

Objectives and Structure of Presentation

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- Provide an understanding of private sector participation in the water sector:
 - What is PPP and why consider it?
 - Examples from overseas and China
- Lessons for PPP in China



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What is PPP?

Arrangements between public and private sectors with the following characteristics

- Primarily output-based contracts with private sector taking appropriate risks
- Longer term arrangements because
 - Operational outcomes are often delivered over a period of time and/or
 - The private sector needs to recover its return on investment

Examples: Management contracts, Lease, Concession, BOT

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Why consider PPP?

The introduction of PPP is a strategic decision and is typically taken to achieve:

- EXTENSION OR IMPROVEMENT OF SERVICES
- EFFICIENCY GAINS / REDUCTION IN COST

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How does PPP work?

These outcomes are achieved through:

- Effects of competition
- Introduction of commercial management, technical expertise and change of culture
- Investment through private sector partners
- Transfer of risk to specialised enterprises

PPP arrangements must take into account local conditions: legal and regulatory, socio-economic, environmental and technical.

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专家咨询

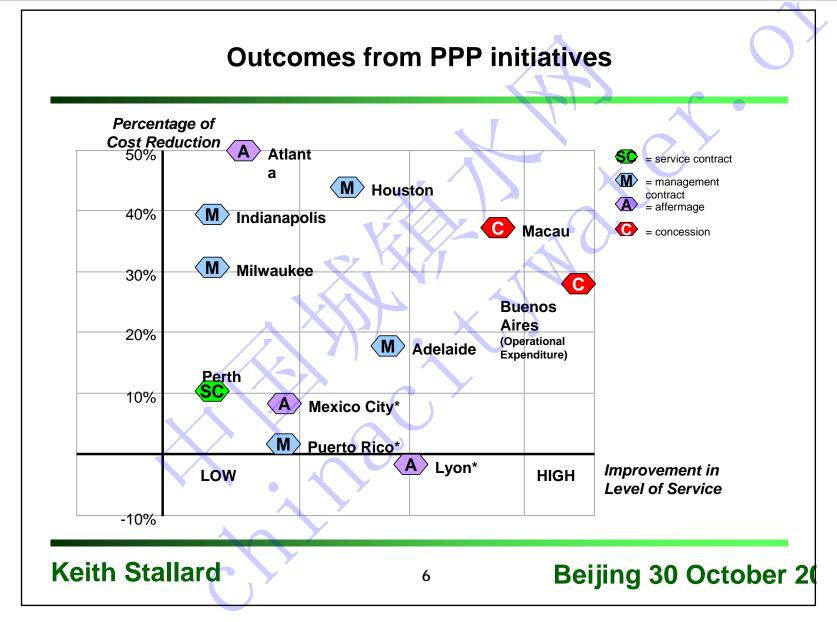
行业论文

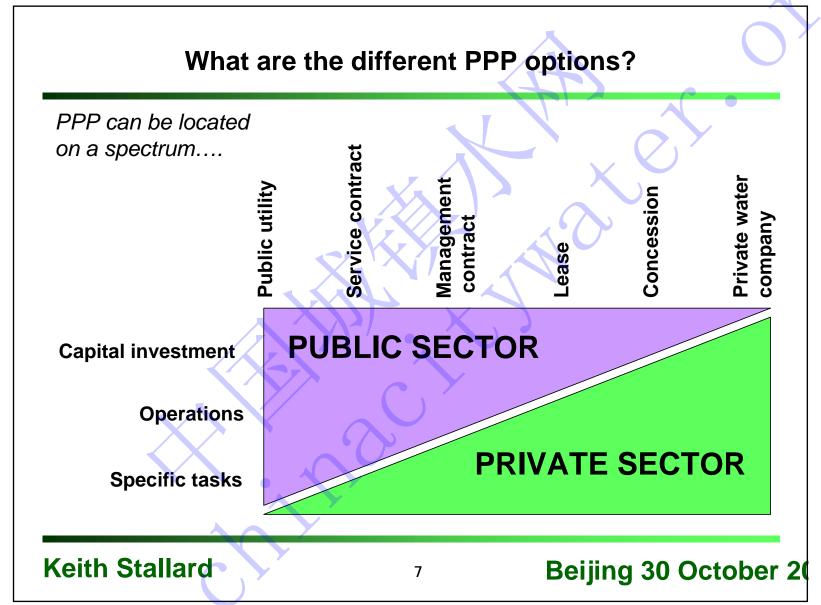
会展信息

行业分析

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	Ownership	Investment	O & M	Tariff collection	Usual duration
