

**2016 PROPOSITION 1 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM)
DISADVANTAGED COMMUNITY INVOLVEMENT GRANT
TULARE-KERN FUNDING AREA – NEEDS ASSESSMENT SCOPE
(Excerpts from DWR Agreement)**

The Proposition 1 Disadvantaged Community (DAC) Involvement Grant Program provides funding for one collaborative project between the seven IRWM Regions within the Tulare-Kern Funding Area. This work plan describes the work to be performed (including milestones and deliverables) by Tulare County ("Grantee") on behalf of the Tulare-Kern IRWM Funding Area.

The Tulare-Kern Funding Area is in the southern end of the San Joaquin Valley. It is bounded by the crest of the Sierra Nevada to the east, the crest of the Tehachapi Mountains to the south, and the crest of the Coast Range to the West. Previous studies within this funding area have identified approximately 353 DACs, of which 201 are severely disadvantaged.

The Tulare-Kern Disadvantaged Community Involvement (DACI) project consists of four Activities, including: Grant Administration, DAC Engagement and Education Program, Needs Assessment, and Project Development. This project will address the water-related needs of the Tulare-Kern Funding area which include: water supply, water quality, cost of water, community engagement.

ACTIVITY 3: NEEDS ASSESSMENT

Conduct a Needs Assessment to provide a better understanding of the water management needs of DACs in the Funding Area.

The results of the Needs Assessment will be used to help direct resources and funding for both the Project Development Activities and the DAC Engagement and Education Program activities. The Needs Assessment will include the following activities:

1. Update and expand the database developed in the Tulare Lake Basin Study
2. Review of data structure
3. Coordination with agencies such as the Department of Water Resources and the State Water Resource Control Board for data sharing
4. Develop a web portal for public access of the database reports and data mapping
 - a. Map showing DACs
 - b. Legend of Water Quality or Other Identified Issues
 - c. Accessible summary report for each DAC
 - d. Potential to link to the SWRCB Drinking Water Watch data portal
5. Make recommendations for methods to maintain and update the data

The database that has already been developed in the Tulare Lake Basin Study will be updated and expanded upon in accordance with the DAC Involvement Request for Proposal. The DAC Involvement Needs Assessment will include the following for all DACs identified in the funding area (as available):

1. Community Characteristics

- Community Name
 - County
 - IRWM Region
 - Population
 - Median Household Income
 - DAC/EDA/Underrepresented Community Classification
2. Drinking Water
 - Source(s) of Water
 - Estimated Number of Private Wells
 - Estimated Number of Public Wells
 - Water Supply Treatment
 - Water Quality Data for Constituents of Concern
 3. Wastewater
 - Type of Wastewater System (community system or individual on-site systems)
 - Wastewater System Issues or Insufficiencies
 - Capacity of Wastewater System
 4. Stormwater
 - Storm Water System Entity (if existing)
 - Storm Water /Urban Water Runoff/Flood Management Issues (if applicable)

Additionally, the Needs Assessment may include the information listed below for select communities, where additional site assessments and community reviews may be conducted. The PAC will prioritize and make recommendations as to which, if any, of these additional items shall be included in the Needs Assessment, within the budget allocated to Activity 3. This information may be requested as part of the applications for Project Development funding, and the DAC Engagement and Education Program may also provide surveys to communities to request this information.

- Maximum Day Demand of Water System
- Capacity of Wells
- Capacity of Surface Water Sources
- Depth to Water in Wells
- Water Rates / Rate Structure (metered or flat rate)
- Sewer Rates
- System Expenses and Revenues (i.e. Operation and Maintenance Costs) (water and wastewater)
- Affordability (i.e. above or below 1.5% of MHI affordability criteria)

The information described above will be collected in a database. Information from the database can be reported in tabular form, and it can also be presented on maps using

Geographic Information System (GIS) mapping tools. Mapping will be utilized to show locations of various water system issues that are identified in the Needs Assessment.

Deliverables:

- Updated Database of DACs in the Funding Area
- Web Portal that houses database
- Preliminary Needs Assessment
- Needs Assessment Summary Report