



**WATER  
AGENCY**

# **Los Vaqueros Reservoir Expansion Multi-Party Agreement Amendment No. 5**

Zone 7 Board Meeting

July 19, 2023

# Project Supports Strategic Plan

## GOAL A

Reliable Water Supply  
and Infrastructure

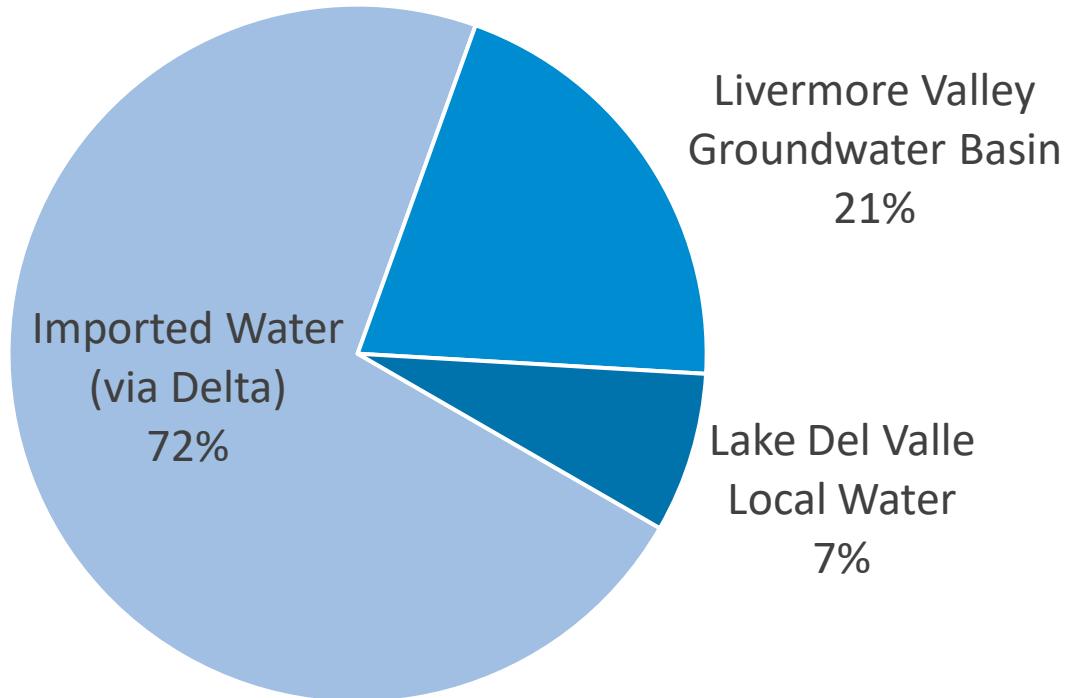
Provide customers  
with reliable water  
supply and  
infrastructure.

## Initiative 2

Evaluate and develop appropriate new  
water supply and reliability opportunities

# Zone 7's Current Water Supply

2018-2022 Average Water Supply



- Zone 7 stores excess imported water:
  - Locally - Livermore Valley Groundwater Basin
  - Downstream - San Luis Reservoir & Kern County Storage and Recovery Program
- Zone 7 relies on SWP facilities to import water stored downstream
- Zone 7 is seeking to diversify water supply portfolio in response to declining SWP reliability

# New Water Supply Reliability Projects

Project	Supply	Storage	Conveyance
Sites	✓	✓	
Desalination	✓		
Potable Reuse	✓		
Transfers	✓		
Los Vaqueros Reservoir Expansion (LVE)		✓	✓
Delta Conveyance Project			✓
Chain of Lakes Conveyance System	✓	✓	✓

# LVE Overview

## Project Description

- Expand Los Vaqueros Reservoir to increase storage capacity by 115,000 acre-feet (AF)
- Construct Transfer-Bethany Pipeline
- Total project cost: \$1.38B (future \$)

