



INFRASTRUCTURE PROGRAM
FISCAL YEAR 2026-2027

Arcadia City Hall Stormwater Capture Project

RIO HONDO WATERSHED AREA

APPLICATION TYPE:
DESIGN-ONLY

PRESENTATION DATE:
FEBRUARY 17, 2026

PROJECT LEAD:

Rio Hondo/San Gabriel River
Watershed Management
Authority (RH/SGRWM JPA)



Project Overview

Regional stormwater capture treatment facility, community gardens, and landscaping at Arcadia City Hall.

Project Objectives

- Improve the water quality within Rio Hondo watershed
 - Takes runoff, trash, and pollutants from an existing storm drain and re-direct them to an underground storage system to remove trash, sediment, and particulates via a pretreatment device, subsurface storage gallery, and cartridge filters.
- Improve Arcadia City Hall's community amenities and benefits
 - Creation, enhancement, or restoration of parks, habitat, or wetlands
 - Increasing the number of trees and local heat island effect
 - Enhanced or new recreational opportunities

PROJECT LEAD

RH/SGRWM
JPA

SCORING COMMITTEE SCORE

61

PROJECT STATUS

Planning

TOTAL FUNDING REQUESTED

\$1,272,000

Funding Request Phase(s): Design

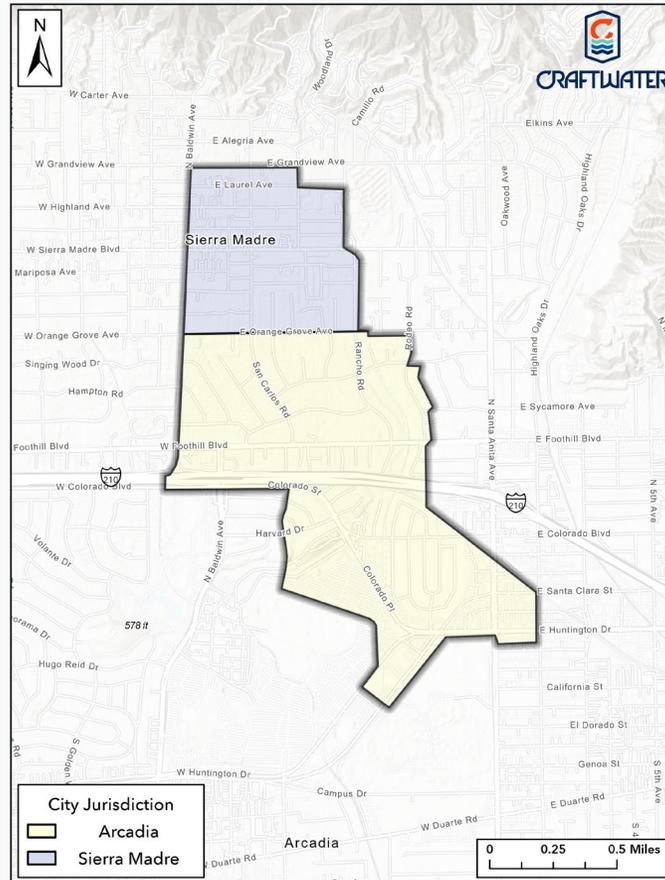
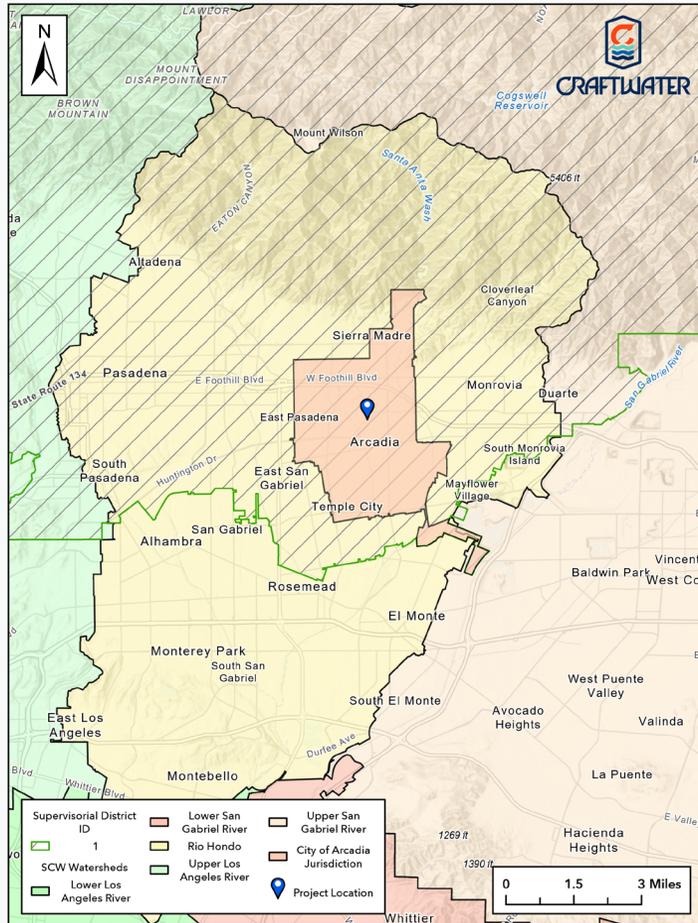
Previously Awarded Technical Resources Project Concept: No

