

China NPP Development and Financing

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Power

CNNC

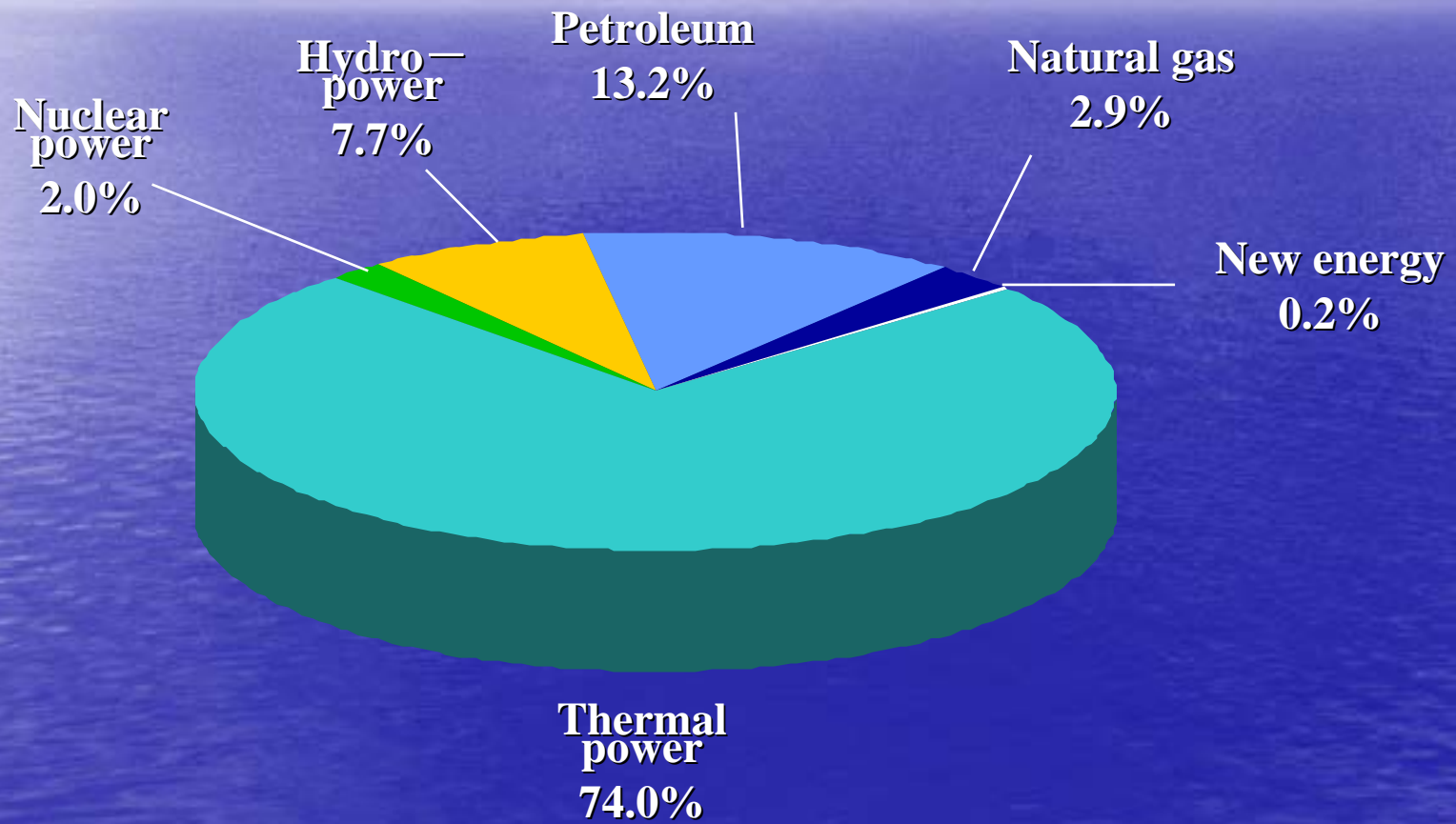
Outline

- **Introduction to CNNC**
- **China Energy Composition**
- **Current Status of China Nuclear Power**
- **Prospect of China Nuclear Power**
- **Flexible and diverse international cooperation**

Introduction to CNNC

- **China National Nuclear Corporation was organized and established based on the Ministry of Nuclear Industry on Jul. 1, 1999.**
- **Super-huge state-owned sole-investor enterprise approved by the State Council of China.**
- **Totally-owned or shares-controlled enterprises and commercial & trading companies: 186**
- **Total number of Employees: about 98,000, among which, technical staff : around 50,000, and senior professionals: about 8000**
- **Current Total Assets: RMB125 billion**

