



# FUTURE SUPPLY ACTIONS (FSA) FUNDING PROGRAM WORKSHOP

8/23/23

# Agenda

One  Water

THE METROPOLITAN WATER DISTRICT  
*of* SOUTHERN CALIFORNIA

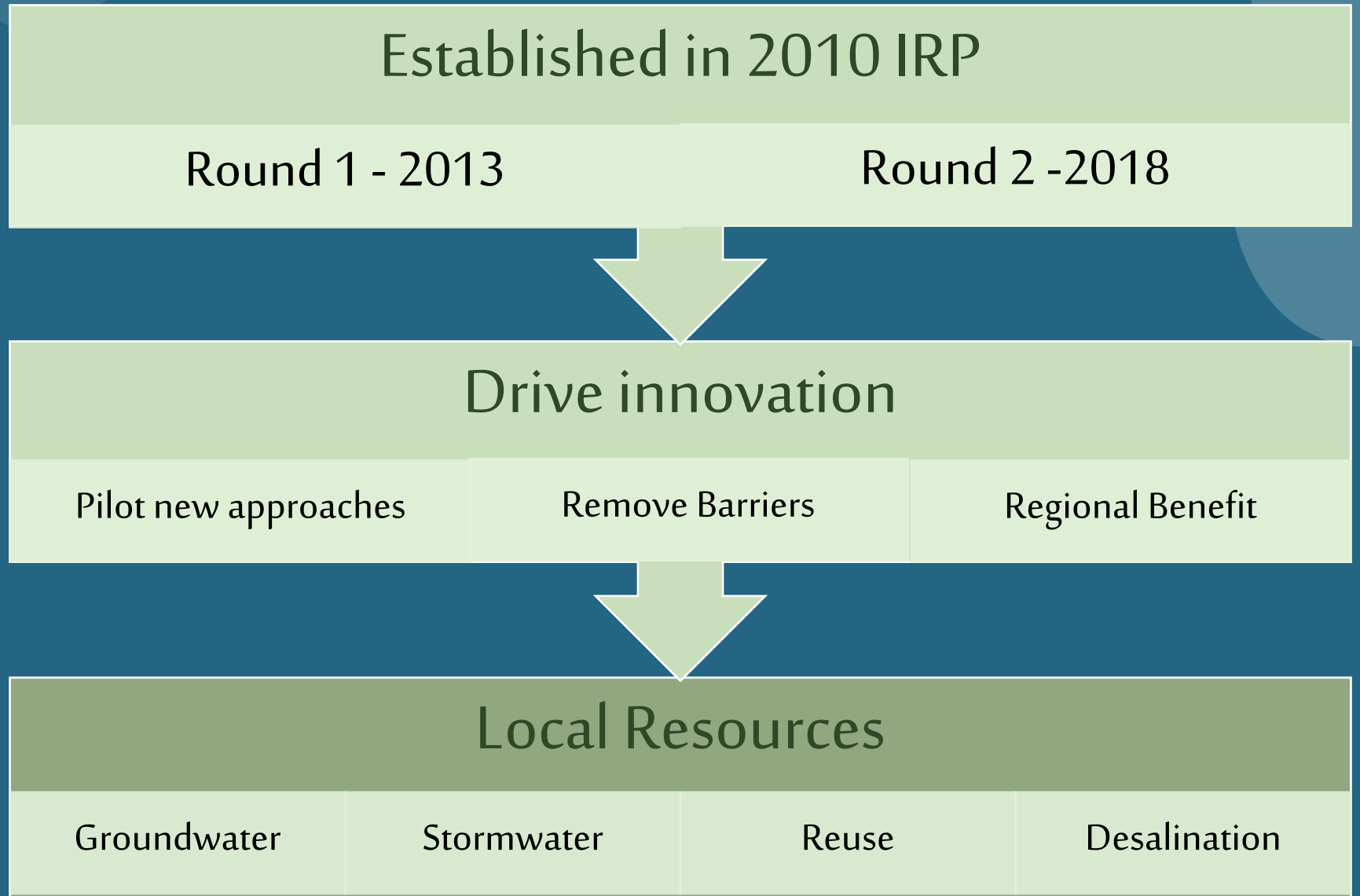
Overview of the FSA

Proposed changes

Competitive bids

Next Steps

# Background



# Foundational Action Funding Program

- Approved in 2013
- Funded 13 studies
- \$2.9 million invested
- Technical conference ~230 participants



## Groundwater

- 4 studies
- 6 agencies
- \$980,000



## Recycling

- 5 studies
- 10 agencies
- \$770,000



## Desalination

- 2 studies
- 2 agencies
- \$300,000



## Storm Water

- 2 studies
- 2 agencies
- \$810,000

# FSA Funding Program

MWD | Funding Opportunities  
([mwdh2o.com](http://mwdh2o.com))

Photo: Flyer for Las Virgenes Municipal Water Districts FSA study

- Approved in 2018
- 14 Webinars

## Member Agency

- 14 studies
- \$3.1 million

## Water Research Foundation

- 6 potable reuse studies
- 1 agricultural reuse study
- \$975k

LAS VIRGENES MUNICIPAL WATER DISTRICT

# ARTIFICIAL INTELLIGENCE STUDY

Future Supply Actions Program Webinar Series







Learn more about the implementation of Artificial Intelligence and Machine Learning control algorithms that Las Virgenes Municipal Water District and Carolla Engineers are using to reduce energy consumption in water reuse. Learn from the study partners as they demonstrate the use of these new technologies to improve advanced treatment processes and create a more reliable water supply.

