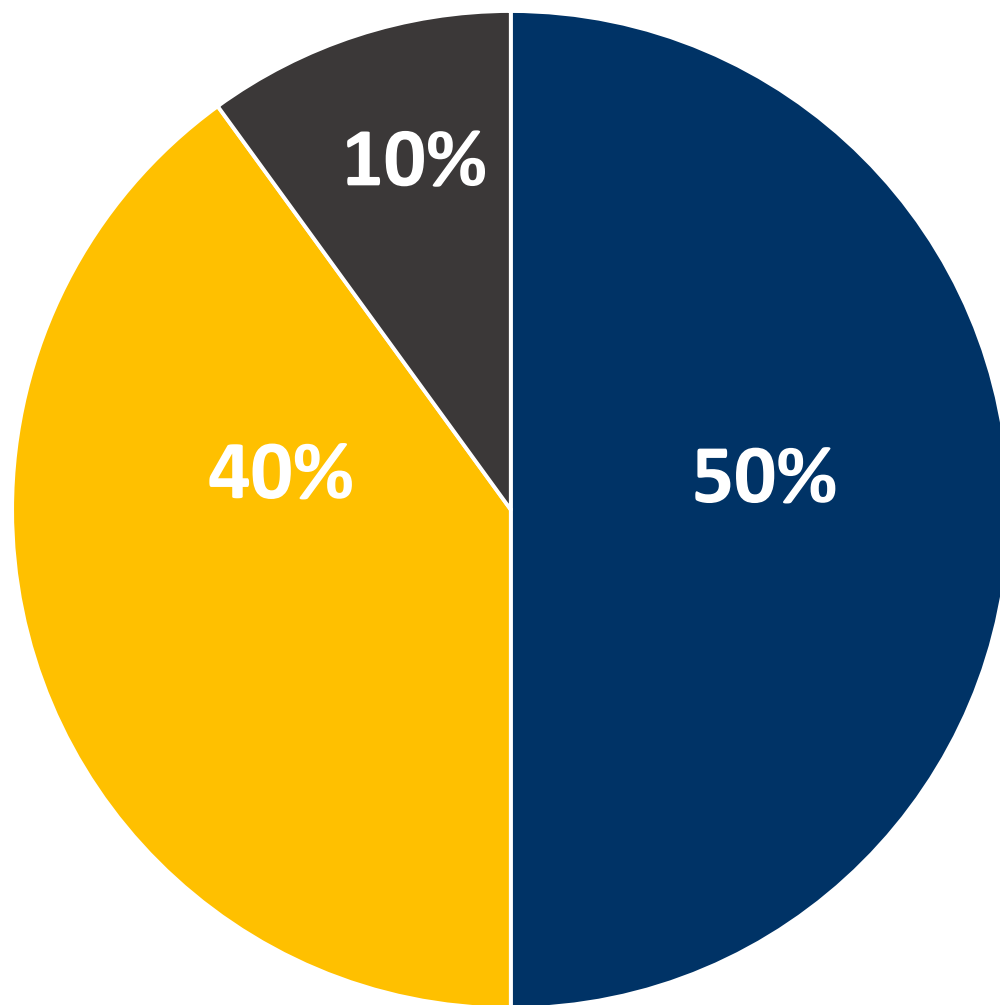




SAFE CLEAN WATER PROGRAM



Safe, Clean Water Program Fund Allocation



■ Regional Program
(50% = ~\$142.5M annually)

