

## Attachment

## 6

## Greater Los Angeles County Region

### *IRWM Implementation Grant Proposal*

### *Program Preferences*

**Attachment 6: Program Preferences** discusses how this Proposal addresses the program preferences outlined in Section II.F of the 2015 Integrated Regional Water Management (IRWM) Guidelines. Specifically, it describes for the Greater Los Angeles County (GLAC) Region (Region): (1) the specific Program Preferences that are met by each of the projects, (2) the certainty that the Proposal projects will meet the Program Preferences, and (3) the breadth and magnitude to which the Program Preferences will be met, 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, Statewide Priorities, and the Human Right to Water Policy: **Local:** Project benefits are focused locally within the project area; **Regional:** Project benefits extend throughout the GLAC IRWM Region; and **Statewide:** Project benefits are widespread and will benefit the Region and other areas throughout California.

A discussion of how this proposal addresses the Human Right to Water Policy is provided in the first section below. The **Program Preferences Addressed by Project Table** summarizes the Program Preferences and Statewide Priorities met by each of the projects followed by a narrative on how each project addresses the program preferences.

#### **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. The Region is continually striving to improve water supply reliability, sustainability and quality for human use by developing and implementing projects that fulfill the mission of the Human Right to Water Policy. Several projects in the proposal address the Human Right to Water Policy by increasing the availability and/or sustainability of clean, safe drinking water supplies. Many are also disadvantaged community (DAC) projects that help to increase access to and sustainability of clean and affordable water supplies for those most at risk in the Region. As examples, the proposal has municipal supply drinking water quality improvement projects like the **Centralized Groundwater Treatment System Project** and the **Nitrate Removal Treatment Facility at Well 2 Project** that will improve the quality of potable groundwater supplies. In addition, water conservation projects such as the **Water LA Neighborhoods Retrofit Project** and the **Southeast Water Efficiency Program** work with DAC residents to install potable water conservation devices, landscaping and conduct repairs to reduce potable water needs thereby increasing water supply reliability and affordability for themselves and their community.

#### **Program Preferences Achieved by this Proposal**

Collectively, the projects included in this Proposal meet all of the Program Preferences identified in the 2015 IRWM Guidelines. There is a high degree of certainty that the Proposal will include Regional Projects, resolve significant water-related conflicts, contribute to the attainment of CALFED Bay-Delta Program objectives, and address Statewide Priorities at the local, regional, and statewide levels. There is also a high degree of certainty that the Proposal will meet the other Program Preferences at the local and regional levels.

The projects included in this proposal are: Franklin D. Roosevelt Park Regional Best Management Practices Project (Roosevelt), Advanced Water Meter Replacement Project (AMR), Gateway Cities Regional Recycled Water System Expansion Project (Gateway RW), Paramount Boulevard Turf Replacement Project (Gateway Turf), Las Virgenes Creek Restoration Project – Phase II (LV Creek), Calleguas – Las Virgenes Municipal Water Districts Interconnection Project (LV Intertie), Comprehensive Water Conservation Project (Conservation), Urban Streams Restoration in the Malibu Creek Watershed (Malibu Creek), Inglewood Well No. 7 Project (Inglewood), Recycled Water Supply for Palos Verdes Golf Course (Palos Verdes), North Torrance Well Field Project, Phase III (Torrance), Upper Los Angeles River Big Tujunga Restoration and Arundo Eradication Project (Arundo), Nitrate Removal Treatment Facility at Well 2 Project (Crescenta), Hoover, Toll, & Keppel School Recycled Water Project (Hoover RW), Lopez Spreading Grounds Improvement Project (Lopez), Big Dalton Spreading Grounds Improvement Project (Big Dalton), Live Oak Well VOC Treatment Facility Project (Live Oak), Centralized Groundwater Treatment System Project (Monterey), Southeast Water Efficiency Program Project (Southeast WE), and Water LA Neighborhood Retrofits Project (Water LA).

Table 6-1 lists each project and identifies which Program Preferences are met.

Program Preferences Addressed by Project

Project	Program Preferences								
	Includes Regional Projects or Programs	Integrates Projects within Hydrological Region	Resolves Significant Water-Related Conflicts	Contributes to Attainment of CALFED objectives	Addresses Critical Water Supply or Quality Needs of DAC	Integrates Water Management with Land Use Planning	Part of an IRWM Plan that helps reduce Delta reliance	Addresses Statewide Priorities	Meets Goals of Human Right to Water Policy
Roosevelt	✓	✓	✓	✓	✓	✓	✓	✓	✓
AMR	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gateway RW	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gateway Turf	✓	✓	✓	✓		✓	✓	✓	✓
LV Creek	✓	✓				✓	✓	✓	
LV Intertie	✓	✓	✓	✓		✓	✓	✓	✓
Conservation	✓	✓	✓	✓		✓	✓	✓	✓
Malibu Creek	✓	✓				✓	✓	✓	
Inglewood	✓	✓	✓	✓	✓	✓	✓	✓	✓
Palos Verdes	✓	✓	✓	✓		✓	✓	✓	✓
Torrance	✓	✓	✓	✓		✓	✓	✓	✓
Arundo	✓	✓	✓	✓	✓	✓	✓	✓	
Crescenta	✓	✓	✓	✓		✓	✓	✓	✓
Hoover RW	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lopez	✓	✓	✓	✓	✓	✓	✓	✓	✓
Big Dalton	✓	✓	✓	✓		✓	✓	✓	✓
Live Oak	✓	✓	✓	✓		✓	✓	✓	✓
Monterey	✓	✓	✓	✓	✓	✓	✓	✓	✓
Southeast WE	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water LA	✓	✓	✓	✓	✓	✓	✓	✓	✓
PROPOSAL	✓	✓	✓	✓	✓	✓	✓	✓	✓
Certainty	High	High	High	High	High	High	High	High	High
Breadth and Magnitude	Local, Regional and Statewide	Local, Regional	Local, Regional and Statewide	Local, Regional and Statewide	Local, Regional	Local, Regional	Local, Regional and Statewide	Local, Regional and Statewide	Local, Regional

