

Safe, Clean Water Program

Fiscal Year 2020-2021

Stormwater Investment Plan



Stormwater Investment Plan Rio Hondo Watershed Area

The Stormwater Investment Plan (SIP) is an annual five (5) year plan developed by each Watershed Area Steering Committee (WASC) that recommends funding allocations for Projects and Programs in the Regional Program's Infrastructure Program, Technical Resources Program, and Scientific Studies Program.

The purpose of the SIP is to capture recommended programming for the upcoming fiscal year as well as anticipated recommendations for the next four subsequent years.

The following sections include details regarding the recommended SIP:

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Attachments:

- Attachment A – Final Recommended SIP
- Attachment B – List of WASC members
- Attachment C – Summary of DAC Benefits
- Attachment D – Additional details for Infrastructure Program submissions
- Attachment E – Additional details for Technical Resources Program submissions
- Attachment F – Additional details for Scientific Study submissions

Please review the recommended SIP and select one of the following:

<input type="checkbox"/>	Regional Oversight Committee (ROC) concurs with the recommended SIP as-is
<input type="checkbox"/>	Refer to ROC meeting minutes for comments

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1 Summary of Stormwater Investment Plan Recommendations

The Rio Hondo Watershed Area generates up to \$11.54M of anticipated annual Regional Program funds.

For Fiscal Year 2020-2021 (FY20-21), 4 Infrastructure Program Project applications, 2 Technical Resources Project Concepts, and 3 Scientific Studies were submitted for consideration. Two Infrastructure Program Project applications were referred to the Technical Resources Program after the applications were deemed either incomplete or did not meet the Threshold Score. After careful review and consideration, the WASC voted to include both Infrastructure Program Projects, 3 Technical Resource Concepts, 2 Scientific Studies, and 1 Watershed Coordinator into the recommended SIP.

Below is a summary of the total funding allocated per year in the recommended SIP.

Funding Program	(FY 20-21) Budget	(FY 21-22) Projection	(FY 22-23) Projection	(FY 23-24) Projection	(FY 24-25) Projection	TOTAL
Infrastructure Program (≥85%)	\$7.44 M	\$0.27 M	\$4.73 M	\$3.06 M	\$0.00 M	\$15.50 M
Technical Resources Program (<10%)	\$1.10 M	\$0.20 M	\$0.20 M	\$0.20 M	\$0.20 M	\$1.90 M
Scientific Studies Program (<5%)	\$0.27 M	\$0.33 M	\$0.21 M	\$0.00 M	\$0.00 M	\$0.80 M
Grand Total	\$8.81 M	\$0.80 M	\$5.14 M	\$3.26 M	\$0.20 M	\$18.20 M
Percent Allocated*	76%	6%	21%	10%	1%	32%

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2 Summary of Meetings and Process

2.1 Meeting Dates

- November 6, 2019
- December 11, 2019
- January 15, 2020
- January 29, 2020
- February 12, 2020
- February 26, 2020
- March 11, 2020
- March 25, 2020 – Canceled
- May 6, 2020 – held virtually

2.2 Call for Projects

The Call for Projects FY 2019-2020 ended on December 15, 2019. After a check for completeness by District staff, the WASC received an overview of project submittals during the first meeting after the Call for Projects closed. The WASC discussed the Projects and accelerated timeline and voted to send all Infrastructure Projects to the Scoring Committee.

2.3 Scoring

The Scoring Committee evaluated each project submittal and provided an official score based on the scoring criteria defined in the [Feasibility Study Guidelines](#). All Regional Program Projects must meet the Threshold Score of 60 points or more to be eligible for consideration in the Infrastructure Program.

2.4 Presentations

The WASC received presentations from all Regional Program applicants. Each presentation was allotted approximately 10 minutes of presentation time with 5 minutes for questions and answers; additional time for presentation or Q&A was accommodated when necessary. The committee members discussed each application at the conclusion of each presentation.

