La Cañada Town Center Stormwater Infiltration Galleries

Funding Program: Technical Resources Program Fiscal Year 2025-2026 Upper Los Angeles River Watershed Area Foothill Municipal Water District Natalie Ouwersloot Previously Awarded TRP: No

Project Overview

Feasibility study for infiltrating storm flows from the Angeles Crest Highway into the groundwater basin at the La Cañada Town Center

- Primary Objective: Recharge groundwater basin; address stormwater runoff primary pollutants of concern; meet TMDL requirements
- Secondary Objectives: Offset potable irrigation; install permeable pavement; provide native habitat and vegetation; public education
- Project Status: Planning Phase
- Total Funding Requested: \$400K





Project Recharges the Monk Hill Subarea of the Raymond Groundwater Basin

Project Address

965 Town Center Drive La Cañada Flintridge, CA Project Capture Area Includes the Angeles Crest Highway

Project Location in the Upper Los Angeles River Watershed





Project Background

- Project location was selected due to existing collection sump
 - Crucial role in managing peak flows from the Angeles Crest Highway
 - Reduces strain on stormwater collected
- Water quality challenges
 - Meeting TMDL requirements
- Area overlies the Raymond Groundwater Basin
 - Stabilize groundwater levels
 - Agencies currently voluntarily reduce groundwater rights
- Town Center shopping area
 - Provides opportunities for green infrastructure (ULAR EWMP), stormwater management, native vegetation, and public education



Project Details



- Key Features:
 - Nature based solutions
 - Water quality treatment of primary pollutants of concern
 - Groundwater infiltration
 - Soil type 13 Ramona Loam
 - Permeable pavement installations for stormwater management
 - Offset potable irrigation demands
 - Drought tolerant landscaping demonstration garden
 - Shade trees for heat island reduction
 - Public education signage



- Implementation partners:
 - City of La Cañada Flintridge
 - Letter of concurrence received
 - Foothill Municipal Water District
 - Valley Water Company





Agencies interested in maintaining a healthy groundwater basin





Community based organizations supporting green infrastructure





Community Benefits

- Indirect benefits to Disadvantaged Communities
 - Water agencies serving low-income customers benefit from a cost-effective water source
 - Improving groundwater basin levels is critical especially in times of drought
 - Popular Town Center has discount stores and restaurants located adjacent to 210 freeway
- Benefits to the City of La Cañada Flintridge
 - Support for MS4 permit and meeting TMDL requirements
- Benefits for community members
 - Green infrastructure
 - Reduce heat island effect
 - Demonstration garden







- TRP Funding Request: *\$400K FY 2025-2026*
- Anticipated capital costs

Capital Cost Breakdown		
Construction Cost	\$5,000,000	
Planning and Design Cost	\$1,500,000	

 Future potential SCW funding request if TRP determines project to be feasible Anticipated annualized costs

Annual Cost Breakdown		
Annual Maintenance Cost	\$20,000	
Annual Operation Cost	\$5,000	
Annual Monitoring Cost	\$5,000	
Project Concept Life Span	50 years	

Questions?

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Natalie Ouwersloot

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