

# New Propositions for Water Operations and Environmental Protection

- Overview
- SWP/CVP Coordination
- Long-Term EWA
- Next steps



Technical Review of the EWA: October 16, 2003

# Overview

- Expansion of permitted Banks capacity a key element of CALFED ROD.
  - Scheduled for 2003
  - 1+ years behind schedule. Delays result from
    - CVP/SWP disagreements over coordinated operations
    - Need to define long-term EWA.
    - Need to resolve south Delta water quality issues
- Napa resolved coordinated ops issues
- Set stage for agreements on long-term EWA and South Delta water quality issues.

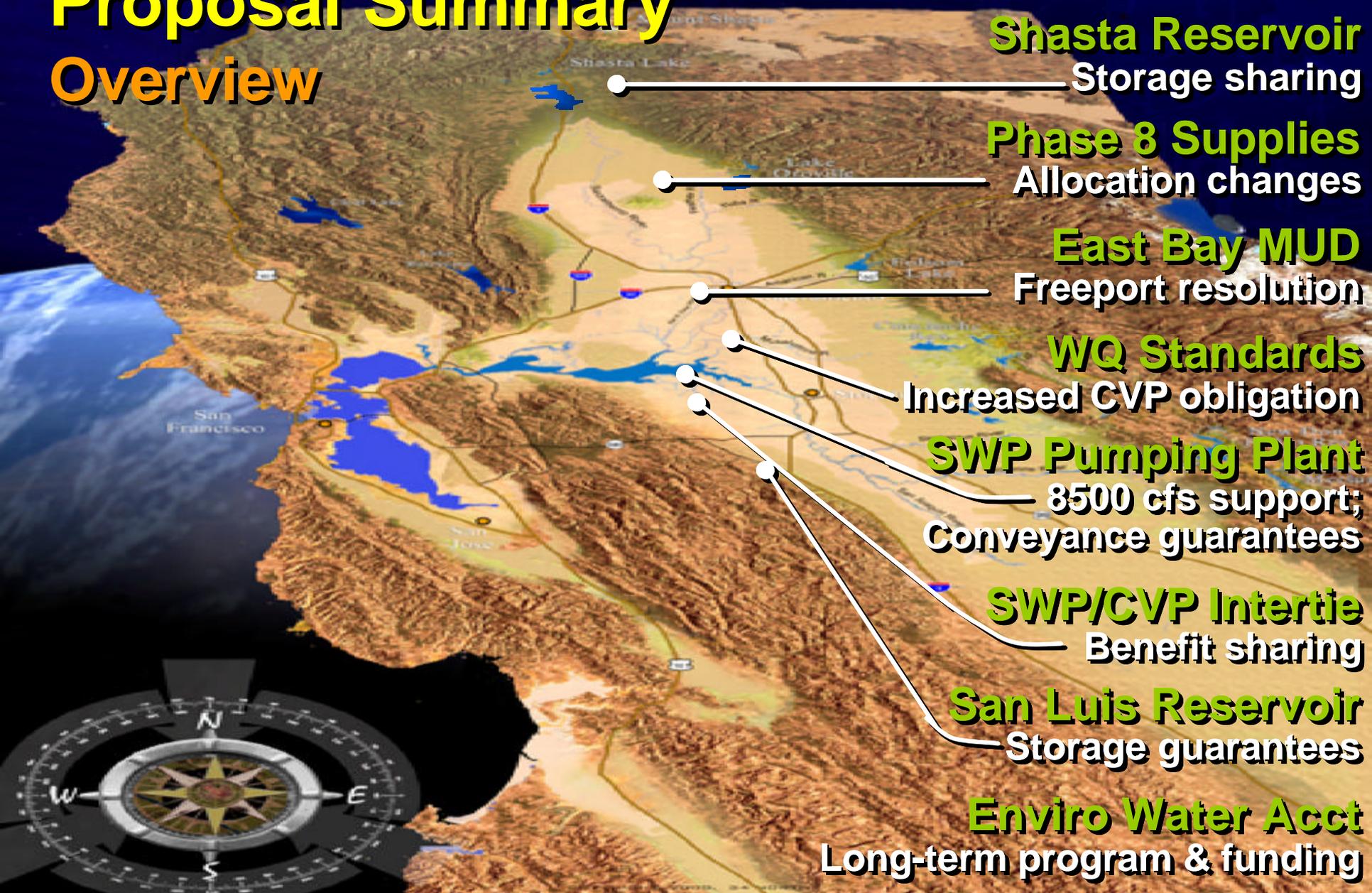
# Napa Proposition

- Mediated discussions July 14-18
- Focused on integration of CVP & SWP ops
- Participants
  - SWP contractors
  - CVP contractors
  - US Bureau of Reclamation
  - Dept. of Water Resources



