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February 29, 2000

ARIZONA CORPORATION COMMISSION  
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[Handwritten signature/initials in a box]

Richard L. Sallquist  
Sallquist & Drummond, P.C.  
Attorneys at Law  
2525 East Arizona Biltmore Circle  
Suite 117  
Phoenix, Arizona 85016-2129

Re: Vail Water Company Alternative WIFA Projects  
Docket Nos. W-01651B-99-0351 & W-0165B-99-0406

Dear Mr. Sallquist:

I have reviewed the memorandum prepared by Mark Taylor of WestLand Resources, Inc. (attached) which describes the alternative upgrade and augmentation projects for the \$819,000 financing request. The Company proposes that one or more of these projects be implemented in the event some of the original projects are funded by other sources. A summary of the projects submitted by Mr. Taylor are as follows:

- |    |   |          |
|----|---|----------|
| 1. | Chlorination Facility at Well No. 3   | \$31,000 |
| 2. | Telcmety Control System at Well No. 3, Well No. 2, Andrada<br>Booster Station, Shasta Booster Station, and Water Company<br>Master Base Unit. | \$73,000 |
| 3. | Backup Generator for Transfer Station Generators  | \$44,000 |
| 4. | 3380-Zone Transfer/Booster Station 20% Allocation   | \$54,800 |

Engineering Staff (Engineering) considers the proposed projects to be reasonable and acceptable as improvements that would benefit Vail Water Company customers. The analysis was based on the alternatives submitted by the Company. No other alternatives were analyzed by Engineering. The unit costs presented by Mr. Taylor appear to be reasonable.

Sincerely,  
*John A. Chelus*  
John A. Chelus  
Utilities Engineer

cc: Jane Rodda  
Sonn Ahlbrecht  
Robert Metli

0000-1000-1000

February 21, 2000

**DESIGN MEMORANDUM**

**TO:** Kip Volpe  
TEM Corp.

**FROM:** Mark Taylor

**CC:** Project File No. 228.01

**RE:** **VIII. WATER COMPANY PROPOSED ALTERNATIVE PROJECTS FOR ARIZONA DRINKING WATER REVOLVING FUND (WIFA)**

The four proposed alternative upgrade and augmentation projects are as follows:

**1. CHLORINATION FACILITY AT WELL NO. 3**

Due to previous water quality concerns, a chlorination system is proposed at the Well No. 3 site. An automatic-feed liquid chlorination facility with all the required controls and safety features will be built at the site.

The approximate construction cost is \$25,000, with a pre-construction cost of approximately \$6,000.

**2. TELEMETRY CONTROL SYSTEM AT WELL NO. 3, WELL NO. 2, ANDRADA BOOSTER STATION, SHASTA BOOSTER STATION, AND WATER COMPANY MASTER BASIN UNIT**

Due to the linear nature of the system, the disruption of any component of the system will interrupt water service to the South Service Area. A radio-controlled telemetry system will provide operational control of the system and instant notification of facility failures. This will provide the required operational control to move water throughout the system under peak day and peak hour conditions. In addition, this system will notify operators of system breakdowns and allow adequate time to repair breakdowns before the reservoir system is depleted. The telemetry system will consist of a radio-operated telemetry system with programmable logic controllers (PLCs) at each of the four sites. PLCs will monitor reservoir tank levels, system pressures, on/off pump status, and provide warnings for abnormal level pressures or malfunctioning pumps.

The estimated construction cost of the telemetry system is approximately \$60,000, with a pre-construction cost of approximately \$13,000.

**WestLand Resources, Inc.**  
Engineering and Environmental Consultants