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2.5 Preliminary Ranking

The WASC discussed each eligible project, project concept, and scientific study as a group. The applications were preliminarily ranked by each committee member, and the scores were aggregated as follows:

Program	Project Name	# of Votes	Score*	Program Place	Overall Place
IP	East Los Angeles Sustainable Median Stor	13	102	1	1
TRP	Arcadia Wash Water Conservation Diversio	11	80	1	2
IP	Baldwin Lake and Tule Pond Restoration P	11	73	2	3
SS	LRS Adaption to Address the LAR Bacteria	11	60	1	4
SS	PreSIP: A platform for Watershed Science	9	54	2	5
TRP	Ranchito Sierra Vista Infiltration Proje	9	41	2	6
SS	Regional Bacteria Scientific Study	8			
TRP	Monrovia USD Campus Green Infrastructure	7		0	
TRP	Vincent Lugo Park Stormwater Capture Fea	7			

*Based on all eligible projects, project concepts, and scientific studies submissions with the top vote received maximum points and each subsequent project received one less point. Projects that did not receive more than half of the committee members votes, did not receive a score.

2.6 SIP Development

The WASC reviewed all available information including, but not limited to, the items listed below. Please refer to the [Project Applications](#) and the WASC webpage on the [Safe, Clean Water website](#) for details.

- Project Applications and Presentations
- Safe Clean Water GIS Reference Map
- SIP Programming Guidelines/Scenarios
- SIP Programming Tool
- Preliminary Rankings

The WASC discussed all available information and received public comments before voting to approve Projects and annual funding allocations into the recommended SIP.

2.7 Summary of Public Comment

The WASC received public comments which are available in the WASC meeting minutes on the [Safe, Clean Water website](#).

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3 Infrastructure Program

3.1 Submitted and Recommended Projects

All projects were evaluated as described above in Section 2 Summary of Meetings. Below is a list of all Projects submitted to the Infrastructure Program for this Watershed Area. Projects shown in blue have been included in the recommended SIP. See Table in Section 3.2.8 for details on any leveraged funds.

Refer to Attachment D and the Project Applications for additional details. All Projects included in the recommended SIP are expected to require additional funding for operations and maintenance for a minimum useful life of 30 years and monitoring for 3-years post-construction.

Project Name	Project Lead	Status	Total SCW Funding Requested	Total Capital Cost	Current Phase
Arcadia Wash Water Conservation Diversion	City of Monrovia	Did not meet threshold score	\$12,664,496.00	\$12,664,496	
Baldwin Lake and Tule Pond Restoration Project	Los Angeles County Public Works/Flood Control District	Included in SIP	\$8,500,000	\$19,540,000	Planning/Design
East Los Angeles Sustainable Median Stormwater Capture Project	Los Angeles County	Included in SIP	\$7,000,000	\$36,840,000	Construction
Ranchito Sierra Vista Infiltration Project	City of Monrovia	Did not pass initial completeness check	\$150,000.00	\$129,187	

3.2 Discussion of Criteria

Per LACFCD Code Ch18.07.B.2, the SIPs shall be developed by the WASC in accordance with the criteria described below.

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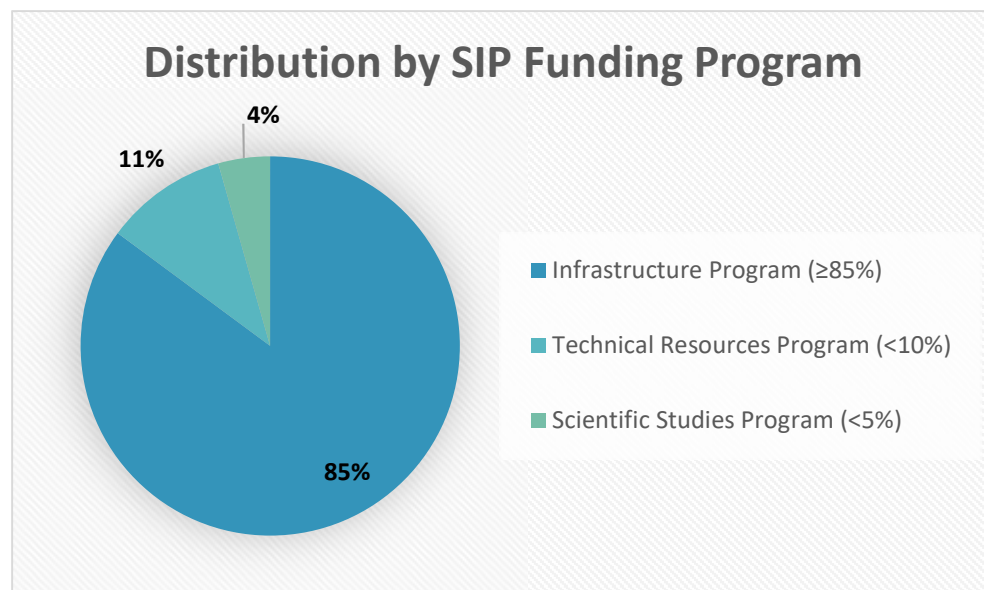


3.2.1 Regional Program Allocations

Compliant with LACFCD Code Ch18.07.B.2.a

Below is a summary of the Regional Program allocations over the 5-year SIP.

