



EWA

Does it Continue?

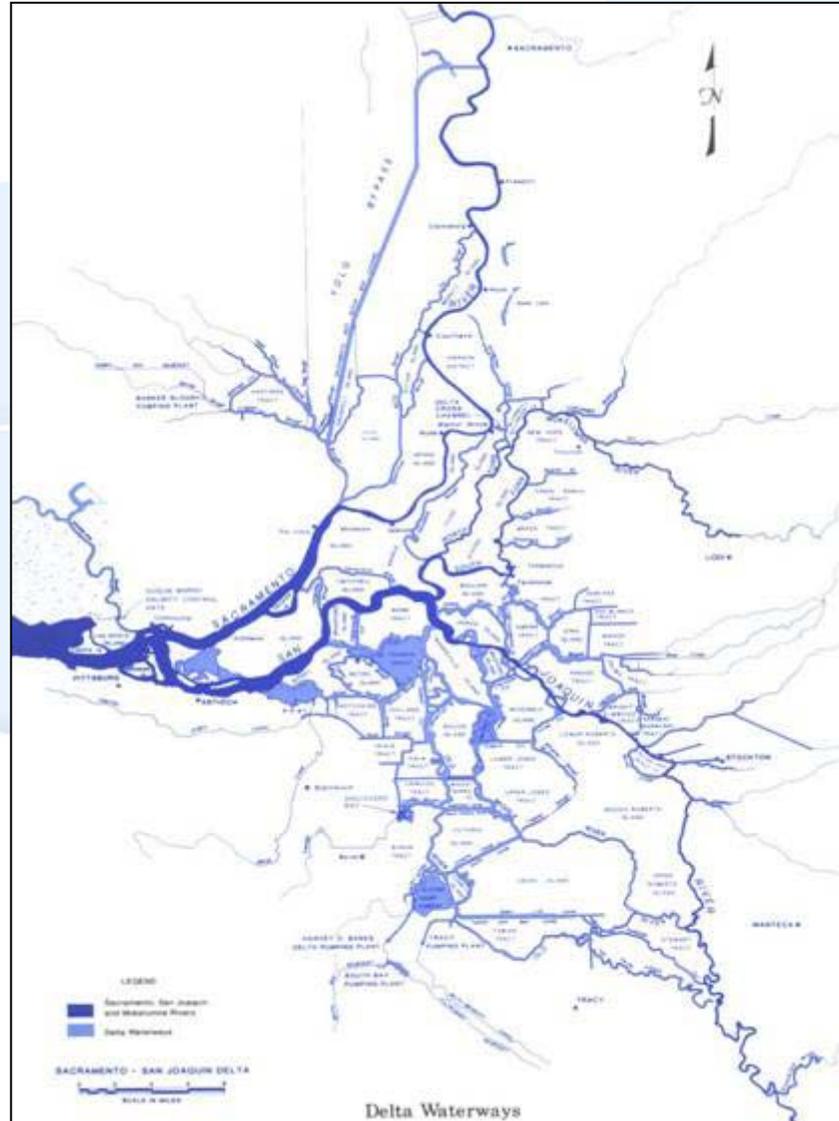
Sacramento-San Joaquin River Delta (Delta)

CALFED
Bay-Delta
Program

Record of
Decision
August 2000

EWA First
Year

2000-01



EWA Topics

- What Is EWA?
- Summary of First 3 Years
 - Fish actions
 - Water Purchases
 - Dollars
- Development of EWA OCAP Proposal

What is EWA?

- Cooperative Management Program
 - to provide protection to fish of the B/D
 - by changes in operation of the CVP & SWP
 - at no uncompensated costs to project users
 - Four year program extendable by EWA Agencies
- ESA Water Supply Commitments =
Regulatory Baseline + Functioning EWA +
Tier III + \$150 Million for ERP actions

Observations on EWA over the First Three Years

- EWA is working. 2 Dry years, 1 Above Normal no big fights
- Fish have benefited – Stable water supply
- 2002 70 % CVP and SWP allocation in a dry year
- Focused on Delta with coordinated upstream benefits
 - Yuba, Merced, American (Power Bypass)
- Approx. 900 TAF in fish actions - \$120 Million
- Average: Actions 296 TAF, Purchases 264 TAF
SOD Deliveries 248 TAF
- What Price Peace

