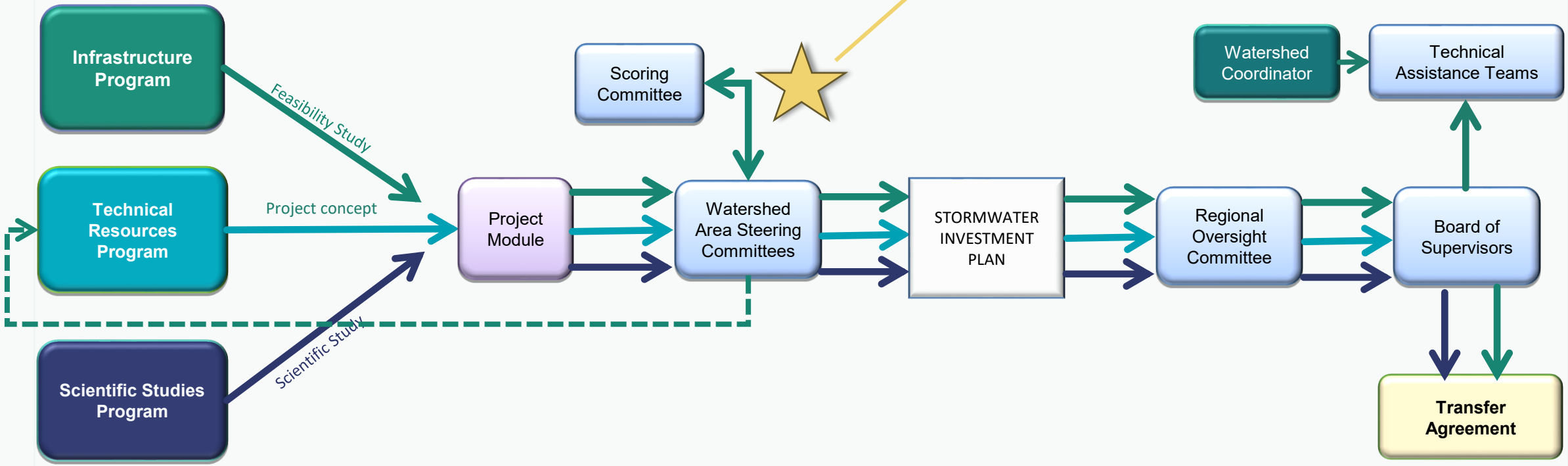
SAFE CLEAN WATER PROGRAM

Summary of Submitted Projects, Project Concepts, and Scientific Studies

Round 7 (FY26-27) Call for Projects

Regional Program – Typical Process

WASC votes to send none, some, or all complete feasibility studies to the Scoring Committee for evaluation.



FY26-27 Project submissions at a glance

Goals:

1. Encourage WASC members to review applications
2. Help WASC members understand the diversity of projects submitted and improve familiarity with initial projects
3. Support WASCs' authority to decide which Projects to send to the Scoring Committee

#	Lead Applicant	Project Name	Funding requested	Program (IP – Design, IP – Construction /O&M, TRP, SS)
1	*Moore Institute for Plastic Pollution Research*	*A Holistic Assessment of Trash in Watersheds*	*$366k*	*SS*
2	*San Gabriel Valley Council of Governments*	*Climate Resistance and Resiliency: An Adaptive Framework for Stormwater Risk Management*	*$401k*	*SS*
3	*City of Pasadena, Department of Public Works*	*Building a Green Infrastructure Workforce in the LA Region*	*$657k*	*SS*
4	*UCLA*	*Regional CECs and Pollutant EMCs in Stormwater Assessment*	*$792k*	*SS*

#	Lead Applicant	Project Name	Funding requested	Program (IP – Design, IP – Construction /O&M, TRP, SS)
5	*Dominick Dusseau*	*Increasing Accuracy of Impervious Cover Estimates for the Safe Clean Water Program*	*$63k*	*SS*
6	*USC Dornsife Public Exchange*	*Characterizing and Optimizing the Water Quality Benefits of In-Channel Vegetation*	*$1.3M*	*SS*
7	*Stillwater Sciences*	*Assessment and Treatment of Contaminants of Emerging Concern*	*$579k*	*SS*
8	*San Gabriel Valley Council of Governments*	*Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture*	*$582k*	*SS*
9	*Herrera Environmental Consultants*	*Stormwater BMP O&M Needs Assessment, Guidance Document, and Implementation Materials*	*$511k*	*SS*
10	*Los Angeles County*	*Franklin D. Roosevelt Park Regional Stormwater Capture Operation and Maintenance Project*	*$1.2M*	*IP – Construction / O&M*
11	*South Pasadena*	*Arroyo Park Infiltration Gallery*	*$1M*	*IP – Design*
12	*San Fernando City*	*Calles Verdes at Workman St*	*$907k*	*IP – Design*
13	*La Cañada Flintridge Country Club*	*La Cañada Flintridge Country Club Dry Weather Diversion*	*$400k*	*TRP*

Total requested: $8,857,579

Total funding request: *$366,000 ($3.2M total)* **Scientific Study**

A Holistic Assessment of Trash in Watersheds

Project Lead: Moore Institute for Plastic Pollution Research (MIPPR)

MIPPR will measure roadside trash loading, harmonize public data, create watershed models to assess WASC BMPs.