Funding Program	Sum of Total SCW Funding Requested FY20-25	Funding Distribution for Subprograms
Infrastructure Program (≥85%)	\$15,500,000.00	85%
Technical Resources Program (<10%)	\$1,900,000.00	11%
Scientific Studies Program (<5%)	\$804,500.00	4%
Grand Total	\$18,204,500.00	



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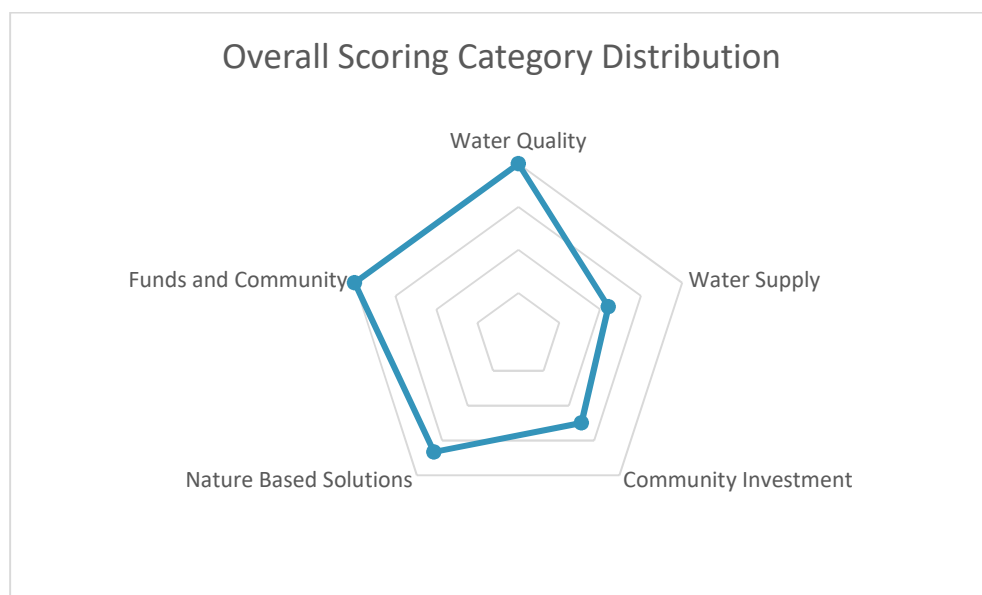


3.2.2 Project Benefits

Compliant with LACFCD Code Ch18.04.E

The Scoring Committee evaluated the benefits provided by each project including Water Quality Benefits, Water Supply Benefits, Community Investment Benefits, Nature-Based Solutions, and Leveraging Funds and Community Support as defined in the Feasibility Study Guidelines.

Below are the overall scoring category distributions for the Infrastructure Program Projects included in the recommended SIP.



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3.2.3 MS4 Compliance

Compliant with LACFCD Code Ch18.07.B.2.b.

Below is an overview of the Water Quality data for the Infrastructure Program Projects included in the recommended SIP. Infrastructure Program Projects that have a Project Type defined as Dry indicate the Project must be designed to capture, infiltrate, treat and release, or divert 100% of all tributary dry weather flows.

Project Name	Project Type	BMP Type	Total Capture Area (acres)	24hr Capacity (ac-ft)	Approved WQ Plan
Baldwin Lake and Tule Pond Restoration Project	Dry	Infiltration Facility	205	0	San Gabriel Valley rWMP
East Los Angeles Sustainable Median Stormwater Capture Project	Dry	Infiltration Well	3000	0	Upper LA River EWMP

Project Name	Primary Pollutant	Primary Pollutant Reduction	Secondary Pollutant	Secondary Pollutant Reduction
Baldwin Lake and Tule Pond Restoration Project	0	0%	0	0%
East Los Angeles Sustainable Median Stormwater Capture Project	0	0%	0	0%

3.2.4 Disadvantaged Communities (DAC) Benefits

Compliant with LACFCD Code Ch18.07.B.2.c.

