

DRAFT
DNCT Steering Committee
Meeting Notes
4/15/99
9:00-12:30

Attendees: Bruce Herbold, Matt Vandenberg, Mike Fris, Jim White, Peter Louie, David Fullerton, Art Hinojosa, Dave Forkel, Spreck Rosekrans, B.J. Miller, Jim Snow, Tom Cannon, Russ Brown, Dale Flowers

Agenda:

- i. Determine facilities, size, and distribution for Gaming Runs
- ii. Define base runs for DWRSIM
- iii. Select accounting methods
- iv. Decide how to play game.

Highlights

1. Defined facilities for gaming.
2. Decided to include in-Delta storage, if only as a surrogate for south of Delta storage.
3. Assume that south Delta pumping plants would have new screen facilities in Stage 1.
4. Decided to pursue gaming even if we can't agree on water supply benefits.
5. Decided on DWRSIM runs needed gaming.

A. Facilities, Size and Distribution for next Game

- Kern/Madera remaining issues: extraction rates and water quality problems.
- EWA will share Kern capacity and storage.
- Gravelly Ford delivers only to CVP with 200 TAF for projects and 100 for EWA.
- Madera delivers only to SWP.
- Semi-tropic is all EWA.
- MWD can use its abilities to help get transfers to ground water basins.
- EWA has lost ground water storage capacity but capacity has increased.
- Shasta storage increase limited to 50 TAF (boards only) - for EWA.
- EWA can still back water into Shasta for later allocation.
- Consider expansion of San Luis or Pacheco equivalent.

C: San Luis will be pulled down regardless of Santa Clara - we can't generate new water from San Luis if we lower Santa Clara intake in San Luis. DWRSIM has no dead storage for San Luis.

C: Constraints on Pacheco intake: water quality issues - 200 TAF usually maintained in reservoir for the unexpected. Pacheco can be enlarged. Minimum storage in DWRSIM is 80 TAF.

- Webb Tract capacities: 2000 cfs in and 2000 cfs out.
- Bacon-Woodward-Victoria: 200 TAF with 4000 cfs connector.
- Delta island storage will use Delta Wetlands project constraints, except not limited by export rules.

C: Some of these features are not covered by EIR/EIS.

C: We should consider options for relaxing Delta Wetlands rules if necessary for EWA. For example: no DW exports are allowed in April; agencies may decide to relax rules to put water in EWA.

C: Expanding Delta island storage would give us more options; it is a very useful tool.

C: Habitat losses on islands would have to be mitigated. DW could be a surrogate for this type of facility.

C: If problems associated with Delta islands are real then maybe we should drop them from our list of facilities.

C: We could use south of Delta storage instead.

C: But how can we prejudge their utility without considering them in the gaming.

C: We should explore other options.

Delta Wetland Storage:

Why should we leave in DW?

- this is a deficient resource already
- why drop something that is so valuable for our objectives
- there are more problems with our other options
- only way to get such facilities is to show their utility in gaming.
- we need every tool available to make this work.
- we will discover value and consequences in gaming - so lets discover.
- Saves water over existing land use (less evapotranspiration).
- CALFED has deferred other storage, this is all we have left to work with.
- DW is a minimal footprint. We should use the DW islands for fish purposes.
- DW islands should be integral component of CALFED storage option.
- OK as long as we look at other options in this category.
- OK as long as we learn how to use it wisely.

Why not?

- not in favor of adding more islands than the existing two.
- too many unknowns,
- more plumbing in the Delta isn't good
- would rather pursue water management options. R: we just got sued for VAMP controls.

We decided on 200 TAF for gaming for DW, but to toggle use as we need it.

- ▶ Islands would be exclusive for EWA.
- ▶ Four total intake/discharge pump arrays that can pump in or out at 1000 cfs each..
- ▶ Would have to have connector for Bacon to CCF.
- ▶ Assume new screens at CCF and Bacon, so no advantage to pump from islands.
- ▶ Most diversions would be at high flows to minimize impacts.
- ▶ Assume that we would have the equivalent of South Delta Stub with Bacon, Victoria, and Woodward islands connected via siphon to CCF.
- ▶ We would use similar rules as those for DW.
- ▶ We will watch out for any potential water quality problems.