Previously Awarded Instructure Program Project: No

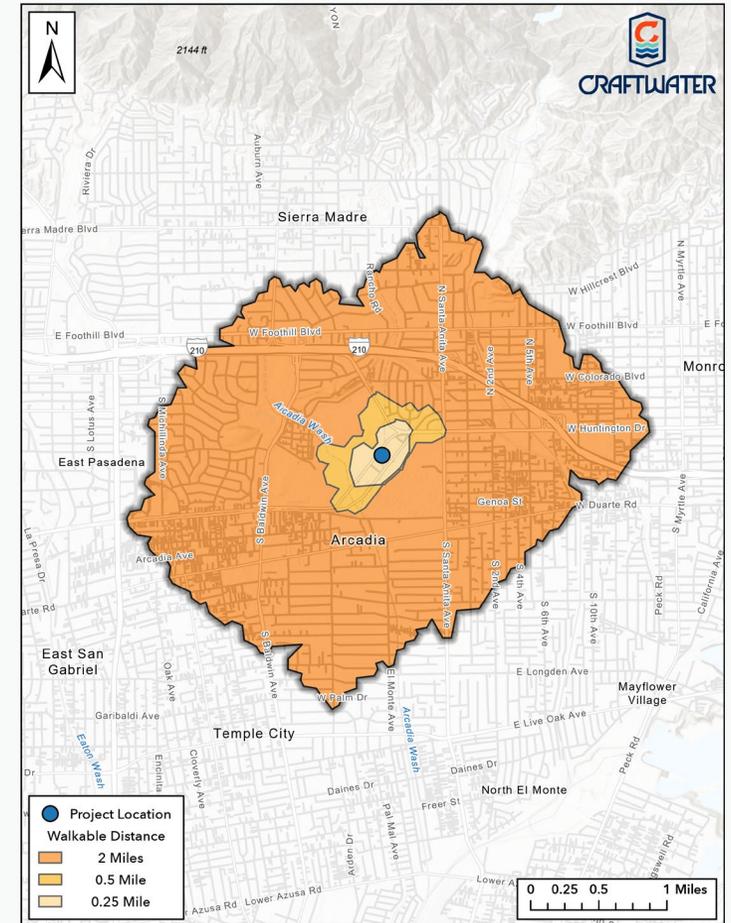
Project Location

Watershed & Municipalities

DAC Walkshed



943 acres



Project Background

Why was the Project location selected?

- Presents a valuable opportunity to deliver significant water quality improvements
- Strategic location and available space for development given its proximity to storm drain infrastructure
- Help meet unmet stormwater management needs identified in the Watershed Management Program (WMP), support water resilience through nature-based solutions, and offer a range of community co-benefits.

How was the Project developed?

The Arcadia City Hall project was identified as a potential project to help the Rio Hondo/San Gabriel River Water Quality Group meet compliance in the Rio Hondo watershed.

How will the Project provide regional benefits to the Watershed Area?

- Regional stormwater capture facility, which will treat runoff, trash, and pollutants from an existing storm drain
- Arcadia City Hall Project will contribute 1 ac-ft out of 74 ac-ft, or 1.4%, of the watershed's required capacity.
 - Zinc reduction of 191 pounds, which is approximately 8.7% of the target outlined in the 2025 RH/SGR WMP

How will the Project provide Disadvantaged Community (DAC) Benefits, if any?

- N/A

Partners

Who are the Project collaborators?

Rio Hondo/San Gabriel River Watershed Management Joint Powers Authority (RH/SGRWM JPA)

What communities or groups have expressed support for the Project via letters of support?

There has been several community organizations that have committed their support of the project. These organizations include:

San Gabriel Valley Council of Governments

Arcadia Beautiful Commission

Upper San Gabriel Valley Municipal Water District

Waste Management

For non-municipality, has the Project received a letter of support or non-objection from the Municipality?

The Arcadia City Hall Stormwater Capture Project is led by the RH/SGRWM JPA of which the City of Arcadia is a member.

If requesting construction and/or O&M funds, who is the responsible party in charge of operations and maintenance?

The Arcadia City Hall Stormwater Capture Project is not currently seeking construction or O&M funding.

