WELCOME!
Water Year 2007
CVPIA §3406(b)(2) and CALFED Environmental Water Account (EWA) Accounting

December 12, 2007
Agenda

• Introduction
• (b)(2) Process, Base Case Definition, Implementation
• CVP Operations with (b)(2) Actions
• (b)(2) Accounting
• (b)(2) Banking
• Questions
(b)(2) Process

• B2IT – (b)(2) Interagency Team
  – Members – USBR, USFWS, NOAA Fisheries, DWR and DFG
  – Met weekly or bi-weekly as needed to review CVP operations, produce forecasts of operations, review (b)(2) daily accounting and resolve issues at a technical level.

• Forecasts produced monthly with (b)(1) and (b)(2) action placeholders.

• Hypothetical daily operation created using actual hydrology.

• Daily accounting done by a comparison of the hypothetical base operations to actual operations (not including EWA or water augmentation tools). Both operations usually include water acquisition to keep them (b)(2) neutral.
Base Case Definition

- Upper Sacramento
  - COE Flood Control Requirements.
- Clear Creek
  - 1960 MOA with CDFG
- Trinity River
  - December 2000 Trinity ROD (453,000 AF)
- American River
  - “Modified D-893”
  - COE Flood Control Requirements with SAFCA enhancements.
- Stanislaus River
  - 1987 Instream Flow Agreement & D-1422
  - COE Flood Control Requirements.
- Delta
  - D-1485
  - 1986 COA
Implementation

• May 2003 DOI (b)(2) Decision.
• As clarified by December 2003 Interior Guidance Memo and January 2004 Appellate Court ruling.
• (b)(2) banked water layered on top of 2007 (b)(2) water use.
• Continued use of (b)(1) re-operation.
• Integration of EWA and (b)(2) operations.
CVPIA Section 3406 (b)(2) water

Technical basis:

• (b)(2) fish actions are based on real-time monitoring, AFRP documents, published literature, IEP and DFG reports.

• CVPIA’s mandate to double natural production of anadromous fish.

• CVPIA’s instructions to “…provide flows of suitable quality, quantity, and timing to protect all life stages of anadromous fish…”

• (b)(2) fish actions are monitored, evaluated, and modified based on the best science available.
B2 water
Primarily CVP controlled streams and Delta Actions.
CVP Operations
Clear Creek Operations

Daily Whiskeytown Release in CFS

Baseline (b)(2) and WQCP

Graph showing daily Whiskeytown Release in CFS from 10/1/06 to 9/1/07.
Sacramento River Operations

Daily Keswick Release in CFS

Baseline (b)(2) and WQCP Actual

10/1/06 11/1/06 12/1/06 1/1/07 2/1/07 3/1/07 4/1/07 5/1/07 6/1/07 7/1/07 8/1/07 9/1/07

Baseline | (b)(2) and WQCP | Actual
Stanislaus River Operations

Daily Goodwin Release in CFS

(b)(2) and WQCP
(b)(3) Baseline
CVP Delta Export Operations

Daily Tracy+CVPBanks Pumping in CFS

(b)(2) and WQCP Actual Baseline
(b)(2) Accounting
(b)(2) Calculation

- **Release Metric: Oct 1 – Sep 30**
  
  Daily increase in release with (b)(2) operations vs base operations. Re-operation between northern CVP reservoirs is excluded from the accounting.

- **Delta Metric: Oct 1 – Sep 30**
  
  Daily reduction in CVP exports with (b)(2) operations vs base operations. Re-operation between days at a facility with no foreseeable impacts is excluded.
(b)(2) Banking Program

- 195,000 acre-feet of carried over (b)(2) water from WY 2006 was stipulated to be banked in Shasta reservoir.

- The banked (b)(2) water is considered a discrete, physical volume of water in Shasta reservoir that will be used for fish actions and accounted for separately from the Water Year 2007 (b)(2) allocation.

- 115.5 taf of this banked water was used to support in-stream flows on the Sacramento River in WY 2007.

- The remainder of the banked water was returned to the project in Shasta Reservoir at the end of WY 2007.
## Water Year 2007 (b)(2) Accounting

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• Questions?