Collaborators: *Algalita, California State Water Resources Control Board, Friends of The LA River*
Location: *Program wide - ULAR, CSMB, LLAR, LSGR, RH, NSMB, SCR, SSMB, USGR*
Timeline: *Study complete 06/2030*

Key Highlights

- Watershed trash transport model for WASC-specific recommendations on trash management
- Project will improve water quality by cleaning up all trash found during surveys and identifying future BMP locations
- Workforce development with two field crew members per participating WASC & education/outreach during surveying
- Match funding for sample analysis and facility costs
- Expands on previously funded studies, “Microplastics in LA County Stormwater” & “Street Sweeping Study”

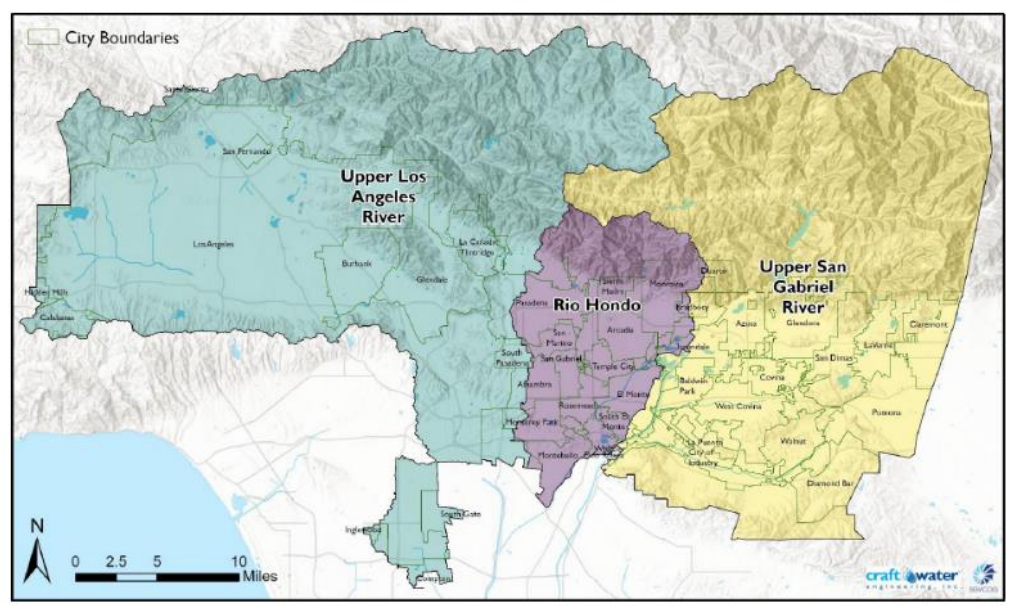
Total funding request: *$400,768 ($1.2M total)* **Scientific Study**

Climate Resistance and Resiliency: An Adaptive Framework for Stormwater Risk Management

Study Lead: San Gabriel Valley Council of Governments

Building a framework for proactive, adaptive strategies in stormwater programs to safeguard communities and protect the environment under extreme conditions of climate change and growing frequency and severity of natural disasters.

Collaborators: *N/A*
Location: *Regional – RH, ULAR, USGR*
Timeline: *Study complete 12/2029*



Key Highlights

- Provide stormwater managers with proactive, cost-effective strategies to prevent or mitigate negative impacts of natural disasters
- Prevention and mitigation strategies will focus on protection of water quality even under extreme natural disasters
- Strategies will provide better protection and investment in measures within Disadvantaged Communities
- Will leverage findings from the funded ULAR Fire Effects Study

Total funding request: *$656,891 ($1.6M total)*

Scientific Study

Building a Green Infrastructure Workforce in the LA Region

Study Lead: City of Pasadena, Department of Public Works

Development of a green infrastructure maintenance framework for regional workforce development.

Collaborators: *City of Pasadena Housing Department, Municipal Assistance, Solutions and Hiring Program (MASH) & City of Pasadena Department of Parks, Recreation, and Community Services*

Location: *Program wide – ULAR, CSMB, LLAR, LSGR, RH, NSMB, SCR, SSMB, USGR*

Timeline: *Study complete 07/2031*

Key Highlights

- Increase understanding of maintenance activities that maximize the treatment of stormwater and urban runoff and ability to capture local water supplies from stormwater infrastructure
- Long-term maintenance will ensure green infrastructure and stormwater capture projects maximize performance to improve water quality
- Workforce development focused on training underserved, under- and unemployed populations
- City of Pasadena has committed $100k each year of the 5-year study

