IMPLEMENTING INNOVATIVE SOLUTIONS TO SOUTHERN NEVADA CHALLENGES

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SOUTHERN NEVADA WATER AUTHORITY®
• SNWA has partnered with Mekorot, beginning in 2011, to share challenges and innovative solutions

• SNWA worked with Booky Oren Global Water Technologies to develop an innovation structure

• SNWA’s partnership with WaterStart has established strong ties with innovators and the Israeli Innovation Authority
INNOVATION FOUNDATION

• One of six organizational goals
  – Develop innovative and sustainable solutions through research and technology

• Approved funding for pilots and implementation

• Focus on tangible solutions that benefit the utility
SNWA INNOVATION: IMPLEMENTATION APPROACH

• Work internally to develop and understand challenges

• Distill the information into specific problem statements

• Publish Requests for Proposal through WaterStart

• Select a technology match to pilot:
  - Matching funds from WaterStart
  - Commitment to economic development by the innovator

• Use pilot results to determine if full implementation is warranted
• Total number of challenges: 26
• Pilots underway: 7
• Pilots completed: 18
• Total solutions implemented: 13
THEMES

- Smart water network
- Distribution system management
- Real Time water quality monitoring
- Security solutions
- Asset management / information management
- Remote sensing for leaks
PILOT – WATER QUALITY ANALYZER

Blue I Water Technologies
PILOT – REMOTE WATER MONITORING
PILOT – PHYSICAL SECURITY SYSTEM

DOOR

CABINET

Knock N'Lock™
PILOT – NITRATE REMOVAL

WELLTODO
Catalytic Approaches
PILOT – REMOTE SENSING FOR LEAKS