Los Amigos Park

Stormwater Harvesting and Direct Use Demonstration Project

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Overview

- Introduction
- Project Features
- Benefits
- Coordination with Agencies
- Public Outreach
- Sampling and Analysis
Introduction

Overall goal for the City of Santa Monica is to become water self-sufficient.

Sustainable Water Master Plan (SWMP)

Goal
Reduce water use by **20%** and be **100%** water self-sufficient by the year 2020.

City’s Largest Water Users

- SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
- **Saint John’s Health Center**
Introduction

Collaborative effort between:

Metropolitan Water District (MWD)
City of Santa Monica
Santa Monica Malibu Unified School District (SMMUSD)
John Muir Elementary School
Santa Monica Alternative Schoolhouse (SMASH)
Proposed Improvements
Diversion

Jack and bore

57 LF 18” RCP
Pretreatment

9 cfs future phases
Storage System

21’+ excavation
Treatment System

Under construction
Water Use

Treated runoff

Non-potable uses
Field Restoration
Benefits

Potable water reduction

Urban runoff reduction

Assists with Santa Monica Bay TMDL compliance

Consistent with MS4 Permit/EWMP project requirements
Coordination with Agencies

Division of the State Architect (DSA)

LAC FCD connection permit

LAC DPH cross connection permit

California Coastal Commission permit
Sampling and Analysis

Monthly Monitoring
Influent at storm drain diversion
Effluent at sampling station

Quarterly Evaluations
Captured runoff
Treated/used water
Maintenance programs
Cost comparison (treated v. potable)
Los Amigos Park: A Friend to the Environment

Los Amigos Park Stormwater Harvesting and Direct Use Demonstration Project is a collaborative effort between the City of Santa Monica, the Santa Monica Malibu Unified School District and the Metropolitan Water District of Southern California (MWD) that is all about capturing urban runoff and stormwater for beneficial use. The project involves diverting up to 550,000 gallons of water from the storm drain pipe adjacent to the park. The water will be stored, treated, and used for irrigating the playing fields and for indoor toilet flushing in the park restrooms.

The project has two benefits:

1. Protects the Santa Monica bay by reducing the amount of polluted runoff going into the ocean.
2. Demonstrates the benefits of capturing and using urban runoff and stormwater for toilet flushing and irrigating the playing fields. This reduces potable water use, which promotes local sustainability.

This project further solidifies Santa Monica's leadership role in being one of the most sustainable cities in the country.

How the System Works

Runoff from urban catchment

Diverts water from storm drain

Removes trash and sediment

Stores captured water

Pumps water for use

Disinfects water using ultra-violet lamps

Stores disinfected water

Water use for toilet flushing

Keeps the playing fields green

For more Information, visit www.websitegoeshere.org
Any Questions?