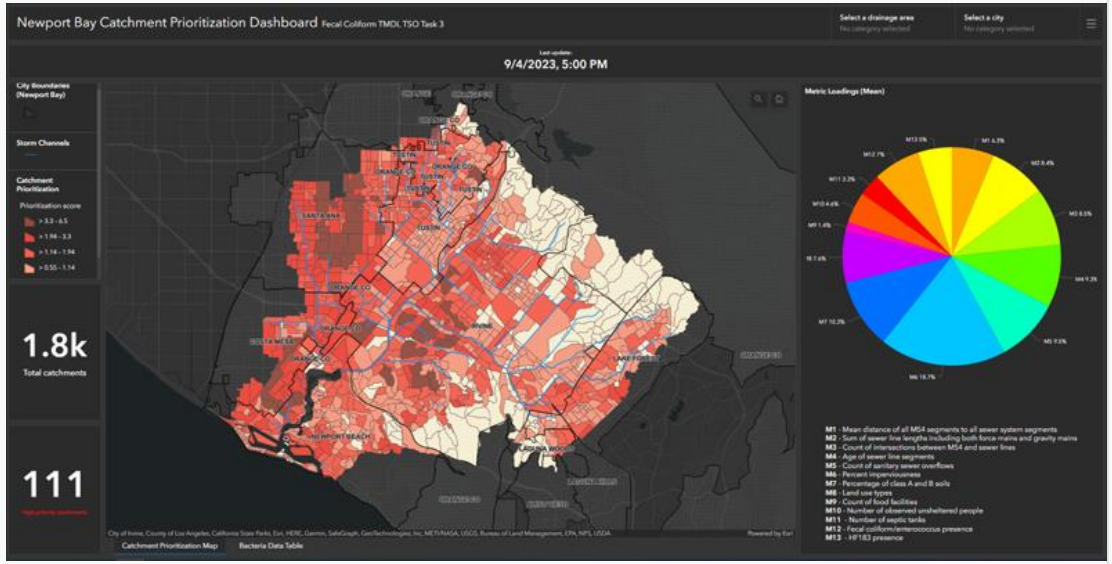
Total funding request: *$792,129 ($2.5M total)* **Scientific Study**

Regional CECs and Pollutant EMCs in Stormwater Assessment

Study Lead: UCLA

Regional stormwater study linking land use to emerging contaminants such as 6PPDQ, PFAS, and microplastics to help guide future BMPs and planning.

Collaborators: *Herrera Environmental Consultants, AtkinsRéalis*
Location: *Regional – CSMB, LSGR, RH, SSMB, ULAR, USGR*
Timeline: *Study complete 02/2032*



Key Highlights

- Guidance for BMP implementation & BMPs post wildfire
- Inform and guide targeted interventions to reduce toxic pollutant discharges
- Long-term community investment and planning, ensuring data remains useful for decades
- Results can inform more equitable stormwater management methods to safeguard all communities

Total funding request: *$63,228* **Scientific Study**

Increasing Accuracy of Impervious Cover Estimates for the Safe Clean Water Program

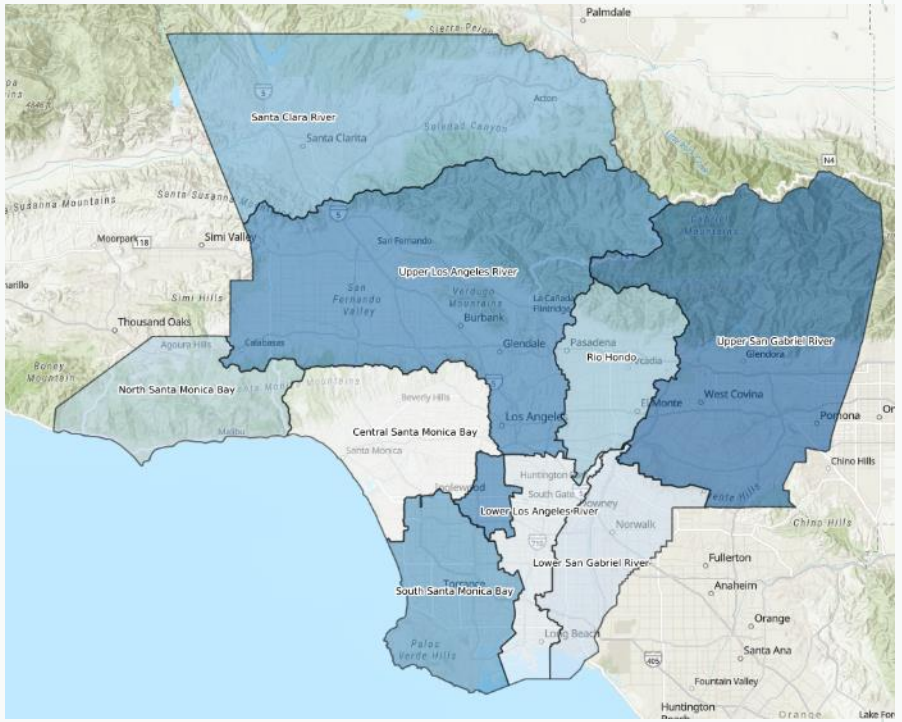
Project Lead: Dominick Dusseau

The Study will create a new, more accurate, impervious cover dataset than what is currently used by the Safe Clean Water Program.

