



One Water and Stewardship Committee

# Authorization for Future Supply Action Funding Program Agreements

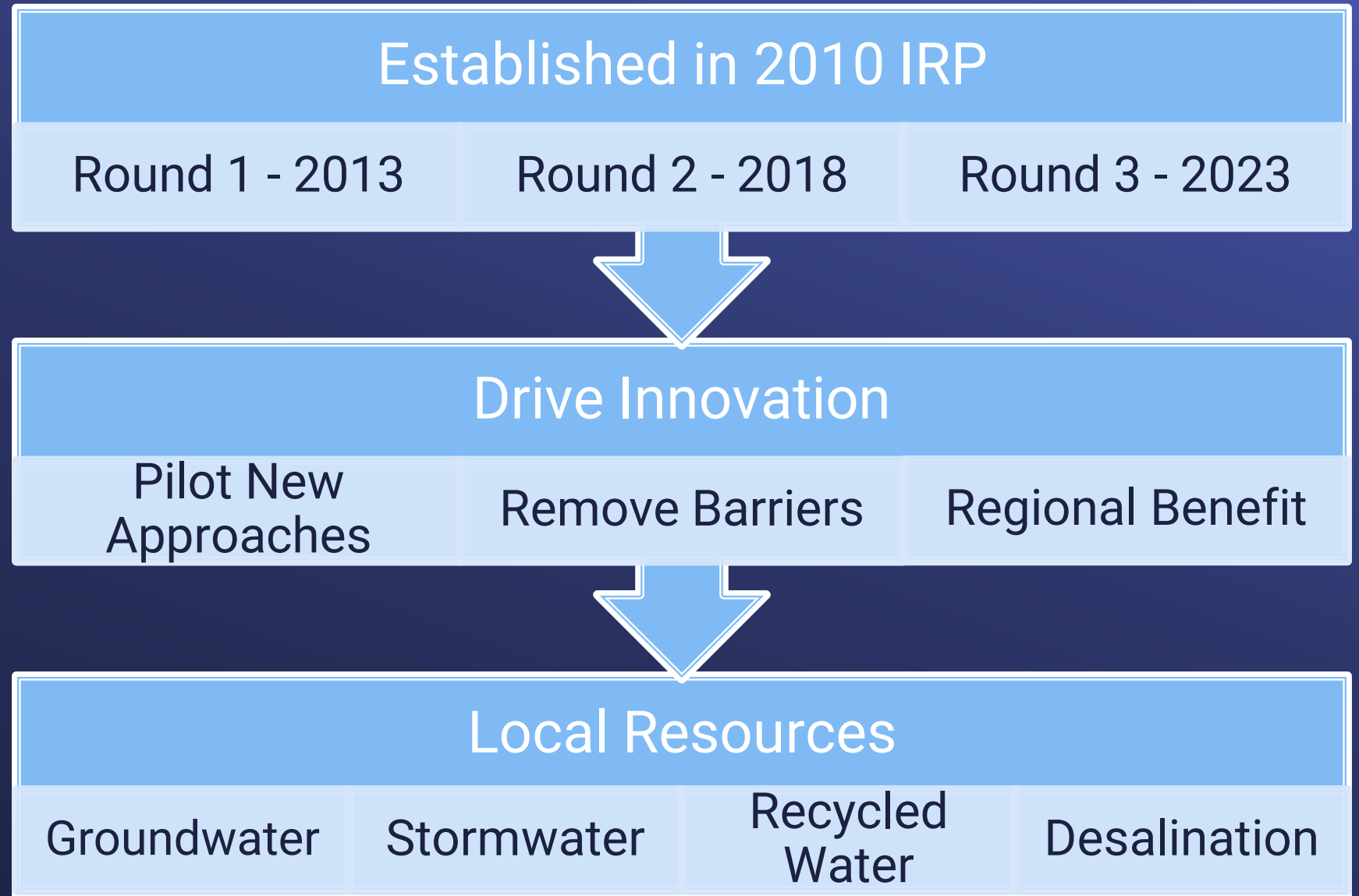
Items 7-3, 7-4, 7-5, 7-6, 7-7, 7-8  
July 8, 2024