# Proposal Summary

## Overview



**Shasta Reservoir**

Storage sharing

**Phase 8 Supplies**

Allocation changes

**East Bay MUD**

Freeport resolution

**WQ Standards**

Increased CVP obligation

**SWP Pumping Plant**

8500 cfs support;  
Conveyance guarantees

**SWP/CVP Intertie**

Benefit sharing

**San Luis Reservoir**

Storage guarantees

**Enviro Water Acct**

Long-term program & funding



**SWP Pumping  
Plant**

**CVP Pumping  
Plant**

**CVP-SWP  
Intertie**

# Proposal Summary

## Conveyance

- Cooperate to achieve 8,500 cfs at Banks ASAP
- Include 8,500 cfs in federal biological opinion & operations plan (OCAP)
- Convey up to 100,000 AF of CVP wildlife refuge supply by SWP
- Share benefits of 400 cfs CVP/SWP intertie

**Phase 8  
supplies**

# **Proposal Summary**

## **Water Supply**

**Water  
Quality  
Obligation**

- Up to 75,000 AF of CVP supplies provided to reduce SWP Bay-Delta Standards obligation
- Sac Valley Phase 8 shared -- 60% SWP, 40% CVP

# Proposal Summary

## Storage

An aerial photograph of the San Luis Reservoir, showing the large body of water surrounded by a vast, hilly landscape under a blue sky with scattered clouds. The reservoir is the central focus, with its dark blue water contrasting with the green and brown terrain.

San Luis Reservoir

- Increased CVP allocations through guaranteed storage minimums
- Payback same calendar year
- 5-year expiration date

# Proposal Summary

## Water Quality



- Implementation of proposal will not impact water quality
- Committed to cooperating on implementation of CALFED water quality actions

# Proposal Summary

## Environmental



- Environmental Water Account (EWA) past 2004
- Long-term EWA with adequate assets & financial plan
- Multi-year, multi-species ESA assurances plan

# Proposal Summary

## Terms

- Long-term agreement
- Performance evaluation every 5 years
- May be terminated after 10-yrs upon 1-yr notice
- Must be consistent with State & federal laws