Collaborators: *N/A*
Location: *Program wide: ULAR, CSMB, LLAR, LSGR, RH, NSMB, SCR, SSMB, USGR*
Timeline: *Study complete 10/2026*

Key Highlights

- Improve water quality, increase water supply, and enhance community investments due to the increased precision of the impermeable cover data used to generate revenue for the Safe, Clean Water program
- Greater accuracy in impermeable cover estimates will increase revenue by approximately $37M
- The precision and accuracy of impermeable surface mapping directly impacts the equity and effectiveness of this fee structure



Total funding request: *$1,269,150 ($1.4M total)*

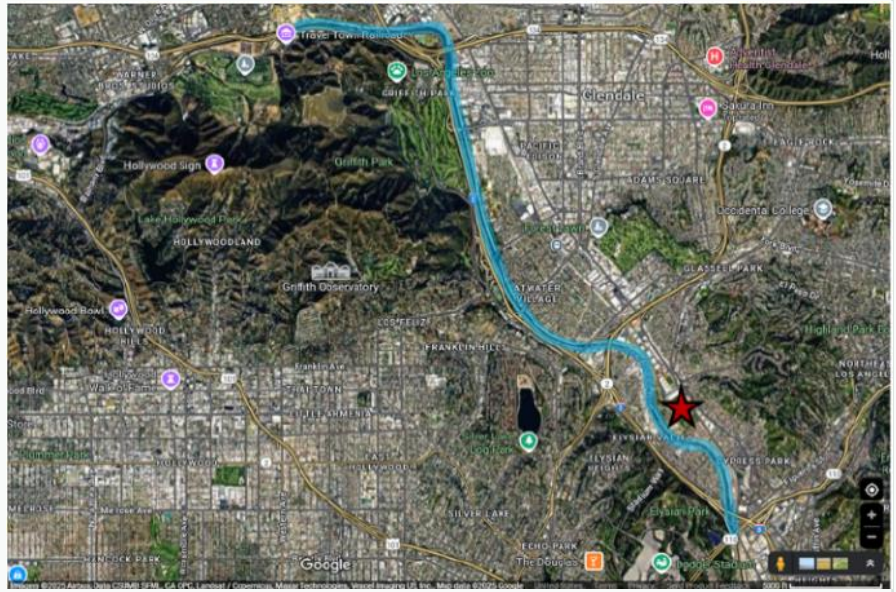
Scientific Study

Characterizing and Optimizing the Water Quality Benefits of In-Channel Vegetation

Project Lead: USC Dornsife Public Exchange

Integrating innovative high-frequency instrumentation and predictive modeling for microbiological and chemical water quality parameters in the Los Angeles River to quantify the water quality benefits of in-channel vegetation and inform regional management and integration of nature-based solutions.

Location: *Regional - ULAR, LLAR*
Timeline: *Study complete 12/2030*



Key Highlights

- Improve regional water quality by providing the first high-resolution assessment of how in-channel vegetation in the LAR functions as a nature-based biofilter
- Fill knowledge gaps by developing and deploying high-frequency in-situ sensors for both microbiological and chemical parameters
- Stakeholder engagement will be integrated throughout the project through the formation of a stakeholder advisory committee composed of relevant public agencies, nonprofit organizations, community-based organizations, and representatives of Tribal Nations
- $1.2M cost share from USC, The Los Angeles Bureau of Engineering, and Northrop Grumman

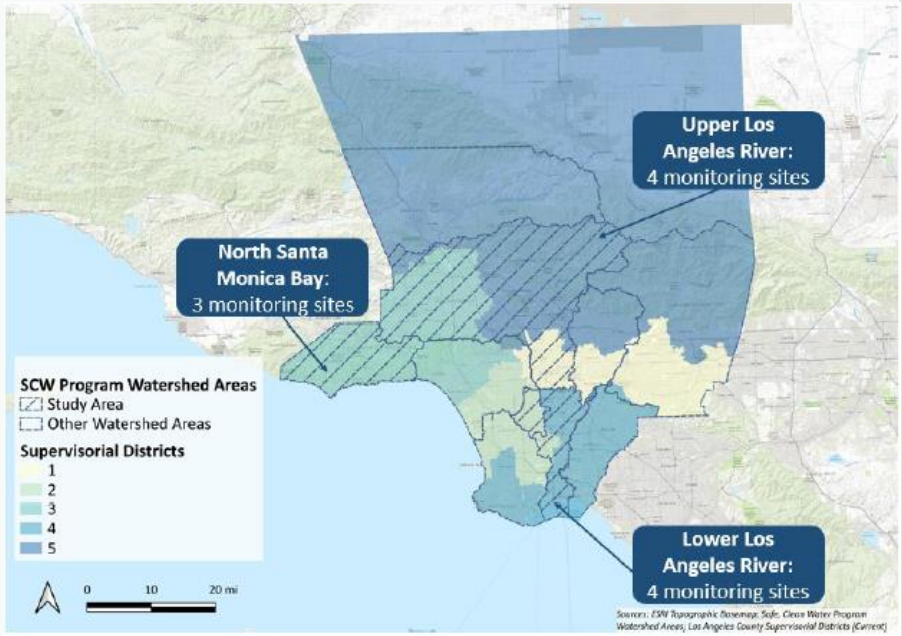
Total funding request: *$579,000 (total $1.6M)* **Scientific Study**

Assessment and Treatment of Contaminants of Emerging Concern

Project Lead: Stillwater Sciences

An assessment of contaminants of emerging concern and recommendations for improving their treatment by stormwater and dry-weather projects.