Service Contract	Public	Public	Public	Public/ Private	1-2 years
Management Contract	Public	Public	Private with limited risk taking	Public/ Private	3-5 years
Lease / Affermage DBOL	Public	Public	Private With full risk	Private	8-15 years
BOT / BOOT	Public	Private	Private	Public	20-30 years
Concession	Public	Private	Private	Private	25-30 years
Equitization	Private	Private	Private	Private	Indefinite



International Trend

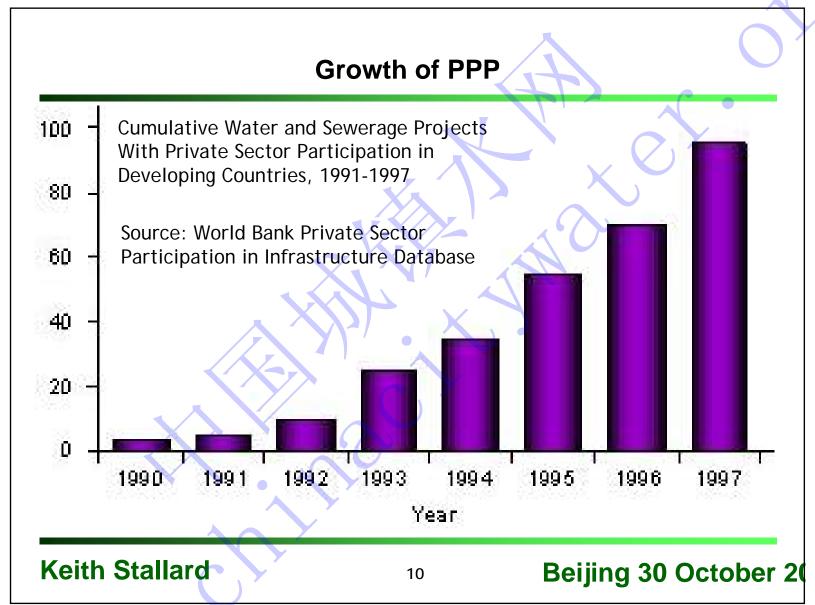
World-wide, the role of the private sector in water infrastructure and services is growing

- governments are choosing to withdraw from activities which can be undertaken by a competitive private sector
- increased focus on commercial and technical performance
- access to private sector capital and expertise (e.g. **BOOT arrangements**)

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What has happened in China?

- Massive demand for new infrastructure and improved services
- PPP commenced cautiously in early 1990s (1992: Tanzhou Water Supply 35-year concession)
- Initially, demand for private finance and prohibitions on foreign involvement in distribution focussed PPP on BOTs
- To 2004 133 projects for water and wastewater with total investment commitment of US\$4.8 billion. Most since 2000
- Increasing involvement of Chinese investors
- PPP still only a small part of total investment (<2%) and operations

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What has happened overseas?

- France leases and concessions since 1850
- Australia BOT, management contracts since 1990
- Chile partial divestiture since 1990
- UK total divestiture in England & Wales in 1989

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What has happened in China?