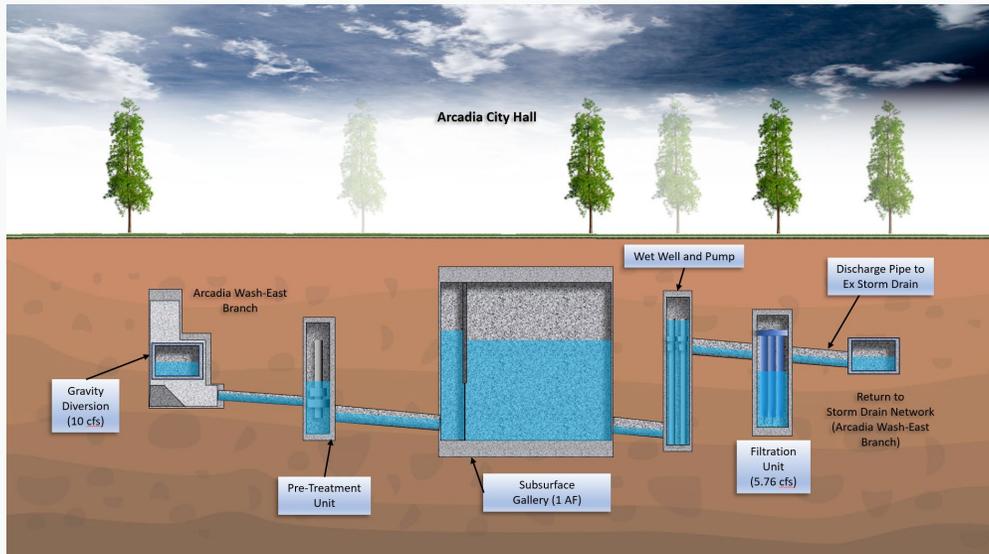
Partners

If applicable, has the Project received a letter of conceptual approval from the Flood Control District?

- The project will impact the LACFCD Arcadia Wash – East Branch facility through the installation of a pipe connection to the existing storm drain.
 - Ensure conveyance of the existing design capacity of the infrastructure thus maintaining the flood control capabilities of the system after construction
- The proposed work will likely require a **Major Modification** and **Discharge Permit** from the LA County Flood Control District.

An LACFCD Letter of Conceptual Approval was received on July 24, 2025.

Project Details



Existing Hydrology

- **Infeasible** to capture the 85th percentile design storm from the Arcadia Wash—East Branch
 - 85th Percentile Peak Flow = 87.2 cfs
 - 85th Percentile Surface Runoff = 41.5 ac-ft
- Infiltration Rate: 0.3 in/hr

Diversion Rate (cfs)	Storage Capacity (ac-ft)	24-hour Capacity (ac-ft)	Primary Pollutant Reduction (zinc)	Secondary Pollutant Reduction (copper)
10	1	11.95	65%	70%

Project Details

Current Site Conditions

- Several mature trees split the green space park area into 0.83 (north) and 0.57 (south) acre subsections. To ensure the preservation of these trees, the storage and treatment basin is proposed to be installed in the northern 0.83-acre subsection of the park.
- The park area is 1.4 acres in size and is often utilized for community events such as concerts, movies, campouts, etc.

Land Ownership/Right-of-Way

- The proposed project is within City of Arcadia's right-of-way
- Proposed work in the Arcadia Wash—East Branch may impact U.S. Army Corps of Engineers (USACE) jurisdiction

Potential/Future Constraints

- City Hall's green space park area will be entirely enclosed during construction

Environmental Documents and Permits

- Environmental Documentation
 - CEQA – Anticipated Mitigated Negative Declaration (MND)
- LACFCD Permits
 - Major Modification Permit: Required for installing diversion structure within the Arcadia Wash-East Branch.
 - Discharge Permit: Required for discharging treated non-stormwater into an existing LACFCD facility.
- Additional Regulatory Permits
 - Greater LA County Vector Control District: Mosquito abatement review for potential standing water/ponding.
 - SCAQMD Rule 403: Fugitive dust control compliance required during construction activities.
 - USACE Section 404 Permit: Needed if any dredged or fill material is discharged into Arcadia Wash-East Branch.
 - USACE Section 408 Permit: Needed for modification of Arcadia Wash-East Branch to install diversion structure.
 - SWRCB Construction General Permit: Required for soil disturbance over one acre; SWPPP must be prepared.
 - Southern California Edison Design Permit: Required for installation of new electrical service plan
 - City of Arcadia Recreation and Parks Commission – Required for project coordination
 - City of Arcadia Public Works Services Department Encroachment/Construction Permit: Required for projects within city limits
 - City of Arcadia Engineering Division Building and Grading Plan Check Permits: Required to ensure code compliance