**Project 1: Franklin D. Roosevelt Park Regional Best Management Practices (BMP) Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the use of groundwater storage and conjunctive water management and stormwater management. The Project also improves water quality through water pollution prevention by capture and infiltration of stormwater and urban runoff. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to improve surface water quality and increase local water supply through stormwater capture. This Project integrates with other BMP projects identified in the Enhanced Watershed Management Program (EWMP) for the Los Angeles River Watershed that will capture stormwater runoff to reduce pollutant loading to the Los Angeles River. **Resolves Significant Water-Related Conflicts:** The Project increases groundwater supply in the Central Groundwater Basin (Basin) which reduces stress on pumpers of the Basin and offsets demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water through increasing local groundwater recharge and use. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will directly benefit DACs around the Los Angeles River as it will improve water quality in the river (see Attachment 7). **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by improving current land use at a public park while also improving water quality and water supply benefits through implementing stormwater and urban runoff capture and infiltration facilities as well as educational features. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: *Drought Preparedness.* The Project will promote conjunctive use and efficient groundwater basin management through stormwater and urban runoff capture and recharge to the groundwater basin. *Use and Reuse Water More Efficiently.* The Project will capture and treat stormwater and urban runoff using infiltration basins under Franklin D. Roosevelt Park and the installation of a catch basin. *Climate Change Response Actions.* The Project will address climate change issues by increasing local groundwater supply through stormwater and urban runoff capture and infiltration, which will help offset the use of energy-intensive imported water supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Practice Integrated Flood Management.* The Project practices integrated flood management by reducing stormwater flows to local water bodies while improving water quality. *Protect Surface and Groundwater Quality.* The Project protects surface water through capturing and infiltrating stormwater and urban runoff that pollutes downstream water bodies. *Ensure Equitable Distribution of Benefits.* The Project will ensure equitable distribution of benefits by having a stormwater and urban runoff capture project in a DAC to provide increased water supply through surface water quality improvement measures and water-related educational outreach to the surrounding DACs. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced potable supply, thus increasing access to clean, affordable, and accessible water for potable uses.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The Project is highly supported by stakeholders and listed as a top priority project in the EWMP for the watershed. The design and benefits of the Project are well documented through the EWMP process that involved technical experts and stakeholders. Additionally, there are no regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water quality benefits to the Project drainage area, downstream Compton Creek, and even larger Los Angeles River, this project provides both **LOCAL** and **REGIONAL** benefits. Additionally, the Project provides **REGIONAL** benefits by increasing groundwater recharge to the Central Groundwater Basin that provides supply to cities throughout the County. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project provides **STATEWIDE** benefits.

**Project 2: Advanced Water Meter Replacement Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the replacement of water meters with Advanced Meter Reading (AMR) units and the associated water savings that will occur as a result of repairing the identified leaks. The Project also helps to mitigate against climate change vulnerabilities by offsetting energy-intensive imported water supplies and the associated greenhouse gas emissions. **Integrates Projects within a Hydrological Region:** The Project integrates with other Gateway Water Management Authority's (GWMA) projects included in this application to conserve water like the Paramount Boulevard Turf Replacement Project and Southeast Water Efficiency Program Project as well as increase recycled water use through the Regional Recycled Water System Expansion Project. These integrated projects within an area of GLAC Region with a high proportion of DACs and help to meet the IRWM objectives to conserve water resources and reduce the Region's reliance on imported water. This Project also integrates with current ongoing conservation projects in Lower San Gabriel and Lower Los Angeles Rivers Sub-region, specifically within the region, as well as other conservation projects in this application. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will provide benefits to the DAC-designated areas within GWMA's area by implementing an efficient way to reduce water usage that will help to offset water bill costs (see Attachment 7). **Integrates Water Management with Land Use Planning:** The Project effectively integrates water management with land use planning by improving the efficient use of water to irrigate and thereby preserve urban landscapes. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** Drought Preparedness. By implementing AMR units and repairing identified leaks, the Project will make additional local surface water supplies available, decreasing impacts associated with imported water shortages. Use and Reuse Water More Efficiently. The Project will provide a more efficient use of local surface water supplies by identifying and repairing current leaks in the water system. Climate Change Response Actions. The Project will reduce energy consumption by removing the demand for energy-intensive imported water supplies. These measures will reduce overall greenhouse gas emissions. Expand Environmental Stewardship. By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. Ensure Equitable Distribution of Benefits: The Project will ensure equitable distribution of benefits by implementing AMR units in DAC-designated areas to provide water savings; these supplies support access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project conserves a local surface water supply, thus preserving clean, affordable, and accessible water for potable uses in the service areas of the 12 GWMA participating agencies.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. Conservation programs of this type have historically been effective in the GWMA sub-region. This Project is not dependent on any other project and does not contain any known regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By conserving imported water supply and decreasing overall costs to meet equivalent needs, the Project provides **LOCAL** benefits to the Region. By decreasing the demand on supplies that are distributed throughout the area, the Project provides **REGIONAL** benefits by increasing supply reliability. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project also provides **STATEWIDE** benefits.

**Project 3: Gateway Cities Regional Recycled Water System Expansion Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the use of recycled water for irrigation purposes and associated water quality improvements. **Integrates Projects within a Hydrological Region:** The Project integrates

with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other recycled water projects included in this application, such as the Las Virgenes – Calleguas Municipal Water Districts Interconnection; the Hoover, Toll, & Keppel School Recycled Water Project; and the Recycled Water Supply for Palos Verdes Golf Course Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population currently depends on. Also, the SWRCB Recycled Water Policy has mandated an increase in the use of recycled water by 2030. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will directly benefit Disadvantaged Communities (DACs) within the Gateway Cities as it will expand access to recycled water for landscape irrigation in parks and schools (see Attachment 7). **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by diverting water from waste streams for reuse. The project will promote compact and sustainable urban development by improving current land use in public spaces using existing water resources. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: *Drought Preparedness.* The Project will make additional locally-produced, drought-resistant recycled water supplies available for non-potable uses, decreasing impacts associated with imported water shortages. *Use and Reuse Water More Efficiently.* The Project will provide a consistent, drought-proof source of high quality water to offset potable demands by providing recycled water for non-potable uses. *Climate Change Response Actions.* The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local recycled water supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Ensure Equitable Distribution of Benefits:* The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. The Project area encompasses 100% DACs. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced supply that will be used for irrigation in a DAC, thus preserving clean, affordable, and accessible water for potable uses in the Gateway Cities' service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. Recycled water use for non-potable purposes has over 60 years of success in the Region, with well-documented benefits. In addition, the recycled water pipeline extensions are not dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for non-potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout CBMWD's relatively large recycled water system, 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 4: Paramount Boulevard Turf Replacement Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the replacement of turf with water-efficient and drought-tolerant landscape and installation of a water-efficient irrigation system and biofiltration swales. The Project also improves water quality by reducing zinc concentrations in stormwater runoff. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to conserve water resources and improve water quality. This Project integrates with current ongoing conservation projects in the Lower San Gabriel and Lower Los Angeles Rivers Sub-region, specifically within

