

New Developments in P3



Richard Whiting TDA Annual Conference 2014



Topic

Introduction

What is P3?

Texas P3 Legislation

Public & Private Participation in a P3 Project

TWDB & SWIFT + SPP

What is a BOO(T) Form of Contract & how does it fit

with P3?

Pricing

P3/BOO Case Study

Summary/Conclusion



- What is P3?
 - Public & Private sector project collaboration to:
 - share project risk
 - ensure best practices
 - & provide optimal benefit for the end users (the rate payers).
- Texas P3 Legislation
 - ◆ The Public and Private Facilities and Infrastructure (PPFI) Act Texas Government Code Sec. 2267.001 et seq. was signed & became effective on September 1, 2011 – i.e. over three years ago.

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- Range of Public & Private Participation in a P3 Project
 - Primary variables are:
 - the source of project financing
 - how involved the Public sector wishes to be
 - Typically, the Private sector provides 100% of the project financing
 - In Texas, there is the TWDB 'SWIFT' (& others) which could enable the Public sector to partially fund a project
 - E.g. the Public sector could finance the 'standard' general civils works whilst the Private sector finances the high risk element of the project (RO plant)



- P3 + SPP (State Participation Program)
 - For new water supply projects &/or state water plan projects, this TWDB-managed program can fund up to 80% of project costs if the local entity or P3 partner finances the difference
 - Applies to works that can be over-sized for future demand projections



- What is a BOO(T) Form of Contract & how does it fit with P3?
 - Build-Own-Operate (Transfer) is a form of P3 with minimal effort & resources required from the public entity
 - The private sector finances, designs, builds, owns, operates & maintains the assets for an agreed period of time - normally around 15 years for a water sector project
 - The assets are either removed, or transferred to the public entity, at the end of the contract period



Pricing

- In P3/BOO, the contractor gives a unit sales price to the client for contractual quantity & quality
- The unit price includes all costs: finance, permitting, design & construction, operation & maintenance, & profit
- Benefit to the client: all risk & effort is passed to the private sector & the monthly cost is a fixed & known value

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- Pricing the relative cost of Desal
 - The next source of water is more expensive than existing sources
 - The next source of water will supplement the existing supply to give a new 'blended cost' for the rate payer
 - Advances in desal technology, particularly in membrane efficiency & energy recovery, over the last decade have been significant

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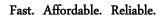
- Refinery in the Caribbean
- Government entity has a BOO contract with the refinery to supply power, water (demin), steam, & air
- Existing thermal units were breaking down & so switched to RO
- In the first instance, client purchased a skid-mounted RO unit
- Then bought another one
- Then contracted SSW on a BOO basis
- Then bought another larger one & then asked SSW to take it over























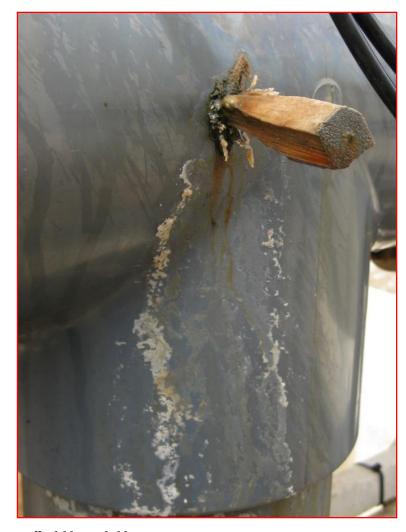


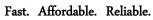


























Summary/Conclusion 1



- Desal, be it brackish or seawater (or wastewater re-use)
 is a specialized industrial process
- All desal plants require a dedicated, trained, & fully supported O&M team, with a realistic O&M budget, to achieve high levels of production/up-time
- Clients (government, local government, industrial) can reduce the project risk re: the design, construction, & long-term O&M by using the same company to execute all 3 phases (design, construction, O&M) of the project

Summary/Conclusion 2



- P3/BOO is an excellent contractual vehicle to enable any public sector entity to quickly execute any water sector project whilst minimizing long-term risk
- Desal projects are particularly well suited to be executed under a P3/BOO form of contract due to their specialized nature



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