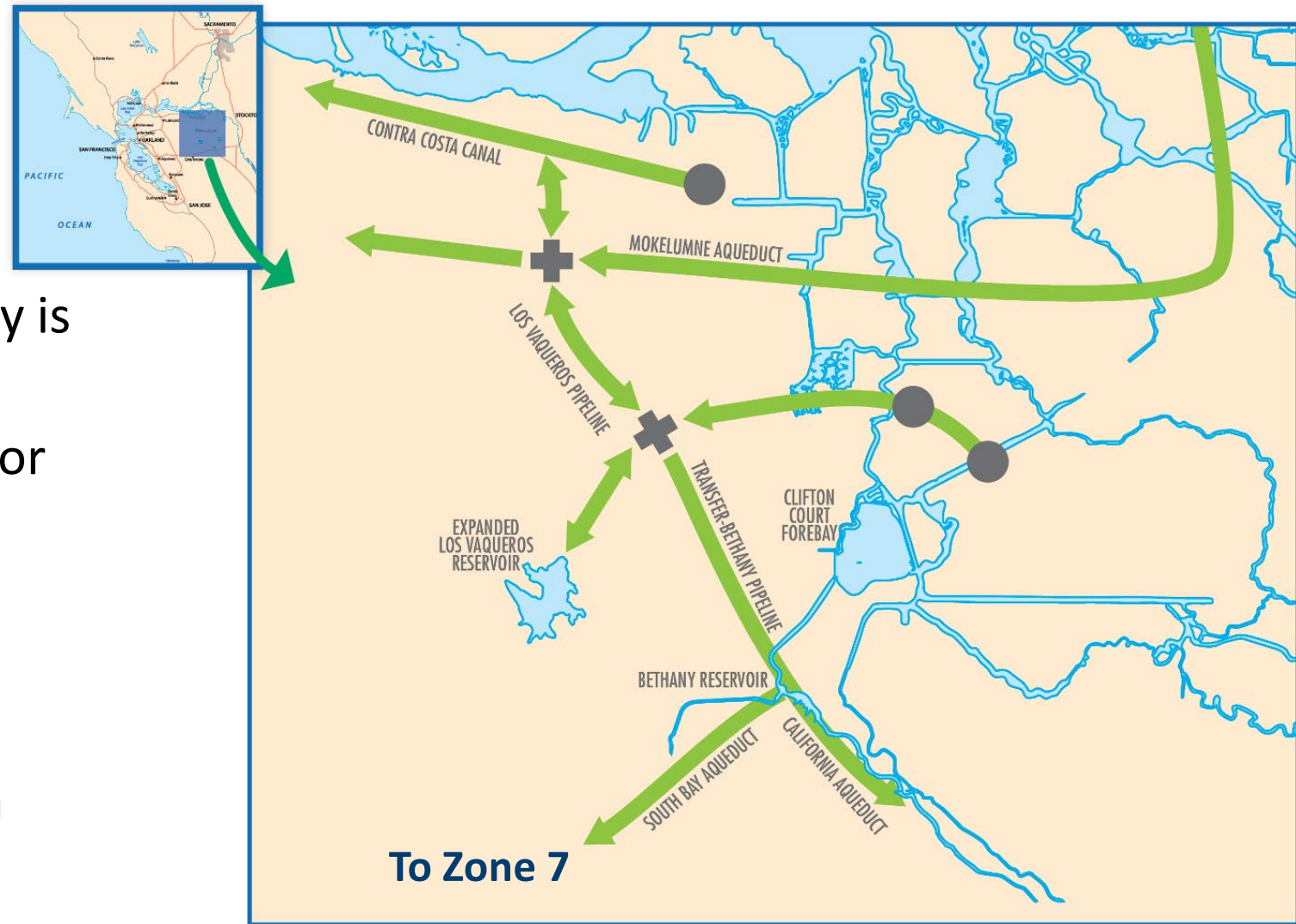
## Benefits

Project partners will buy-in to storage capacity and/or conveyance capacity

- Enhances water supply reliability in the Bay Area
- Improves environmental water management

