Background Information for Attached Model Results

On January 12, Bill Snider (Cal-DFG), Mike Cooney (Cal-DWR/ESO), and John Sarna (Cal-DWR/CD) met to discuss what TROA model runs Bill would like to see. Our objective was to evaluate several alternative versions of TROA now under consideration by the California TROA Team. Toward that end, Bill asked for a set of exceedence curves representing seasonal instream flows.

The Truckee River Operations Model has since been run, per California's request, and output from the model is available. Also, per our request, the USBR has plotted this information as exceedence curves, which represent the bulk of this transmittal. We (California) can also provide the tables with simulated data including "month by month" instream flows, average values for instream flows, or raw data (if this would be useful).

The Attached Model Results include:

A. A table with data on the annual probability of instream flows exceeding the DFG minimums, for twelve different Y2K runs and two different '96 runs.

B. A set of exceedence curves representing instream flows in the Truckee River and its tributaries, for four different Y2K runs and two different '96 runs.

C. A table with data on annual reservoir storage for Truckee River Reservoirs, for twelve different Y2K runs.

D. A set of exceedence curves representing Truckee River Reservoir levels, for four different Y2K runs and two different '96 runs.

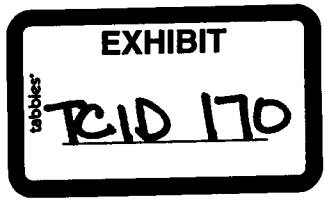
The Following Six Conditions are Represented in the Exceedence Curves:

1. Current (96) - represents the "Current Conditions" run, which served as a basis for the "Current Condition" analysis in the 3-98 TROA DEIS/EIR.
2. TROA (96) - represents the "TROA" run, which served as a basis for the analysis of the TROA Alternative in the 3-98 TROA DEIS/EIR.

3. Run 2a9 - This model run assumes that: 1) Credit Water can be stored adverse to any release, and 2) the SWRCB strictly interprets Reservoir storage rights for Truckee River Reservoirs.

4. Run 2b9 - This model run assumes that: 1) Credit Water can only be stored adverse to releases for Floriston Rates, and 2) the SWRCB strictly interprets Reservoir storage rights for Truckee River Reservoirs.

5. Run 2b92 - This model run assumes that: 1) WQCW & FTCW can be stored adverse to any releases while all other Credit Waters can only be stored adverse to releases for Floriston Rates, and 2) the SWRCB strictly interprets Reservoir storage rights for Truckee River Reservoirs.
6. Run 2b5r2- This model run assumes that: 1) WQCW & FTCW can be stored adverse to any



releases while all other Credit Waters can only be stored adverse to releases for Floriston Rates, and 2) the SWRCB loosely interprets Reservoir storage rights for Truckee River Reservoirs.

Only four of the twelve (Y2K) runs are described above. The other eight (Y2k) runs represent additional permutations of the above conditions.

Discussion of Model Runs.

The above runs 3-6 represent alternative versions of TROA which are now under consideration. The above runs 1-2 are only included to show what instream flows and reservoir levels were anticipated based on TROA negotiations in 1996 and before. This is because differences between the (Y2K) Runs 3-6 and the ('96) Runs 1-2 result from a variety of factors, including: 1) changes to TROA itself, 2) changes to OCAP (the operating criteria for the Newlands Project) which occurred independent of the TROA Negotiations, and 3) changes in assumptions of how TROA parties will release water for downstream users.

The above runs 3, 4 and 5 hold constant a decision which must later be confirmed by the SWRCB, whether or not to strictly interpret reservoir storage rights. The difference among these runs is what is currently being negotiated for TROA, i.e., how Credit Water can be stored. Run 5 is a middle ground between runs 3 and 4, and it (Run 5) embodies the current proposal for resolution of the Credit Water storage issue supported by other parties.

The above runs 5 and 6 hold constant the proposed agreement on how Credit Water is stored. The only difference between Runs 5 and 6 is whether the SWRCB will *strictly* or *loosely* interpret reservoir storage rights. Run 6 is the most likely alternative in that it embodies the proposal supported by the U.S., the Pyramid Lake Paiute Tribe, and Sierra Pacific Power Company. California has not yet expressed support for this, or any, TROA Alternative as the proposed action.