

# Temperance Flat Reservoir Project Update



Temperance Flat Reservoir Authority

*Presentation to:*

California Water Commission

October 2020

# Introduction of Team



## **Aaron Fukuda – Temperance Flat Reservoir Authority**

- TFRA Secretary
- Stepping down October 2020



## **Tal Eslick - Temperance Flat Reservoir Authority**

- Recently appointed TFRA Spokesperson
- Experience in government affairs

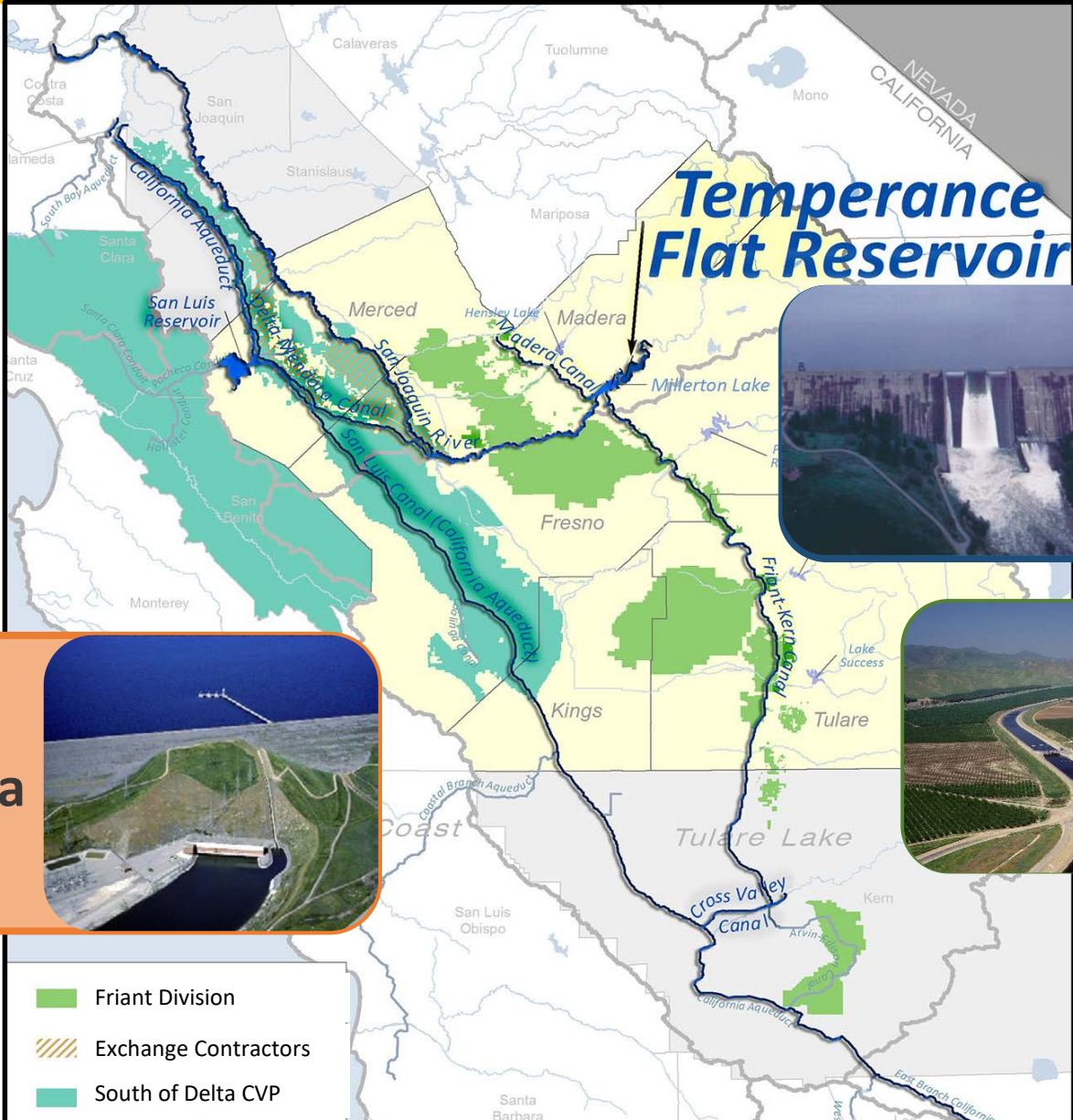


## **Bill Swanson - Stantec**

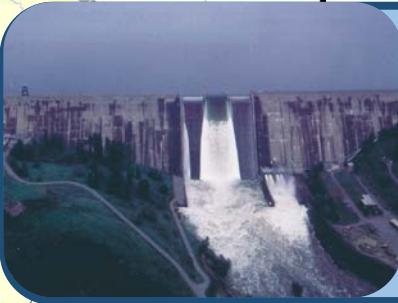
- Practice Leader - Water Resources Planning and Management
- Working on Temperance Flat Reservoir since 2003