the Gateway Water Management Authority's (GWMA) region, as well as other conservation projects in this application. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Integrates Water Management with Land Use Planning:** The Project modifies critical urban land use features (like medians) to integrate features that also provide water resources benefits. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** Drought Preparedness. The Project will make additional water supplies available by conserving water, which decreases the impacts associated with imported water shortages, as well as providing efficient groundwater management through stormwater runoff capture and recharge to the groundwater basin. Use and Reuse Water More Efficiently. The Project will provide a more efficient use of local surface water supplies by installing a water-efficient irrigation system that will utilize less potable water, as well as through the replacement of turf with drought-tolerant landscaping. Climate Change Response Actions. The Project will reduce energy consumption by removing the demand for energy-intensive imported water supplies. These measures will reduce overall greenhouse gas emissions. Expand Environmental Stewardship. By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. **Addresses Human Right to Water:** This Project conserves a local surface water supply, thus preserving clean, affordable, and accessible water for potable uses in the City of Lakewood's area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. With the current state of the drought, it was mandated by the State to decrease irrigation demands through the use of drought-tolerant landscape and efficient irrigation systems. This Project will lead the way in the conversion of medians throughout the City of Lakewood. This Project is not dependent on any other project and does not contain any known regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By conserving imported water supply and providing local water quality benefits to the Lower San Gabriel and Lower Los Angeles Rivers, the Project provides **LOCAL** benefits and **REGIONAL** benefits. Additionally, by decreasing the demand on supplies that are distributed throughout the area, the Project provides **REGIONAL** benefits. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project also provides **STATEWIDE** benefits.

### **Project 5: Las Virgenes Creek Restoration Project – Phase II**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by improving resource stewardship through ecosystem restoration, fishery restoration, fish passage improvement and watershed management within riparian areas of Las Virgenes Creek. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives of enhancing habitat, enhancing open space and recreation, reducing flood risk, and improving surface water quality. This Project also integrates with other habitat restoration projects included in this application, such as the Upper Los Angeles River Big Tujunga Restoration and Arundo Eradication Project and the Urban Streams Restoration in the Malibu Creek Watershed Project. **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by combining stream restoration, habitat, and open space land uses. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update, which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** Expand Environmental Stewardship. This Project promotes, improves, and expands environmental stewardship to protect and enhance the environment by improving instream functions and sustaining water and flood management ecosystems.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The success of habitat restoration and species protection projects has been demonstrated in areas near the Project area by the Las Virgenes Creek Restoration Project – Phase I, Dry Canyon Creek Project, and Cold Creek Project. In

addition, neither the habitat restoration nor the species protection portion of the Project is dependent on any other projects to provide the benefits, with the exception that Rindge Dam must be removed to realize the species protection benefit for Steelhead trout (one of seven species benefitted). Removal of the dam is scheduled for 2022 by the U.S. Army Corps of Engineers. This Project builds off of the benefits provided by the Las Virgenes Creek Restoration Phase I Project (partially funded by Proposition 50) and supports other habitat restoration projects planned further downstream. There are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

***Breadth and Magnitude of Preferences and Priorities Being Met:*** By restoring native habitat and species to the Project area in Las Virgenes Creek, the Project provides **LOCAL** benefits. By improving fish passage and flood management ecosystem in the Las Virgenes Creek watershed, the Project provides **REGIONAL** benefits.

### **Project 6: Calleguas – Las Virgenes Municipal Water Districts Interconnection Project**

***Program Preferences Addressed by this Project: Regional Project:*** This Project meets the regional criteria as defined by CWC §10537 by improving operational efficiency and water supply reliability and increasing water supply through the use of water recycling. The Project also helps to mitigate against climate change vulnerabilities by offsetting energy-intensive imported water supplies and the associated greenhouse gas emissions. ***Integrates Projects within a Hydrological Region:*** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other recycled water projects included in this application, such as the Recycled Water Supply for Palos Verdes Golf Course Project; the Gateway Cities Regional Recycled Water System Expansion; and the Hoover, Toll, and Keppel School Recycled Water Project. ***Resolves Significant Water-Related Conflicts:*** The Project effectively resolves significant water-related conflicts between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population depends on. Also, the SWRCB Recycled Water Policy has mandated an increase in the use of recycled water by 2030. ***Contributes to Attainment of one or more CALFED objectives:*** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. ***Integrates Water Management with Land Use Planning:*** This Project integrates water management with land use planning by diverting water from waste streams for reuse. The project will promote compact and sustainable urban development by improving current land use in public spaces using existing water resources. ***Is Part of an IRWM Plan that helps reduce Delta reliance:*** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and Delta. ***Statewide Priorities:*** This Project addresses several Statewide Priorities described as follows: *Drought Preparedness.* The Project will increase reliability during imported water outages, optimizing storage, and increase the use of recycled water, decreasing impacts associated with imported water shortages. *Use and Reuse Water More Efficiently.* The Project will provide a consistent, drought-proof source of water to offset potable demands by providing recycled water for non-potable uses. *Climate Change Response Actions.* The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local recycled supplies, reducing overall greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Ensure Equitable Distribution of Benefits:* The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. ***Addresses Human Right to Water:*** This Project increases the availability of potable drinking water supplies, thus preserving clean, affordable, and accessible water for potable uses in the LVMWD and CMWD service areas.

