

## Attachment 7. Program Preferences

### 7.1 PROJECT 1: CERRITOS/FOREST LAWN CYPRESS RECYCLED WATER SYSTEM EXTENSION

Forest Lawn Cemetery has over 100 acres of lawn area irrigated for over 50 years using potable water. The Cerritos/Forest Lawn Cypress Recycled Water System Extension Project replaces the potable water source for irrigation with a recycled water system. The Cemetery will save over 250 acre-feet of potable water annually. The project footprint includes the Cities of Cerritos, Lakewood, and a part of Cypress.

This project is definitely a regional project, spanning three cities and benefiting more than Cerritos, the initiating city. While not touching a large number of participants directly, the benefit of reducing the potable water demand indirectly helps neighboring cities and water purveyors by reducing the demand on the Central Basin groundwater aquifer. Since surrounding cities draw from that source, they receive the benefit of having more water available for their use, approximately 250 acre-feet per year.

This project contributes to the attainment of the **Water Use Efficiency goal under the Water Supply Reliability Objective of the CALFED Bay-Delta program** by expanding the use of recycling water. This use directly translates to a reduction in the need for surface water to be imported from the State Water Project through CBMWD and MWD, thereby reducing the water demand from the Sacramento-San Joaquin Delta. This project improves the water reliability and allows a more efficient and flexible use of water resources in the State. Again, a yield of 250 acre-feet annually is a modest benefit for the Delta and the Drought Response, but the benefit is certain.

By replacing the potable water system with a recycled water system the region can increase its water supply reliability and water affordability, which will help meet the Region's effort to meet the **Human Right to Water Policy**.

### 7.2 PROJECT 2: MILES AVENUE WELL SITE NITRATE BLENDING IMPROVEMENTS

The Miles Avenue Well Site Nitrate Blending Improvements project will bring an existing groundwater well back into production, restore an activated carbon treatment facility, treat the groundwater for nitrates by blending, and in doing so, remove the nitrates and CTCs from the Central Basin Aquifer, allowing the City to rely on local water sources for 100% of its needs. This will free up demand for approximately 1,000 acre-feet annually of imported SWP water. The Miles Avenue well site was taken out of production by order of the CA Health Department due to high nitrate levels. The loss of this well, it being the highest capacity well in the City's water system with a capacity of 1,400 gpm (1,450 AFY if the groundwater well pump operates 65% of the time), forced the City to purchase imported water at a significant premium over the cost of groundwater. The City needs this project so that it can eliminate its need to purchase imported water.

This project also contributes to the attainment of the Water Use Efficiency goal under the **Water Supply Reliability Objective of the CALFED Bay-Delta program**. It will reduce in the need for imported surface water from the State Water Project through CBMWD and MWD, thereby reducing the water demand from the Sacramento-San Joaquin Delta. This project improves the water reliability and allows a more efficient and flexible use of water resources in the State. Approximately 1,000 acre-feet annually is a significant benefit for the Delta and the Drought Response. Once the project is built, there will be an immediate decrease in demand for the additional imported supply.

Huntington Park has a predominance of disadvantaged communities that will be served by this project. Therefore, this project assists in meeting the Program Preference of **Addressing Critical Water Supply or Water Quality Needs of Disadvantage Communities within the Region**. The project will certainly improve groundwater quality

by treating that source and preventing contaminants from migrating in the groundwater supply. It also assures water reliability for the area's DACs.

The Project also addresses the Program Preference of being **part of an IRWM Plan that helps the Region reduce reliance of the Sacramento-San Joaquin Delta for water supply**. A major goal of the Gateway IRWMP is to optimize and ensure water supply reliability. This project and the IRWMP goal will definitely assist in reducing the reliance on the Delta.

This project will help address the Region's effort to pursue the Human Right to Water Policy by improving groundwater quality in the region, ensuring safe drinking water, and assuring water reliability for the Region and its inhabitants.

### **7.3 SIGNAL HILL ADVANCED GROUNDWATER WELLHEAD TREATMENT FACILITY**

The Signal Hill Advanced Groundwater Wellhead Treatment project will improve the Region's water supply reliability and reduce the need for imported water. It is consistent with the Signal Hill's Urban Water Management Plan that directs the City to develop its local water supplies to reduce the need to purchase imported water and to become more self-reliant. This project will construct an advanced water treatment wellhead facility that will remove the organic color and treat this "new water source" for use as potable water supplies within the City. This project will provide a capacity treatment plant rated for 1,200 gallons per minute (gpm) or approximately 1,450 acre-feet per year (AFY), allowing the City to obtain a new potable water source with treatment from an otherwise unusable groundwater source, create an opportunity to enhance local water supplies and reduce the City's reliance on purchasing imported water.

This project also contributes to the attainment of the Water Use Efficiency goal under the **Water Supply Reliability Objective of the CALFED Bay-Delta program**. It will reduce in the need for imported surface water from the State Water Project through CBMWD and MWD, thereby reducing the water demand from the Sacramento-San Joaquin Delta. This project improves the water reliability and allows a more efficient and flexible use of water resources in the State. The benefit for the Delta and the Drought Response will be very significant, about 1,450 AFY. Once the project is built, there will be an immediate decrease in demand for that imported supply.

Signal Hill has disadvantaged communities that will be served by this project. Therefore, this project assists in meeting the Program Preference of **Addressing Critical Water Supply or Water Quality Needs of Disadvantage Communities within the Region**. The project will improve groundwater quality by treating that source and preventing tainted water from migrating in the groundwater supply. It also assures water reliability for the area's DACs.

The Project also addresses the Program Preference of being **part of an IRWM Plan that helps the Region reduce reliance of the Sacramento-San Joaquin Delta for water supply**. A major goal of the Gateway IRWMP is to ensure water supply reliability. This project and the IRWMP will reduce the reliance on the Delta from the Gateway Region.

This project will help address the Region's effort to pursue the **Human Right to Water Policy** by improving groundwater quality in the region, ensuring safe drinking water, and assuring water reliability for the Region and its inhabitants.

### **7.4 OTHER PREFERENCE**

In addition, to the Program Preferences noted above, the projects in the Gateway Region Priority Drought Projects Initiative will address a majority of the Statewide Priorities for the IRWM Program which is also a Program Preference, as described in Section II.F of the 2014 IRWM Drought Guidelines. The following table summarizes the Statewide Priorities that are addressed by these projects.

**Table 7-1. Program Preference Table – Gateway integrated Regional Water Management Grant Program**

Project Title	Drought Preparedness	Use and Reuse Water More Efficiently	Climate Change Response Actions	Expand Environmental Stewardship	Practice Integrated Flood Management	Protect Surface Water and Groundwater Quality	Improved Tribal Water and Natural Resource	Ensure Equitable Distribution of Benefits
Cerritos/Forest Lawn Cypress Recycled Water System Extension	X	X	X					
Miles Avenue Well Site Nitrate Blending Improvements	X	X	X			X		X
Signal Hill Advanced Groundwater Wellhead Treatment Facility	X	X	X			X		X
	All three projects improve the water supply reliability for the Region.	All three projects use water more efficiently by expanding recycled or treating un-potable water.	All proposals use or re-use water more efficiently which will help adapt to climate change.			Two projects treat ground-water for use and thereby improve and protect overall Basin quality		Two projects are located in DACs that address safe drinking and water quality.