# Overview

- Background
- Round 3
- Proposals Received
- Next Steps



# Background



# FSA Round 3 Core Program Elements



Up to 8 Studies



Up to \$3 Million



Up to \$500k per member agency or per study



100% dollar-for-dollar match



2-year studies



Selected through RFP



Studies must meet minimum criteria



Selected by expert panel

# FSA Round 3 Timeline

October 2023 – Board authorized rounds 3 and 4

December 2023 – RFP released / pre-bid webinar

February 2024 – RFP closed

April 2024 – Expert review completed

June 2024 – Member Agency Managers Meeting

July 2024 – OWS Committee

# Proposals Received



10 Agencies

Resources Represented	Proposals	Funding
Groundwater	3	\$1,005,802
Stormwater	2	\$554,900
Recycled Water	2	\$901,500
Seawater Desalination	1	\$500,000
Total	8	\$2,962,202

# Scoring Criteria and Reviewers



Reviewers composed of 2 internal and 3 external subject matter experts



Proposals were ranked based on evaluation criteria

Ranking Criteria	Percentage
Reduces Barriers to Future Production	30%
Regional Benefit/Applicability	20%
Innovative Process, Approach, or Technology	20%
Work Plan/Schedule	15%
Costs	15%

# Eight Recommended Proposals – Process for Agreements

## Proposals under \$250K - GM Authority

**WMWD** – Pilot Study of New Electrolytic Method for In-situ Generation of Ferric Arsenic Treatment

**FMWD** – Data-Driven Resource Optimization and Planning System (DROPS)

## Proposals over \$250K – Board Approval Needed

**LVMWD** – OceanWell - Offshore Desalination Buoy Pilot

**IEUA** – Chino Basin Advance Water Purification Demonstration Facility

**LBU** – GW Augmentation, Collection System, and New Wells Site Study

**IEUA** – PFAS and Groundwater Wells

**SDCWA** – Lake Henshaw Oxygenation Pilot Study

**LADWP** – Headworks Reservoir Complex Direct Potable Reuse Pilot



# Identifying and Removing PFAS Used in Well Drilling Pilot Study

## Item 7-3



Inland Empire Utilities Agency (Lead),  
TVMWD, WMWD, and Jurupa Community  
Services District



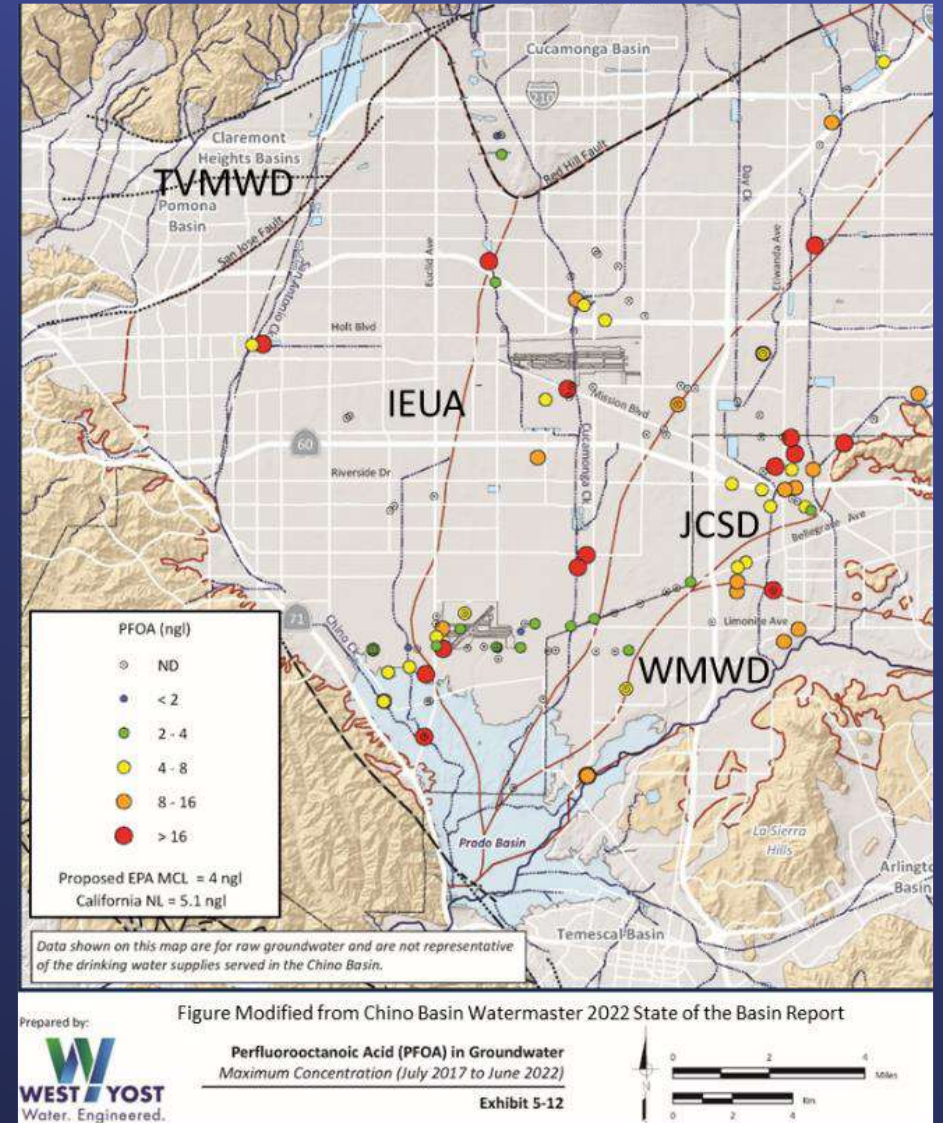
Requested: \$298,500  
Total Funding: \$597,000