***Certainty of Preferences Being Met:*** The Project addresses these preferences with a **HIGH** degree of certainty. The intertie will provide flexibility through an alternative water delivery, enabling increased storage. Recycled water use for non-potable purposes has over 60 years of success in the Region, with well-documented benefits. In addition, neither portion of the Project is dependent on any other projects to provide the benefits (assuming the CMWD portions are implemented, as specified in the *Agreement between Las Virgenes Municipal Water District and Calleguas Municipal Water District for Interconnections Between Their Potable Water Systems*). For the end uses proposed, there are no known regulatory obstacles that would prevent the benefits from being realized.

***Breadth and Magnitude of Preferences and Priorities Being Met:*** By providing water supply reliability and increasing recycled water use within LVMWD's relatively large recycled water system, the Project provides **LOCAL** and **REGIONAL** benefits. The new intertie pipeline between two IRWM regions provides **INTERREGIONAL** benefits. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project provides **STATEWIDE** benefits.

### **Project 7: Comprehensive Water Conservation Project**

***Program Preferences Addressed by this Project: Regional Project:*** This Project meets the regional criteria as defined by CWC §10537, by saving water supply through various conservation measures and helping to mitigate against climate change vulnerabilities by offsetting energy-intensive imported water supplies and the associated greenhouse gas emissions. ***Integrates Projects within a Hydrological Region:*** The Project integrates with other projects in the GLAC Region that also support IRWM objectives of reducing the Region's reliance on imported water. This Project also complements other conservation projects included in this application, such as the Southeast Water Efficiency Program, the Advanced Water Meter Replacement Project, and the Paramount Blvd. Turf Replacement Project. ***Resolves Significant Water-Related Conflicts:*** The Project effectively resolves significant water-related conflicts between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population depends on. ***Contributes to Attainment of one or more CALFED objectives:*** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. ***Integrates Water Management with Land Use Planning:*** The Project effectively integrates water management with land use planning by using park space to for stormwater capture that can be used to irrigate the park-scape and preserve the land use amenity. ***Is Part of an IRWM Plan that helps reduce Delta reliance:*** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. ***Statewide Priorities:*** ***Drought Preparedness.*** By implementing the water conservation components, the Project will make additional local water supplies available, decreasing impacts associated with imported water shortages. ***Use and Reuse Water More Efficiently.*** The Project will provide a more efficient use of local water supplies by implementing conservation elements that will conserve potable water. ***Climate Change Response Actions.*** The Project will reduce energy consumption by removing the demand for energy-intensive imported water supplies. These measures will reduce overall greenhouse gas emissions. ***Expand Environmental Stewardship.*** By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. ***Addresses Human Right to Water:*** This Project conserves a local water supply, thus preserving clean, affordable, and accessible water for potable uses in the area.

***Certainty of Preferences Being Met:*** The Project addresses these preferences with a **HIGH** degree of certainty. Conservation programs of this type are necessary in order to preserve potable water, and this Project will lead the way in implementing conservation measures that have been applied throughout Southern California with a high success rate. In addition, this Project is not dependent on any other project to provide the benefits. There are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

***Breadth and Magnitude of Preferences and Priorities Being Met:*** By conserving imported water supply and decreasing overall costs to meet equivalent needs, the Project provides **LOCAL** benefits to the Region. By decreasing the demand on supplies that are distributed throughout the area, the Project provides **REGIONAL** benefits by increasing supply reliability. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project also provides **STATEWIDE** benefits.

### **Project 8: Urban Streams Restoration in the Malibu Creek Watershed**

***Program Preferences Addressed by this Project: Regional Project:*** This Project meets the regional criteria as defined by CWC §10537, by improving resource stewardship through ecosystem restoration and fish passage improvement within riparian areas of Medea Creek. ***Integrates Projects within a Hydrological Region:*** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives of enhancing habitat, enhancing open space and recreation, reducing flood risk by restoring floodplain, and improving surface water quality. This Project also integrates with other habitat restoration projects included in this application, such as the Las Virgenes



Creek Restoration Project – Phase II and the Upper Los Angeles River Big Tujunga Restoration and Arundo Eradication Project. **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by combining stream restoration, habitat, and open space land uses. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** Expand Environmental Stewardship. This project promotes, improves, and expands environmental stewardship to protect and enhance the environment by improving instream functions and sustaining water and flood management ecosystems.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The success of habitat restoration and species protection projects has been demonstrated in areas near the Project area such as the Urban Streams Restoration Project in the Malibu Creek Watershed, Dry Canyon Creek Project, and Cold Creek Project. In addition, neither the species protection nor the habitat restoration portion of the Project is dependent on any other projects to provide the benefits. This Project builds upon the benefits provided by other projects being completed as part of the Urban Streams Restoration Project in the Malibu Creek Watershed. There are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By restoring native species and habitat to the Project area in Medea Creek, the Project provides **LOCAL** benefits. By improving fish passage and flood management ecosystem in the Malibu Creek watershed, the Project provides **REGIONAL** benefits.

#### **Project 9: Inglewood Well No. 7 Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by improving water supply reliability by offsetting imported supplies with local groundwater supplies. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other groundwater well water projects included in this application, such as the Centralized Groundwater Treatment System Project, the North Torrance Well Field Project, Phase III, the Nitrate Removal Treatment Facility at Well 2 Project, and the Live Oak Well VOC Treatment Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will directly benefit the DAC communities of the City of Inglewood as it will replace water supply wells that have exceeded their useful life (see Attachment 7). **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by increasing local water production in urban areas allowing for compact and sustainable development and relieving pressure on urban extensification. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: Drought Preparedness. The Project will make additional locally-produced, drought-resistant groundwater supplies available for potable uses, decreasing impacts associated with imported water shortages. Use and Reuse Water More Efficiently. The Project will reduce reliance on the Sacramento-San Joaquin Delta in meeting water supply needs and therefore improve the water supply reliability of the Delta itself. Climate Change Response Actions. The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local groundwater supplies. These measures will reduce overall greenhouse gas emissions. Expand Environmental Stewardship. By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. Ensure Equitable Distribution of Benefits: The Project will ensure equitable distribution of benefits by preserving potable

