Dealing with water scarcity through PPPs for desalination and Non-Revenue Water reduction

Cyprus Experience with Desalination and Non-Revenue Water Reduction

Nicos Neocleous
Acting Chief Water Officer
Water Development Department
Ministry of Agriculture, Rural Development and Environment
Republic of Cyprus

14 December 2016
Major Water Projects Executed
THOUGHTS ON NEXT STEPS
Water scarcity and droughts increasing in intensity and extent

- Water scarcity and droughts is a major challenge
  - Climate change is expected to make matters worse
- There is a need to intensify efforts to prepare for and manage such water-related disasters
- Water saving & efficiency measures must be a priority
  - In some circumstances, it may be necessary to consider further approaches on the supply side
- In Cyprus, despite the many water saving & costly supply enhancement measures, the problem remains
  - Alternative options such as desalination needed to be further considered to increase water availability
Taking on the challenge

- Future presents many challenges for Cyprus:
  - Rapid social changes
  - Further economic development
  - Climate change
  - Water scarcity & droughts
  - Escalating water demands in a continuously changing environment

- Necessary measures to ensure water security and resilience
Public Private Partnership

- Improving NRW using PBC (Water Boards)
- Operation and maintenance of large infrastructures using the private sector:
  - Large conveyors and pumping stations
  - Water treatment plants
  - Sewage treatment plants
- Building climate resilient utilities
- Solar Powered Desalination
- Integrated multi-objective approach for water management
Thank you

Nicos Neocleous
Acting Chief Water Officer
Water Development Department
Republic of Cyprus
Email: nicneocleous@gmail.com
Tel.: +357 99 687 608