**PREPARING FOR Tomorrow, TODAY**

Thursday, March 23, 2 p.m.  
[Click here to register for the webinar](#)

To learn more about the Future Supply Actions Program, visit [www.mwdh2o.com/fsa](http://www.mwdh2o.com/fsa)

## FSA Core Program Elements

-  Up to \$500k per member agency or per study
-  100% dollar-for-dollar match
-  2-year study
-  Selected through RFP
-  Studies must meet minimum criteria
-  Selected by expert panel

## Example Frequency

### Proposed Changes for Next Rounds

Goal: Align program  
implementation with  
available funding and  
staff resources



- Provides MA study funding at more frequent intervals
- Funds equivalent number of studies over four years
- Consistent with FSA budget of up to \$3 million / two years

# Proposed Administrative Changes



## Agreement Terms

- No Retention
- One year extension



## Member Agency Partnership Reward

- 5% scoring Benefit
- Does not stack

Photos: Thousand Oaks Groundwater Utilization Study (top)

San Diego County Water Authority Chloramines Feasibility Study (bottom)



# Final Hybrid Symposium



# Program Goals

- Critical to resource implementation and planning
  - Removes a technical barrier
  - Expedite future permitting
  - Facilitate new regulations
- Advance knowledge for future resource development
- Unique and innovative
- Increase local supply

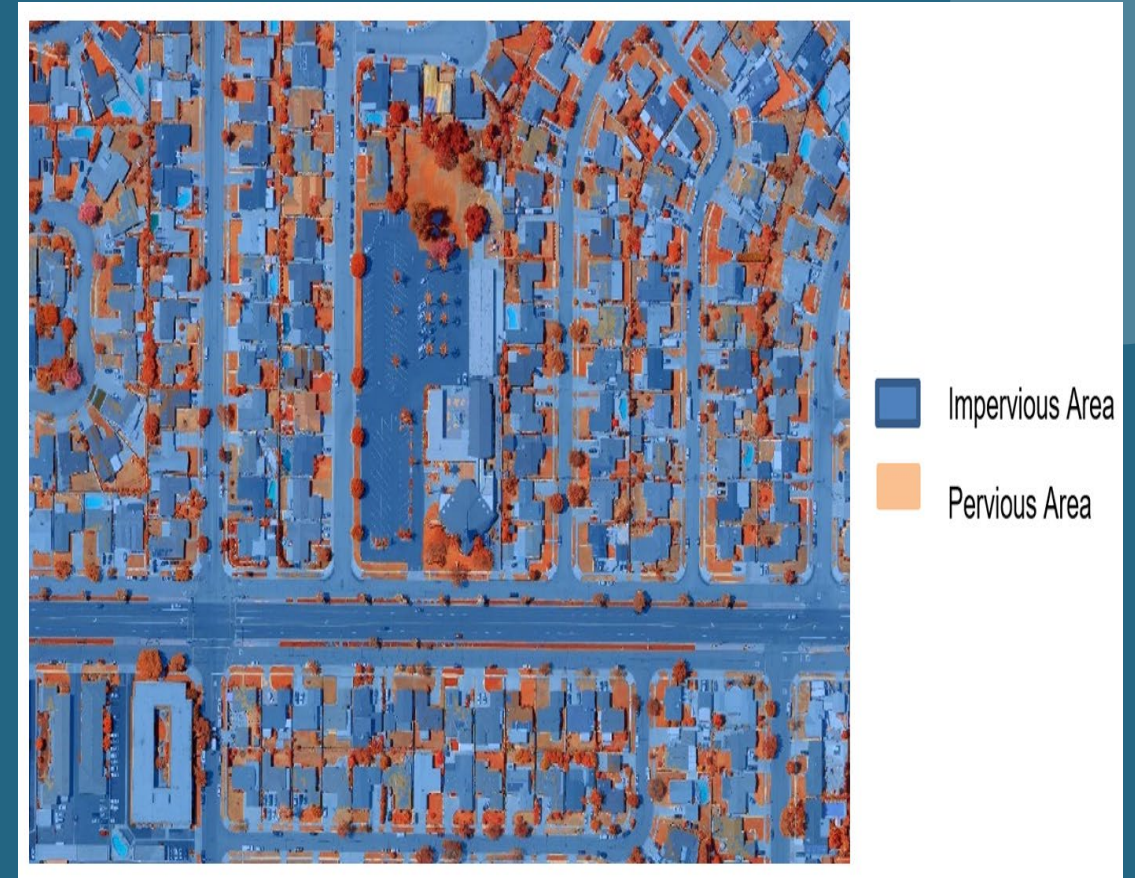


Photo: City of Anaheim's Assessment of Stormwater Capture for Groundwater Enhancement