# Temperance Flat Reservoir Supports the Coordinated Management of Water Supplies



## Temperance Flat Reservoir






San Joaquin River



South-of-Delta

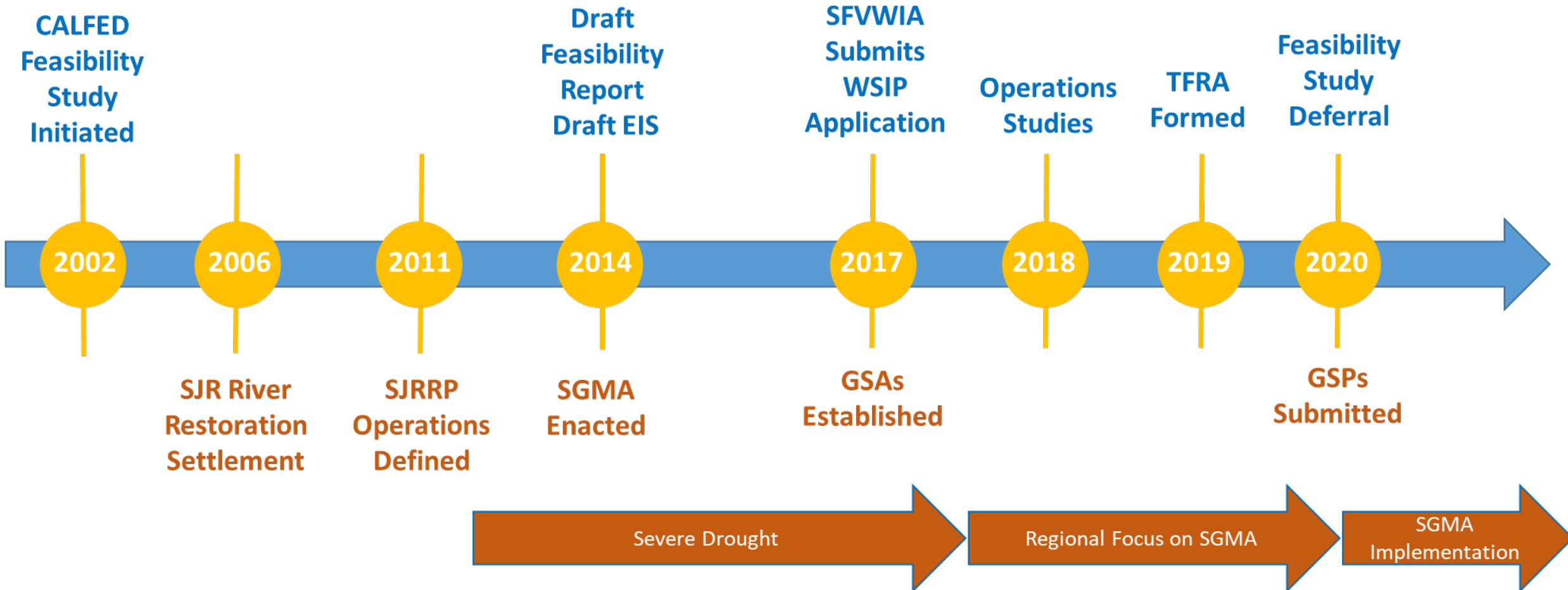


Other Local Watersheds

-  Friant Division
-  Exchange Contractors
-  South of Delta CVP



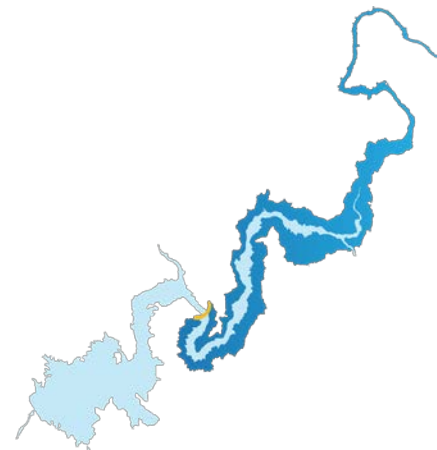
# TFR Project Development Timeline



# TFR Project Development Prior to WSIP Application

## US Bureau of Reclamation

- Upper San Joaquin River Basin (USJRB) Storage Investigation CALFED Feasibility Study – initiated in 2002
- Incorporates San Joaquin River Restoration Settlement
- Reclamation study focused on site selection, facility design, and use of additional San Joaquin River water supply
- Did not consider coordinated operations with other sources
- Draft Feasibility Report and Draft EIS released in 2014



