MEMBER UNITS EXHIBIT NUMBER 53

MINUTES

CITY OF LOMPOC - CACHUMA PROJECT AUTHORITY NEGOTIATIONS TECHNICAL COMMITTEES

October 22, 1993, 10:00 a.m..
Community Development Public Meeting Room, 630 Garden Street, Santa Barbara

Present: (See attached sign-in list.)

1. Introductions Steve Mack convened the meeting at 10:00 a.m. and introductions were made around the room.

2. Changes to the Agenda None.

3. Review and Approval of Procedures Mr. Mack summarized discussion regarding procedures that occurred at the September 24, 1993 "pre-initial" meeting of the Technical Committees. Dave Schuster distributed a marked up copy of Bob Pike's summary of procedures dated September 27, 1993. There was discussion as to whether there is one Technical Committee or two. It was agreed that the final version of the agreement established two Technical Committees and two Policy Committees, though the distinction is not significant. Mr. Keefe indicated that the Lompoc City Council would be addressing the issue of participation at Policy Committee meetings by the Santa Ynez River Water Conservation District (SYRWCD), i.e. the "parent District," at a meeting on October 26, 1993. He indicated that, until that time, he would not have a position on the issue.

4. Presentation and Discussion of City of Lompoc's Water Quantity and Quality Concerns Dave Schuster gave an introduction including background information on himself and on Tim Durbin, a consulting hydrologist hired by the City of Lompoc. Mr. Durbin distributed a handout containing a series of diagrams and graphs (Figures 1 through 56) which were copies of the transparencies he used in his presentation. He indicated that what he was presenting would be a preliminary analysis and that he would be happy to provide back-up material as desired. He began with a description of a model he had developed to analyze recharge in the Lompoc Valley. In response to a question from Mr. Mack, Mr. Durbin confirmed that the model is different from the Santa Ynez River Model. He said that his model currently includes percolation only, and not interaction with groundwater levels, and is therefore considered preliminary. There was discussion of the method used to re-construct one year's missing data and the methodology for deriving calculated run off for watersheds that are not gauged. Mr. Durbin concluded the first part of his presentation with his estimate that the average historical (1953-1991) recharge in the Lompoc Valley from the Narrows to Surf is approximately 14,000 acre feet per year (AFY). He noted that this is higher than other estimates, but in his opinion an accurate estimate.

   The next part of Mr. Durbin's presentation dealt with the quantity of Santa Ynez River flow and recharge with and without the effects of Lake Cachuma. It was noted during the discussion that it would be during the periods of intermediate flows that the differences

would be most apparent. There was discussion of the capabilities of the Santa Ynez River Model for use as an independent check on Mr. Durbin's model.

The final part of Mr. Durbin's presentation dealt with water quality issues and included a discussion of the methodology for estimating the effect of Cachuma reservoir on the quality of recharge water in the Lompoc Plain. He closed his presentation by summarizing the conclusions regarding the quantity and quality effects of Cachuma reservoir on the Lompoc Plain, based on data for the period of 1969 through 1985. During this period with Cachuma reservoir he estimates a recharge rate of 17,500 AFY, average Total Dissolved Solids (TDS) of 845 parts per million (ppm), and a salt load of 20,000 tons per year. Without Cachuma reservoir, he estimates a recharge rate of 20,800 AFY, average TDS of 625 ppm, and a salt load of 18,000 tons per year.

Following Mr. Durbin's presentation, there were a number of questions. In response to a question as to whether the model includes the effects of the Below Narrows Accounts, Mr. Durbin stated that the model is intended to approximate what actually happened, regardless of the accounting mechanisms. It was noted that the effect of State Water Resources Control Board's Decision No. 89-18 was not included in the conclusions that were reached. Mr. Shahroody questioned whether the effects of diversions to the South Coast were accurately represented in the model. Mr. Paul raised the question as to whether the average TDS of the reservoir accurately represents the TDS of the spill water. Mr. Durbin expressed willingness to do further analysis based on updated conditions, for example using data for the period of 1985 to present. The Santa Ynez River Model was discussed further, though it was noted that this model basically stops at the Narrows and does not include a percolation algorithm for the Lompoc Plain.

