projects according to the stipulated authority, promoting technical progress, accelerating human resource development and establishing fuel guarantee system, and taken the lead in launching international cooperation related to energy.
- We are willing to share our experience with foreign energy management agencies, R&D institutions, enterprises and international nuclear organizations, promoting the peaceful uses of nuclear power in the world.

IV About Further Cooperation

- China National Nuclear Corporation (CNNC) is one of the 3 owners of nuclear facilities in China, it has a whole business chain, abundant strength and experiences in R&D and management.
- NEA supports CNNC to strengthen the collaboration with the companies in Arabian countries, and promote the nuclear cooperation.



谢谢!

Thank you!