Both the Baldwin Lake and Tule Pond Restoration and the East Los Angeles Sustainable Median Stormwater Capture Projects were determined by the WASC to provide a DAC benefit. Baldwin Lake and Tule Pond Restoration Project was determined by the WASC to provide a DAC benefit because the Baldwin Lake and Tule Pond Restoration Project is accessible to low-income families during “Free Days” and to Title 1 schools for field trips, offering recreational amenities and open space to DACs. The East Los Angeles Sustainable Median Stormwater Capture Project will provide new recreational and

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educational opportunities to the disadvantaged community of East Los Angeles, within what is currently unused Public right-of-way.

Based on the total Infrastructure Program funding allocations for the SIP and the ratio of the DAC population to the total population in each Watershed Area, funding for Projects that provide DAC benefits over the 5-year SIP shall not be less than the value shown below.

DAC Ratio*	35%
Required Funding for DACs FY 20-25 (110%)	\$5,967,500.00

* These figures are based on the 2016 US Census and will be updated periodically.

Below is a summary of Infrastructure Program Projects that provide DAC benefits.

Project Name	DAC Benefit	Total SCW Funding Allocated FY20-25	Total SCW Funding benefitting DAC FY20-25
Baldwin Lake and Tule Pond Restoration Project	Yes	\$8,500,000.00	\$8,500,000.00
East Los Angeles Sustainable Median Stormwater Capture Project	Yes	\$7,000,000.00	\$7,000,000.00
Grand Total		\$15,500,000.00	\$15,500,000.00
% of funded Projects Benefitting DAC(s)			100%

As shown, the total Safe, Clean Water Program Funds benefitting DAC over a rolling 5-year period for the recommended SIP is greater than the required funding for DACs for this Watershed Area.

3.2.5 Municipality Benefits

Compliant with LACFCD Code Ch18.07.B.2.d.

Municipality benefits cannot be evaluated over a rolling 5-yr period at this time, but Projects were distributed throughout the watershed in order to ensure compliance with this criterion in future years.

Below is a summary of the Municipality in which each Project included in the SIP is located and any other Municipalities receiving benefits claimed by the project applicant.

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Project Name	Municipality in which the Project is located	Other Municipalities Receiving Benefits
Baldwin Lake and Tule Pond Restoration Project	Arcadia	
East Los Angeles Sustainable Median Stormwater Capture Project	Unincorporated	San Gabriel Valley, East Los Angeles, and the Inland Empire. Los Angeles, Pasadena, Baldwin Park, Arcadia, and El Monte. Long Beach

3.2.6 Project Types and Sizes

Compliant with LACFCD Code Ch18.07.B.2.e.

Project types and sizes over a rolling 5-year period cannot be evaluated at this time, but a variety of projects were selected in order to ensure compliance with this criterion in future years.

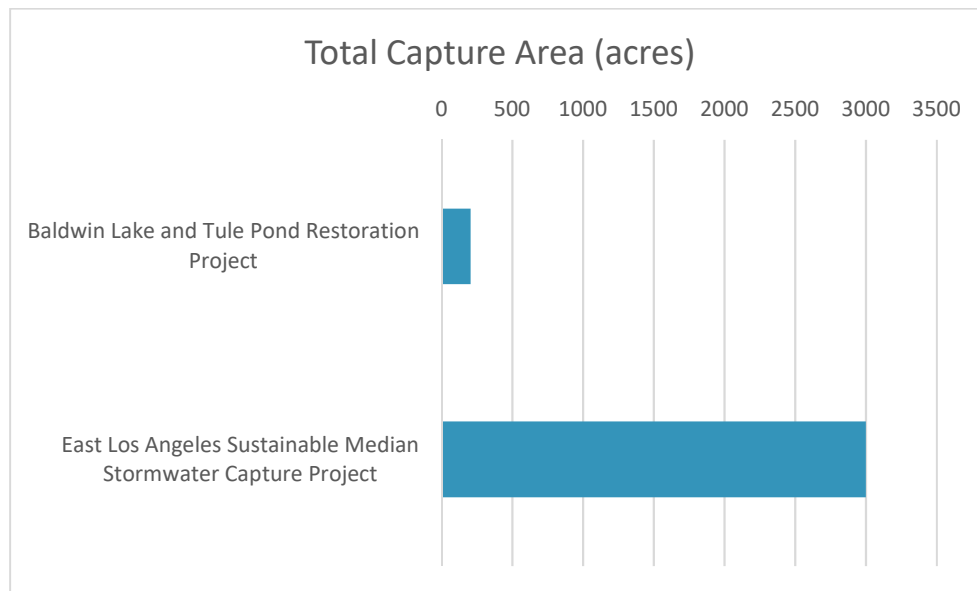
Below is a summary of project types and a graph of the total capture area in acres for the Infrastructure Program Projects included in the recommended SIP.