Project Details

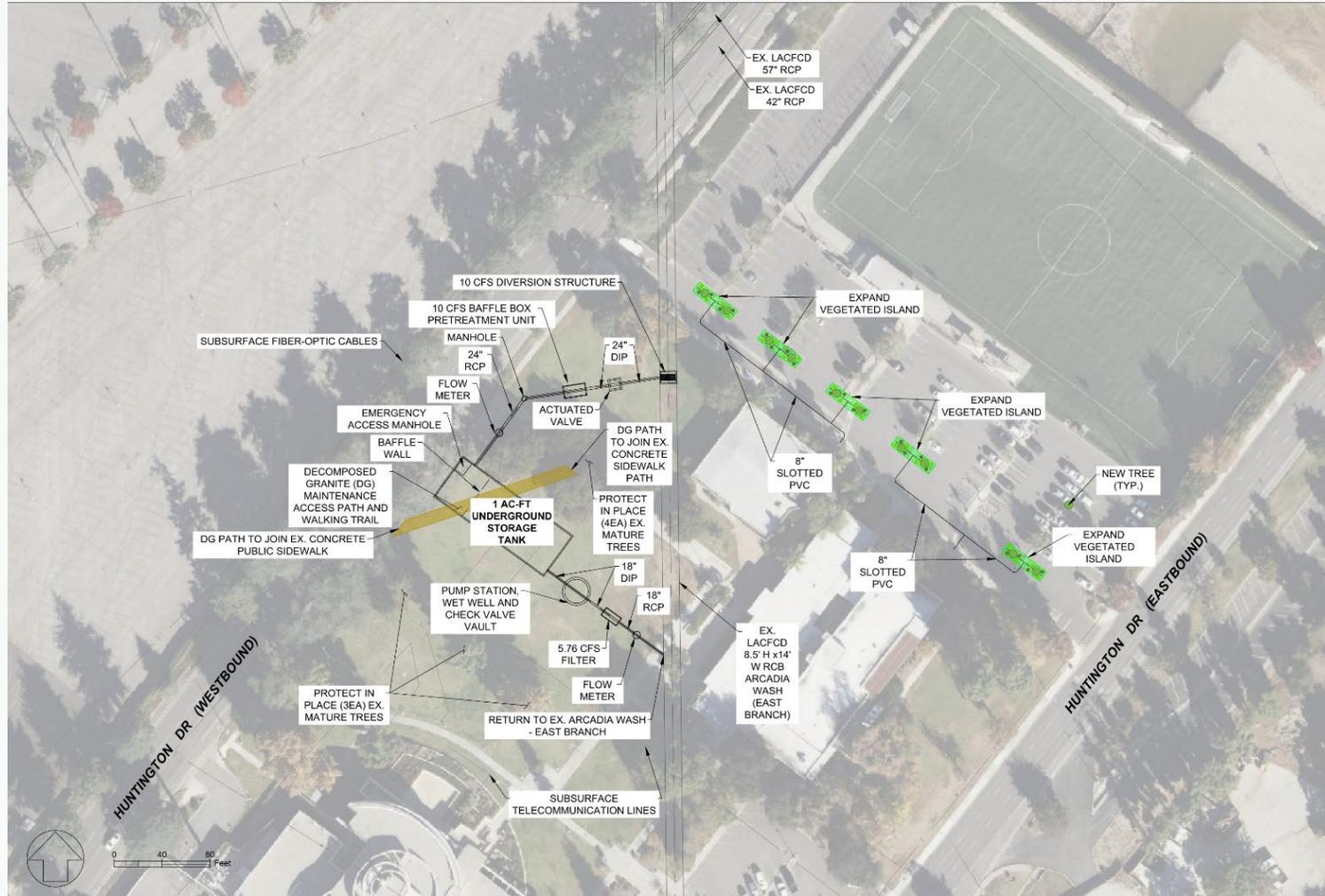
Technical Activities Completed

- Stormwater Capture Strategy Memorandum
 - Covers basis, assumptions, and procedures in identifying alternatives
- Utility Data Review
- Geotechnical Investigation
- Feasibility Study Report

Vector Minimization Measures

- The following are the potential mitigation measures to reduce vectors (and have been accepted by the San Gabriel Valley Mosquito and Vector Control District in other projects).
 - Incorporating best vector control practices.
 - Sealing sumps, vaults, and/or basins that hold water longer than four days
 - Using closed pick hole manhole covers for maintenance manhole covers
 - Tight fitting covers with gaps or holes no greater than 1/16-inch
 - The system includes provisions for rapid dewatering if needed for emergency control of mosquitoes.

Project Schematic



Project Benefits

- **Water Quality** improvement in Rio Hondo Watershed by treating stormwater and urban runoff
- **Nature-Based Solutions** through treatment of parking lot runoff with bioretention planters
- **Park Recreational Enhancements** by adding 10 new trees and other native vegetation will enhance the overall canopy coverage. This project also proposes to renovate existing garden areas throughout Arcadia City Hall which will be paired with interpretive signage providing engaging experiences.



1 AC-FT UNDERGROUND
INFILTRATION GALLERY



NATURE BASED SOLUTIONS

Cost and Schedule

PHASE	DESCRIPTION	COST	COMPLETION DATE
Planning	Feasibility Study	\$100,000	07/2025
Design	Final Design (30/60/90/100)	\$1,047,000	02/2028
Design	Public Outreach during Design	\$50,000	02/2028
Design	Environmental Planning (CEQA) and Permitting	\$105,000	02/2028
Design	Agency Management (Design)	\$70,000	03/2028
Construction	Construction Cost	\$6,977,000	12/2030
Construction	Construction Administration and Design Support	\$698,000	03/2031
Construction	Construction Survey	\$25,000	12/2030
Construction	Agency Management (Construction)	\$105,000	03/2031
TOTAL COST		\$9,177,000	

Cost and Schedule (Continued)

ANNUAL COSTS		LIFE-CYCLE COSTS	
Annual Maintenance Cost	\$205,800	Project Life Span	50 Years
Annual Operation Cost	\$41,425	Total Life-Cycle Cost	\$15,948,678
Monitoring Costs	\$35,000	Annualized Life-Cycle Cost	\$664,697

Cost Share

- Project Funding
 - Planning Phase:
 - The RH/SGRWM JPA funded the Feasibility Study and the preliminary geotechnical testing for this project.
 - Design Phase:
 - Sources for cost sharing are still being identified for the design phase of the project
 - Members of the RH/SGRWM JPA will evaluate the potential use of some of the Municipal Return of the Safe Clean Water Program to provide their cost share of the Design Costs for this project, if deemed necessary over time.
 - Construction Phase:
 - The RH/SGRWM JPA will continue to pursue additional funding sources to support the construction costs of this project.
 - RH/SGRWM JPA will work with the WASC Watershed Coordinator for assistance in seeking additional funding.
- Total Cost Share: \$0
- Leveraged Funding Percentage: 0%