China Energy Composition in 2005



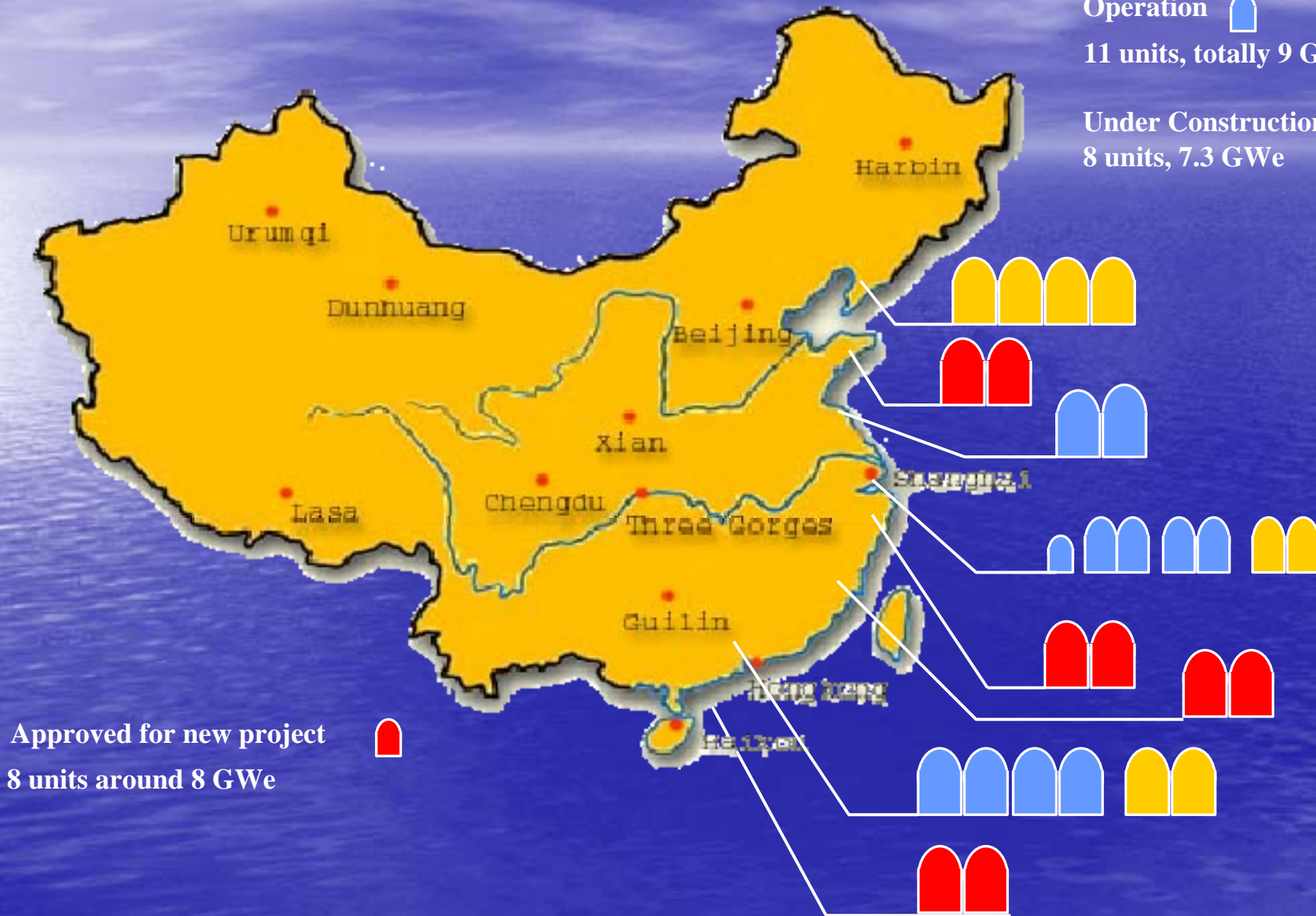
Nuclear Power is the Inevitable Choice for China Energy Supply

- The average GDP increase in the “11th Five-Year Program” is forecasted to be 7.8% and southeast coastal region will reach 12%~15% .
- The energy composition is not reasonable; thermal power’s proportion is too high; there are too many small-capacity units; the efficiency is low, investment on clean energy and renewable energy is not much, the proportion is low.
- *Protocol in Kyoto* has come into effect, China shall be a responsible country and undertake the correspondent international obligations. The economy development shall certainly consider the harmony between human and environment.
- Up to the end of year 2005, the total installed electric generation capacity of the whole country has exceeded 500GWe. The electric generation has reached 2.47trillion KWh

