

## *ATTACHMENT 6. PROGRAM PREFERENCES*

The East Stanislaus 2015 IRWM Grant Application, as a whole, addresses several program preferences and statewide priorities as described in Section II.F of the 2015 IRWM Implementation Grant Program Guidelines and set forth in Public Resources Code (PRC) §75026.(b) and California Water Code (CWC) §10544. The two non-administrative projects included in this application address all of the aforementioned Program Preferences on a local, regional, or statewide scale in addition to the Human Right to Water Policy. For the purpose of this application, the following terms are used to define the breadth and magnitude to which each project addresses Program Preferences and the Human Right to Water Policy:

- Local: Project benefits are focused locally within the project area.
- Regional: Project benefits extend throughout the East Stanislaus IRWM Region (Region).
- Statewide: Project benefits are widespread and will benefit not only the Region but other areas throughout California.

	North Valley Regional Recycled Water Program	Area 2 Stormwater to Sanitary Sewer Cross Connection Removal Project	Degree of Certainty Preferences Will Be Addressed	Magnitude and Breadth to Which Preference will be Addressed
<b>Include Regional Projects or Programs</b>	✓	✓	High	Region
<b>Integrate Water Management</b>	✓	✓	High	Region
<b>Resolve Water-Related Conflicts</b>	✓	✓	High	Local, Region
<b>CALFED Bay-Delta Objectives</b>	✓		High	State
<b>Benefits to DACs</b>	✓	✓	High	Region
<b>Integrate with Land Use Planning</b>	✓	✓	High	Local, Region
<b>IRWM Plan to Reduce Delta Reliance</b>	✓		High	Local, Region, State
<b>Statewide Priorities</b>	✓		High	Local, Region
• Drought Preparedness	✓	✓		
• Use and Reuse Water More Efficiently	✓	✓		
• Climate Change Response Actions	✓	✓		
• Expand Environmental Stewardship	✓	✓		
• Practice Integrated Flood Management		✓		
• Protect Surface/Groundwater Quality		✓		
• Improve Tribal Water/Natural Resources <sup>2</sup>				
• Ensure Equitable Distribution of Benefits	✓	✓		
<b>Human Right to Water</b>		✓	High	Local, Region

**Notes:**

1. There are no federally- or state-recognized tribal communities within the East Stanislaus IRWM or Westside-San Joaquin IRWM Regions

## Project 1: Grant Administration (City of Modesto)

**Program Preferences Addressed by this Project:** This Project is purely administrative in nature and therefore will not address the Program Preferences and Statewide Priorities directly. This Project will, however, allow the two other projects in this application to receive funding by providing the grant administration support necessary to meet the Department of Water Resources (DWR) requirements for the 2015 Proposition 84 IRWM Implementation Grant Program.

## Project 2: North Valley Regional Recycled Water Program (City of Modesto)

**Program Preferences Addressed by this Project: Regional Program:** Meets the regional criteria defined by CWC §10537 by providing regional benefits through the coordinated management and use of recycled water with the goal of offsetting water pumped from the Delta and groundwater pumped for local irrigation. **Effectively Integrate Water Management Programs in a Hydrologic Region:** Integrates multiple Resource Management Strategies (RMS), including Water Recycling, Water Supply Reliability, Conveyance, and Matching Quality to Use. **Effectively Resolve Significant Water-Related Conflicts:** Augment CVP supplies with recycled water, contributing to the reduction of conflicts between growers, urban water users and the environment within the Westside-San Joaquin Region and outside the region in terms of competition for limited CVP resources statewide and local/regional groundwater resources. **Contribute to Attainment of One or More of the CALFED Bay-Delta Program Objectives:** Contributes to attainment of the CALFED Bay-Delta Program Water Supply Reliability Objective by increasing local water supplies and offsetting diversions from the Delta. **Address Critical Water Supply or Water Quality Needs of DACs:** The service area of DPWD is composed almost entirely of DACs. This Project provides critical water supply benefits to the DACs in the DPWD service area by providing recycled water to agricultural users dependent on growing crops for economic sustainability. **Effectively Integrate Water Management with Land Use Planning:** Provides recycled water to the DPWD growers, matching quality to use and supporting the agricultural communities identified in various General Plans in the Region. **Reduce Reliance on the Sacramento-San Joaquin Delta for Water Supply:** Located in both the East Stanislaus IRWM Region and the Westside-San Joaquin IRWM Region, reduces reliance on the Delta for water supply. Providing recycled water to DPWD for agricultural irrigation, this Project will augment CVP supplies and help reduce dependence on unreliable CVP supplies moving through the Delta. **Address Statewide Priorities:** Addresses several Statewide Priorities as follows: *Drought Preparedness*. Replaces Delta-derived water used for non-potable water demands with non-potable water supplies, providing a sustainable recycled water supply, maximizing local and regional supplies, and reducing dependence on CVP supplies. *Use and Reuse Water More Efficiently*. Ensures that water supplies in the Region are reused efficiently. *Climate Change Response Actions*. Expands recycled water use in the region, decreasing energy demand associated with an equivalent amount of raw water pumping and distribution, and addressing adaption to climate change impacts by providing additional water supply resiliency. *Expand Environmental Stewardship*. Addresses this Statewide Priority by supplying recycled water to USBR wildlife refuges south of the Delta, helping to enhance habitat and wildlife management. *Ensure Equitable Distribution of Benefits*. Addresses water supply reliability for the DACs in the DPWD service area. Recycled water will help prevent crop loss and damage which affects the already burdened economy in the service area, helping to ensure equitable distribution of benefits.