Location: *Regional – NSMB, ULAR, LLAR*
Timeline: *Study complete 06/2031*



Key Highlights

- Project will help prioritize where infrastructure projects are needed to better address CECs & will assess effectiveness of current approaches used for removing CECs
- Enhances community investment benefits by providing CEC data and BMPs to minimize the risk posed to human health, habitats, wetlands, and regional biodiversity
- Will leverage previously funded project “Microplastics in LA County Stormwater” to select monitoring sites and develop study plans

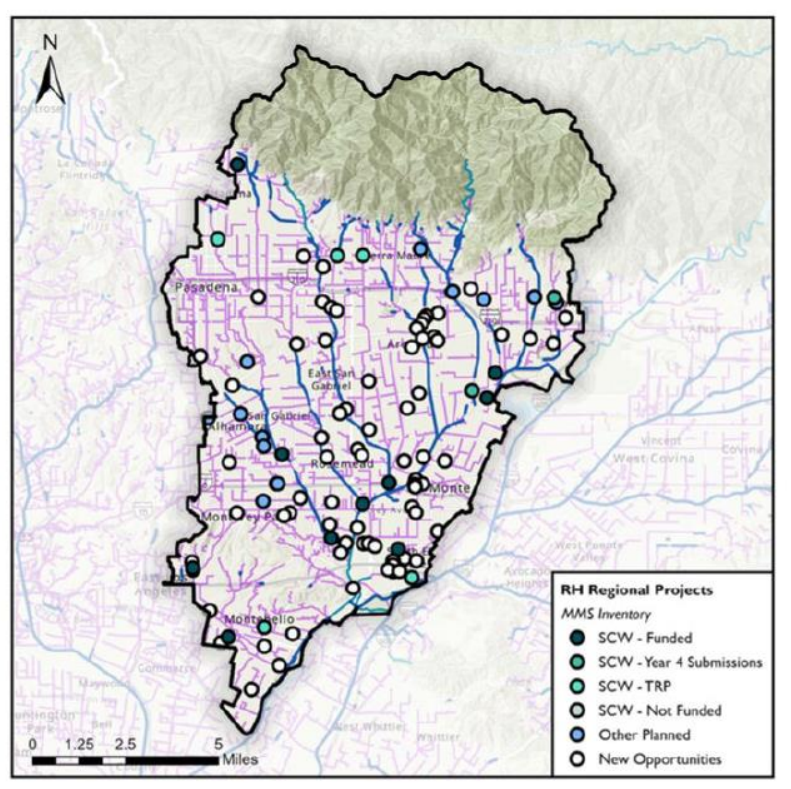
Total funding request: *$581,865 ($1M total)* **Scientific Study**

Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture

Study Lead: San Gabriel Valley Council of Governments

This study, as the third phase of an ongoing effort funded by the Safe, Clean Water Program (SCWP), aims to expand flood management analyses from the Arroyo Seco pilot watershed (Phase 2) to the Upper Los Angeles River (ULAR) and Rio Hondo Watershed Areas.

Collaborators: *UCI Flood Lab, UCLA Center for Climate Science*
Location: *Regional – RH, ULAR*
Timeline: *Study complete 8/2028*



Key Highlights

- Addresses stormwater management by modeling how distributed stormwater capture and upstream storage can reduce flood risks
- Analysis will characterize the Water Quality and Supply Benefits expected from watershed-scale project implementation
- Study will contribute to an enhanced understanding of Community Investment Benefits by better articulating flood management, conveyance, and risk mitigation potential provided by SCWP projects
- Third phase of funded study “Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture”

Total funding request: *$511,362 ($972k total)*

Scientific Study

Stormwater BMP and O&M Needs Assessment, Guidance Document, and Implementation Materials

Project Lead: Herrera Environmental Consultants

The study will gather information on common BMPs and O&M practices, and barriers to successful O&M implementation to develop solutions to the highest priority O&M needs and monitor BMP performance over time, measuring the impact of improved O&M practices relative to current practices.

Collaborators: *The Southern California Coastal Water Research Project (SCCWRP)*
Location: *Regional – CSMB, SSMB, ULAR*
Timeline: *Study complete 11/2030*

Key Highlights

- This study is designed to directly assess and improve the efficiency and effectiveness of stormwater BMP O&M, thereby directly improving water quality and increasing water supply
- Direct community benefits of improved water quality, improved stormwater management, increased water supply, and enhanced BMP co-benefits to communities

Total funding request: *$1,315,356* **IP – O&M Only**

Franklin D. Roosevelt Park Regional Stormwater Capture Operation and Maintenance Project

Project Lead: Los Angeles County

O&M of infiltration galleries, dry wells, and other stormwater BMPs to ensure project continues to improve water quality and function.