Groundwater



The study seeks to demonstrate to the  
water supply industry that improved well  
construction and development processes  
can reduce or eliminate certain PFAS  
contamination in groundwater wells.



# Chino Basin Advance Water Purification Demonstration Facility

## Item 7-4



Inland Empire Utilities Agency



Requested: \$401,500

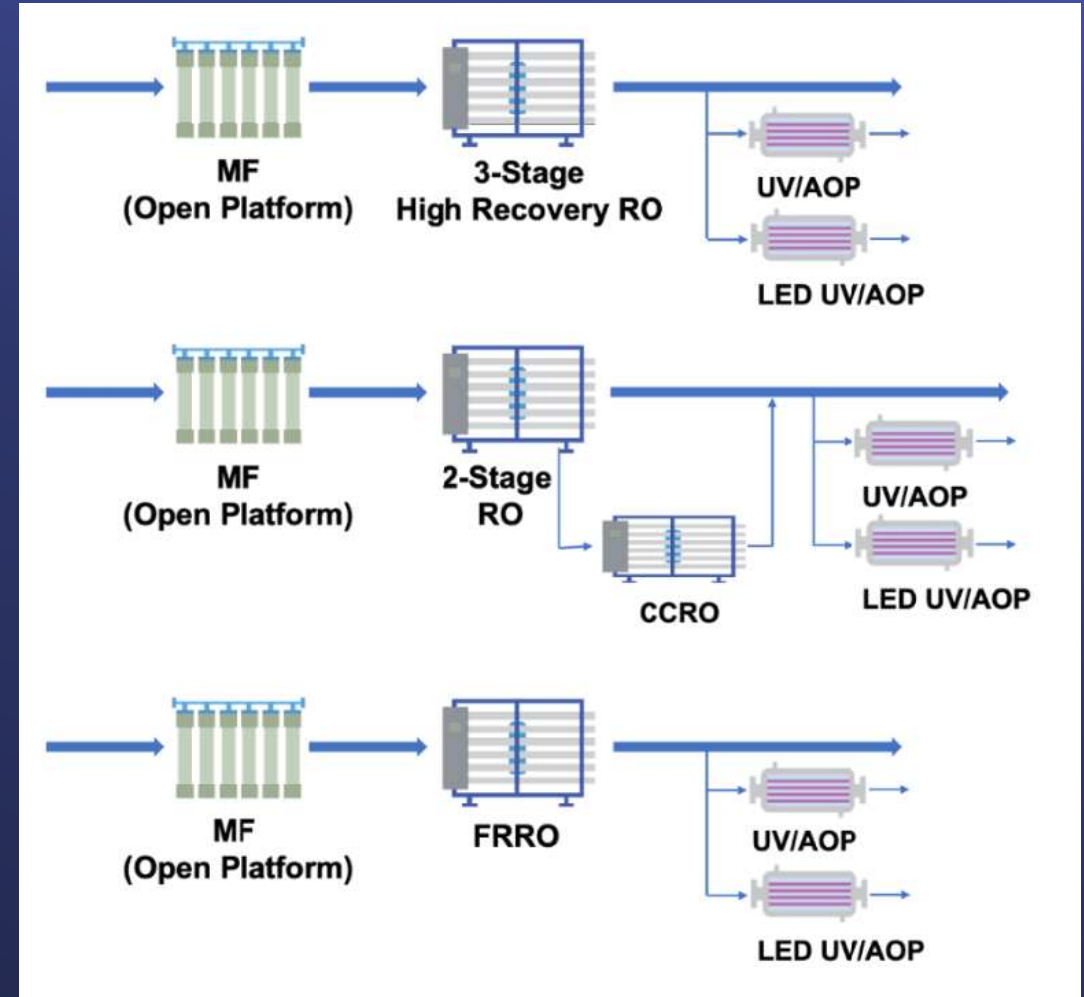
Total Funding: \$5,348,500



Recycled Water



The demonstration study will advance research and innovation related to advanced water treatment technologies.