Current Status of China Nuclear Power

Operation 
11 units, totally 9 GWe

Under Construction 
8 units, 7.3 GWe



Approved for new project 
8 units around 8 GWe

中国大陆潜在核电厂址分布图

Potential Site Distribution
About 70 nominated sites

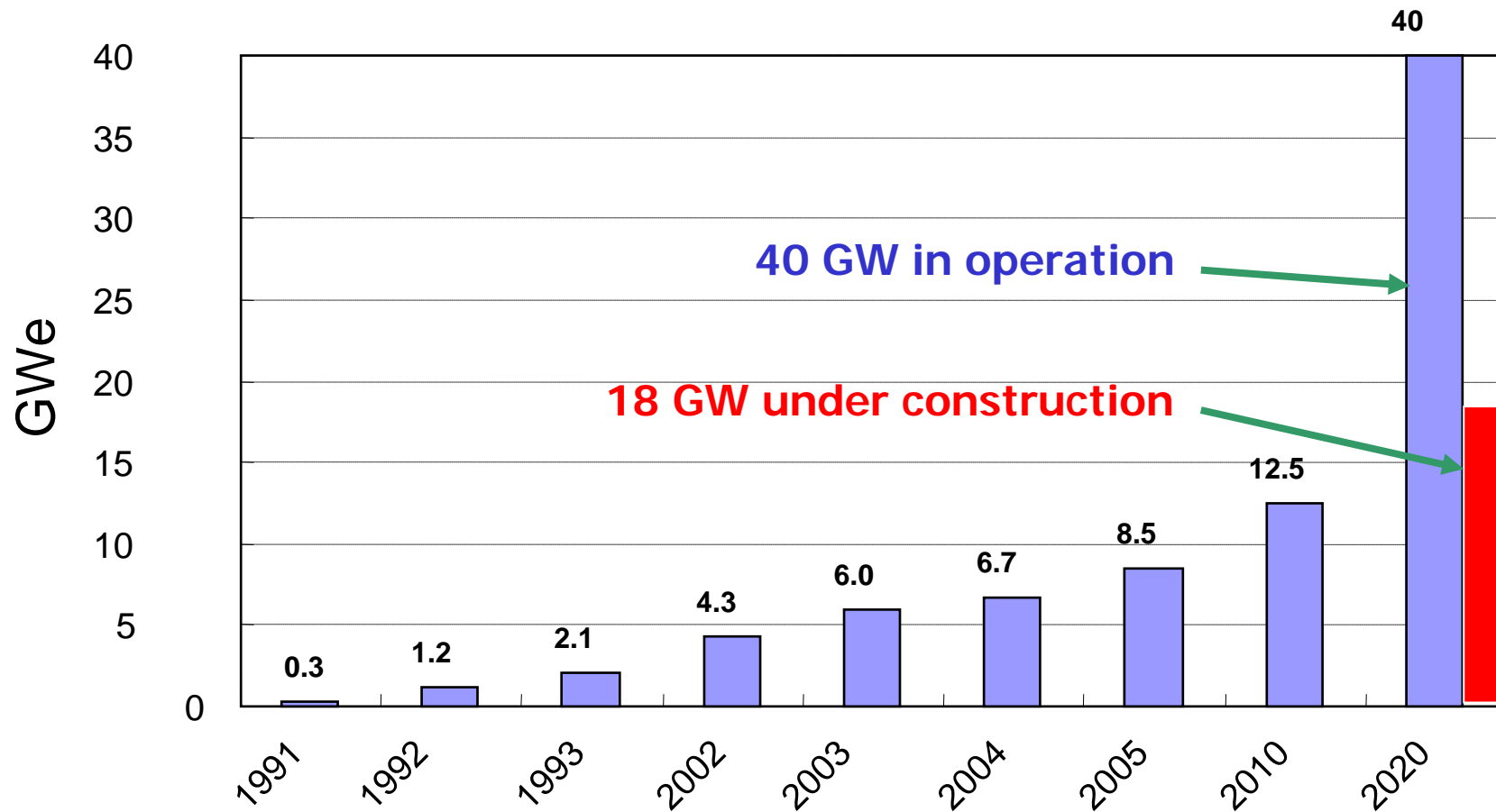


Prospect of China Nuclear Power

- Government policy to develop NP changed from appropriate to active
- the NP development program of the Medium & Long Term Plan(2005-2020) was Issued in Oct.2007
- The total installed NP capacity will reach 40GWe till 2020, 4% of the total electricity capacity
- NP generation may take 6% of the total power generation

Prospect of China Nuclear Power

Nuclear Power Plan in Mainland China up to 2020



Seeking for flexible and diverse international cooperation

- All NP projects are state-owned till now.
- “Foreign investment and private capital are admit to enter NPP construction”
----said by Mr.Wangyiren, Chief secretary of the 2nd department of system engineering, Commission of Science Technology and Industry for National Defense (COSTIND),
- Diversified NP investment system will be built to implement the medium and long-term nuclear power development plan

Seeking for flexible and diverse international cooperation

- **The target is the self-reliance and localization**
- **China welcome the foreign competent suppliers to actively participate in the nuclear power construction on the basis of equality and mutual benefit.**
- **In the new century, China will continue to develop nuclear power vigorously. The nuclear power in the world is also tending to be revived, therefore, we can expect that the future for such cooperation will be much broader.**

Closing Remarks

Broad nuclear power market will provide a stage for the relevant corporations all over the world to present your performance. I sincerely hope in the circle of the future China nuclear industry, we may work with all the friends together for the lift-off of the undertaking of peaceful utilization of nuclear energy.



Thanks for your attention!