Brief History

- BOTs typically under \$30 million (SDPC approval level)
- Typically negotiated public-private JVs
- Removal of restrictions on foreign involvement in supply systems has opened opportunities to other PPP arrangements e.g. Chongqing JV concession with Sino-French water

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Examples of PPP in China (1)

Examples:

- Harbin BOT
 - 30-year JV BOT. signed 1992. Good operating results.
 Uneven profit sharing. No debt financing
- Chengdu and Beijing 10 BOTs
 - Tendered BOTs. Central Gov involvement. Good operating results from Chengdu. Beijing 10 on hold.

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- Shanghai Dachang
 - Wholly foreign-owned (Thames / China Water). Limited recourse finance. Guaranteed fixed return. Direct negotiations. Foreign stake sold to Chinese partner.

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Examples of PPP in China (2)

Examples:

- Sino-French Chongqing, Guangdong, Macau
 - Directly negotiated concessions for development of water supply infrastructure and provision of services to defined areas.
 - Direct interactions with customers
 - Macau big success, Chongqing and Guandong too early to tell

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Cancelled PPP projects

- Bad news is good news
- Between 1990-2001, 2500 PPP arrangements reached financial closure
- Of these 2500, only 48 had been cancelled by 2002; 1.9%
- Renegotiation: in Latin America, up to 74% of transport PPP contracts have been renegotiated and 55% of water contracts
- Worst sectors: toll roads followed by water then electricity
- Most common reason for failure in water and electricity: Inability to ensure cost-recovery tariffs

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China: 9 projects exited or cancelled – similar reasons

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PPP failures overseas

- Cochabamba, Bolivia: 40-year concession
 - Halted by opposition from customers when price of water tripled and private wells outlawed. Lack of consultation
- Manila (West), Philippines: 25-year concession
 - Regulator refused pass-through into tariffs of increased costs resulting from the Asian financial crisis
- Buenos Aires, Argentina: 30-year concession
 - Devaluation of the Peso prevented repayment of US Dollar denominated debt

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- Atlanta, USA: 20-year management contract
 - Poor information available at bid time, political interference

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PPP failures in China

- Da Cheng WTP Shanghai: 20-year BOT
 - Regulatory change making guaranteed rates of return illegal.
 Foreign partner sold share to Chinese party.
 - Failure or unexpected outcome?
- Shenyang Water No.8: 30-year BROT
 - Build-rehabilitate-operate-transfer -> O&M contract -> withdrawal.
 Lack of political support and expertise
- Beijing No.10 WTP: BOT
 - Inability to achieve financial closure based on tariff arrangements

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Reasons for failure of PPP

Most common issues leading to failure:

- Inability to ensure cost-recovery tariffs
- Insufficient political support

Other reasons for failure:

- Inappropriate arrangements and poor contracts
- Strategic reorientation of companies

Breakdown of relationship

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Conclusions: Lessons for China (1)

- Public-Private Partnerships offer the opportunity for the private sector to provide skills or financing to complement the existing resources of public service providers
- There is no single best model. Each contract type has a particular set of circumstances under which it is most likely to be effective
- Selection, development and implementation of PPP is complex.
 Strong political support is essential and all parties should use experienced, expert advisers

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Conclusions: Lessons for China (2)

To attract the private sector in China:

- Tariffs (and subsidies) need to be economically and socially sustainable and determined on this basis with no undue political influence. This will often mean...
- Increasing the effectiveness of regulatory arrangements
- Significant tariff increases
- Streamline approvals process.
- Transparent processes with experienced advisers on government side

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Conclusions: Future of PPP in China (1)

- PPP will continue to develop
 - need for investment and operational efficiency, government policy
- Increasing involvement of Chinese companies, initially as financiers and increasingly as operators
- Decrease in wholly foreign owned enterprises and increase in joint ventures
 - rational risk management strategy for private sector and government
 - potential risk to customers through conflict of interest of government as provider of public services and government as investor

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Conclusions: Future of PPP in China (2)

- Increase in projects in wastewater sector and in networks
- There will be more failures
 - where tariff arrangements are not sustainable
 - where project development and procurement is not thorough

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