# LVE Operations

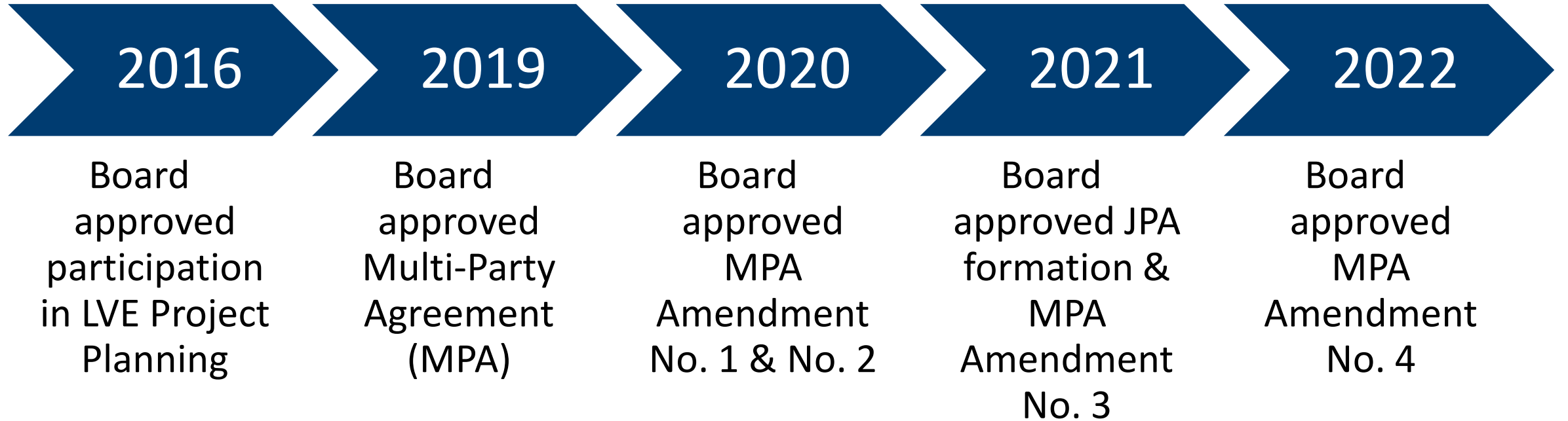
- CCWD's operations take first priority and remaining capacity is shared by other participants
- Zone 7 would be responsible for providing water supplies
- Zone 7's current participation assumes up to 10,000 AF of storage
- Zone 7 would take delivery via the Transfer-Bethany Pipeline



# LVE Allocation Requests as of July 12, 2023

Member	Storage (AF)	Storage Share	Transfer-Bethany Pipeline Capacity (cfs)
ACWD	10,000	9%	TBD
Zone 7	10,000	9%	TBD
Valley Water	50,000	43%	TBD
SFPUC	40,000	35%	TBD
EBMUD	30,000	26%	0
GWD (Refuges)	10,000	9%	TBD
SLDMWA	15,000	13%	TBD
<b>Total Requests</b>	<b>165,000</b>	<b>143%</b>	<b>-</b>
<b>Available Capacity</b>	<b>115,000</b>	<b>100%</b>	<b>300</b>

# Zone 7 Board Action Timeline



Zone 7's commitment to LVE to date: \$3.3M



# Multi-Party Agreement (MPA)

- Current MPA and its amendments fund the project through June 30, 2023
- MPA Amendment No. 5 will fund LVE through June 30, 2024
  - Cost to Zone 7: \$1,239,000
  - Funding is included in the FY 2023-24 Amended Budget for Fund 100 - Water Enterprise Operations and Fund 130 - Water Enterprise Capital Expansion.

# LVE's Benefits & Costs to the Tri-Valley

## Benefits

- Up to 10,000 AF of upstream local storage
- Operational flexibility for timing of water deliveries from the Kern County Storage and Recovery Program
- Alternative conveyance in case of Banks Pumping Plant outage in the Delta