Project Name	Project Type	EWMP Type	BMP Type
Baldwin Lake and Tule Pond Restoration Project	Dry	Other	Infiltration Facility
East Los Angeles Sustainable Median Stormwater Capture Project	Dry	Green Street	Infiltration Well

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3.2.7 Nature-Based Solutions

Compliant with LACFCD Code Ch18.07.B.2.f.

Below is a summary of Projects included in the SIP that implement Nature-Based Solutions (NBS).

Project Name	NBS Nature Processes	NBS Natural Materials	Vegetation/ Green Space	Increase of Permeability	Protection of Undeveloped Mountains & Floodplains	Creation & Restoration of Riparian Habitat & Wetlands	New Landscape Elements	Enhancement of Soil
Baldwin Lake and Tule Pond Restoration Project	Yes	Yes	Yes			Yes	Yes	
East Los Angeles Sustainable Median Stormwater Capture Project	Yes	Yes	Yes				Yes	

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NBS Natural Processes: Implements natural processes or mimics natural processes to slow, detain, capture, and absorb/infiltrate water in a manner that protects, enhances and/or restores habitat, green space and/or usable open space.

NBS Natural Materials: Utilizes natural materials such as soils and vegetation with a preference for native vegetation.

Public comments letters were received that emphasize that Projects which include Nature-Based Solutions are to be prioritized when programming future SIPs.

3.2.8 Leveraged Funds and Community Support

Below is a summary of leveraged funds, SCW funding allocations, and community support for Projects included in the SIP.

Project Name	Status of Leveraged Funds	Total SCW Funding Requested	Total Leveraged Funds
Baldwin Lake and Tule Pond Restoration Project	Secured	\$8,500,000.00	\$11,040,000.00
East Los Angeles Sustainable Median Stormwater Capture Project	Secured	\$7,000,000.00	\$34,638,780.14
Grand Total		\$15,500,000.00	\$45,678,780.14

Project Name	Community Support Letter(s) Received	Prior Community Engagement
Baldwin Lake and Tule Pond Restoration Project	Arcadia Historical Society Los Voluntarios Pasadena Audubon Society	Community outreach is expected to begin in early 2020
East Los Angeles Sustainable Median Stormwater Capture Project		Outreach efforts will be performed including information sessions, mailers, website, and others.

To help ensure the recommended SIP demonstrates strong local, community support, the WASC reviewed and discussed the level of community engagement to date for Projects included in the SIP, such as past community outreach and support from local non-government organizations and community-based organizations.

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3.2.9 Other Considerations

Not applicable.

4 Technical Resources Program

Per LACFCD Code Ch18.07.D, the purpose of the Technical Resources Program is to provide Technical Assistance Teams to assist with the development of Feasibility Studies and to provide Watershed Coordinators. Refer to Attachment E for additional details.

4.1 Submitted and Recommended Project Concepts

Two Project Concepts were submitted into the Technical Resources Program in this Watershed Area. Two Infrastructure Program Projects were recommended to the Technical Resources Program.

Project Name	Project Lead	Status	Total SCW Funding Requested for this WASC
Arcadia Wash Water Conservation Diversion	City of Monrovia	Included in SIP	\$300,000.00
Monrovia Unified School District Campus Green Infrastructure Development Project	Amigos de los Rios	Not included in SIP	\$300,000.00
Ranchito Sierra Vista Infiltration Project	City of Monrovia	Included in SIP	\$300,000.00
Vincent Lugo Park Stormwater Capture Feasibility Study	City of San Gabriel	Included in SIP	\$300,000.00

A placeholder to fund one Watershed Coordinator for up to \$200k/year was for each position are included in the recommended SIP. The FY20-21 Watershed Coordinator will receive payment for the portion of the fiscal year for which they are hired.

4.2 Discussion

After careful consideration, the WASC voted to include three Technical Resources Program Project Concepts and one Watershed Coordinators in the recommended SIP.