# Proposal Summary

## SWP Benefits

### Additional SWP Supplies

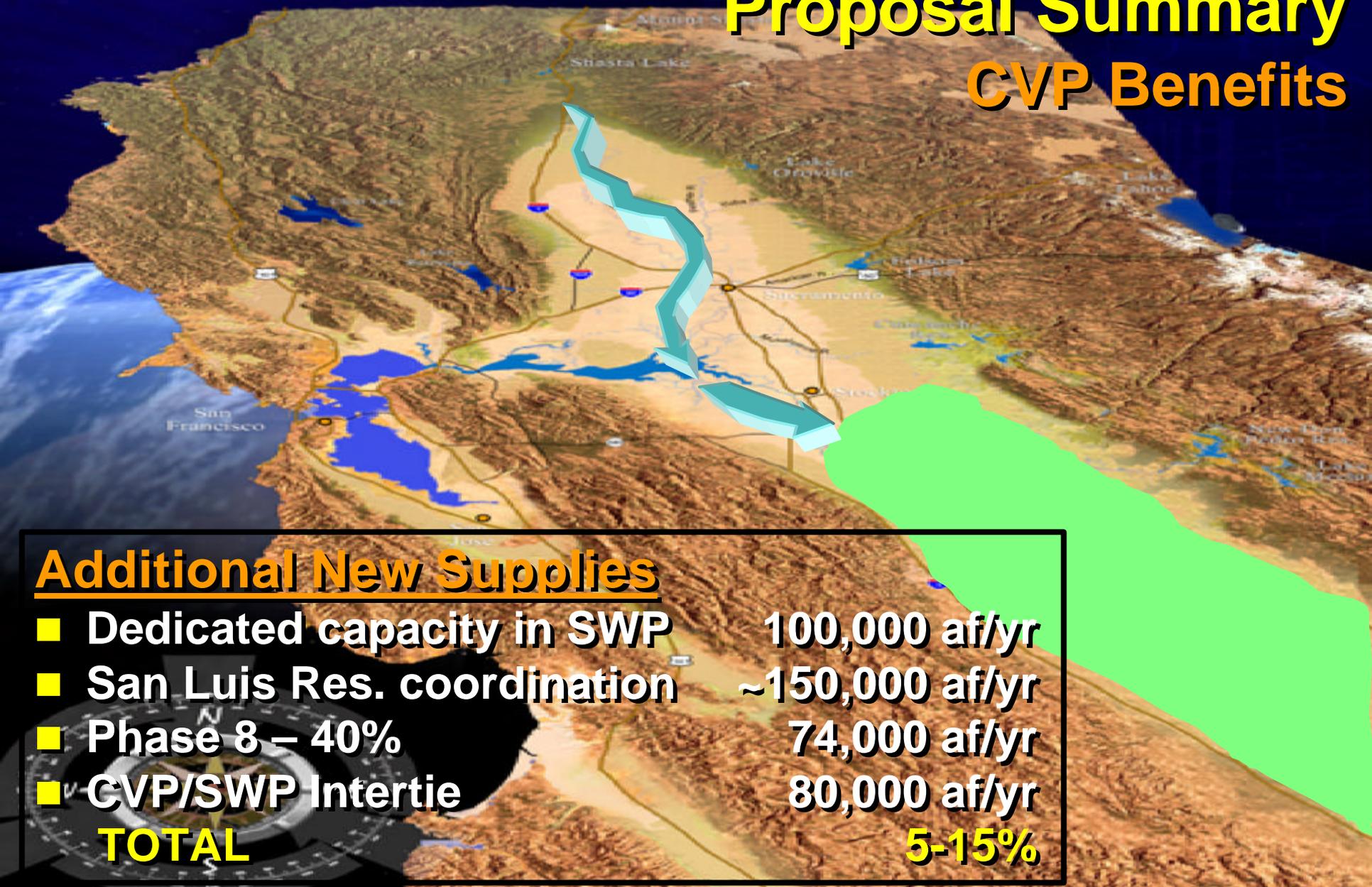
- Integrated Proposal 44,000 af/yr
- Related Projects
  - 8,500 cfs
    - Firm 56,000 af/yr
    - Surplus 144,000 af/yr
  - Phase 8 110,000 af/yr