# Lake Henshaw Oxygenation Pilot Study

## Item 7-5



San Diego County Water Authority (Lead),  
Vista Irrigation District, and City of  
Escondido



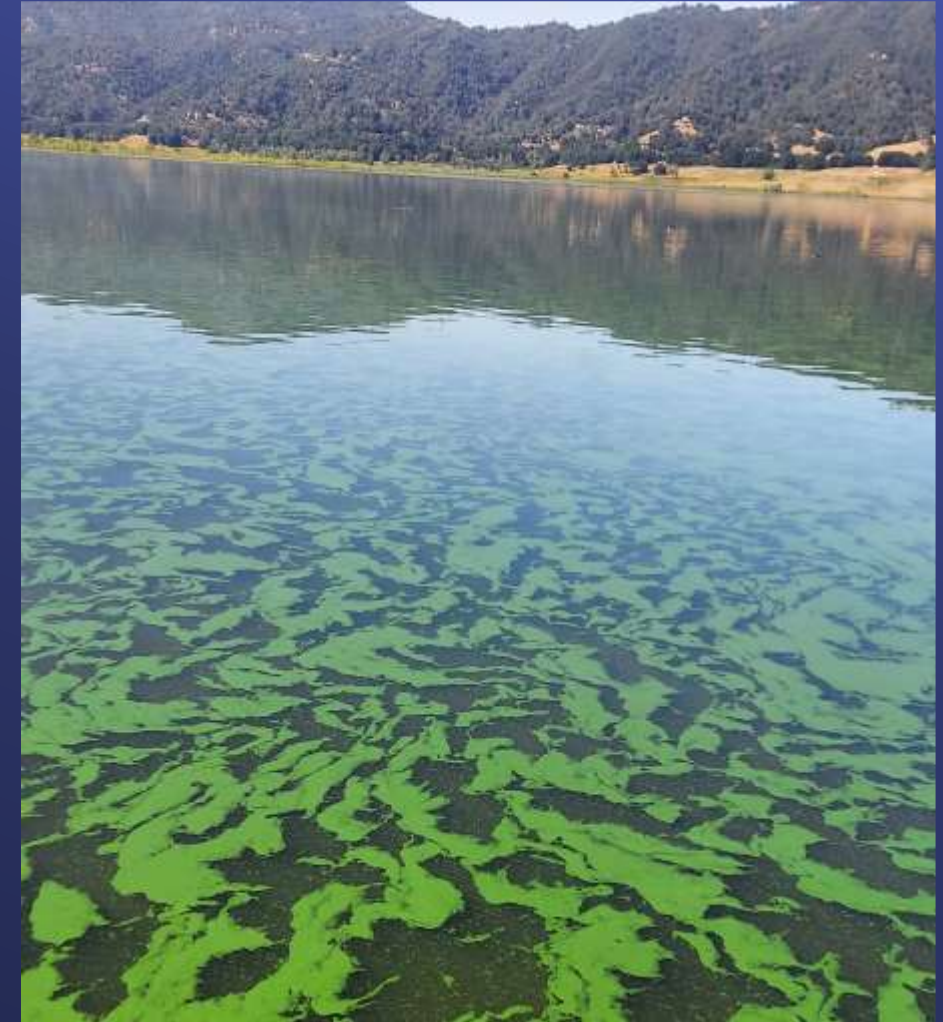
Requested: \$500,000  
Total Funding: \$2,747,307



Stormwater



The Pilot Study is intended to inform the  
Vista Irrigation District and the City of  
Escondido regarding the effectiveness of  
oxygenation in limiting harmful algal bloom  
formation and cyanotoxin production.