5 Scientific Studies Program

Per LACFCD Code Ch18.07.E, the purpose of the Scientific Studies Program is to provide funding for scientific and technical activities. Refer to Attachment F for additional details.

5.1 Submitted and Recommended Studies

Below is a list of all Projects submitted to the Scientific Studies Program for this Watershed Area. Projects shown in blue have been included in the recommended SIP.

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Project Name	Project Lead	Status	Total SCW Funding Requested for this WASC	Total Project Cost
LRS Adaptation to Address the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	Included in SIP	\$264,500.00	\$250,000
preSIP: A Platform for Watershed Science and Project Collaboration	San Gabriel Valley Council of Governments	Included in SIP	\$540,000.00	\$910,000
Regional Scientific Study to Support Protection of Human Health through Targeted Reduction of Bacteriological Pollution	Gateway Water Management Authority	Not included in SIP	\$790,860.00	\$9,800,000

5.2 Discussion

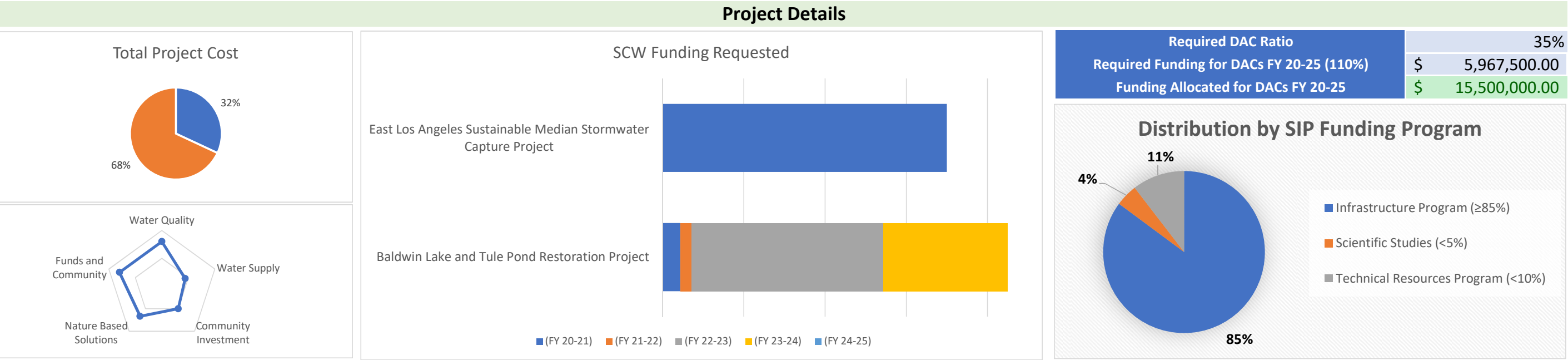
After careful consideration, the WASC voted to exclude the Regional Scientific Study to Support Protection of Human Health through Targeted Reduction of Bacteriological Pollution from the recommended SIP.

6 Next Steps

The WASC request the Regional Oversight Committee (ROC) to advance the recommended SIP to the Board of Supervisors for approval.

Next WASC meeting(s):

- July 1st, 2020 at 9:00am- 11:00am (tentative hold to consider feedback from June 18th or 24th ROC meeting, if needed)