Funding Request

YEAR (FISCAL YEAR)	SCW FUNDING REQUEST	PHASE	EFFORTS DURING PHASE AND YEAR
1 (FY27-28)	Design	\$105,000	Environmental Planning (CEQA) and Permitting
1 (FY27-28)	Design	\$1,047,000	Professional Design Services (30/60/90/100)
1 (FY27-28)	Design	\$50,000	Community Outreach during Design
1 (FY27-28)	Design	\$70,000	Agency Project Management (Design Phase)
TOTAL		\$1,272,000	

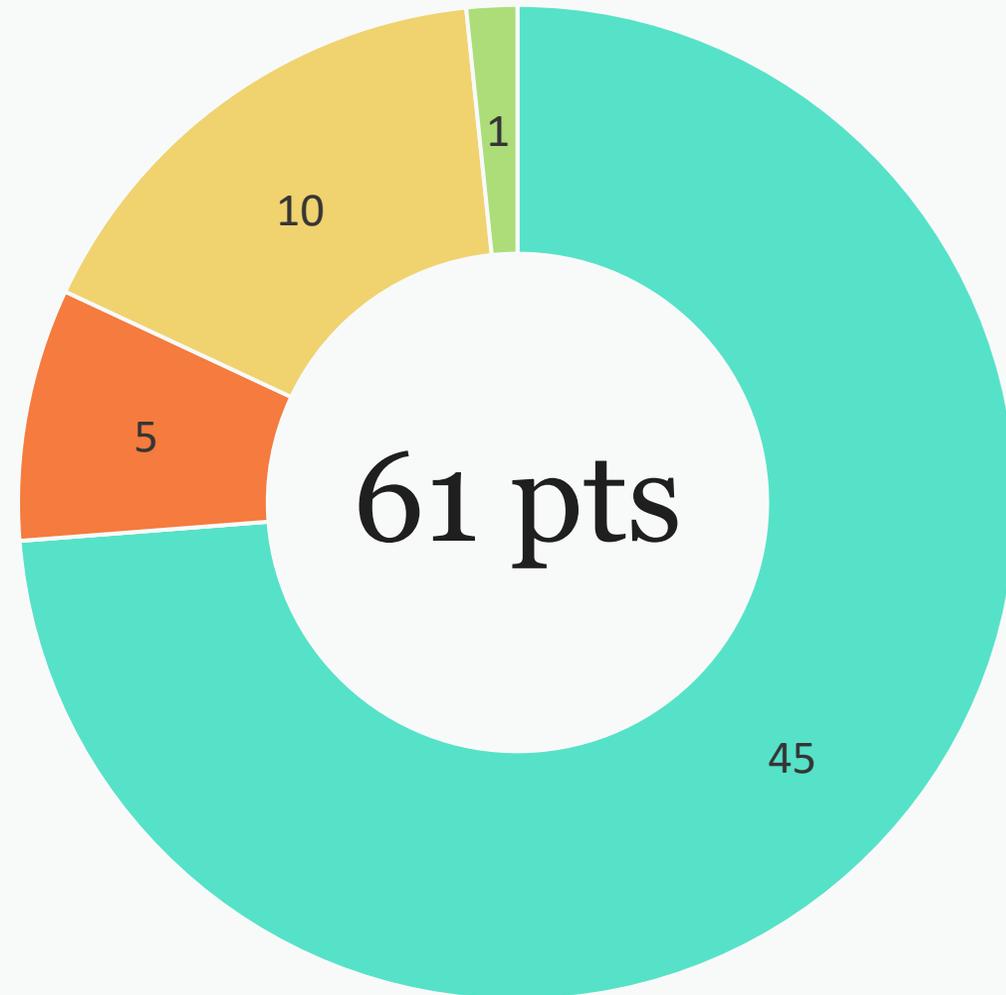
- **Potential Future SCW Funding Request:** Yes, Approximately \$7,805,000 (Construction)

Metrics & Measures

	PROJECT BENEFIT METRICS	METRIC
Improve Water Quality	Zinc load reduction (lbs/year)	77.0
	Total Phosphorous load reduction (lbs/year)	150.0
Increase Drought Prepared-ness	Increase Local Water Supply through Stormwater Capture (ac-ft/year)	0
	Increase local supply through groundwater recharge and storage (ac-ft/yr)	0
Improve Public Health	Net area of park and green space created (acres)	0.4
	Net area of green space at schools created (acres)	0
	Net area of park enhanced or restored (acres)	1.4
	Net area of canopy, cooling, and shading surfaces (acres)	0.072
	Net new trees planted	10
Deliver Multi-Benefit Projects	Net area of habitat created, enhanced, restored, protected (acres)	0.226
Promote Green Jobs & Career	Annual Full Time Equivalent Jobs Created	46.73

Final Score by Scoring Committee

-  Water Quality
-  Water Supply
-  Community Investment Benefits
-  Nature Based Solutions
-  Leveraged Funds and Community Support