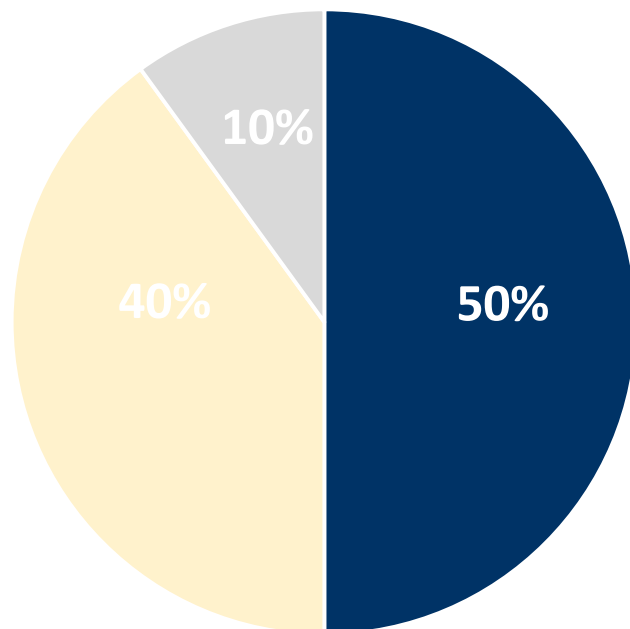
■ Municipal Program
(40% = ~\$114M annually)

■ FCD Program
(10% = ~\$28.5M annually)

Total Program: Approx. \$285M annually)



Regional Program



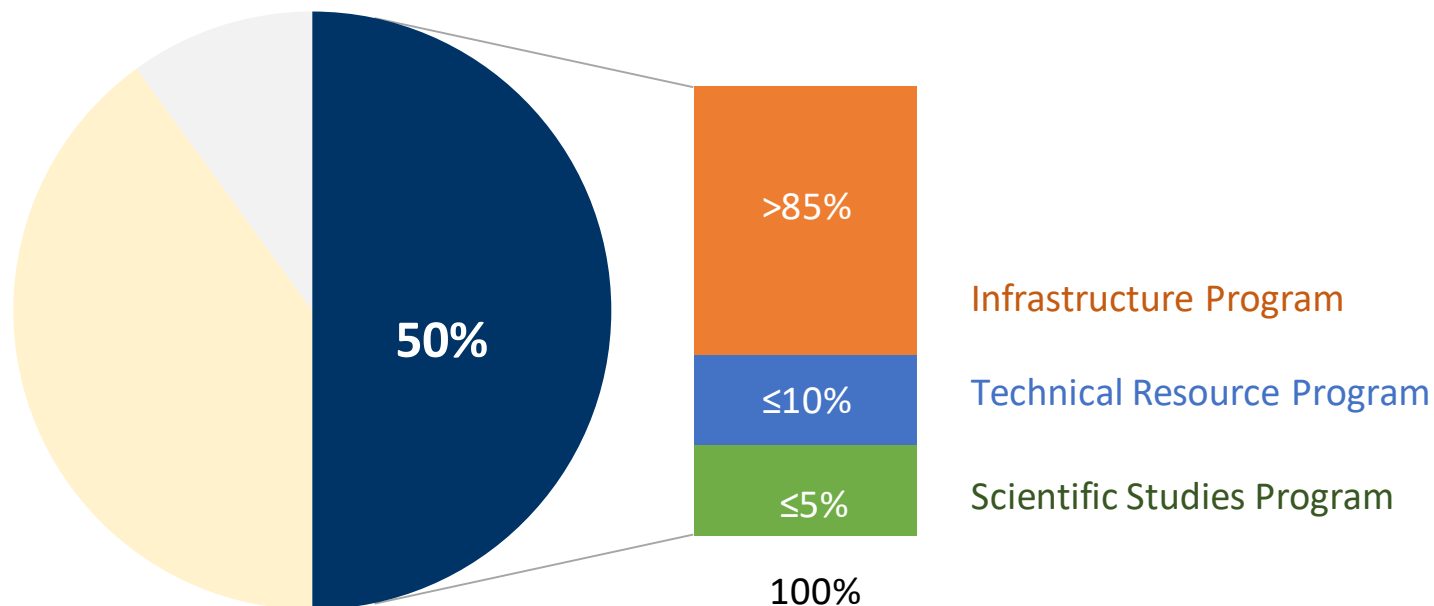
50% Program revenue

Provides funding for Multi-Benefit Watershed-based Projects

WATERSHED AREA	ANNUAL RETURN
Central Santa Monica Bay	\$17.8 Million
Lower Los Angeles River	\$12.8 Million
Lower San Gabriel River	\$16.7 Million
North Santa Monica Bay	\$1.8 Million
Rio Hondo	\$11.5 Million
Santa Clara River	\$6.0 Million
South Santa Monica Bay	\$18.4 Million
Upper Los Angeles River	\$38.6 Million
Upper San Gabriel River	\$18.9 Million