Collaborators: *LA County Parks & Recreation*
Location: *7600 Graham Ave, Los Angeles, CA 90001*
Timeline: *Construction complete 12/2020, 5-year O&M*

Key Highlights

- 1985.8 average annual acre-feet stormwater captured
- Captures all flows up to the 85th percentile, 24-hr storm event for a tributary area of 203 acres, improving water quality in Compton Creek and the LA River to address TMDLs
- Project constructed walking paths, benches, picnic tables, exercise equipment, play mounds, and new turf soccer field
- Claims benefit to disadvantaged communities: Yes
- The County will match 50% of the total O&M cost using the County General Fund
- Since the Project's completion, Public Works staff have conducted multiple in-person tours of the facility to different community-based organizations, non-governmental organizations and other agencies

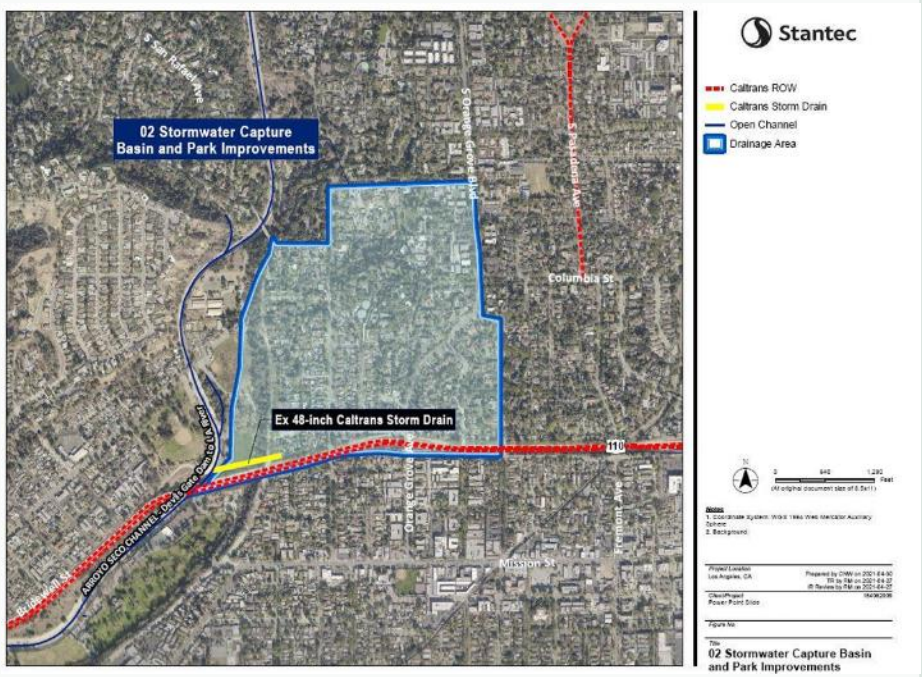
Total funding request: *$1,014,666* **IP – Design Only**

Arroyo Park Infiltration Gallery

Project Lead: South Pasadena

This project proposes an underground infiltration gallery (NDS StormChamber) to be located underneath a soccer field at Arroyo Park.

Collaborators: *N/A*
Location: *614 Stoney Drive, South Pasadena, CA 91030*
Timeline: *Design complete 12/2027 & Construction complete 07/2030*



Key Highlights

- Previously approved TRP project
- 65.8 average annual acre-feet stormwater captured
- Project will capture 85th percentile, 24-hr stormwater runoff from a 165-acre drainage area and flows will be treated using a hydrodynamic separator prior to reaching the underground infiltration gallery to provide groundwater recharge
- Project is proposing to add flowering native trees, screening trees, and parking lot trees that would add shade to the park
- Claims benefit to disadvantaged communities: Yes
- Caltrans funding only for construction phase
- Letters of support: Active SGV, City of Pasadena, South Pasadena Little League, and American Youth Soccer Organization

