

Foundational Actions Funding Program

- Approved in 2013
- Funded 13 studies / 13 member agencies
- ~\$3.0 million
- Technical conference ~230 participants



Groundwater

- 4 projects
- 6 agencies
- \$990,000



Recycling

- 5 projects
- 10 agencies
- \$810,000



Desalination

- 2 projects
- 2 agencies
- \$325,000



Stormwater

- 2 projects
- 2 agencies
- \$814,000

<http://www.mwdh2o.com/AboutYourWater/fafprogram>

Future Supply Actions Funding Program

Two Program Elements

Potable Reuse Funding The Water Research Foundation

- ~\$1.0 million
- Potable reuse studies
- Managed by WRF

Member Agency Studies

- ~\$3.5 million
- Same terms
- Add thematic focus

Funding Agreement with The Water Research Foundation

- ~\$1.0 million for WRF-managed studies
 - MWD-selected potable and non-potable research
- WRF funding goal: ~\$8.0 million
 - Advancing Potable Reuse Initiative
- SWRCB: \$4.5 million grant



Broad Water Industry Support (Funding goals)

California Agencies

LA County: \$440k

OC County: \$220k

SD County \$280k

Inland Empire: \$150k

Other Regions: \$580k

State Coalitions

Florida: \$150k

Texas: \$120k

Arizona: \$100k

Mid-Atlantic: \$100k

Other States: \$105k

Consulting Firms

~ 20 Firms

About \$1.0
Million

Leveraging Funding for Needed Studies

Objective: meet Future Supply Actions criteria

Topic	Proposed Studies for MWD Funding*	MWD Match
Direct Potable Reuse	Measure pathogen variability in wastewater	\$200k
	Develop statistical methods for assessing process trains	\$125k
Indirect Potable and Non-Potable Reuse	Treatment and blending strategies for system integration	\$200k
	Optimize wastewater treatment for potable reuse	\$100k
	Develop protocols for integrating real-time sensor data	\$200k
	Evaluate indicator viruses for monitoring treatment processes and aquifer recharge	\$100k
	Address impediments to agricultural reuse	\$50k
	Seven Project Total	\$975k

* Includes recommendations from Water Resource Management and Water Quality

Proposed Future Supply Actions Program

Two Program Elements

Potable Reuse Funding The Water Research Foundation

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- Potable reuse studies
- Managed by TWRF

Member Agency Studies

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Core Program Elements

- ~ \$3.5 million total funding
- Up to \$500k per member agency or per study
 - 100% dollar-for-dollar match
- Competitive RFP
 - Studies must meet minimum criteria
 - Member agencies prioritize their own studies
 - Selected by expert panel
- Funding is available in current and proposed budget



Brine Reduction

Proposed Enhancements

- Hold member agency meetings to solicit feedback
 - Prioritize research needs
 - Promote partnering among agencies
- Thematic focus:
 - Example: sensors



Recycled Water Tracers



Seawater Desalination Intakes



Stormwater Master Plan

Next Steps:

- Incorporate additional feedback
- Enter into a funding agreement WRF
- Hold member agency meeting(s) in spring
- Issue RFP for member agency studies
- Return to Board with study funding recommendations
- Manage agreements and provide updates to Board





Questions?



Research Foundation Consolidation