Regional Program



Not less than 85%: Infrastructure Program

- To implement Multi-Benefit watershed-based Projects

Up to 10% Technical Resource Program

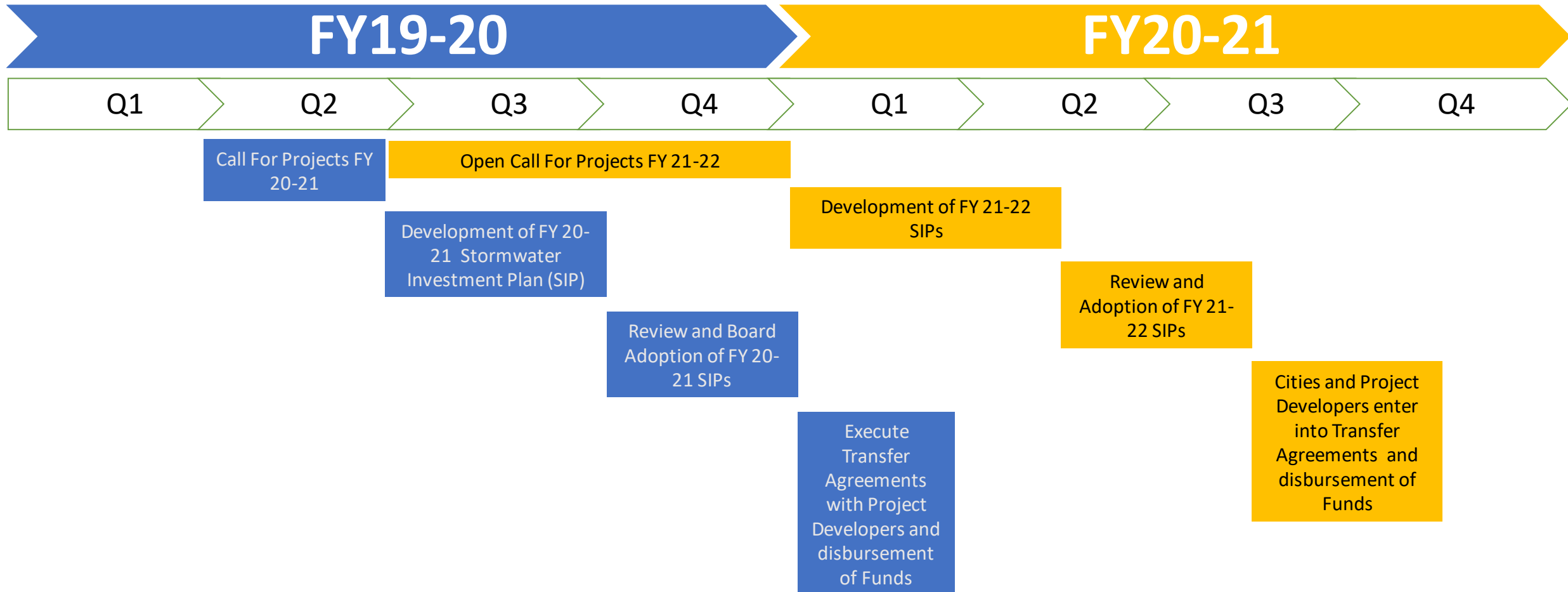
- To provide resources for the development of Feasibility Studies through support from Technical Assistance Teams
- To provide Watershed Coordinators to educate and build capacity in communities and facilitate community and stakeholder engagement

