

M E M O R A N D U M

TO : Mark Achen, City Manager
Bob Evers, Assistant City Manager ✓
Gordon Tiffany, County Administrator
ME

FROM: Mark Eckert, Assistant County Administrator

DATE: May 31, 1985

SUBJ: Recommendations Concerning 201 Update Study
Comments on Sewer Rate and I&I Studies

The following recommendations and comments are the result of several meetings between City and County staff, and staff from ARIX Engineering. The Arix staff is under contract to perform the Sewer Rate and 201 Update Studies required by the bond company and EPA respectively. Nichols and Associates performed the I&I Study as result of EPA comment.

- a) Sewer Rate Study - The study and model should be ready for use by 6/5/85. Arrangements will be made for the training of various City/County staff in its use. By agreement, during contract negotiations, ARIX had been directed to provide a model compatible to IBM using LOTUS 1-2-3 software. The model will pose no problem for use in the County. We are presently examining its compatibility to micro systems at the Persigo Plant and in the City's Utility Billing Office. We propose that the model would be held and updated via the Utility Billing Office staff of the City Finance Department.
- b) Nichols I&I Study - Our review suggests that the firm provided the service that was contracted. Final payment should be held until this observation can be verified by former Public Works Director, Jim Patterson, and a final meeting held with the contractor.
- c) 201 Update - Due to the declining population and economy, this study was reduced in scope and more focused. We would like to submit the existing report to EPA as soon as possible. The reduced scope resulted in reduced cost which allowed us to investigate the possibility of further study. The further study recommended would produce a computer model for use by City/County staff which would be used to keep virtual real time accounts of actual and potential treatment plant capacity. Due to the results of the I&I study noted above, (3 of every 8 gallons treated is a result of I&I) we believe it is essential to monitor and account for I&I impact on the existing facility. Further, we think that the origins (City, unincorporated County, sanitation districts) of the I&I and volume is such that it may, and perhaps should, be the basis for determining sewer capital improvements in the City and sanitation districts. At this time, we suggest the I&I situation will provide the structure for several policy issues including the role of storm water lines in the central valley and the way in

which sanitation districts are billed. Therefore, we recommend the following:

- 1) authorize this staff group to amend the existing contract so that ARIX may proceed with its modeling and monitoring study;
- 2) collect data based on the monitoring sites and equipment recommended in this study for a period of eighteen (18) months from January, 1986;
- 3) during this same period June 1985 to June 1987, undertake studies of the I&I situations in the sanitation districts served by the Persigo facility;
- 4) re-work the economic analysis present in the Nichols I&I Study so that present value cost/benefit analysis takes into account the benefits of subsystem mitigation of the I&I problem versus the cost of plant expansion. In the interim only worst case I&I situations would be remedied;
- 5) Report this approach to EPA.

These suggestions are made so as to avoid a loss of momentum in a public service vital to the central valley and in order to meet timeline commitments.

DRAFT

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