Mr. Paul stated his assumption that the City of Lompoc was to have presented a quantification of its water need. Mr. Mack inquired whether the 3,300 AFY difference in recharge that Mr. Durbin had calculated was the amount of water that Lompoc was requesting. Mr. Paul questioned who would be entitled to the 3,300 AFY. Mr. Schuster responded that it would be the whole Lompoc Valley, not just the City of Lompoc. Mr. Keefe stated that the 3,300 AFY represents the water that the City of Lompoc should have gotten, and that this should not be confused with supplemental water requirements of the City of Lompoc. It was acknowledged that it is not clear where the 3,300 AFY would be stored. Mr. Evans suggested that the upcoming update of Decision 89-18 might be a better place to address these concerns. Mr. Paul inquired as to whether it was the intent of Decision 89-18 to correct any quantity impacts, as opposed to quality impacts, of the Cachuma Project on the Lompoc Plain. Mr. Keefe said that he thought that was the case. Mr. Schuster stated that the City of Lompoc was looking for water to make-up for what he considers past shortages caused by the Cachuma Project.

Some time was spent discussing ways that Cachuma Project Authority (CPA) members could obtain further information so as to evaluate Mr. Durbin's model. It was noted that CPA member agencies would be obtaining consulting assistance from Bill Mills. It was agreed that a small group of technical people would meet further with Mr. Durbin to explore the details of his model. Mr. Mack agreed to set up this meeting. It was agreed to move the

date of the next meeting of the Technical Committees from November 8, 1993 to November 10, 1993 so that Mr. Shahroody could attend. There was discussion of whether the meeting of the Policy Committees should move as well. Mr. Mack agreed to coordinate the scheduling of the meetings.

5. Other Business None.

6. Public Comment None.

7. Confirmation of Next Meeting Date This matter was handled as a part of Item #4.

The meeting was adjourned at approximately 1:30 p.m.

[E:BFLCPATC.MIN]

City of Lompoc - Cachuma Project Authority Negotiations
Meeting of Technical Committees
Friday, October 22, 1993
Community Development Public Meeting Room
630 Garden Street, Santa Barbara

List of Attenders

Name	Agency
Steve Mack	City of Santa Barbara
Chuck Evans	Montecito Water District
Ali Shahroody	SYRWCD
GARY KEEFE	CITY OF LOMPOC
HOSSEIN MOAZAMI	city OF LOMPOC
TIM DURGIN	"
TOM PETERSEN	S.Y.R.W.C.D. ID#1
BILL FERGUSON	City of Santa Barbara
DAVE SCHUSTER	Lompoc
BOB DALE	GOLETA
Russell Ruiz	Hill & Sandford Goleta W.D.
Bob Pike	Santa Barbara City Attorney
Chip Wullbrandt	Price Postel & Parma, CCWD
Robert M. JONES	" " " MWD
ROBERT LIEBERKNECHT	CARPINTERIA C.W.D.
Scott Corey	SB News-Press
Richard Gross	Price Postel & Parma - MWD
DAVID Hirsch	City of Lompoc
DENIS MOONEY	De Cuir + Somach
Bill Luce	Bureau of Reclamation - Fresno
Robert Almy	S.B. Co. Water Agency
BOB ROEBUCK	CITY OF S.B.
Barry Hecht	Balance Hydrologics

[E:BFLCPATC.ATT]

* NOTICE OF PUBLIC MEETING *

City of Lompoc - Cachuma Project Authority Negotiations

Meeting of Technical Committees

Friday, October 22, 1993
10:00 a.m.
Community Development Public Meeting Room
630 Garden Street, Santa Barbara

AGENDA

1. Introductions

2. Changes to the Agenda

3. Review and Approval of Procedures

4. Presentation and Discussion of City of Lompoc's Water Quantity and Quality Concerns

5. Other Business

6. Public Comment

   Members of the public will have the opportunity to address the Technical Committees on any subject that is within the scope of the negotiation process.

7. Confirmation of Next Meeting Date:

   Monday, November 8, 1993 at 10:00 a.m.
   Lompoc City Council Chambers, 100 Civic Center Plaza, Lompoc

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