water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced supply that will be used for potable uses in a Disadvantaged Community (DAC), thus increasing access to clean, affordable, and accessible water for DAC potable uses in the City of Inglewood service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The supply benefit is substantiated by the availability of groundwater in the Project area and the well-established technology of production wells. In addition, the well components are not dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout City of Inglewood's distribution system and offsetting imported supplies for the Region, 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 10: Recycled Water Supply for Palos Verdes Golf Course**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the use of water recycling and matching water quality to water use by using non-potable recycled water for irrigation purposes. The Project also improves resource stewardship by implementing ecosystem restoration at Malaga Dunes. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other recycled water projects included in this application, such as the Las Virgenes – Calleguas Municipal Water Districts Interconnection; the Gateway Cities Regional Recycled Water System Expansion; and the Hoover, Toll, and Keppel School Recycled Water Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population currently depends on. Also, the SWRCB Recycled Water Policy has mandated an increase in the use of recycled water by 2030. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by diverting water from waste streams for reuse. The project will promote compact and sustainable urban development by improving current land use in public spaces using existing water resources. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: Drought Preparedness. The Project will make additional locally-produced, drought-resistant recycled water supplies available for non-potable uses, decreasing impacts associated with imported water shortages. Use and Reuse Water More Efficiently. The Project will provide a consistent, drought-proof source of high quality water to offset potable demands by providing recycled water for non-potable uses. Climate Change Response Actions. The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local recycled water supplies. These measures will reduce overall greenhouse gas emissions. Expand Environmental Stewardship. By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. Ensure Equitable Distribution of Benefits: The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced supply that will be used for irrigation uses, thus preserving clean, affordable, and accessible water for potable uses in the WBMWD service area and the City of Palos Verdes Estates.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. Recycled water use for non-potable purposes has over 60 years of success in the Region, with well-documented

benefits. In addition, neither the recycled water portion nor the habitat restoration portion of the Project is dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for non-potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout WBMWD's relatively large recycled water system, 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 11: North Torrance Well Field Project, Phase III**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by improving water supply reliability by offsetting imported supplies with local groundwater supplies. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other groundwater well water projects included in this application, such as the Centralized Groundwater Treatment System Project, the Inglewood New Well No. 7 Project, the Nitrate Removal Treatment Facility at Well 2 Project, and the Live Oak Well VOC Treatment Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply on which much of Southern California's population currently depends. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by increasing local water production in urban areas allowing for compact and sustainable development and relieving pressure on urban extensification. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: Drought Preparedness. The Project will make additional locally-produced, drought-resistant groundwater supplies available for potable uses, decreasing impacts associated with imported water shortages. Use and Reuse Water More Efficiently. The Project will reduce reliance on the Sacramento-San Joaquin Delta during especially dry years and therefore improve the water supply reliability of the Delta itself. Climate Change Response Actions. The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local groundwater supplies. These measures will reduce overall greenhouse gas emissions. Expand Environmental Stewardship. By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. Ensure Equitable Distribution of Benefits: The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced supply that will be used for potable uses, thus preserving clean, affordable, and accessible water for potable uses the in City of Torrance service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The supply benefit is substantiated by the availability of groundwater in the Project area and the well-established technology of production wells. . In addition, neither the well or treatment components are dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout City of Torrance's distribution system and offsetting imported supplies for the Region, 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 12: Upper Los Angeles River Big Tujunga Restoration and Arundo Eradication Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the removal of Arundo and the associated water savings that will occur as a result. The Project also improves resource stewardship by implementing ecosystem restoration within riparian areas of the Big Tujunga and Little Tujunga Watersheds. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other habitat restoration projects included in this application, such as the Las Virgenes Creek Restoration Project – Phase II and the Urban Streams Restoration in the Malibu Creek Watershed Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by implementing conservation to offset demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will directly benefit the DAC communities of the City of Los Angeles as it will conserve local water supplies in the San Fernando Basin (see Attachment 7). **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by combining stream restoration, habitat, and open space land uses. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** *Drought Preparedness.* By removing an invasive species (Arundo) with very high water demands, the Project will make additional local surface water supplies available, decreasing impacts associated with imported water shortages. *Use and Reuse Water More Efficiently.* The Project will provide a more efficient use of local surface and groundwater supplies in Big Tujunga Creek by removing Arundo. *Climate Change Response Actions.* The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local surface water supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Ensure Equitable Distribution of Benefits:* The Project will ensure equitable distribution of benefits by preserving local surface water supplies in a DAC-designated area; these supplies support access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project conserves a local surface water supply in a DAC, thus preserving clean, affordable, and accessible water for potable uses in the San Fernando Basin.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The high demand for surface and groundwater from the growth of invasive Arundo is well-documented, and its removal will provide direct supply benefits. In addition, neither the supply nor the habitat restoration portion of the Project is dependent on any other projects to provide the benefits. In fact this project supports other habitat restoration projects planned further downstream. There are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By conserving local surface water supply, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout the San Fernando Basin area, 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 13: Nitrate Removal Treatment Facility at Well 2 Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by improving water quality, including groundwater and aquifer remediation. The Project also improves water supply reliability by offsetting imported supplies with local groundwater supplies. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other groundwater well water projects included in this application, such as the Inglewood New Well No. 7, the North Torrance Well Field Project, Phase III, the Centralized Groundwater Treatment

System Project, and the Live Oak Well VOC Treatment Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by increasing local water production in urban areas allowing for compact and sustainable development and relieving pressure on urban extensification. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: *Drought Preparedness.* The Project will make additional locally-produced, drought-resistant groundwater supplies available for potable uses, decreasing impacts associated with imported water shortages. *Use and Reuse Water More Efficiently.* The Project will reduce reliance on the Sacramento-San Joaquin Delta in meeting water supply needs and therefore improve the water supply reliability of the Delta itself. *Climate Change Response Actions.* The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local groundwater supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Protect Surface Water and Groundwater Quality:* The Project will protect and restore groundwater quality to safeguard public health and secure water supplies for beneficial uses. *Ensure Equitable Distribution of Benefits:* The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced potable supply, thus increasing access to clean, affordable, and accessible water for potable uses in the Crescenta Valley Water District service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The supply benefit is substantiated by the availability of groundwater in the Project area and the well-established technology of production wells. The water quality benefit is substantiated by the AROnite bacterial reduction treatment process that has been demonstrated by the Cucamonga Valley Water District. In addition, neither the well or treatment components are dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout Monterey Park's distribution system and offsetting imported supplies for the Region, 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 14: Hoover, Toll, & Keppel School Recycled Water Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the use of water recycling by using non-potable recycled water for irrigation purposes and improving water quality. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other recycled water projects included in this application, such as the Las Virgenes - Calleguas Municipal Water Districts Interconnection; the Gateway Cities Regional Recycled Water System Expansion; and the Recycled Water Supply for Palos Verdes Golf Course Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population currently depends on. Also, the SWRCB Recycled Water Policy has mandated an increase in the use of recycled water by 2030. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of

improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will directly benefit Disadvantaged Communities (DACs) within the City of Glendale as it will expand access to recycled water for landscape irrigation (see Attachment 7). **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by diverting water from waste streams for reuse. The project will promote compact and sustainable urban development by improving current land use in public spaces using existing water resources. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: *Drought Preparedness.* The Project will make additional locally-produced, drought-resistant recycled water supplies available for non-potable uses, decreasing impacts associated with imported water shortages. *Use and Reuse Water More Efficiently.* The Project will provide a consistent, drought-proof source of high quality water to offset potable demands by providing recycled water for non-potable uses. *Climate Change Response Actions.* The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local recycled water supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Ensure Equitable Distribution of Benefits:* The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. The Project area encompasses approximately 53% DACs. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced supply that will be used for irrigation uses in a DAC, thus preserving clean, affordable, and accessible water for potable uses in the Glendale Water and Power (GWP) service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. Recycled water use for non-potable purposes has over 60 years of success in the Region, with well-documented benefits. In addition, the recycled water pipeline is not dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory or institutional obstacles that would prevent the benefits from being realized if proper permitting is obtained.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for non-potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout GWP's recycled water system, 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 15: Lopez Spreading Grounds Improvement Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the use of groundwater storage and conjunctive water management and stormwater management. The Project also improves flood management through structural means with centralized stormwater capture and infiltration. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to increase local water supply and utilization, and complements other stormwater recharge projects such as the Big Dalton Spreading Grounds Improvement Project, The Water LA Retrofits Project, and the Franklin D. Roosevelt Park Regional BMP Project. **Resolves Significant Water-Related Conflicts:** The Project increases groundwater supply in the San Fernando Groundwater Basin (Basin) which reduces stress on pumpers of the Basin, and offsets demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water through increasing local groundwater recharge and use. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will directly benefit DACs within the San Fernando Valley and City of Los Angeles as it will increase groundwater supply in the Basin (see Attachment 7). **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by increasing the groundwater basin recharge capacity of existing spreading ground facilities without requiring more land to be converted for this purpose. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in

the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: Drought Preparedness. The Project will make additional locally-produced, drought-resistant groundwater supplies available for potable uses, decreasing impacts associated with imported water shortages. Use and Reuse Water More Efficiently. The Project will promote conjunctive use and efficient groundwater basin management through stormwater capture and recharge to the groundwater basin for reuse. Climate Change Response Actions. The Project will address climate change issues by increasing local groundwater supply through stormwater capture and infiltration, which will help offset the use of energy-intensive imported water supplies. These measures will reduce overall greenhouse gas emissions. Expand Environmental Stewardship. By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. Practice Integrated Flood Management. The Project practices integrated flood management by providing improved emergency preparedness and response, improved flood protection, and more sustainable flood and water management systems by increase capacity at upstream flood control facilities. Protect Surface and Groundwater Quality. The Project protects groundwater quality by capturing and infiltrating a clean stormwater source near the upstream end of the watershed. Ensure Equitable Distribution of Benefits. The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced supply that will be used for potable uses in a disadvantaged community (DAC) area, thus increasing access to clean, affordable, and accessible water for DAC potable uses.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. Los Angeles County Flood Control District centralized stormwater capture facilities have provided reliable groundwater recharge for almost a century in the highly developed GLAC Region where other means of recharging groundwater are limited. The Lopez Spreading Grounds itself has been providing water supply and flood protection benefits for the past 60 years. Additionally, there are no regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout Los Angeles Department of Water Power's distribution system and offsetting imported supplies for the Region, the Project provides **REGIONAL** benefits. By reducing reliance on Delta supplies and reducing energy and greenhouse gas emissions of imported supplies, the Project provides **STATEWIDE** benefits.

### **Project 16: Big Dalton Spreading Grounds Improvement Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through the use of groundwater storage and conjunctive water management and stormwater management. The Project also improves flood management through structural means with centralized stormwater capture and infiltration. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to increase local water supply and utilization. This project also integrates with other projects in this application that will increase groundwater supply in the GLAC Region such as the Lopez Spreading Grounds Improvement Project, the Water LA Retrofits Project, and the Franklin D. Roosevelt Regional BMP Project. **Resolves Significant Water-Related Conflicts:** The Project increases groundwater supply in the Glendora Groundwater Basin (Basin) which reduces stress among pumpers of the Basin, and offsets demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water through increasing local groundwater recharge and use. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by increasing the utilization of existing aquifer recharge facilities to improve water management without requiring more land to be converted for this purpose. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project

addresses several Statewide Priorities described as follows: *Drought Preparedness*. The Project will make additional locally-produced, drought-resistant groundwater supplies available for potable uses, decreasing impacts associated with imported water shortages *Use and Reuse Water More Efficiently*. The Project will promote conjunctive use and efficient groundwater basin management through stormwater capture and recharge to the groundwater basin. *Climate Change Response Actions*. The Project will address climate change issues by increasing local groundwater supply through stormwater capture and infiltration, which will help offset the use of energy-intensive imported water supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship*. By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Practice Integrated Flood Management*. The Project practices integrated flood management by providing better emergency preparedness and response, improved flood protection, and more sustainable flood and water management systems by increasing capacity of the Big Dalton flood control facilities. *Protect Surface and Groundwater Quality*. The Project protects groundwater quality through capturing and recharging a clean stormwater source from a mostly undeveloped tributary area located in the upstream portion of the San Gabriel River watershed. *Ensure Equitable Distribution of Benefits*. The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project increases the utilization of a locally-produced supply that will be used for potable uses, thus preserving clean, affordable, and accessible water for potable uses in the City of Glendora service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. Los Angeles County Flood Control District centralized stormwater capture facilities have provided reliable groundwater recharge for almost a century in the highly developed GLAC Region where other means of recharging groundwater are limited. The Big Dalton Spreading Grounds itself has been providing water supply and flood protection benefits for the past 80 years. Additionally, there are no regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for potable uses, the Project provides **LOCAL** benefits. The Project also provides **REGIONAL** supply reliability and groundwater management benefits to the GLAC Region as a whole. By reducing reliance on Delta supplies and the energy and greenhouse gas consequences of imported supplies, the Project also provides **STATEWIDE** benefits.