# GW Augmentation, Collection System, and New Wells Site Study

## Item 7-6



Long Beach Utilities (Lead) and Water Replenishment District



Requested: \$499,902  
Total Funding: \$ 2,038,580



Groundwater



The objective of the study is to evaluate the impacts of using recycled water to augment groundwater resources in the Central and West Coast Basins.

Metropolitan Water District of Southern California  
2023 Future Supply Actions  
Funding Program Application

Groundwater Augmentation, Groundwater  
Collection System and New Wells Site Study



1800 E. Wardlow Road  
Long Beach, CA 90807

*Applicant Information:*

Christopher J. Garner  
General Manager  
Long Beach Utilities Department

Submittal Date: February 5, 2023

# Headworks Reservoir Complex Direct Potable Reuse Pilot

## Item 7-7



Los Angeles DWP



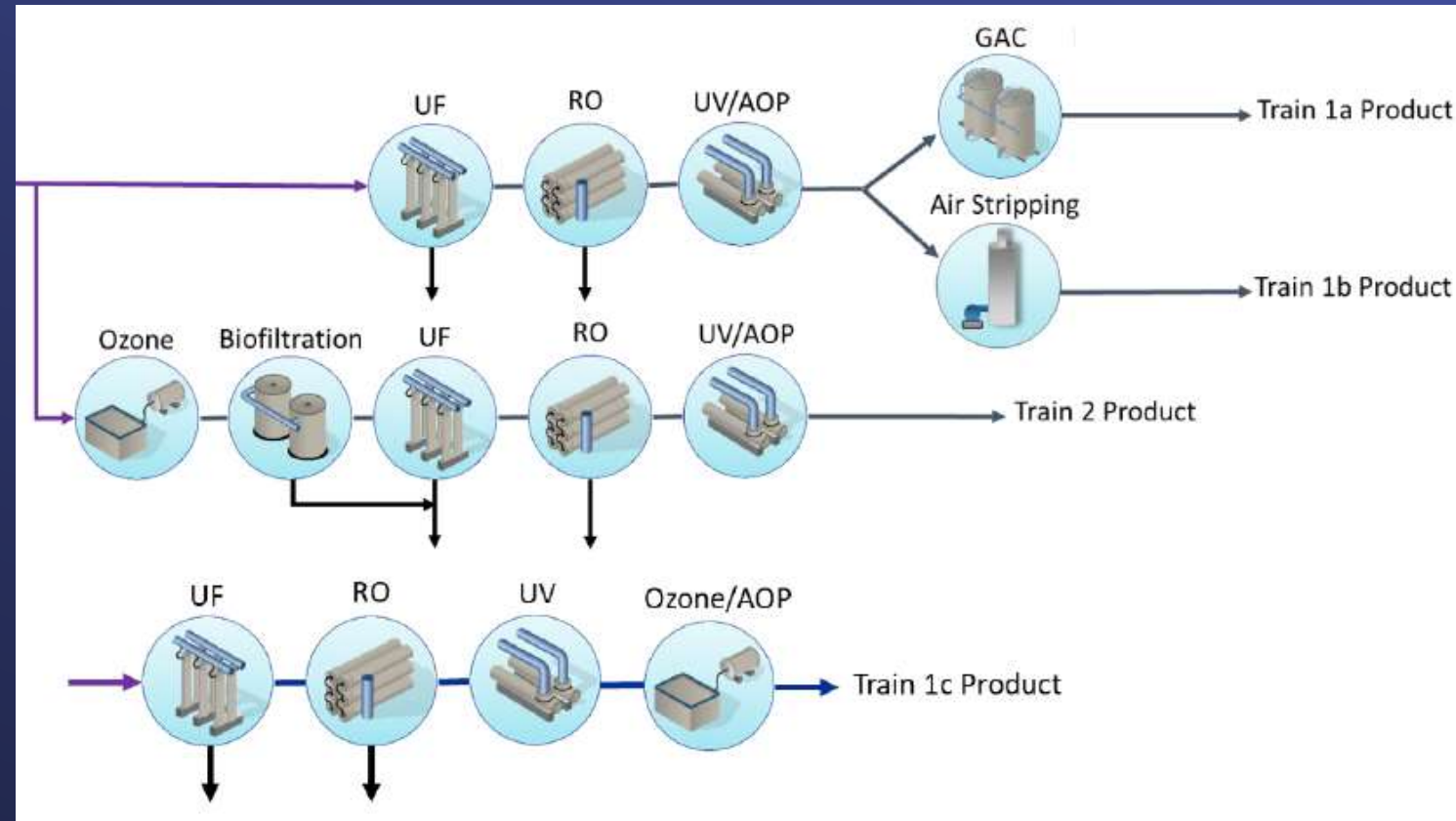
Requested: \$500,000  
Total Funding: \$3,996,026



