Development of Stormwater Pilot Programs

Municipal Water District of Orange County
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Proposed Actions to Develop Data and Criteria

- **Action 1**
  - Improve database of potential projects

- **Action 2**
  - Stormwater pilot programs

- **Action 3**
  - Developing alternative approaches
Background

- Local supplies in Metropolitan’s service area
  - Local Resources Program

- SCWC Task Force Stormwater Whitepaper
  - Understand capture volumes, costs, benefits, and project performance
  - More research and good monitoring needed

Challenges with Stormwater Capture Projects

- High capital and O&M costs
- Limited funding available
- Minimal existing metered projects
  - Expensive devices
  - Insufficient staff
- Limited data
  - Capture volumes
  - Costs
  - Benefits
Types of Stormwater Projects

Centralized (Recharge)
- Regional facilities (e.g. spreading basins)
- Sub-regional collections

Distributed (Recharge)
- Parcel-based projects (e.g. rain gardens)
- Green streets
- Site specific

Distributed (Direct Use)
- Rain Barrels
- Cisterns
- Non-potable uses

Provide incentives to encourage development of stormwater projects
Collect data and evaluate water supply benefit
Evaluate participation

Pilot Program Purpose
Direct Use Stormwater Pilot

Purpose: Collect data on water supply benefits, measurement and cost

- Scope and administrative process being developed
- C&LR Committee discussion on scope at May meeting
- MAMM discussion at May meeting
- WP&S action at July meeting

Recharge Stormwater Pilot

Purpose: Evaluate the relationship between stormwater capture and groundwater recharge

- Scope and administrative process being developed
- C&LR Committee discussion on Current Regulatory Climate at June meeting
- Request-For-Proposals process under development