



Memorandum

Date: September 17, 1997
 To: Lester Snow
 From: Steve Yaeger 
 Subject: Proposed Changes to Alternative Descriptions

We have recently completed a review of the Agency and BDAC comment letters on the Alternatives Descriptions dated May 8, 1997. Based on this review, I recommend that we make the modifications listed below in the descriptions of the Alternatives. We haven't yet identified what form this update of the Alternative Description will take or when this update might be surfaced publicly, however, I feel that the time is ripe to move toward agreement at the staff level in the hope that it will be helpful in the IDT process. This memo will be circulated among the Program Managers for review before it is finalized. We plan next to catalog the stakeholder comments.

The proposed modifications include:

Alternative 1b and 1c

- Consolidate fish screen facilities for both projects to the intake of Clifton Court (using back feed pumps to control approach and sweeping velocities).

Alternative 1c

- Connect Victoria, Woodward and Bacon Islands via 5kcfs siphons.
- At northeast tip of Bacon Island construct 4kcfs screened intake.
- On both Old and Middle Rivers, construct 5kcfs screened intakes to Victoria Island.
- Connect Victoria Island to CCF with 15kcfs siphon, with 15kcfs pumping facility.

Alternatives 2a, 2b, 2c, and 2d

- Consolidate fish screen facilities for both projects to the intake of Clifton Court (using back feed pumps to control approach and sweeping velocities).
- Connect Victoria, Woodward and Bacon Islands via 5kcfs siphons.

CALFED Agencies

California
 The Resources Agency
 Department of Fish and Game
 Department of Water Resources
 California Environmental Protection Agency
 State Water Resources Control Board

Federal
 Environmental Protection Agency
 Department of the Interior
 Fish and Wildlife Service
 Bureau of Reclamation
 U.S. Army Corps of Engineers

Department of Agriculture
 Natural Resources Conservation Service
 Department of Commerce
 National Marine Fisheries Service

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- At northeast tip of Bacon Island construct 4kcfs screened intake.
- On both Old and Middle Rivers, construct 5kcfs screened intakes to Victoria Island.
- Connect Victoria Island to CCF with 15kcfs siphon, with 15kcfs pumping facility.
- Extend North Bay Aqueduct Intake to the Sacramento River and screen

Alternative 2a

- Increase intake at Hood to 15kcfs to allow for total closure of Cross Channel/Georgianna Slough. Install boat lock and fish passage at intake. Continue to avoid use of Snodgrass Slough as part of conveyance channel as seemingly in conflict with protecting wetlands.

Alternative 2b

- Increase intake at Hood to 15kcfs to allow for total closure of Cross Channel/Georgianna Slough. Install boat lock and fish passage at intake. Continue to avoid use of Snodgrass Slough as part of channel as seemingly in conflict with protecting wetlands.

Alternatives 3a, 3b, 3h

- Add a 10,000 cfs screened intake near the Delta Cross Channel for the thru Delta Facility
- Extend North Bay Aqueduct Intake to the Sacramento River and screen.
- Add pipeline Isolated Facility (IF) as an option.
- Provide more definitive narrative indicating that IF siphons under all stream channels, channels, and sloughs (and does not decrease flood capacity thereof).
- Provide more definitive narrative indicating that seepage control will be constructed with all IF.

Alternative 3b

- Add DFG and FWS approach as an option of alternative 3b with these elements:
 - 10kcfs IF with screened intake at Hood, in 3 bay configuration.
 - 2-3kcfs turnout into Mokelumne River near New Hope Tract.
 - Screened intake to SWP pumps from Italian Slough when export rates are low.
 - Modified Interim South Delta actions with Middle River Barrier and eliminating other ag barriers, eliminate dredging and intake relocation/enlargement provide overland supplies to other South Delta farmers from IF.
 - North and South of Delta storage of 1-1.5MAF.
 - 200KAF in-Delta storage in South Delta.
 - Groundwater storage and upstream San Joaquin storage as in Alt. 3g.
 - Discontinue use but retain current intake to CCF for contingency needs.

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- Build intertie between SWP (CCF) and CVP (Old River).
- Upgrade CVP fish screens and salvage facility.
- Construct Head of Old River operational radial gate barrier.
- Various specific and comprehensive operational criteria proposed by DFG.

Alternative 3b

- Describe potential to serve South Delta Islands.
- Modify In-Delta Storage
 - Eliminate man-made waterways between Bacon, Woodward and Victoria Islands that would otherwise require siphons to make them single reservoir.
 - At northeast tip of Bacon Island construct 5kcfs screened intake.
 - At opposite ends of existing North Victoria Canal, which would be closed off with new levees, construct 5kcfs screened pumping facilities.
 - Connect Victoria Island to CCF with 15kcfs siphon, with 15kcfs pumping facility.

Alternative 3e and 3i

- Provide more definitive narrative indicating that IF siphons under all stream channels, channels, and sloughs (and does not decrease flood capacity thereof).
- Provide more definitive narrative indicating that seepage control will be constructed with all IF.
- Extend North Bay Aqueduct Intake to the Sacramento River and screen.
- Modify in-Delta storage as in 3b.

Alternative 3e

- Add more definitive narrative describing the counties on the east side, south side (including South Delta Islands), and west side that would be served by optional spur lines off the IF. Describe benefits.

Attachment