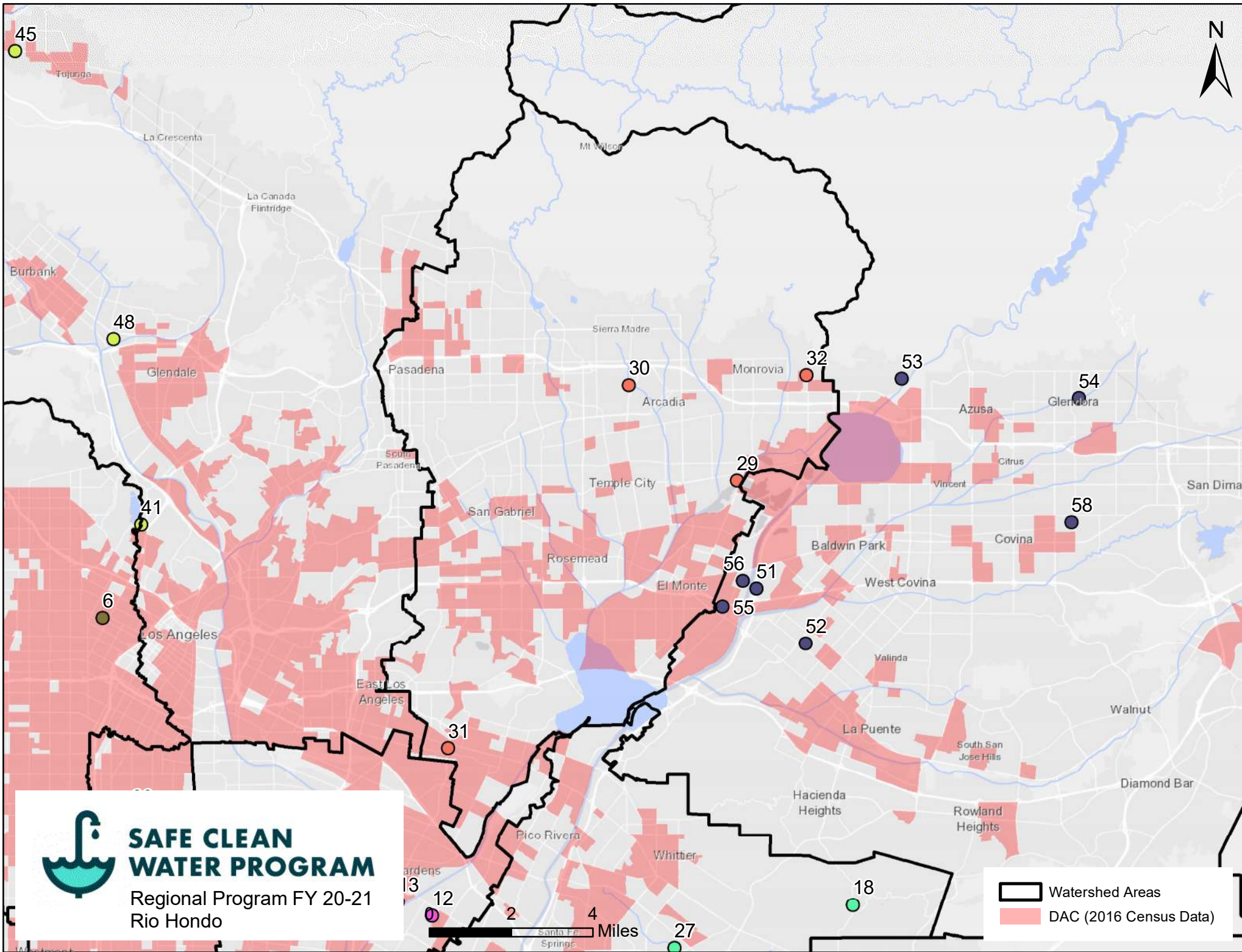
Attachment B
List of WASC Members

Rio Hondo						
Member Type	SD	Position	Member	Affiliation	Alternate	Alt-Affiliation
Agency		FCD	Julian Juarez	FCD	Carolina Hernandez	FCD
Agency		Water Agency	Tom Love	Upper San Gabriel District	Robert O. Tock	Upper San Gabriel District
Agency		Groundwater / Water Agency 2	Kelly Gardner	Main San Gabriel Basin	Tony Zampiello	Main San Gabriel Basin Watermaster
Agency		Sanitation	Kristen Ruffell	Sanitation Districts	Martha Tremblay	Sanitation Districts
Agency		Open Space	Brent Maue	City of Pasadena Department of Public Works		
Community Stakeholder	1	At Large	Thomas Wong	San Gabriel Valley MWD Division 3	Bryan Matsumoto	Nature for All
Community Stakeholder	5	At Large	Michael Hurley	Cal Water		
Community Stakeholder	1	Environment	Mark Hall	Vector Control	Mark Daniel	Vector Control
Community Stakeholder	5	Business	Ron Miller	LA/OC Building Trades		
Community Stakeholder	5	EJ	Daniel Rossman	The Wilderness Society	Liliana Griego	Friends of the Los Angeles River
Municipal Members			David Dolphin	Alhambra	Latoya Waters	Alhambra
Municipal Members			Vanessa Hevener	Arcadia	Eddie Chan	Arcadia
Municipal Members			Mark Lombos	Los Angeles County	Fernando Villaluna	Los Angeles County
Municipal Members			Gloria Crudgington	Monrovia	Sean Sullivan	Monrovia
Municipal Members			Frank Lopez	Monterey Park	Mark A. McAvoy	Monterey Park
Municipal Members			Sean Singletary	Pasadena	Kris Markarian	Pasadena
Municipal Members			<u>James Carlson</u>	Sierra Madre	Chris Cimino	Sierra Madre

