



Development of Stormwater Pilot Programs

Municipal Water District of Orange County
May 1, 2019

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



Groundwater



Recycled Water



Seawater



Stormwater

- SCWC Task Force Stormwater Whitepaper

- Understand capture volumes, costs, benefits, and project performance
 - More research and good monitoring needed

C&LR Committee

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April 9, 2019

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



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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

Committee Name

Item # Slide 5

Date (Month, DD YYYY)

Pilot Program Purpose

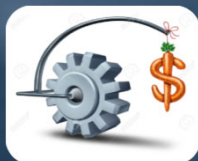
Provide incentives
to encourage
development of
stormwater
projects



Collect data and
evaluate water
supply benefit



Evaluate
participation



Committee Name

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Date (Month, DD YYYY)

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

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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

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