Total funding request: *$907,200*

IP – Design Only

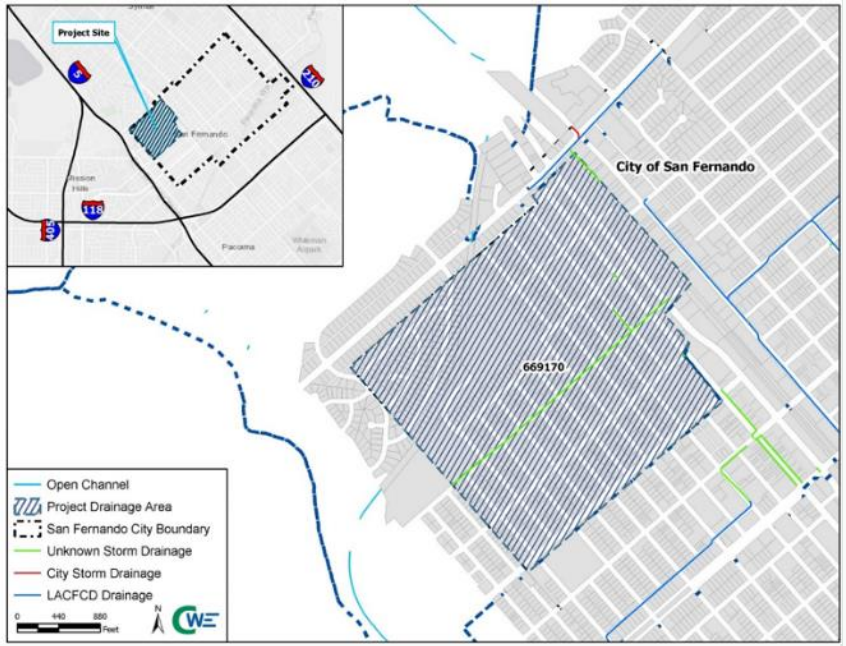
Called Verdes at Workman St

Project Lead: San Fernando City

This multi-benefit project aims to improve water quality with wet weather capture in areas of San Fernando not covered by the Regional Park.

Collaborators: *CWE*
Location: *751 S Workman St, San Fernando, 91340*
Timeline: *Design complete 10/2027 & Construction complete 08/2029*
Key Highlights

- 47 average annual acre-feet stormwater captured
- Pollutants such as suspended solids, heavy metals, and oils will be removed before water reaches the groundwater basin by diverting stormwater into subsurface infiltrations (dry wells), porous concrete surfaces, and Filterra Bioretention Boxes
- Project reduces heat island effect by replacing 55% of impermeable surfaces with permeable surfaces
- Claims benefit to disadvantaged communities: Yes
- Two community workshops were held at Las Palmas Park to provide residents with opportunities to express and offer feedback on the proposed project & a community survey was distributed online and in-person
- Letter of support from Tree People and Pueblo Y Salud



Total funding request: *$400,000*

Technical Resource Project

La Cañada Flintridge Country Club Dry Weather Diversion

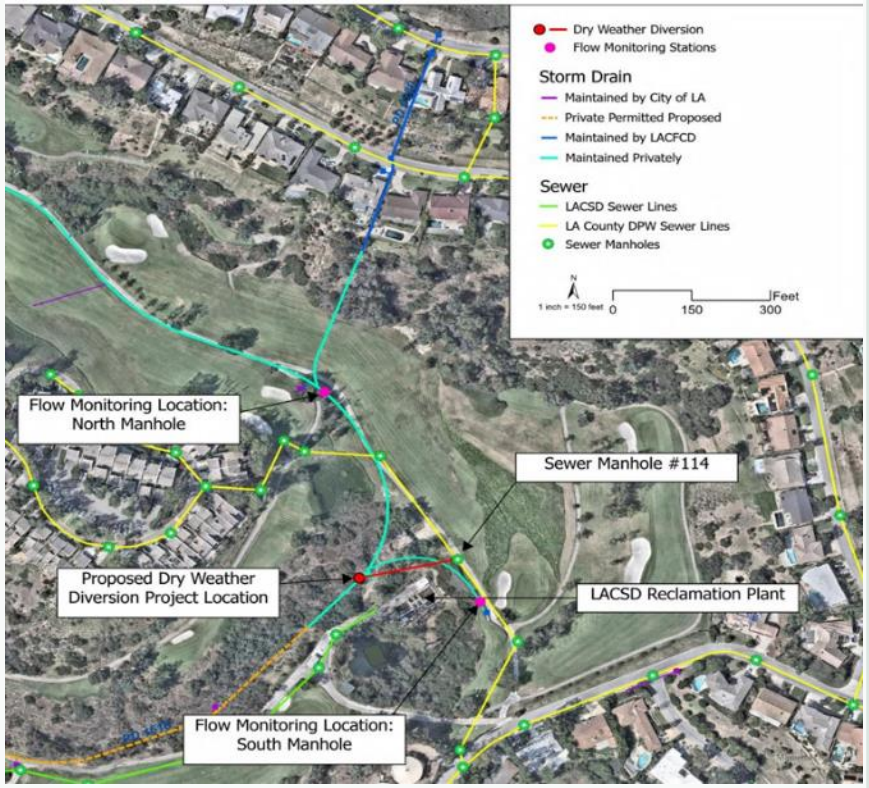
Project Lead: La Cañada Flintridge Country Club

Dry weather runoff diversion to LACSD wastewater reclamation plant for treatment and reuse for golf course irrigation.