EWA in 2001, 2002, and 2003

Assets Acquired	2001 (Dry) (TAF)	2002 (Dry) (TAF)	2003*(AN) (TAF)
Purchase UOD	+105	+145	+70
Conveyance & Carriage Costs	-17	-31	-0
Purchased SOD			
State	+159	+37	+145
Federal (in kind in 2001)	+72	+60	0
SUBTOTAL	=319 (336	=211 (242 Purc)	=215 (215
Carryover from 2001,	Purc.)	+84	Purc.)
2002 Operational	+55	+20 (Net SL spill	+86 (Net Oro
TOTAL	=374	=315	=347
Fish Actions	<u>-290</u> (290 State/0	<u>-249</u> (177 State/72	<u>-348</u> (322 State/26
Carryover to 2002	Eqd)	Fed)	Fed)
Carryover to 2003		=66	
Carryover to 2004			= -1 (Debt)
Source Shift Activation	50 of 100	0 of 100	0 of 100

EWA Budget

Budgeted State M	2001	2002	2003
	\$ 59 M	\$ 28.2 M	\$38.2
• Federal (01 in kind)	<u>\$ 10 M</u>	<u>\$ 12.5 M</u>	<u>0.0</u>
• Total	\$ 69 M	\$ 40.7 M	\$38.2 M

Actual	(Dry)	(Dry)	(AN)
• Fixed and forward	\$ 6.6 M	\$ 1.0 M	\$0.6M
• Water Purchase	\$ 60.3M	\$ 28.9M	\$31M
• Acquisitions	336 TAF	242 TAF	215TAF
• Average Price	\$179/AF	\$120/AF	\$144/AF

Does EWA Continue?

If so, In What Form?

- Who Benefits
 - Water supply Reliability – SWP/CVP
 - Trajectory Towards Recovery – F&W, Public
- Size of EWA
 - With 6680, with 8500 and Intertie
- Formulation and Funding
 - Participation by CVP and Federal funding
 - Water User and Public Funding
- Vehicle to Extend –
 - New EWA Operating Principles Agreement

Status of Proposed Long Term EWA

November 3, 2003

	<u>2000 CALFED ROD</u>	<u>10/7 - OCAP Proposal</u>
Fixed Assets (SOD Equivalents)	185 TAF	210/230/250 TAF Critical/Dry/other
Variable Assets	<ul style="list-style-type: none"> - 50% State Gain - E/I Relaxation - Share Excess Capacity - Source Shift (100 TAF) - 500 cfs @ Banks July - Sept 	<ul style="list-style-type: none"> - Same as ROD - Same as ROD - Same as ROD - Same as ROD - Same but last 30 TAF based on actual capacity - 100 SLR debt carryover
Storage/ Exchange	- 200 TAF SOD Storage	<ul style="list-style-type: none"> - 200 Semitropic - 200 Wet/dry exchange (adds 24 TAF Average)
Anticipated Fish Actions	380 TAF	250 - 490 TAF 374 TAF Average

EWA Operations Model

- Preliminary Findings
 - With the tools provided in the straw proposal, and variable assets performing as projected, EWA assets will support desired fish actions with small risk of reduction
 - Compromises could be required
 - Interactive application of the model can lead to an effective EWA

EWA Issues Ahead

- Clarify the **Purpose** of EWA and its beneficiaries
- Integration of **Science** in EWA and policy decisions
- EWA **Size and assets** (fixed and variable)
- Definition of **Tier 1** Baseline over time

EWA Issues Ahead (cont.)

- How EWA is characterized in **OCAP**
- **Long-term ESA Commitments** with a long term EWA
- **Operating rules** with 8,500 and Intertie (400 cfs)
- Vehicle to **Extend EWA** and Term of extension
- **Financing** of EWA long-term

Water, Salt, and Fish

- Purpose
 - Discuss role of recent scientific developments in guiding management of the South Delta
 - Highlight how knowledge has changed
 - Brief summary of EWA panel report
- Fundamental issues:
 - How do water, salt, and fish move through the Delta?
 - Effects of water project operations
 - How models have changed
 - What do we do differently as a result?
- Mismatch between science and management
 - Timing
 - Consequences of being wrong