# To bid or not to bid

## Program may include

Pilot and bench-scale studies

Demonstration studies

Integration studies

Innovative treatment processes

New technologies

## Program does not include

Existing studies or projects

Construction of full-scale projects

Design of full-scale projects

CEQA documentation for projects

Acquisition of properties

Repeat of prior studies

<https://www.mwdh2o.com/fsa>

# Who can submit?

- The RFP is open to Metropolitan member agencies
- Member agencies may partner with other member agencies or with other entities
  - the proposal must be submitted by one designated lead member agency



Photo: Orange County Water District and the City of Santa Ana  
Restoration of Recharge Sources from Invasive Mussels

# Key Agreement Terms

- Kickoff Meeting
- Semi-annual reports
- Final Report
- Final Symposium
- One year extension



Photo: Aliso Creek Smart Watershed Network Pilot Project Municipal Water District of Orange County with program managers Moulton Niguel Water District

# Invoicing

- Currently quarterly
  - Considering deliverable based
- No retention
  - Final report and presentation 20% of funds
- Soliciting suggestions



Photo: Las Virgenes Municipal Water District Artificial Intelligence Study

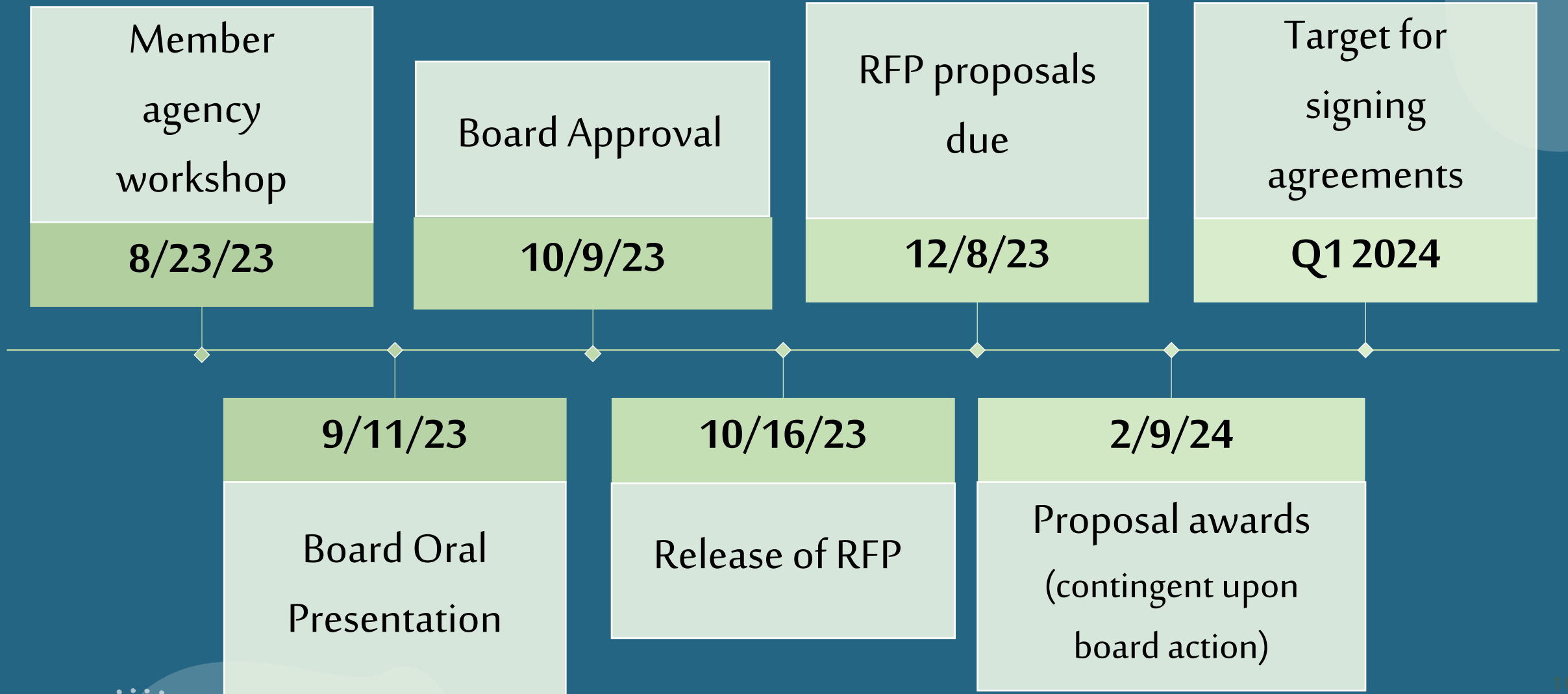


# The Review Process

- 2 Internal and 3 external experts
- Fields of expertise
  - Reuse, climate resilience, innovation, groundwater, desalination, stormwater

Photo: City of Anaheim's Assessment of Stormwater Capture for Groundwater Enhancement

# Next Steps (Tentative)





# Who to Contact



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# Discussion



Photo: San Diego County Water Authority San Dieguito River Optimization Study with Olivenhain Municipal Water District