# TFR Project Development Prior to WSIP Application

## **San Joaquin Valley Water Infrastructure Authority (SJWVIA)**

- Formed in 2016 by water user associations and counties
- SJWVIA members were not representative of potential public agency investors in the Project
- Prepared WSIP application for TFR Project
- Focused on regional integration opportunities of the project



# TFR Project Overview

## Expansion of Millerton Lake

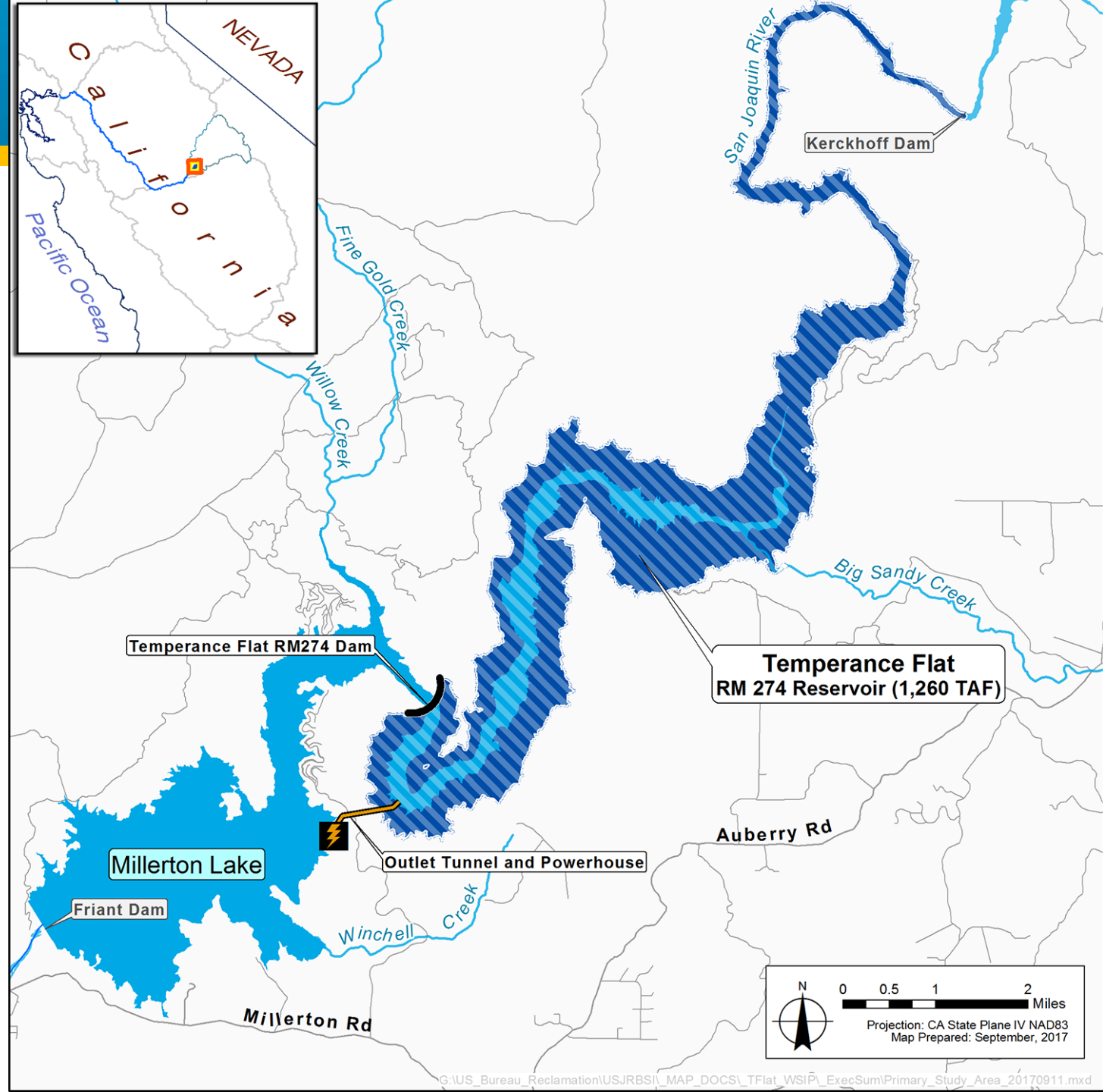
- 1.3 MAF storage in TFR
- 1.8 MAF total storage

