

Concept of Operations for a Wastewater Technology Testbed Network

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Design report

- Water resource recovery facilities development and deployment of innovative technologies.
- Adoption depends on expensive testing and validation.
- Existing wastewater technology testing facilities are underutilized
- Technology adoption could be accelerated by a network linking these test facilities
- A structure for a Waste Water Testbed Network (WWTBN) and explore concepts for its operation.



Testbed Network

- **Demand for a Testbed Network**
- **Value Proposition**
- **Network Structure and Essential Functions**
 - Technology Push
 - Engagement and Feedback
 - Market Pull
- **Facilities**
 - Level 1 (Bench Scale)\
 - Level 2 (Recovery Facility that is a Willing Host)
 - Level 3 (Recovery Facility with Dedicated Space)
 - Level 4 (Facility Dedicated to Technology Testing)
- **Membership, Communications, Staff**

Network Operations

- Accelerating Innovation and Scale-up
- Connecting Technologists, Manufacturers, Utilities and Regulators
- Informing Policy
- Standardization

- Funding
- Outputs
- Intellectual property



Design report

- This is a draft document - we solicit your input
- Complete in September 2016
- Process:
 - Committee input
 - Stakeholder workshops
 - Interviews with complementary industries
 - E.g. wireless industry, algae industry, desal
 - Consolidate, refine, generate recommendations
 - Solicit opinions on report and findings

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