

Ad Hoc Review  
CALFED Storage and Conveyance Refinement Process  
October 10, 1996, 1:30-3:30  
Rm 1142, Resource Building

Agenda

- 1) Status Report on Storage and Conveyance Refinement Process
- 2) Review of revised draft modelling Assumptions Package
- 3) Discussion of questions and concerns regarding assumptions and component refinement process
- 4) Other items

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Participants

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Jerry Johns		( 916 ) 657-1981
Russ Brown		( 916 ) 737-3000
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Key Points of Meeting

- Storage and Conveyance refinement process will go through many iterations, with opportunities for agency and stakeholder input at each step
- The draft report, "Storage and Conveyance Refinement Process, Sept. 29, 1996", was distributed and discussed to give CALFED agencies an opportunity to become familiar with a portion of the system analysis approach proposed for the process. Some relationships between storages, conveyances, and costs were described in text and graphs. However, it was strongly emphasized that the numbers were very

preliminary, and not necessarily of the correct magnitudes.

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#### Meeting Notes

Stein Buer said that the storage and conveyance refinement process would involve a series of iterations with refinements in assumption, modeling detail and data at each step. To begin with the modeling process would be fairly rough, based on the modeling assumptions agreed to by the process participants.

Stein indicated that he felt that the shapes of the graphs presented in the draft report were fundamentally correct, but the values would change as the models and input information is improved. He also explained relationship between conveyance capacity and storage in dollar amounts which was also presented in the package. Stein then went ahead and explained the analysis done in Component refinement package.

Dick Daniel described how the Ecosystem Restoration workgroup is developing flow objectives related to ecosystem restoration goals.

Ted Roefs expressed concern about the exclusion of evaporation numbers in the preliminary spreadsheet modeling runs. He felt that evaporation could significantly affect water supply opportunities, especially if the proposed new reservoir has a large surface area to volume ratio. He suggested Ben to include his concern in the modeling runs. (Update: The spreadsheets have been revised to include reservoir evaporation).

Jerry Johns said that the spreadsheet is probably a good screening tool when combined with DWRSIM verification. He has found the approach very useful for the Board's preliminary evaluation of various Delta evaluations.

The issue of reservoir operations was discussed at length. The spreadsheet model assumes that reservoirs are operated without regard to carryover, which tends to inflate apparent yield figures and also underestimates the water available in dry and critical years. There were also questions about whether and when new reservoirs could be filled, given that the critical period occurs early in the data sequence (1928-1935)

Ben Everett described in detail his assumptions and logical approach to developing the spreadsheet post processing models. He indicated that the spreadsheets were available to those who would like to work with it and perform their own analyses.

It was emphasized that the spreadsheet models do not reoperate the existing system, they simply provide an accounting method to detect water supply opportunities in the existing system and to estimate opportunities to store, release, and export water which is in excess of current regulatory requirements. It was also emphasized that the CALFED Benchmark DWRSIM run, 472, was very preliminary and would be updated as soon as current modeling difficulties were resolved. This run is the foundation for the current spreadsheet evaluations.