Attachment C
Summary of DAC Benefits

SCW.ID	Watershed Area	Project Name	Municipality	Distance From DAC*	DAC Benefit Claimed	Justification of DAC Benefits Provided by the Applicant
29	Rio Hondo	Arcadia Wash Water Conservation Diversion	Monrovia	<0.5 mile	No	
30	Rio Hondo	Baldwin Lake and Tule Pond Restoration Project	Arcadia	<1 mile	Yes	The project site is less than a mile from a DAC that is bounded by the streets of Fairview Avenue, Duarte Road, La Cadena Avenue, and Golden West Avenue. This information is obtained from the CA Department of Water Resources DAC Mapping Tool. This DAC along with many others will be able to benefit from the recreational improvements. The Project will be accessible to low income families through monthly "Free Days" at the Arboretum, or through the Electronic Benefit Transfer project. In addition, over 70 percent of the 285 schools that visited the Arboretum in 2018 were designated as Title 1 schools, with 40 percent of the student body classified as low income.
31	Rio Hondo	East Los Angeles Sustainable Median Stormwater Capture Project	Unincorporated	within DAC	Yes	The project will provide new recreational and educational opportunities to the Disadvantaged Community of East Los Angeles, within what is currently unused Public right-of-way. No ROW acquisition was required for the project, so displacement will be avoided.

*Calculated based on the latitude and longitude provided by the Project applicant relative to the 2016 Disadvantaged Community Census Block Group



ATTACHMENT D
Infrastructure Program Projects

Map Location	Watershed Area	Project Name	Project Lead	Project Type	BMP Type	Approved WQ Plan	Municipality	DAC	Final Score **						Status
									Water Quality	Water Supply	CIB	NBS	Leveraging Funds	TOTAL	
29	Rio Hondo	Arcadia Wash Water Conservation Diversion	City of Monrovia	Wet	Treatment Facility		Monrovia	No	40	0	2	13	0	55	
30	Rio Hondo	Baldwin Lake and Tule Pond Restoration Project	Los Angeles County Public Works/Flood Control District	Dry	Infiltration Facility		Arcadia	Yes	40	0	5	10	10	65	Included in SIP
31	Rio Hondo	East Los Angeles Sustainable Median Stormwater Capture Project	Los Angeles County	Dry	Infiltration Well		Unincorporated	Yes	40	22	5	10	6	83	Included in SIP
32	Rio Hondo	Ranchito Sierra Vista Infiltration Project	City of Monrovia	Wet	Infiltration Well			No						0	
Total															2

**Refer to the Fesibility Study Guidelines for a description of the Scoring Criteria.

Water Quality: Water Quality Benefits (50 points max)

Water Supply: Significant Water Supply Benefits (25 points max)

CIB: Community Investment Benefit (10 points max)

NBS: Nature-Based Solutions (15 points max)

Leveraging Funds: Leveraging Funds and Community Support (10 points max)

TOTAL: Total Score (110 points max)



ATTACHMENT E
Technical Resources Program Projects

Watershed Area	Project Name	Project Lead	Total SCW Funding Requested	Status
Rio Hondo	Arcadia Wash Water Conservation Diversion	City of Monrovia	\$300,000.00	Included in SIP
Rio Hondo	Ranchito Sierra Vista Infiltration Project	City of Monrovia	\$300,000.00	Included in SIP
Rio Hondo	Vincent Lugo Park Stomwater Capture Feasibility Study	City of San Gabriel	\$300,000.00	Included in SIP
Total			\$900,000.00	3

Watershed Area	Position	Cost	Total SCW Funding Requested FY20-21
Rio Hondo	Watershed Coordinator #1	\$200,000.00	1000000
Total		\$200,000.00	\$0.00



ATTACHMENT F
Scientific Studies Programs

Watershed Area	Project Name	Project Lead	Total Funding Requested	Watersheds Studied	Status
Rio Hondo	LRS Adaptation to Address the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	\$250,000.00	RH, ULAR	Included in SIP
Rio Hondo	preSIP: A Platform for Watershed Science and Project Collaboration	San Gabriel Valley Council of Governments	\$910,000.00	RH, ULAR	Included in SIP
Total			\$1,160,000.00		2

* Total funding requested from all Watershed Areas studied.