

PHASE I CONCEPTUAL ALTERNATIVE

ISSUES -

- 1) So many fundamental changes are proposed as part of this solution that it is unlikely the efficacy of individual changes can be identified. Such an eventuality will preclude further actions.
- 2) New fish screens in the south Delta will be difficult to design, construct and operate, and present a significant "sunk cost."
- 3) Operational restrictions (curtailments and pulse flows) proposed to protect Delta smelt and chinook salmon, would eliminate many of the gains associated with the construction of the new fish screens.
- 4) Much of the concern driving the need for new fish screens for the SWP are related to the "pre-screen losses" in Clifton Court Forebay.

ASSUMPTIONS -

- 1) The proposed "Interim South Delta Program" will deliver 15,000cfs to the north end of Clifton Court Forebay at low tide. Further, it will also deliver 5,000cfs to the CVP intake on Old River at low tide.
- 2) That only minor additional work will be required to get 10,000cfs of water to the existing radial gates (into Clifton Court Forebay) at low tide.
- 3) Existing louver efficiencies remain similar to those established in the earlier times, or that minor repairs will reestablish those efficiencies.

PROPOSAL - (Paradigm Shift)

- 1) We build a 2,500cfs research facility at the head of the CVP facilities and answer the remaining questions associated with building facilities in the south Delta over the next seven years.
- 2) We reopen the SWP connection to Italian Slough, and reestablish the 6,300cfs capacity of this channel connection.
- 3) We open (and leave open) the radial gates to Clifton Court Forebay, meeting the balance of the SWP export requirements from that source.
- 4) We adjust the "Four Pumps Mitigation" model to eliminate (or reduce to 15% as was assumed for the CVP) the predation loss factor.