* The Scoring Committee confirmed this score on October 20, 2025

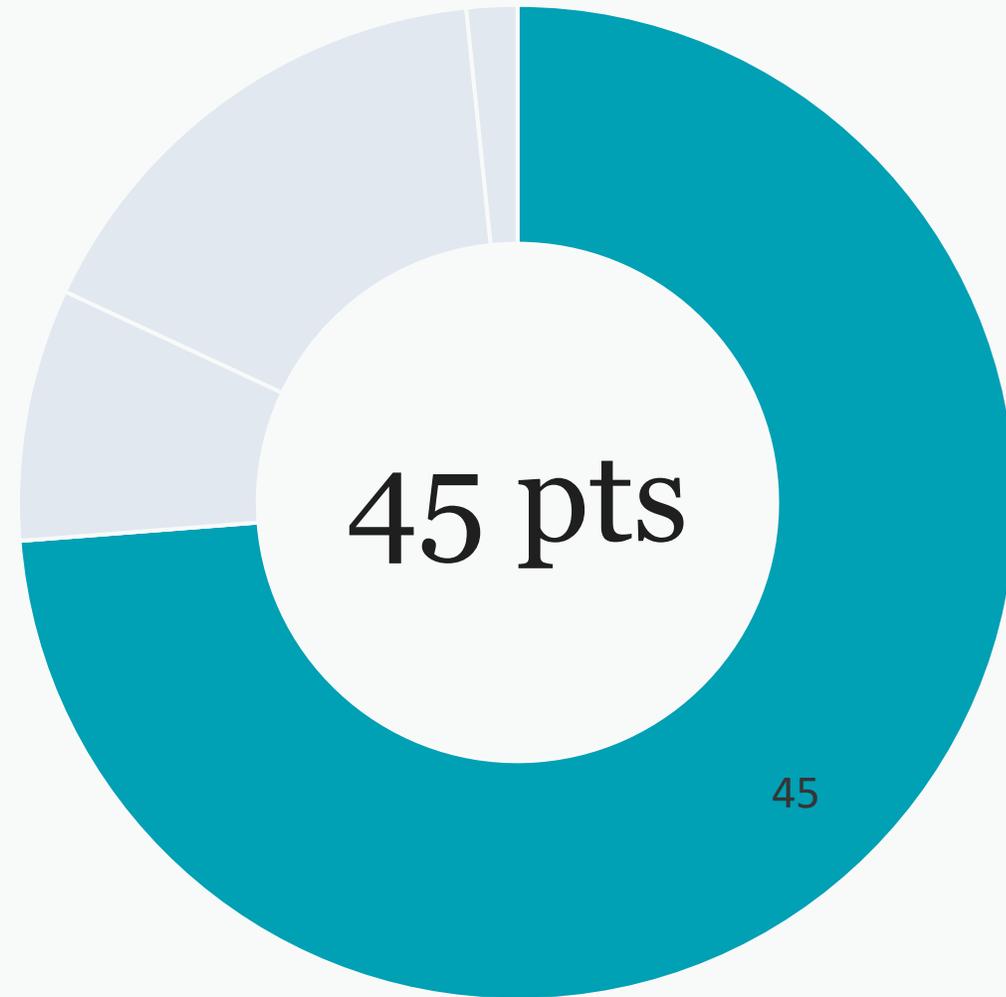
Score Breakdown



Water Quality

This project's water quality section was scored based on the 2025 pilot scoring criteria. The Water Quality Benefit pilot scoring criteria have two parts:

- For wet weather projects, water quality cost-effectiveness (24-hour BMP capacity per capital cost in millions of dollars or AF/\$M): This calculation resulted in a cost-effectiveness metric above 1, yielding a score of **20 points**.
- For wet weather BMPs only, Projects must quantify primary and secondary pollutant reduction concentration:
 - Primary Pollutant Reduction metric calculation resulted in a 65.5% reduction and a corresponding score of **17 points**.
 - Secondary Pollutant Reduction metric calculation resulted in a 70.0% reduction and a corresponding score of **8 points**.
 - **Total Score of 25 points**
- Grand Total of **45 points** for the Water Quality Section