## Facilities

- New dam in Millerton Lake
- 160 MW powerhouse

## Capital Cost

- \$3.2 billion



# CWC Determinations on the TFR Project

## Public benefits determined by CWC

- Ecosystem Improvement – Level 4 water supply for wildlife refuges
- Flood Control
- Emergency Response

## Maximum Conditional Eligibility Determination (MCED)

- \$171.33 M - double the ecosystem improvement benefit
- *Approximately 5% of capital cost*

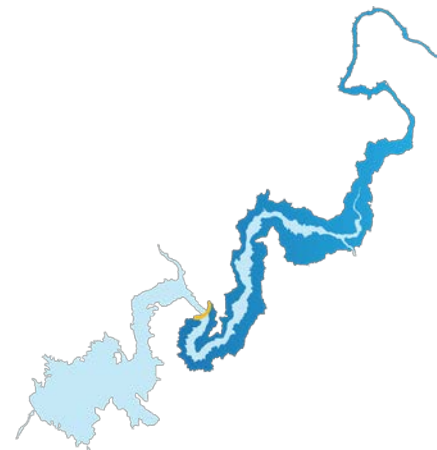




# Project Development after WSIP Application

## Technical Workgroup – 2017

- Public water agencies with potential interest in the project
- Operations and modeling effort to better define water benefits for each potential investor
- Found project can provide water at a reasonable cost but needs further refine of reservoir operations



# Project Development after WSIP Application

## **Temperance Flat Reservoir Authority – October 2018**

- Comprised of potential public water agency investors and water user associations
- Focused on project development principles and implementation planning
- WSIP application transferred from SJVWIA to TFRA
- Coordinating with Reclamation and CWC



# Regional Priorities since WSIP Application

## **Growers and water agencies are addressing numerous priorities:**

- Regulatory compliance with the Sustainable Groundwater Management Act
- Ongoing drought related impacts
- Water quality issues, including Disadvantaged Community drinking water needs

## **Potential project investors are focusing resources on these priorities**

- Not possible to develop a final operating plan for the TFR Project

**The TFR Project lacks sufficient funding commitments to advance towards construction at this time**



# Bureau of Reclamation actions since WSIP Application

## **Reclamation remains authorized to complete Feasibility Study and EIS**

- TFRA is the Cost-Share Partner for the USJRB Storage Investigation
- Reclamation updated analysis based on the WSIP application

## **TFRA requested Reclamation place the Feasibility Study in a Deferral Status due to lack of final operating plan at this time**

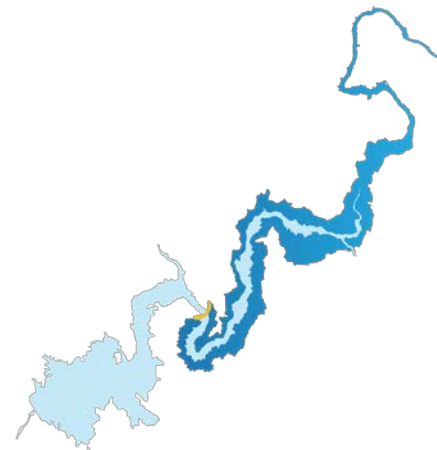
## **Reclamation is preparing a Deferral Report**

- Establishes the current status of the project
- Studies will continue when a final operations plan is completed



# Implications for WSIP Funding of TFR Project

- **TFRA foresees difficulty in meeting the January 2022 requirements to remain eligible for WSIP funding**
  - Completed feasibility study and CWC finding of feasibility
  - Draft CEQA document for public review
  - Commitments for 75% of non-WSIP funding
- **TFRA is informing CWC of a potential future action**
  - TFRA may notify the CWC via board action of an intent to decline WSIP funds
  - No such action has been taken as of this date
- **If TFR Project WSIP funds are returned, we request that CWC apply returned funds to new projects in the Central Valley that meet WSIP Program requirements**



# DISCUSSION

