ATTACHMENT 9 - PROGRAM PREFERENCES

The following Statewide Priorities relate to the ALL three Projects in the Proposal:

Drought Preparedness

- *Promote water conservation*

- *Achieve long term reduction of water use*

Use and Reuse Water More Efficiently

- *Increase urban and agricultural water use efficiency measures such as conservation*

Climate Change Response Actions

- *Reduce Energy Consumption*

- *Use and reuse water more efficiently*

- *Reduce energy consumption of water systems and uses*

- *Water system energy efficiency*

Protect Surface Water and Groundwater Quality

- *Protecting and restoring secure water supplies for beneficial uses*

Ensure Equitable Distribution of Benefits

- *Develop multi-benefit projects with consideration of affected disadvantaged communities and vulnerable populations*

- *Contain projects that address safe drinking water and wastewater treatment needs of DACs*

- *Help meet State policies intended to provide access to safe, clean, and affordable water*

The Upper Pit River is the primary drainage in northeastern California. The river system drains portions of four counties – Modoc, Siskiyou, Lassen, and Shasta – and is fed by a watershed of nearly three million acres. Several groundwater basins provide not only domestic and agricultural supply, but recharge the watershed's spring-fed streams and geothermal resources. Hot, dry summers and cold winters prevail over a region typified by level mountain valleys surrounded by mountainous terrain. Four sub-watersheds – the Upper Pit River, Fall River, Hat Creek, and Burney Creek – are the major components of the surface water system.

The implementing agencies of Fall River Valley Community Services District (FRVCSD) serving Fall River Mills and McArthur, Burney Water District, and Lassen County Water Works #1 serving Bieber have come together to support three major projects to improve the integrity of the local water supply in four disadvantaged communities in the Upper Pit Watershed Region of Northern California. These projects also address more efficient use, improved water quality, cost-effectiveness, reduced O & M, energy and water conservation, and climate vulnerability.

Project A is a Joint Leak Detection and Repair Program involving the purchasing of leak detection equipment and repairing faulty equipment. The FRVCSD loses between 17% and 48% of the water pumped annually through leaks. Presently, FRVCSD must hire an independent contractor from Redding, CA (140 miles round-trip to the region) to assess leak detection in the system. Project A would enable the purchase of a single set of leak detection equipment and train all staff in the use of the equipment. Equipment purchased under this project will be jointly shared between the FRVCSD, BWD, and LCWW District #1. The equipment will be owned and maintained by the FRVCSD. An agreement will be developed between the three districts to share the equipment. Each of these entities will participate in training events and will develop an MOU for joint equipment maintenance and training. Sharing of the equipment allows the communities to focus funds on repair rather than purchases of duplicative equipment. The new leak detection equipment would pinpoint the leak, and avoid opening large sections of pipe to find even a small leak. Project A is estimated to produce a $12,000 annual savings to the regional water districts.

Project B is sponsored by the FRVCSD and involves the installation of a new water tank in the community of McArthur. Currently, the only production well for both towns of Fall River Mills and McArthur is located in McArthur, yet the only tanks in the system are in Fall River Mills. Therefore, to store and deliver water to McArthur, the water is first pumped form McArthur to the tanks in Fall River Mills and, when demanded by consumers, flows back to McArthur (six miles away). As the water travels, the water pressure drops dramatically unless the well is continuously pumped – even during peak hours. In addition, there is not significant water storage or water pressure for the community of McArthur to fight fires. The new water tank will have booster pumps, a generator and telemetry to provide sufficient water reserves to reach state standards. A reduction in electricity rates will occur due to the new tank system pumping water during off-peak hours only. The new system will supply enough water and water pressure to fight local fires. Part of this project involves both a newsletter and a web site update promoting water conservation. The requested funding is sufficient for two years of quarterly newsletter

Project C will refurbish the existing inadequate water tower serving Bieber in Lassen County in order to meet the demands of community needs and state standards. The present water tank is currently out of OSHA and the U.S. Department of Homeland Security compliance. The tank has significant deferred maintenance and will be beyond repair in a few years' time. Refurbishment of the tank, with proper maintenance, will enable another 30 years of use. Replacement of the water tank would be out financial reach of the community members. The

Bieber water tank is essential to the community as without it, there would be no reliable community water source.