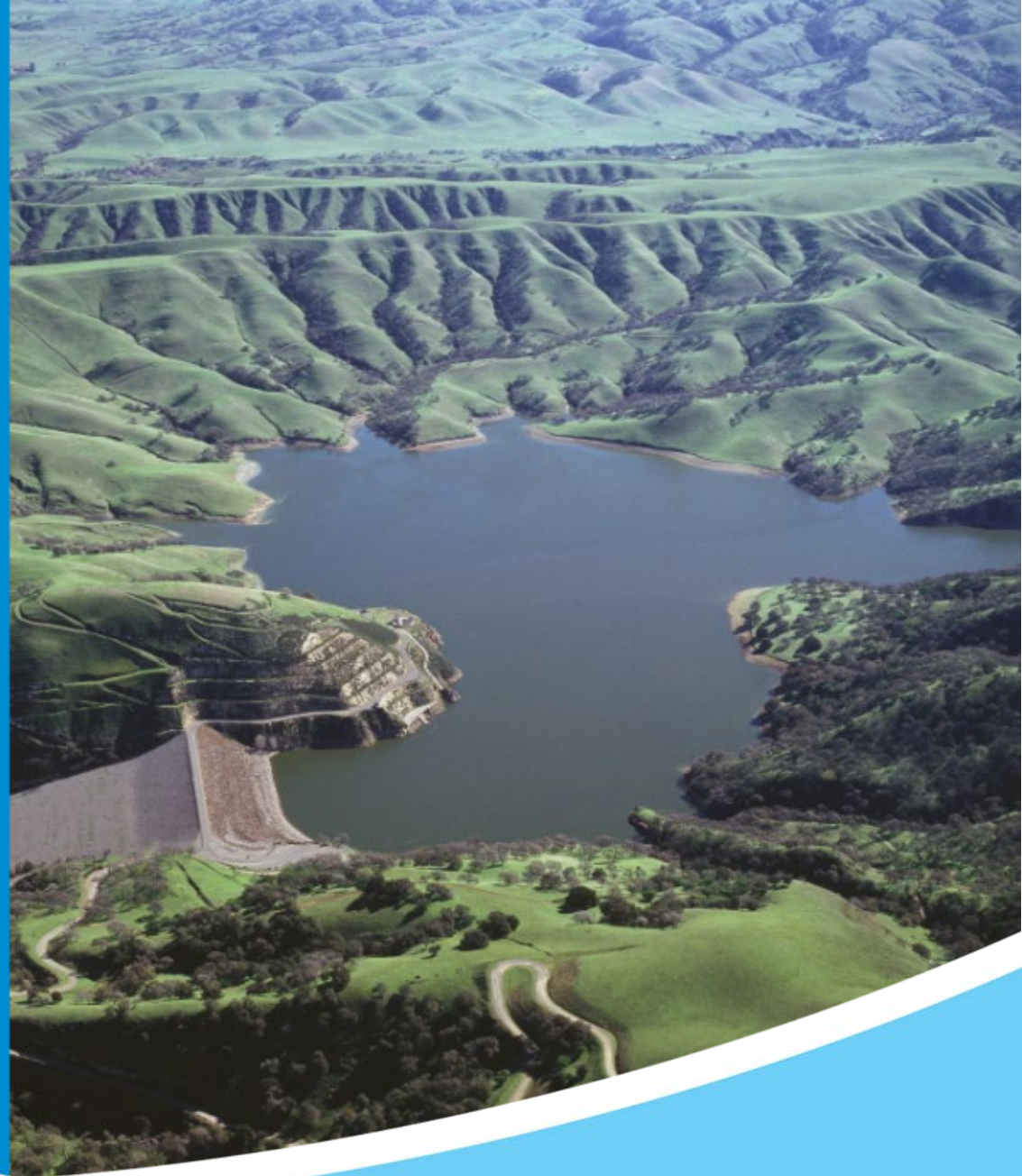
## Costs

- Estimated share of capital cost: \$53M (future \$)
- Estimated annual cost once project is fully operational ranges from \$4.4M to \$6.3M (future \$)
- Estimated unit cost: \$2,700/AF (2031 \$)
  - Includes debt service, O&M, and usage fees. Excludes cost of water supply source.
- Costs are being updated in upcoming work

# Staff Recommendation

- Given LVE's potential benefits to Zone 7, staff recommends ***continued participation in the project through the Multi-Party Agreement Amendment No. 5*** to allow continued evaluation of the costs and benefits of the project to the Tri-Valley

# Questions?



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