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# The Water footprint in the energy sector

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# ❖ International effects of water power station construction

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- Maximum reservoir draft rate in the upstream to maintain a good ecological system: 40%.

for the three rivers valley, it is only less than 4%

- The construction of water reservoir will effect the flow in different period, so no matter in the water storage or release period, the draft rate should be less than 40%.



- It must come to an agreement that the water storage period in the upstream and the water use period in the downstream must be staggered.
- Having field studied the countries in the downstream of the Liancangjiang River, such as Burma, Thailand, Laos and Cambodia. The water shortage is mainly due to the downstream water overuse.



## Three plans: (2001 – 2005)

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|-----------------|-------------------------------------|
| 1. Beijing      | Water saving – Economic development |
| 2. Talimu river | Keep river live – agriculture       |
| 3. Hai river    | Maintain green land - agriculture   |



# New Management System – Water Authority

## Integrated Management of Water Resources

49% of water administration in China



Eco-city:

MianYan      Water Saving Type City

GueiLin      Eco-city

Beijing      Green-city – Eco-city

Water balance, enough green-land, low carbon economy,  
recycle production system, green consumption



Nuclear Fusion energy:

2035 – 2045

360 l oil/1 liter sea water

**Thank you!**