

MEMBER UNITS EXHIBIT NUMBER 54

MINUTES

CITY OF LOMPOC - CACHUMA PROJECT MEMBERS NEGOTIATIONS TECHNICAL COMMITTEES

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

Present: (See attached sign-in list.)

1. Changes to the Agenda None.
2. Approval of Minutes of October 22, 1993 Meeting The minutes were approved by consensus as submitted.
3. Presentation and Discussion of City of Lompoc's Water Quantity and Quality Concerns Gary Keefe began by presenting some background information on the City of Lompoc's water supply system and on the hydrology of the Lompoc Plain. He noted that the City's water treatment includes partial demineralization, to a level of 1,000 parts per million (ppm) of Total Dissolved Solids (TDS). In response to a question from Bob Paul, he noted that there are not currently any spreading grounds. He went on to say that there is a general degradation in the groundwater quality as one moves from east to west. Average pumping by the City of Lompoc is approximately 4,600 acre feet per year (AFY) with a peak of 5,650 AF in 1989. Mr. Keefe estimated total pumping of 23,000 to 25,000 AFY in the Lompoc Plain. He estimated that the City of Lompoc's net pumping, after including discharges from the wastewater treatment plant, is about 2,200 AFY.

Mr. Keefe turned the discussion over to David Schuster who noted that he understood that the City of Lompoc's request had not been made clear at the previous meeting. He said he would attempt to clarify the request. He noted that water quality is the issue that will drive the discussions. He attributed water quality impacts to evaporation at Cachuma that increases the concentration of dissolved solids, and to a higher percentage of low quality runoff from tributaries due to the maximization of yield at Cachuma. He displayed an overhead, distributed later in the meeting (Handout #1), showing a comparison of quantity and quality results with and without Cachuma Reservoir operations, based on Tim Durbin's model. Steve Mack noted that representatives of the Cachuma Project member agencies have not been able to see the model yet and suggested that discussion of the model should be held until all participants have access to it. He suggested that discussions should focus on what the City of Lompoc is asking for. Mr. Schuster responded that his presentation was aimed at answering that question.

Mr. Paul inquired whether the model was primarily the product of work done by USGS or by Mr. Durbin. Mr. Durbin responded that it was based primarily on his work. Mr. Schuster continued with his presentation by displaying an overhead, which was distributed later in the meeting (Handout #2). The overhead showed recharge without Cachuma operations as estimated by the Santa Ynez River Model and by Mr. Durbin's model. Also shown was the recharge estimated by Mr. Durbin's model for a case with "historic" Cachuma operations and the recharge

estimated by the Santa Ynez River Model for a case with "current" Cachuma operations. Mr. Schuster noted a good correlation between the two models. He then displayed an overhead graph entitled "Ground-Water System, Preliminary Analysis" (Handout #3) which showed his estimates of the difference in groundwater quality from the 1950's to the year 2030, with and without Cachuma operations. He stated that it was Lompoc's desire that the impact of Cachuma on groundwater quality in the Lompoc Plain be eliminated by releasing enough water from Cachuma to bring the top line on the graph (average TDS with Cachuma) back down to the bottom line (average TDS without Cachuma). His graph showed projections of the effect of releasing 6,000 AFY and 12,000 AFY as a way of accomplishing this. He also stated his belief that Decision 89-18 does not provide adequate recharge. He made reference to Reclamation law regarding requirements for Bureau facilities to mitigate impacts to downstream users.

Mr. Mack suggested that further discussion about the Mr. Durbin's model and the results of the model would not be productive until the model is available for inspection. He suggested that the Committees discuss the letter dated October 29, 1993 which he had sent to Mr. Keefe on behalf of the Cachuma Project member agencies. The group proceeded to discuss the letter as follows, referencing items by number as they appeared in the letter:

- #1. Mr. Mack asked whether the graph in Handout #3 is the quantification of the supplemental water supplies which the City of Lompoc believes it needs, and, if so, whether the concept is written down anywhere. Mr. Mack said that it seemed the City's request was to mitigate the historical impact of Cachuma and to improve on Decision 89-18. Mr. Paul asked why the proposed quality and quantity mitigation amounts seem to be additive. Mr. Durbin responded that the idea is to correct the current quality impacts as well as compensating for past quality impacts.
- #2. Mr. Mack acknowledged Mr. Schuster's earlier comments that the City does not believe Decision 89-18 provides adequate recharge.
- #3. Mr. Mack acknowledged that the City of Lompoc has indicated it will negotiate for water it believes it has lost in the past as well as for what it believes are present and future impacts.
- #4. Mr. Schuster indicated that the numbers used in the City's analysis represent the whole of the Lompoc Plain, though the City is only speaking for itself.
- #5. Mr. Schuster stated that he doesn't doubt the accuracy of the Santa Ynez River Model, though he has concerns about how it may address recharge below the Narrows.
- #6. Mr. Schuster stated that the City of Lompoc has been advised by its counsel not to release Mr. Durbin's model at this time due to pending litigation. He expressed a hope that this constraint could be resolved soon.
- #7. Mr. Schuster said that the 3,300 AFY figure presented on October 22, 1993 is a preliminary output of the model. He indicated that one solution may be 2,600 AFY (a refinement of the 3,300 AFY value) plus 6,000 AFY to bring the water quality of the basin up to the level needed.
- #8. Mr. Schuster indicated that the City would be flexible regarding methods of correcting water quality impacts that he believes exist.
- #9. Mr. Durbin indicated that the analysis he had done attempts to isolate the impact of the Cachuma Project and to request mitigation of that impact. He suggested that any impacts of agricultural operations would be separate and not at issue. Mr. Paul noted that the request as stated amounts to releases that, when valued at the current cost of new water supplies,

represent a cost of \$15 million per year forever. He added that he continues to be concerned about not having all information necessary to evaluate the City's request. Mr. Mack noted that background information about the graph in Handout #3 had not been provided for review. Mr. Durbin stated that they are trying to make the concept clear and that technical analysis is ongoing.