Urban Efficiency

- We will use 75 TAF from urban efficiencies for EWA.
- We will take 75 TAF from reclamation for EWA.

Q: will water agencies give up water they have conserved? R: may be a temporary need for Stage 1 only. Bond Issues?

C: We could put this water toward Water Supply.

C: We don't need \$800/AF water for EWA. R: Though expensive, efficiency water has a high feasibility and visibility.

C: Could leave out.

Water Purchases (see Dave Fullerton's handout)

- Buy before April 1 at < \$60/AF.
- If price rises because of our demand we will simply buy less water.
- We should get a discount on wet year purchases.
- Options should be purchased at \$10/AF for 10 years.
- BJ will call Lance for a reality check.
- Will include demand shifting by MWD. Could displace 100 TAF of MWD demand in June.

South Delta Pumping Plant Screens

- Screens are in to cover both facilities.

Credit Approach

- Credits from relaxing and allowing JPOD and Expanded Banks. Relaxation of standards for water supply benefit would provide credits to credit card.

Tuesday Schedule

- Morning EWA gaming
- Afternoon Credit approach
- Env, WS, and WQ will all look out for their interests during gaming.

Discussion

C: There is not enough water supply benefit.

C: Hard to compare different alternatives since they have different baselines.

C: The Credit versus the EWA are really not that different - so why not have a common baseline.

R: Base runs in credit may have different tools and different purposes. Could see some distinct differences in different hydroperiods. Contractors would change their operations differently under the two approaches.

C: We are not just demonstrating feasibility, we're trying to show it works.

Q: Do we use EWA to mitigate for new project features? R: has to do more than mitigate.

Q: How do we get more water supply without exporting more from the Delta. If we can't redistribute exports, than we can't be a success.

C: Water supply needs are short with full AFRP and Trinity. We need 400 TAF new by end of Stage 1. R: Disagree that we need that much. Efficiency and Webb give WS over 200 TAF.
C: With credit approach we can trade debits.

C: Credit limits and basis should be set for Credit Approach.

C: We came here to show we can do things with EWA. It is not our role to decide how to balance EWA and WS; we are trying to do too much; we should try to accomplish what Alt 3 would provide.

R: This is the only forum where we can play out these differences and issues, even though it was not our original intent. We want to see if we can make it work for all.

C: Are charge is either to satisfy or explain why we can't.

C: We shouldn't start a game that won't meet Quinn/Spear criteria.

C: Exercise to get us to recovery of species.

C: 3D game play - 3 active players to where we are going.

C: Consequences of not gaming are too significant.

C: We need to play game to get smart.

C: We should not delay, but need to document issues and differences.

C: We could develop more water supply and relax more standards, but it is not up to us to balance or decide who gets what. Our job is to get the information needed to policy to make such decisions.

Define DWRSIM Runs

Q: how do we operate GW for projects?

- New Base for EWA Morning Run
 - ▶ Begin with base of 10.3 kcfs pumping capacity at south Delta pumping plants
 - ▶ E/I stays
 - ▶ Remove Shasta
 - ▶ 200 TAF Kern
 - ▶ 200 TAF Gravelly Ford
 - ▶ New groundwater extraction capacity
 - ▶ Connected DW

- Base for Credit Approach
 - ▶ Same as EWA +
 - ▶ 50TAF for Shasta
 - ▶ 100 TAF for Kern
 - ▶ 100 TAF for Gravelly Ford
 - ▶ E/I relaxed
 - ▶ Connected DW

- Other options
 - ▶ EWA run - E/I
 - ▶ EWA - E/I - In-Delta AFRP

▶ EWA - E/I - In-Delta AFRP + X2 relaxed after outflow falls below 20kcfs.

C: Unsure why we need these extra runs. R: to see effects of each factor and determine how to reshape X2, outflow, and exports.

C: Wary of relaxing standards. R: just want to see how things work; not suggesting relaxing standards.

• Agreed to make runs.

Q: why have more than one base run? R: New facilities in model, new pump and ground water will change how project will operate. Base will change.