

Notes of DNCT Gaming Meeting 5/4/99

I. Agenda

II. Evaluation of Gaming Exercise

- A. Comparisons to baseline and historical = Baselines change between games.
- B. Which tools are valuable to which players (WQ, WS, EWA)
- C. How do we divvy up assets?
- D. What are goals for each player?
- E. Recommendations to CMARP for effective EWA
- F. Presentation of the EWA Actions and their Benefits and Costs.
- G. Compare to Prescriptive Standards from Resource Agency Fall Game (EWA improvements over them)
- H. Accord Benefits (cake) + EWA (Icing)
- I. Upstream Benefits
- J. Scorecard includes export salvage
- K. Indirect Effects and Benefits
- L. Not all EWA actions captured in Daily Model output.
- M. WQ Evaluation – outflow and salinity analyses – how do prescriptive standards interact with WQ – where do benefits and impacts occur. Concentration times flow changes calculations.
- N. Water Supply – Demands, actions, targets, San Joaquin flows, cost curves. What did we do for water supply. Cake and Icing. Effects on deliveries. Are 200-400 TAF realistic targets/goals? How do we model demands (e.g., considering water entering the D-M Pool)? Operators will ID needs; what are we trying to accomplish.
- O. Why we have not gone any further than we have?

III. Game 4 Approach (Fullerton Handout)

A. Tools

1. 8500cfs Expanded Banks (from 6680cfs)

as ERP benefits come about (assume assurances issue is resolved in accord with South Delta Matrix) Corps is involved in changing cap. 10,300 pumping sharing formula

a) Steps –

- EIR supplement
- Corps permit – Section 10
- ESA/CESA Consultation

b) Concerns

- Water Stage = SDWA without barriers or dredging
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c) Benefits

d) MidDecember –Mid March Window up to 10,300 cfs when SJ is greater than 1000 cfs. Yield - 100TAF for average year, on 2 TAF in critical year.

e) Option to extend window before and after (through mid-April).

f) 8500 cfs pumping is a long term average

g) Screening criteria for higher exports

h) Expand capacity for using 8500 cfs with continued use of temporary barriers – June-September.

i) How to share expanded base

j) Action: base run by Thursday.

2. JPOD

a) Appropriate to include?????????

3. E/I Variances

a) Share extra water?

4. In-Delta AFRP Variances

5. Kern Water Semi-Tropic GW Banks

Concern about existing users especially for Kern Semitropic will be borrowed from Santa Clara. Define our access for game. Digging more wells.

6. Shasta Dam Free Board

May already be in baseline Extra two feet of boards may be 50TAF Full NEPA action.

7. Transfers – (Greg Young Handout)

Storage Groundwater/conjunctive use Following Conservation

8. Demand Shifting

9. Surplus Capacity

10. EWA Budget - \$40million

11. WQ Account??????

12. Operate system for SL Summer Lowpoint – projects could borrow EWA.

13. DWRSIM Baseline? Yes

B. Approach

1. Share capacity of expanded exports? Only when E/I is relaxed or excess capacity is available? Vary by month and year type? EWA could override prescriptive standards. EWA would not share expanded pumping under in-balanced conditions (must come from storage), but yes under surplus conditions under the following share formula:

Table 1. EWA Share under Surplus Conditions

	O	N	D	J	F	M	A	M	J	J	A	S
EWA	0	40	40	40	50	50	50	50	50	40	0	0
Users	100	60	60	60	50	50	50	50	50	60	100	100

2. Complexity

a) How accounting for JPOD and expanded exports is worked out.

3. Flexibility.

4. Goals?]

5. Include In-Delta AFRP

C. Initial Conditions and Intent

1. Could start process in 1999.
2. Raise with Q/S.
3. Purchases?
4. Half Full? How we get EWA half-full.
5. Worse case scenario – ground zero.
6. Leverage off of game 1.

IV. Future Gaming

V. Rules for Realistic Transfers

VI. EWA Test in 1999

VII. Q/S Meeting

VIII. Negotiating Points for the Real Game

A. Tools – use

B. Negotiating individual tools

C. Actions

D. Task for each to develop.

IX. Water Quality Discussion

A. “Continuous Improvement”

B. “Regional Exchanges”

C. Refocus from Delta to local WQ.

D. CUWA wants limits to loading in entire watershed.

E. Friant water is of high quality

X. Policy Wants

A. Essential Elements to make EWA work

1. Assets

2. Rules

B. Things requiring Policy decisions – what they have to do.

C. What we have learned since last Phase 2 Report.

D. What are negotiating points.

E. Guidance to CMARP

F. Conflicts – & what we did to resolve them.

XI. Model Runs

A. With In Delta AFRP

B. Without In Delta AFRP