Mr. Mack presented a summary of a meeting held at Mr. Durbin's office in Davis, California on November 8, 1993. Linkage of Mr. Durbin's model with USGS models and with the Santa Ynez River Model were discussed. It was noted that the amount of percolation in the vicinity of the ocean is likely to be an issue. Mr. Paul asked whether recent USGS work assumed no recharge in this area. Mr. Durbin responded that this is true, but that the assumptions were used as historical assumptions rather on the basis of any particular information. He said that the basis for changing to an assumption of recharge in this area is the change in measured stream flows in this reach of the river. There was concern expressed about the quality of flow data because of relatively poor ratings on stream flow gauges in this area. Mr. Durbin responded that any modeling effort could be questioned on the basis of the quality of data that goes into the model, but that this should not prevent the use of models to approximate real conditions.

Ali Shahroody suggested that a neutral entity be used to undertake the modeling to provide an objective viewpoint and to eliminate legal concerns. Mr. Keefe responded that he believes it will soon be possible to work out the legal constraints on releasing the model. He was asked if he thought the model would be available before the next meeting and he said he thought it would. Mr. Mack requested a written statement describing the specifics of what the City of Lompoc is requesting. Mr. Keefe acknowledged the request.

4. Response by Cachuma Project Member Agencies No additional comments were made by Cachuma Project member agencies at this time.
5. Other Business There was discussion as to how the meeting of the Policy Committees would be handled. Mr. Evans asked whether the meeting would simply be an introduction of the subject matter, without a response from Cachuma Project members. Mr. Keefe responded that it was his opinion that both Policy Committees would prefer to have positions established for the two sides prior to the Policy Committee meeting. It was agreed to postpone the November 29, 1993 meeting of the Policy Committees. It was tentatively agreed to have the Policy Committees meeting on Monday, December 13, 1993, at 7:00 p.m. in Lompoc. It was agreed to change the Technical Committees meeting on November 29, 1993 from 2:00 p.m. back to 10:00 a.m., and to cancel the Technical Committee meeting previously scheduled for December 10, 1993.
6. Public Comment Mr. Wullbrant asked whether Mr. Somach would be contacting the attorneys for the Cachuma Project member agencies. Mr. Keefe said he thought that was the case.
7. Confirmation of Next Meeting Date This matter was handled as a part of Item #5.

The meeting was adjourned at 12:35 p.m.

City of Lompoc - Cachuma Project Authority Negotiations
Meeting of Technical Committees
Wednesday, November 10, 1993
Lompoc City Council Chambers
100 Civic Center Plaza, Lompoc

List of Attenders

| <u>Name</u> | <u>Agency</u> |
|----------------------|--------------------------------|
| BOPPA PAUL | GOLETA |
| CHUCK EVANS | Montecito WD |
| ROBERT LIEBERKNECHT | CARPINTERIA CWD |
| TOM PETERSEN | S.Y.R.W.C.D ID#1 |
| Tim Durbin | city of Lompoc |
| DAVE SCHUSTER | " " " |
| HASSEIN MOAZAMI | " " " |
| Steve Mack | City of Santa Barbara |
| ROBERT M. JONES | Montecito Water District |
| Chip Willbrand | Carpinteria CWD |
| Robert Almy | Santa Barbara Co. Water Agency |
| Russell Ruiz | Hill & Seadford Goleta W.D. |
| Scott Gray | Santa Barbara News Press |
| MICHELLE MCALEERHORN | Lompoc Record |
| DAVID HIRSCH | City of Lompoc |
| STEVEN A. AMERIKANER | SYRWCD |
| Jay Fisher | SYRWCD |
| RICHARD A. CROSS | Montecito Water Dist. |
| Bill FERGUSON | CITY OF SANTA BARBARA |
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*** NOTICE OF PUBLIC MEETING ***

City of Lompoc - Cachuma Project Authority Negotiations

Meeting of Technical Committees

Wednesday, November 10, 1993

10:00 a.m.

Lompoc City Council Chambers
100 Civic Center Plaza, Lompoc

AGENDA

1. Changes to the Agenda
2. Approval of Minutes of October 22, 1993 Meeting
3. Presentation and Discussion of City of Lompoc's Water Quantity and Quality Concerns
4. Response by Cachuma Project Member Agencies
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 Future Meeting Dates:

Next Meeting of Technical Committees:

Monday, November 29, 1993, 2:00 p.m.

Lompoc City Council Chambers, 100 Civic Center Plaza, Lompoc

First Meeting of Policy Committees:

Monday, November 29, 1993, 7:00 p.m.

Lompoc City Council Chambers, 100 Civic Center Plaza, Lompoc