Up to 5%: Scientific Studies

- To provide funding for eligible scientific and other activities

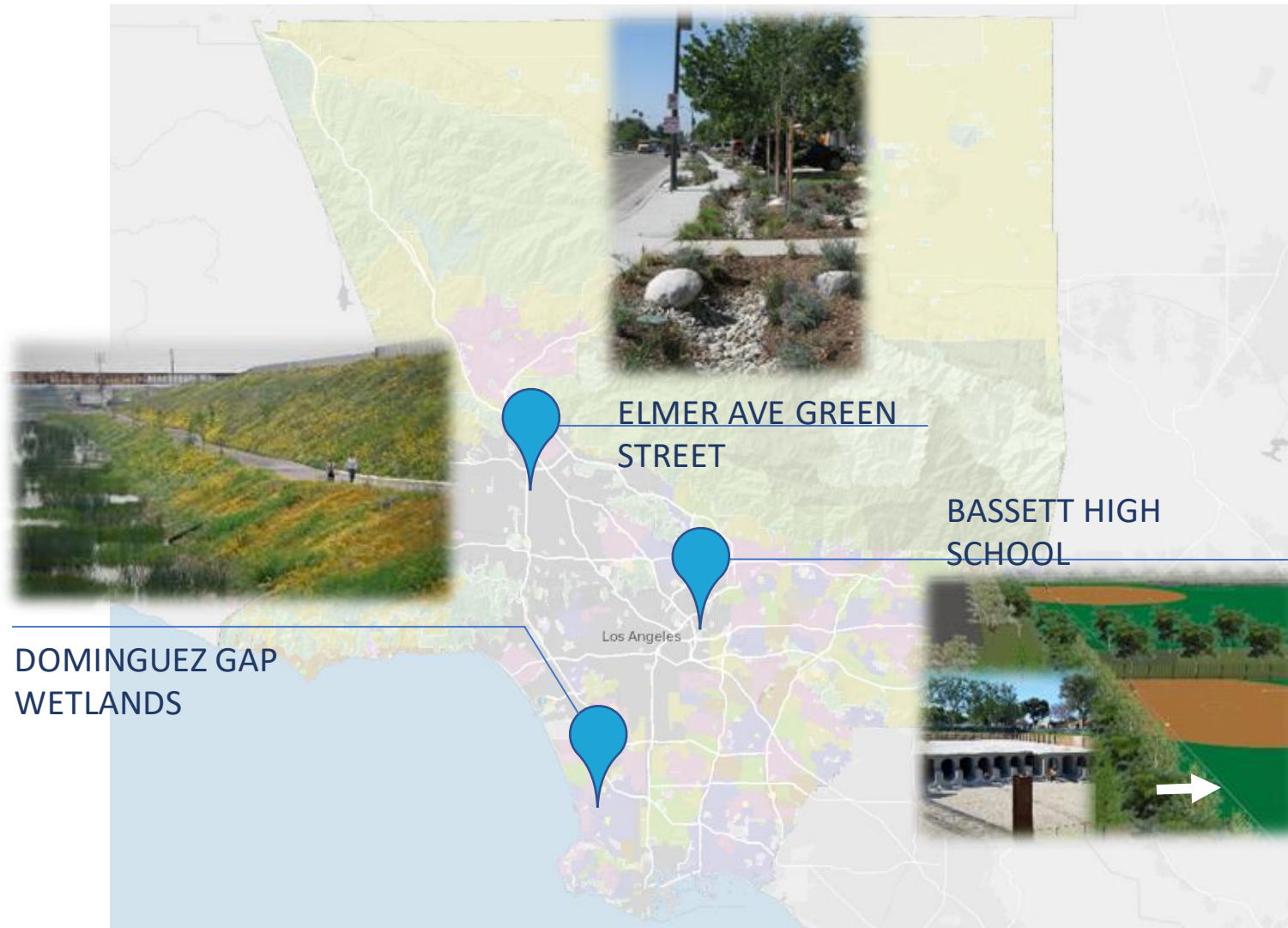


Call for Projects and Timeline



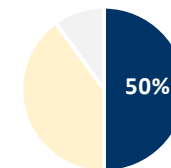


Infrastructure Program – Model Projects





Regional Program-Infrastructure Program



Project Applicants:

- Any entity with a completed Feasibility Study
 - Feasibility Studies funded by Technical Resource Program
- Requires Municipal sponsors (MOU)

