



TUOLUMNE – STANISLAUS INTEGRATED REGIONAL WATER MANAGEMENT REGION

2015 IRWM IMPLEMENTATION GRANT PROPOSAL

ATTACHMENT 6 – PROGRAM PREFERENCES

Integrated Regional Water Management Program
Applicant: Tuolumne-Stanislaus Integrated Regional Water Management Authority

City of Angels: Water Treatment Plant Recycling Project (T-S IRWM Project No. 24)

The City of Angels Water Treatment Plant Recycling Project addresses the following IRWM Program Preferences:

The proposed project **addresses the critical water supply need of a Disadvantaged Community (DAC)** within the Tuolumne-Stanislaus IRWM Region. The project would improve the City's infrastructure through the installation of devices that would allow the recycling of backwash water from the water treatment plant. The increased water supply from the implementation of the proposed project would assure the continued reliability of a public water supply system that serves a DAC.

The City of Angels water treatment plant is located within Disadvantaged Community (DAC) Census Tract #06009000122 just outside the city limits. The plant serves the City which includes DAC Community Block Group #060090001212. This block group is described as having a population of 1,827, 876 households, and a median household income of \$29,412. The City has a population of approximately 3,441 making 53% of the City a DAC. The City of Angels, and the Disadvantaged Community Block Group that is a part of its service area, will benefit from increased water supply to its water treatment plant, which is especially beneficial during drought conditions.

The City's proposed project also **address two statewide priorities**. The first statewide priority that is addressed is the **use and reuse of water more efficiently**. The project is an opportunity to recycle lost backwash water increasing the water supply available to the water treatment plant. The **recycled water** produced from the completion of the proposed project will be reintroduced into the raw water intake of the plant to be treated again for consumptive purposes. The component of this project that affects **water supply reliability** is the simple recycling of backwash water that increases the efficient use of the incoming raw water, water is not wasted and it is used to make potable, consumable water.

The second statewide priority that is addressed by the proposed project is the **protection of surface water**. The project, when it is completed, will improve the water quality of Cherokee Creek which is a tributary of the Calaveras River. Currently, the water treatment plant's sedimentation, flocculation, and filtration devices are cleaned with potable or raw water and the resulting process water is disposed to an irrigation ditch adjacent to the water treatment plant. The backwash water presently contains organic materials and flocculation and sedimentation chemicals. The intent of this project is to filter the backwash water and to safely dispose of the resulting byproduct waste. The improved water quality from the project will **safe guard the public and environmental health** of Cherokee Creek, the Calaveras River, the San Joaquin River, and the Bay Delta.