### **Project 17: Live Oak Well VOC Treatment Facility Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by improving water quality, including groundwater and aquifer remediation. The Project also improves water supply reliability by periodically offsetting imported supplies with local groundwater supplies.

**Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other groundwater well water projects included in this application, such as the Inglewood New Well No. 7, the North Torrance Well Field Project, Phase III, the Nitrate Removal Treatment Facility at Well 2 Project, and the Monterey Park Centralized Groundwater Treatment System Project. **Resolves**

**Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water during especially dry years. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Integrates Water**

**Management with Land Use Planning:** This Project effectively integrates water management with land use planning by increasing local water production in urban areas allowing for compact and sustainable development and relieving pressure on urban extensification. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: *Drought Preparedness*. The Project will make additional locally-produced, drought-resistant groundwater supplies available for potable uses, decreasing impacts associated with imported water shortages. *Use*

*and Reuse Water More Efficiently*. The Project will reduce reliance on the Sacramento-San Joaquin Delta during



especially dry years and therefore improve the water supply reliability of the Delta itself. *Climate Change Response Actions*. The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local groundwater supplies during especially dry years. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship*. By periodically offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Protect Surface Water and Groundwater Quality*: The Project will protect and restore groundwater quality to safeguard public health and secure water supplies for beneficial uses. *Ensure Equitable Distribution of Benefits*: The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water**: This Project increases the utilization of a locally-produced potable supply, thus increasing access to clean, affordable, and accessible water for potable uses in the Arcadia service area.

**Certainty of Preferences Being Met**: The Project addresses these preferences with a **HIGH** degree of certainty. The supply benefit is substantiated by the availability of groundwater in the Project area and the well-established technology of production wells. The water quality benefit is substantiated by the well-proven Liquid-phase Granular Activated Carbon treatment process. In addition, neither the well or treatment components are dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met**: By providing local water supply reliability for potable uses, the Project provides **LOCAL** benefits. By increasing local supplies and offsetting imported supplies for the Region during dry years, the Project provides **REGIONAL** benefits; and by reducing reliance on Delta supplies during dry years (and the energy and greenhouse gas consequences of imported supplies), the Project provides **STATEWIDE** benefits.

### **Project 18: Centralized Groundwater Treatment System Project**

**Program Preferences Addressed by this Project: Regional Project**: This Project meets the regional criteria as defined by CWC §10537, by improving water quality, including groundwater and aquifer remediation. The Project also improves water supply reliability by offsetting imported supplies with local groundwater supplies. **Integrates Projects within a Hydrological Region**: The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to optimize local water resources and reduce the Region's reliance on imported water. This Project also integrates with other groundwater well water projects included in this application, such as the Inglewood New Well No. 7, the North Torrance Well Field Project, Phase III, the Nitrate Removal Treatment Facility at Well 2 Project, and the Live Oak Well VOC Treatment Project. **Resolves Significant Water-Related Conflicts**: The Project effectively resolves significant water-related conflicts within and between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives**: This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs**: The Project will directly benefit the Disadvantaged Communities (DACs) of the City of Monterey Park as it will maximize production from water supply wells that have been affected by contaminants (see Attachment 7). **Integrates Water Management with Land Use Planning**: This Project effectively integrates water management with land use planning by increasing local water production in urban areas allowing for compact and sustainable development and relieving pressure on urban extensification. **Is Part of an IRWM Plan that helps reduce Delta reliance**: This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, Reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities**: This Project addresses several Statewide Priorities described as follows: *Drought Preparedness*. The Project will make additional locally-produced, drought-resistant groundwater supplies available for potable uses, decreasing impacts associated with imported water shortages. *Use and Reuse Water More Efficiently*. The Project will reduce reliance on the Sacramento-San Joaquin Delta in meeting water supply needs and therefore improve the water supply reliability of the Delta itself. *Climate Change Response Actions*. The Project will reduce energy consumption by replacing energy-intensive imported water supplies with lower-energy local groundwater supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental*

*Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Practice Integrated Flood Management:* not applicable. *Protect Surface Water and Groundwater Quality:* The Project will protect and restore groundwater quality to safeguard public health and secure water supplies for beneficial uses. *Ensure Equitable Distribution of Benefits:* The Project will ensure equitable distribution of benefits by preserving potable water supplies that provide access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This Project increases the utilization of a local supply that will be used for potable uses in a DAC area, thus increasing access to clean, affordable water for potable uses in the Monterey Park service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. The supply benefit is substantiated by the availability of groundwater in the Project area. The water quality benefit is substantiated by the proven advanced oxidation treatment process. In addition, neither the well nor treatment components are dependent on any other projects to provide the benefits. For the end uses proposed, there are no known regulatory obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By providing local water supply reliability for potable uses, the Project provides **LOCAL** benefits. By increasing local supplies that are distributed throughout Monterey Park's distribution system and offsetting imported supplies for the Region, the Project provides **REGIONAL** benefits. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project provides **STATEWIDE** benefits.