Recycled Water



The objective is to demonstrate compliance with the recently approved DPR regulations and test advanced treatment technologies.





# OceanWell – Offshore Desalination Buoy Pilot

## Item 7-8



Las Virgenes Municipal Water District (Lead), CMWD, and EMWD



Requested: \$500,000

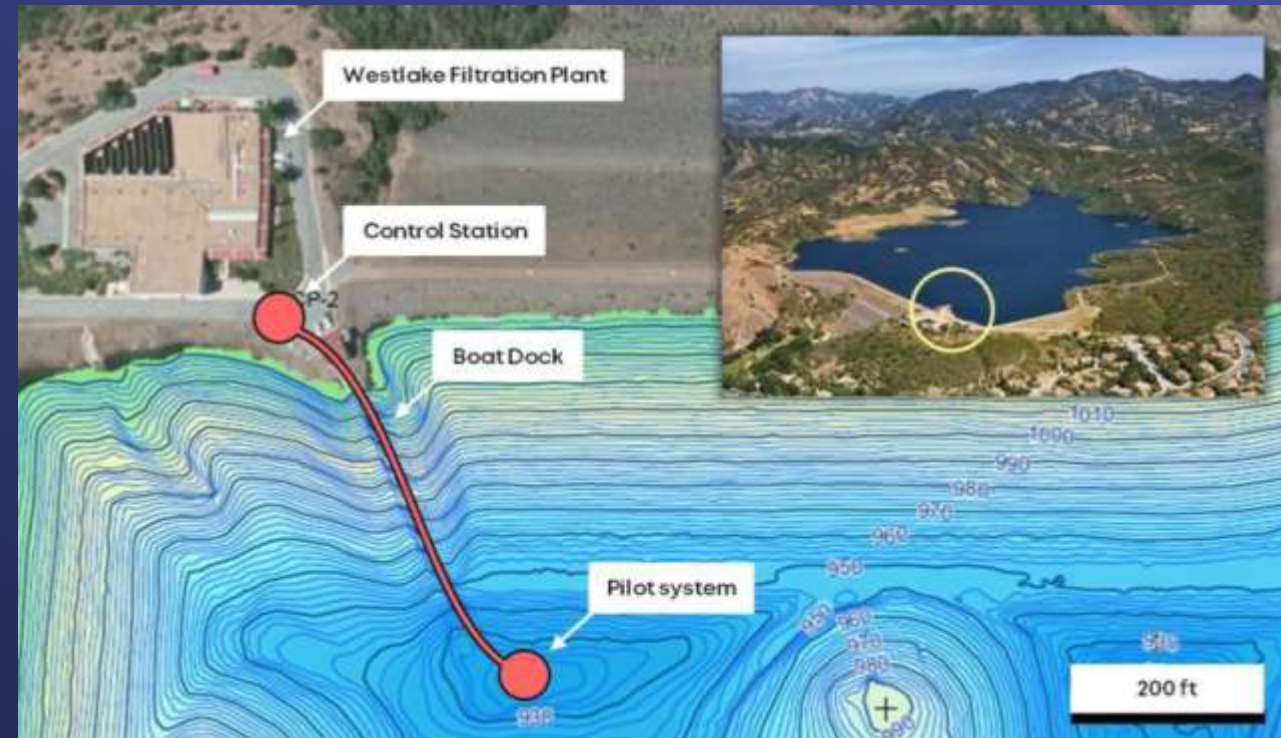
Total Funding: \$1,296,910



Seawater Desalination



The study seeks to validate the OceanWell submerged reverse osmosis technology by conducting a pilot test in the Las Virgenes Reservoir.



# Next Steps

Implement funding agreements with selected proposals



Track the progress of the studies



Hold a symposium to share results when studies are complete



2017 - Foundational Actions Funding Program Symposium

