

5 West Side Park 9



PALMDALE WATER DISTRICT

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November 17, 1993

PALMDALE WATER DISTRICT
BOARD OF DIRECTORS
Palmdale, CA 93550

SUBJECT: WESTSIDE PARK AND ELDORADO MUTUAL WATER COMPANY

Gentlemen:

These two mutual water companies are in the service territory of Palmdale Water District, however, they have no pipeline connections to our facilities. At the present time, we serve them by delivering our State Project Water to AVEK which is treated and then delivered to them. Several problems have arisen. One of the problems is how to handle fire flows. These are sudden large flows at unscheduled times. The AVEK system cannot handle sudden changes due to the resulting pressure surges. The other problem is that AVEK has told them they will be cut off in the event of shortage.

The problem of fire flow requires the delivery of various amounts of water for various lengths of time in addition to the regular flows. These required flows are as follows:

Single Family Structure	1250 GPM 2 hrs =	150,000	gals.
Duplex	1500 GPM 2 hrs =	180,000	gals.
20,000 Sq. Ft. Structure	3500 GPM 3 hrs =	630,000	gals.
25,000 Sq. Ft. Structure	4000 GPM 4 hrs =	960,000	gals.
35,000 Sq. Ft. Structure	5000 GPM 5 hrs =	1,500,000	gals.

Mr. Harold M. Fones,
General Manager

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November 17, 1993

We may well expect the maximum flow requirement in future years when we look at some of the proposed developments in the area (see next page). There have been discussions of a church on 10th Street West that would require a high fire flow, and the area between 10th Street West and the Freeway is best suited for commercial development.

At this time, we face the need for a phased program with a low first cost. This would seem to indicate a pipeline capable of delivering 3500 GPM, and if the future required higher flows, we would build reservoirs for fire storage.

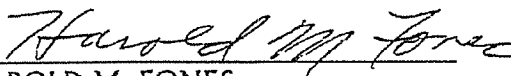
The other problem is what if AVEK cannot or will not deliver water? There are many possible causes and that would seem to indicate the desirability of not relying on State Project Water but to make use of the multiple resources that we have developed. The Palmdale Water District has Palmdale Lake, State Water Project, Wells, and Littlerock Dam. We are the best prepared water district in the valley. A pipeline to our facilities would be the best protection. A low cost alternative might be to develop a Mutual Aid Agreement with Los Angeles County Water Works District No. 40. They have the same need to provide fire protection at the Mall which is next door to the Mutual Water Companies. A Mutual Aid Agreement would be a long and expensive process.

At first glance, there appear to be three methods of paying for any improvements.

- 1) Benefit Assessments by the formation of an Assessment District.
- 2) Putting the necessary improvements in our Capital Improvement Program and collecting fees from new construction. This would be similar to the fees collected by AVEK.
- 3) Reaching a mutual agreement to acquire the Mutual Water Companies. The agreement would address payment for new facilities.

This report is for background information in the budget process.

Very truly yours,


HAROLD M. FONES,
General Manager
HMF/dtr
Enclosure