### **Project 19: Southeast Water Efficiency Program Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by increasing water supply through audits, retrofits, and repairs of sites with high efficiency devices to reduce indoor and outdoor water use. The Project also helps to improve water quality by reducing Nitrate/Nitrite concentrations by means of decreasing over-irrigation and urban runoff. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to conserve water resources and improve water quality. This Project builds upon current ongoing conservation projects in the Central Basin Municipal Water District's (Central Basin) service area, as well as other conservation projects in this application like the Paramount Boulevard Turf Replacement Project, Comprehensive Water Conservation Project, and Advanced Water Meter Replacement Project. **Resolves Significant Water-Related Conflicts:** The Project effectively resolves significant water-related conflicts between regions by offsetting demands for imported water, a scarce supply that much of Southern California's population depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will provide benefits to the DAC-designated areas within Central Basin by implementing an efficient way to reduce water usage that will help to offset the use of more costly imported water (see Attachment 7). **Integrates Water Management with Land Use Planning:** The Project effectively integrates water management with land use planning by improving the efficient use of water to irrigate and thereby preserve urban landscapes. This Project will prioritize the DAC areas within the project service area. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities: Drought Preparedness.** By implementing water efficient devices, the Project will make additional local surface water supplies available, decreasing impacts associated with imported water shortages. *Use and Reuse Water More Efficiently.* The Project will provide a more efficient use of local surface water supplies by installing water efficient devices that will utilize less indoor and outdoor water. *Climate Change Response Actions.* The Project will reduce energy consumption by removing the demand for energy-intensive imported water supplies. These measures will reduce overall greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Ensure Equitable Distribution of Benefits:* The Project will ensure equitable distribution of benefits by prioritizing DACs in the project service area to provide water savings; these supplies support access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary

purposes. **Addresses Human Right to Water:** This Project conserves a local surface water supply, thus preserving clean, affordable, and accessible water for potable uses in the Central Basin service area.

**Certainty of Preferences Being Met:** The Project addresses these preferences with a **HIGH** degree of certainty. This Project is modeled after a current retrofit program that Central Basin is managing. This Project is not dependent on any other project and does not contain any known regulatory or institutional obstacles that would prevent the benefits from being realized.

**Breadth and Magnitude of Preferences and Priorities Being Met:** By conserving imported water supply and decreasing overall costs to meet equivalent needs, the Project provides LOCAL benefits to Central Basin. In addition, by providing local water quality benefits to the Project area and watershed, the Project provides LOCAL and REGIONAL benefits. By decreasing the demand on water supplies that are distributed throughout the area, the Project provides REGIONAL benefits. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project also provides STATEWIDE benefits.

### **Project 20: Water LA Neighborhood Retrofits Project**

**Program Preferences Addressed by this Project: Regional Project:** This Project meets the regional criteria as defined by CWC §10537, by reducing water demand through increasing water supply through the use of groundwater storage, urban water use efficiency and stormwater management, and improving water quality through water pollution prevention by capture and infiltration of stormwater and urban runoff. **Integrates Projects within a Hydrological Region:** The Project integrates with other projects in the GLAC Region that also meet the IRWM objectives to increase local water supply through stormwater capture and improve surface water quality. This Project integrates with other BMP projects identified in the Enhanced Watershed Management Program (EWMP) for the Los Angeles River Watershed that will capture stormwater runoff to reduce pollutant loading to the Los Angeles River, including the Franklin D. Roosevelt Park Regional BMP Project that is part of this grant application. **Resolves Significant Water-Related Conflicts:** The Project increases groundwater supply in the San Fernando Groundwater Basin which reduces stress on pumpers of the Basin and offsets demands for imported water, a scarce supply that much of Southern California's population currently depends on. **Contributes to Attainment of one or more CALFED objectives:** This Project contributes to the attainment of the Water Supply Reliability Program of the CALFED-Bay Delta Program by offsetting demands for imported water through increasing local groundwater recharge and use. It also contributes to the Ecosystem Restoration Program objectives of improving Bay-Delta watershed ecological health by offsetting imported demands. **Addresses critical water supply or water quality needs of DACs:** The Project will directly benefit DACs within the San Fernando Valley as it will increase access to water supply through onsite stormwater capture in DACs (see Attachment 7). **Integrates Water Management with Land Use Planning:** This Project effectively integrates water management with land use planning by improving infiltration in developed residential areas to reduce stormwater and urban runoff while increasing groundwater recharge without changing urban land use. **Is Part of an IRWM Plan that helps reduce Delta reliance:** This Project is included in the GLAC IRWM Plan 2014 Update which has objectives and targets intended to reduce reliance on imported water. For the GLAC Region, reduced reliance on imported water includes reduced reliance on the State Water Project and California Delta. **Statewide Priorities:** This Project addresses several Statewide Priorities described as follows: *Drought Preparedness.* The Project will promote potable water conservation and reuse, achieve long-term reduction of water use, and promote efficient groundwater basin management to improve regional supply reliability. *Use and Reuse Water More Efficiently.* The Project will capture, treat, and recharge urban stormwater runoff using Low Impact Development (LID) features. *Climate Change Response Actions.* The Project will address climate change issues by increasing local groundwater supply through stormwater runoff capture and recharge, which will help offset the use of energy-intensive imported water supplies and reduce greenhouse gas emissions. *Expand Environmental Stewardship.* By offsetting demands for imported water, the Project will help to protect, restore, and enhance habitat in the Sacramento-San Joaquin Delta ecosystem. *Practice Integrated Flood Management.* The Project practices integrated flood management by reducing stormwater flows in urban neighborhoods while improving surface water quality. *Protect Surface and Groundwater Quality.* The Project protects surface water through capturing and infiltrating stormwater and urban runoff that pollutes downstream water bodies. *Ensure Equitable Distribution of Benefits.* The Project will ensure equitable distribution of benefits by prioritizing DACs in the Project service area to increase local water supplies; these supplies support access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. **Addresses Human Right to Water:** This

Project increases the utilization of a locally-produced supply that will be used for potable uses in DACs, thus increasing access to clean and affordable water for potable uses.

***Certainty of Preferences Being Met:*** The Project addresses these preferences with a **HIGH** degree of certainty. The Project is highly supported by stakeholders and is identified in the EWMP for the watershed. The design and benefits of the Project are well-documented through the Water LA Pilot Project that was completed in 2014. Additionally, there are no regulatory or institutional obstacles that would prevent the benefits from being realized.

***Breadth and Magnitude of Preferences and Priorities Being Met:*** By providing stormwater and urban runoff capture and infiltration LID features in neighborhoods in the eastern San Fernando Valley, the Project provides **LOCAL** benefits. The Project provides **REGIONAL** benefits by increasing groundwater recharge to the San Fernando Groundwater Basin that provides supply to a large portion of Los Angeles County including the City of Los Angeles and improving water quality in the Los Angeles River. By reducing reliance on Delta supplies (and the energy and greenhouse gas consequences of imported supplies), the Project provides **STATEWIDE** benefits.