### Available SWP Capacity

- Dry years 400-500,000 af/yr

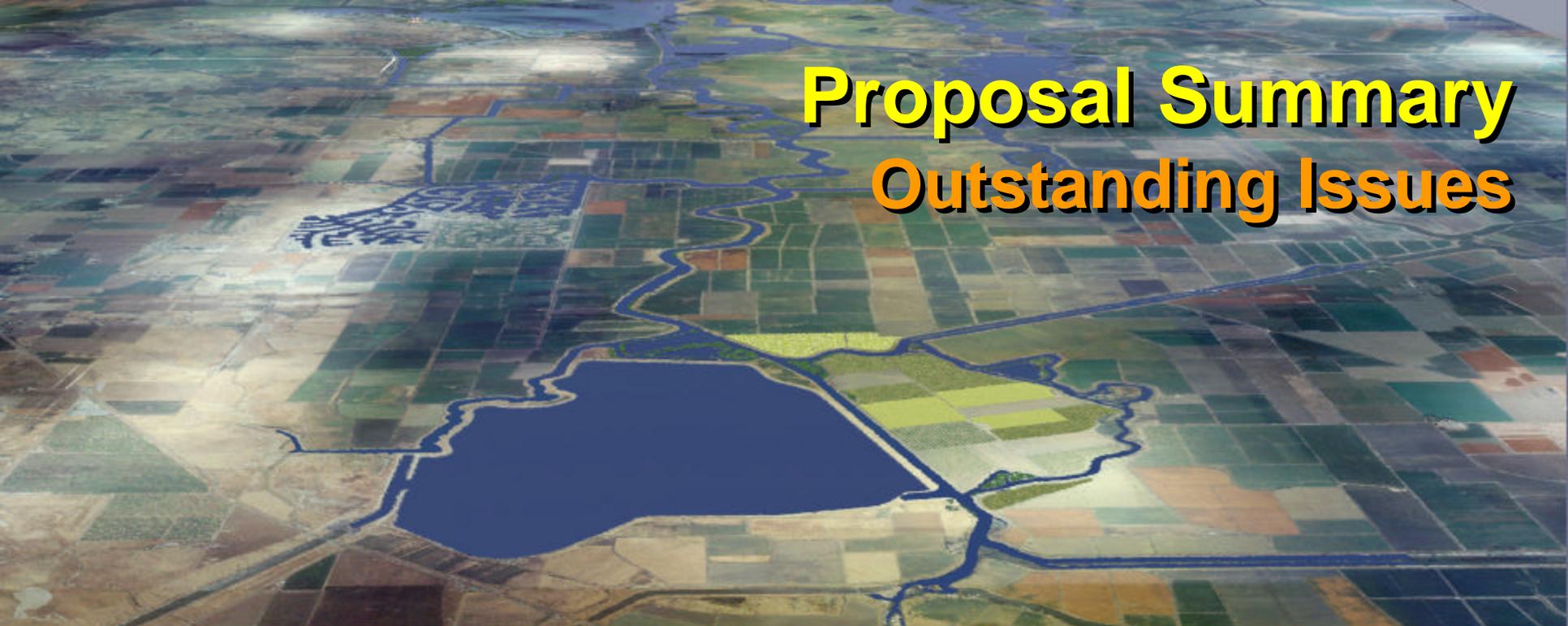
# Proposal Summary

## CVP Benefits



### Additional New Supplies

■ Dedicated capacity in SWP	100,000 af/yr
■ San Luis Res. coordination	~150,000 af/yr
■ Phase 8 – 40%	74,000 af/yr
■ CVP/SWP Intertie	80,000 af/yr
<b>TOTAL</b>	<b>5-15%</b>



# Proposal Summary

## Outstanding Issues

- EWA assets & funding
- Delta agricultural protection
- Delta water quality issues

# Development of Long-Term EWA

- EWA Rights and Contracts
- EWA \$ costs
- EWA capabilities
- Sources of EWA financing

# Proposed EWA Rights and Contracts

	<u>2000 CALFED ROD</u>	<u>10/7 - OCAP Proposal</u>
Fixed Assets	185 TAF	262 Average Purchases
Variable Assets	- 50% State Gain	Same as ROD
	- E/I Relaxation	Same as ROD
	- Share Excess Capacity	Same as ROD
	- Source Shift	Same as ROD
	- Summer 500 cfs	Last 30=f (actual capacity)
		100 SLR debt carryover
Storage/Exchange	200 SOD Storage	200 Semitropic
		200 Wet/dry exchange
Anticipated Fish	380 Average	250 - 490
Actions		374 Average

# EWA Costs

- Annualized costs in range of \$34 million/year.
  - Similar to recent EWA budgets
- Large variations between years.

# EWA Capabilities

- EWA export actions may average 370 TAF
  - Similar to ROD, but higher than historical use.
  - High variability. Some years may be as high as 500 TAF.
- Improvements over current EWA
  - Peaking capacity
  - Financial reserves
  - Cross year optimization
  - Reliable income stream

# Funding Sources

- EWA = Combination of ESA Assurance and Protection/enhancement beyond ESA.
- Therefore combine public/ water user funding
- Sources under discussion include
  - State and federal appropriations
  - State bond money
  - CVPIA Restoration Fund
  - Wheeling fees
  - Reprogram SWP budget elements
  - SWP payments

# Next Steps

- Finalize EWA rights and contracts.
- Estimate EWA financial needs
- Determine funding sources
- Negotiate long-term EWA contracts
  
- South Delta/Water quality issues