Collaborators: *N/A*
Location: *5500 Godbey Drive, La Cañada Flintridge, CA 91011*
Timeline: *Feasibility study complete 08/2027, design complete 06/2029, construction complete 06/2031*

Key Highlights

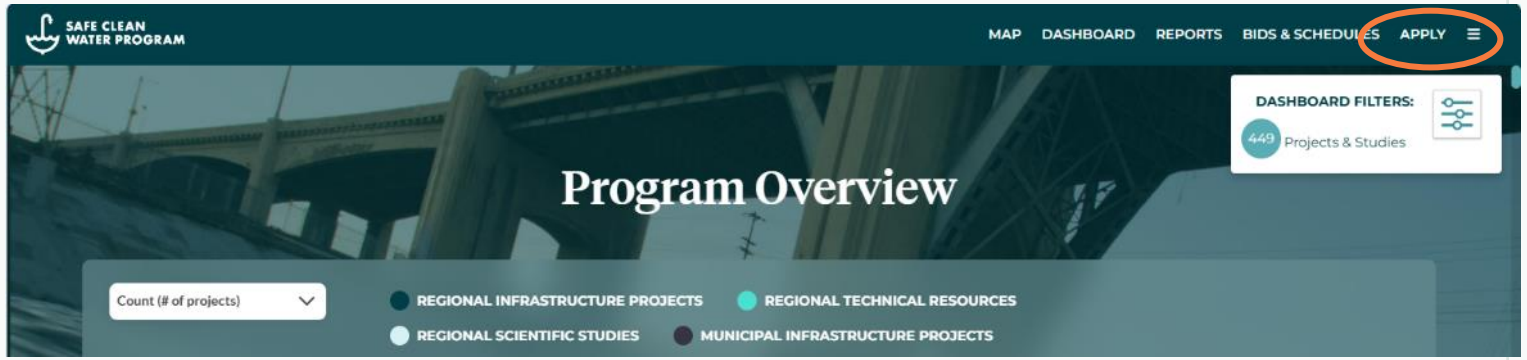
- Dry weather diversion to LACSD after which gold course will receive treated effluent for landscaping irrigation
- Average of 450,000 gallons per month of dry weather runoff measured during a dry weather month
- The Project Concept intends to explore opportunities for increasing the number of trees located at the golf course that would reduce the local heat island effect for the nearby community and increase shade
- Project proponents plan to outreach to the nearby residential neighborhoods and community groups to spread community awareness of the Project Concept and receive feedback during the feasibility study

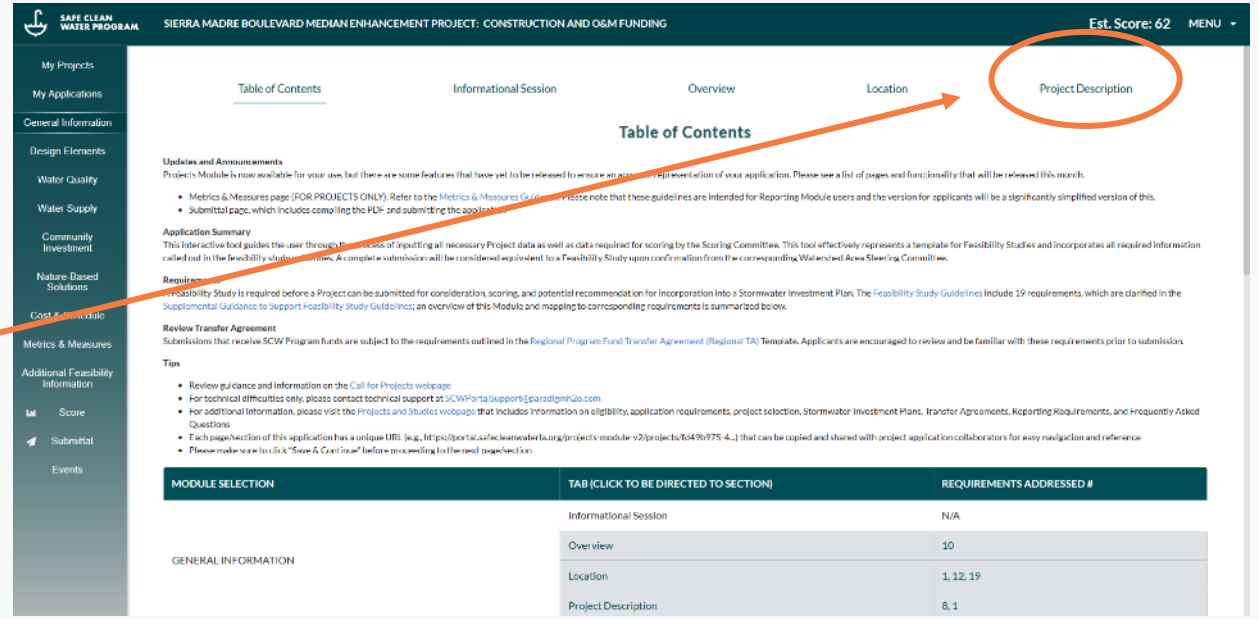


Reviewing Project Applications

"Committee" user permissions allow WASC members to view submitted projects via the "manage all projects" functionality in the Projects Module.

Note: illustrative summaries are included in Project Description tab and compiled PDF submittal





Thank you

QUESTIONS?

Contact the program team at:

www.SafeCleanWaterLA.org

SafeCleanWaterLA@pw.lacounty.gov

1-833-ASK-SCWP (1-833-275-7297)