

**DRAFT
CALFED Staff
EWA Strawman Explanation**

GOALS IN STRAWMAN DEVELOPMENT

- Meet biological needs
- Largely eliminate risk of additional supply costs to Projects
- Improve export supplies
- Cost not a major criterion

EWA ASSETS INCLUDED

- See spreadsheet for complete listing
- Key assets are:
 - Access to surplus and new Project capacity.
 - Storage
 - Water purchases
 - Borrowing of Project water, provided collateral exists for payback.

EWA SIZE

- Size a function of b(2) rules, baseline assumptions, biological goals, degree of residual acceptable Project risk. Change in any items would change the needed size of the EWA.
- Average amount of water to be controlled by EWA = 473 TAF, based on analysis of 1981 – 1988. This amount is higher than the projected 400 TAF, based upon earlier CALFED gaming. Reasons:
 - B(2) rules in most recent CALFED game provide more protection for fish than the B(2) rules in the corresponding earlier CALFED games. All things being equal, the b(2) rules in the most recent game would reduce the needed size of the EWA. However,
 - The most recent game also includes higher Trinity flows and lower American River flows as baselines. Also, existence of EWA may encourage greater application of b(2) upstream to meet AFRP recommendations. End result is that the latest increases net use of b(2) upstream by 134 kaf and decreases b(2) export reductions beyond WQCP by 41 kaf, compared to earlier games. As a result, EWA target size rises from 430 kaf (derived from the previous games for 1981 - 1988) to approximately 473 kaf.
- A shift from b(2) rules in the latest game to the complete Federal preference would reduce EWA needs by about 19 kaf per year.
- A shift from b(2) rules in the latest game to the complete State preference would increase EWA needs by about 150 kaf per year.