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Score Breakdown

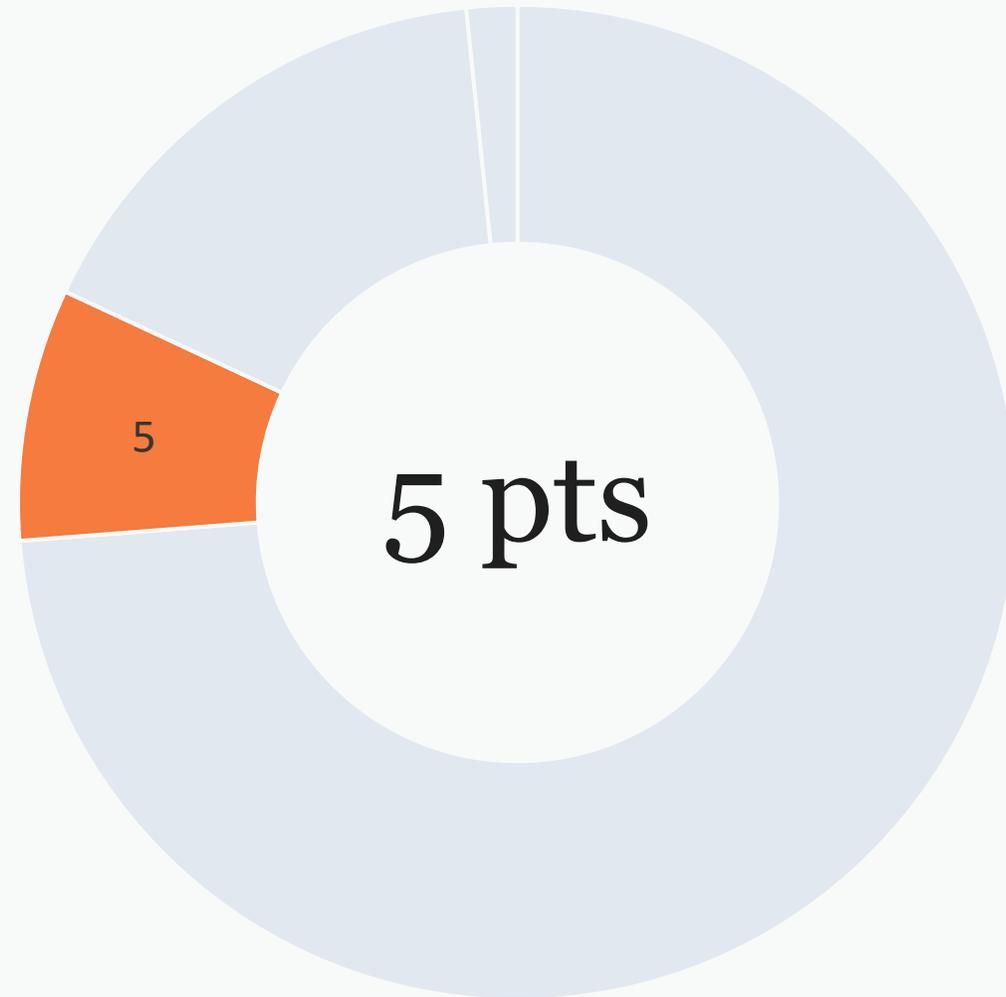


Community Investment Benefits

The project will potentially provide community investment benefits for the following criteria:

- Creation, enhancement, or restoration of parks, habitat, or wetlands
- Enhanced or new recreational opportunities
- Reducing local heat island effect and increasing shade
- Increasing the number of trees increase and/or other vegetation at the site location that will increase carbon reduction/sequestration and improve air quality

Because the project provides four community benefit opportunities, the project received **5 points** for the community investment benefits section.



* The Scoring Committee confirmed this score on October 20, 2025

Score Breakdown

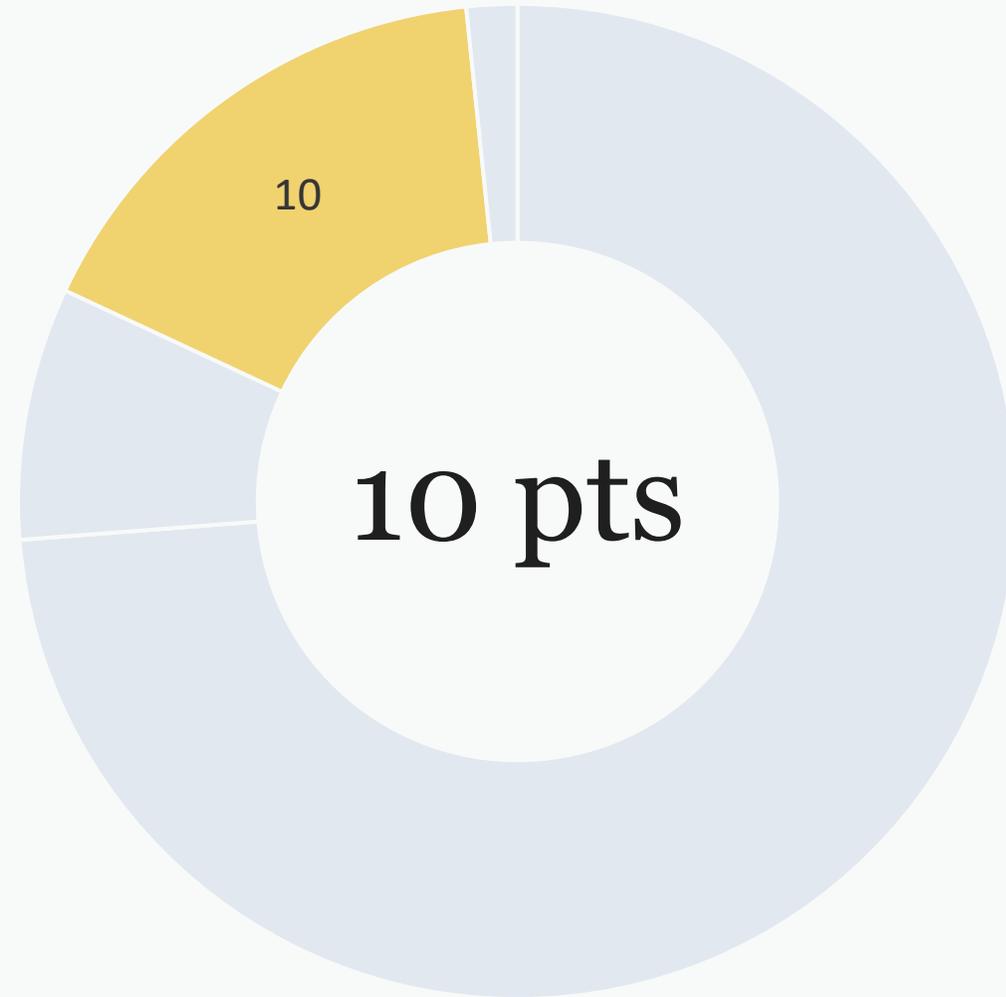


Nature-Based Solutions

The project aims to both implement natural processes as well as increase natural materials such as vegetation.