**Certainty of Preferences Being Met:** Addresses these program preferences with a HIGH degree of certainty. The NVRWP has already completed planning and environmental documentation, and design of the Project is underway. The Project is not dependent on any other project and key regulatory or institutional obstacles that would prevent the benefits from being realized have been identified and addressed.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability, the Project provides LOCAL water supply to the DPWD service area. By providing valuable recycled water for use in place of Delta and/or groundwater supplies, the Project provides REGIONAL benefits; and by reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project provides STATEWIDE benefits.

## Project 3: Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project (City of Modesto)

**Program Preferences Addressed by this Project: Regional Project:** Meets the regional criteria defined by CWC §10537 by providing regional benefits by capturing and percolating stormwater runoff into the Modesto Subbasin of the San Joaquin Valley Groundwater Basin, helping to sustain groundwater supplies in the basin as a whole. **Effectively Integrate Water Management Programs in a Hydrologic Region:** Integrates the following RMS: Water Supply Reliability, Flood Risk Management, Conjunctive Management & Groundwater Storage, Land Use Planning and Management, Pollution Prevention, Urban Runoff Management and Watershed Management. **Effectively Resolve Significant Water-Related Conflicts:** Augments groundwater supplies, helping to maintain basin sustainability and reducing conflict between groundwater pumpers in the basin. **Address Critical Water Supply or Water Quality Needs of DACs:** Provides for stormwater capture and recharge in the Roosevelt Park area, a DAC area of the City of Modesto. This, in turn, will supplement groundwater supplies in an area where groundwater is extracted for use as a potable supply. **Effectively Integrate Water Management with Land Use Planning:** Integrates stormwater capture and groundwater recharge with local land use such as medians, planters and parks. **Address Statewide Priorities:** Addresses several Statewide Priorities described as follows: Drought Preparedness. Capture and infiltrate stormwater runoff to augment local groundwater supplies, thus providing a recurring recharge source to the groundwater basin and promoting long-term groundwater basin management and sustainability. Use and Reuse Water More Efficiently. Ensures that water supplies (including stormwater runoff) in the Region are used and reused efficiently. Climate Change Response Actions. Provides climate change response actions by capturing and using stormwater runoff to augment groundwater supplies (which, in turn, raises groundwater levels), reducing the associated pumping energy use, avoiding related greenhouse gas emissions, and reducing localized flooding from flashy storm events. Expand Environmental Stewardship. Addresses this Statewide Priority by providing for stormwater runoff treatment via bioretention and soil aquifer treatment prior to percolation into the groundwater basin. Practice Integrated Flood Management: Exemplifies this Statewide Priority by integrating flood management with water resource management and water quality protection. Protect Surface/Groundwater Quality. Addresses this priority by capturing and percolating stormwater runoff into the underlying groundwater basin via bioretention features and methods that incorporate soil aquifer treatment to protect water quality impacts via naturally-occurring filtration processes. Ensure Equitable Distribution of Benefits. Provides for stormwater capture and recharge in the Roosevelt Park area, a DAC area of the City of Modesto. This, in turn, will supplement groundwater supplies in an area where groundwater is extracted for use as a potable supply.

**Certainty of Preferences Being Met:** Addresses these program preferences with a HIGH degree of certainty. Phase 1 of this Project has been shown to be successful, and therefore the second phase should be equally so. Additionally, the Project is not dependent on any other project and there are no known key regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing groundwater recharge and flood management, the Project provides LOCAL water supply and flood damage reduction to the City of Modesto. By providing developing a project that captures and infiltrates stormwater runoff into the underlying groundwater basin, the Project provides REGIONAL benefits.

## Human Right to Water Policy

The Human Right to Water Policy (AB 685 (2012)/CWC § 106.3) states that every human being has the right to clean, affordable, and accessible water for human consumption, cooking, and sanitary purposes. As a region, the East Stanislaus IRWM Region has a water supply goal of *protecting existing water supplies and improving regional water supply reliability* and a water quality goal of *protecting and improving water quality for beneficial uses consistent with regional interests and the RWQCB Basin Plan*. In working towards achieving these goals, the East Stanislaus Region is continually striving to fulfill the mission of the Human Right to Water Policy. The two non-administrative projects contained in the application both promote the sustainable use of groundwater by either directly recharging the groundwater basin with stormwater or by providing an alternative, new water supply for use. By protecting the sustainability of groundwater resources, the projects indirectly fulfill the Human Right to Water Policy by protecting the primary resource for many regional entities that are dependent on groundwater as their sole potable water supply.