- **Bioretention** – Planters are designed to capture and treat approximately 48% of site runoff (85th Percentile 24-hour storm) while introducing native trees, shrubs, and grasses.
- **Increased Shade Canopy** – Proposes 10 new trees throughout Arcadia City Halls Parking lot.
- **Undeveloped Floodplain Protection** – This project intends to avoid disturbing exiting native vegetation as well as seven mature trees located near the subsurface gallery construction zone. In addition, the final surface improvements plan to improve existing drainage via bioretention planters and enhance open green space in areas that do not feature native vegetation.

Because two of the requirements are satisfied, the project received **10 points** for the nature-based solutions section.



* The Scoring Committee confirmed this score on October 20, 2025

Score Breakdown



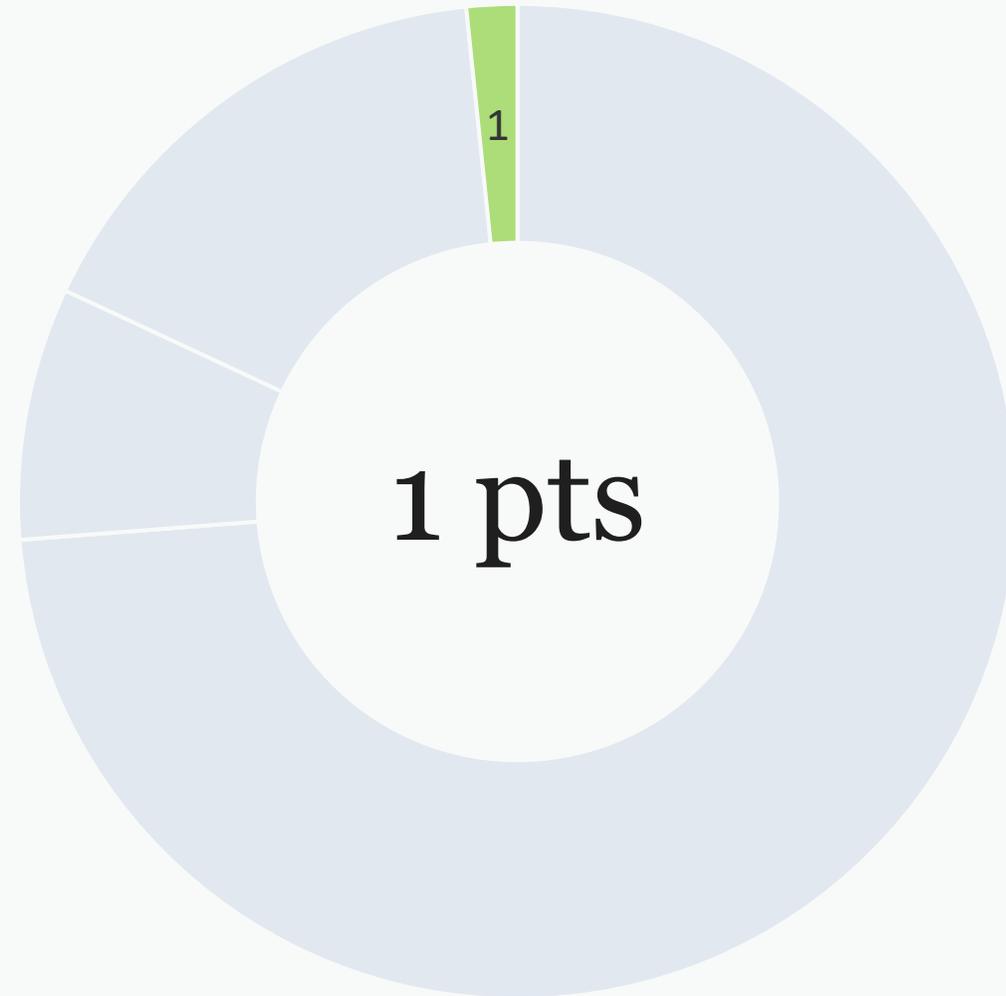
Leveraged Funds and Community Support

This project has garnered community backing, receiving letters of support from 4 local organizations—a reflection of the project’s alignment with community priorities and its ability to deliver meaningful, multi-benefit outcomes.

The RHSGRWM JPA has developed an outreach and engagement plan and will implement the plan during the design phase. This plan consists of:

- **Identifying Target Audience** – Involve local community, NGOs, advocacy groups, etc.
- **Public Connection** – Engage in meaningful conversations with the public to solicit input on project features.
- **Final Product** – Present the final design to project stakeholders and the community for review.

With this, the project received **1 point** under the Community Support section.



* The Scoring Committee confirmed this score on October 20, 2025

Thank you

QUESTIONS?