Projects and Activities:

- Multi-benefit
- Watershed-based
- Water Quality Benefit plus either or both...
 - Water Supply Benefit
 - Community Investments Benefit
- Projects to be included in an approved water quality plan such as E/WMP, IRWM, and others
- Design, construction, land acquisition, O&M, programs, and other eligible activities



Infrastructure Program - 19 Feasibility Study Requirements

1

Detailed description of the proposed Project

2

Description and estimate of the benefits provided

- Calculated through WMMS in the Project Module

3

Estimated schedule

4

Review of effectiveness of similar types of Projects

5

Monitoring plan



Infrastructure Program - 19 Feasibility Study Requirements

6

Lifecycle cost estimate and schedule

- Calculated in the Project Module. Must include ALL project costs.

7

O&M Plan

8

Engineering analysis

- E.g. soil sampling, geotechnical investigations, hydrology report, etc.

9

Potential CEQA-related and permitting challenges

- Include associated time requirements and cost.

10

Letter of support from the Municipality

- Must include concurrence with the plan for O&M



Infrastructure Program- 19 Feasibility Study Requirements

11

Outreach/engagement Plan

12

Comply with any County-wide displacement goals

13

Vector Minimization Plan

- Recommend review by local vector control district

14

Description of how Nature-Based Solutions are utilized

15

Summary of any legal requirements or obligations



Infrastructure Program- 19 Feasibility Study Requirements

16

Confirmation of conceptual approval from LACFCD

17

Acknowledgement of eligible expenditures

- Only those incurred on or after November 6, 2018

18

Leveraged funds

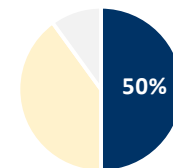
19

Summary of how project will benefit DACs

Refer to **Feasibility Study Guidelines** at **SafeCleanWaterLA.org** for more information



Infrastructure Program-Project Scoring Criteria



**All Regional Program Projects must meet the
Threshold Score of 60 points or more.**

Section	Score Range
A.1 Wet + Dry Weather Water Quality Benefits	50 points max
-OR-	
A.2 Dry Weather Only Water Quality Benefits	40 points max
B. Significant Water Supply Benefits	25 points max
C. Community Investments Benefits	10 points max
D. Nature-Based Solutions	15 points max
E. Leveraging Funds and Community Support	10 points max
TOTAL	110 points



Scoring Criteria – Water Quality Benefits

A.1 Wet + Dry Weather Water Quality Benefits	50 points max	The Project provides water quality benefits				
	20 points max	A.1.1: For Wet Weather BMPs Only: Water Quality Cost Effectiveness (Cost Effectiveness) = (24-hour BMP Capacity) ¹ / (Capital Cost in \$Millions) <ul style="list-style-type: none">• <0.4 (acre feet capacity / \$-Million) = 0 points• 0.4-0.6 (acre feet capacity / \$-Million) = 7 points• 0.6-0.8 (acre feet capacity / \$-Million) = 11 points• 0.8-1.0 (acre feet capacity / \$-Million) = 14 points• >1.0 (acre feet capacity / \$-Million) = 20 points ¹ . Management of the 24-hour event is considered the maximum capacity of a Project for a 24-hour period. For water quality focused Projects, this would typically be the 85 th percentile design storm capacity. Units are in acre-feet (AF).				
	30 points max	A.1.2: For Wet Weather BMPs Only: Water Quality Benefit - Quantify the pollutant reduction (i.e. concentration, load, exceedance day, etc.) for a class of pollutants using a similar analysis as the E/WMP which uses the Districts Watershed Management Modeling System (WMMS). The analysis should be an average percent reduction comparing influent and effluent for the class of pollutant over a ten-year period showing the impact of the Project. Modeling should include the latest performance data to reflect the efficiency of the BMP type. <table><tr><td><u>Primary Class of Pollutants</u></td><td><u>Second or More Classes of Pollutant</u></td></tr><tr><td><ul style="list-style-type: none">• >50% = 15 points• >80%= 20 points (20 Points Max)</td><td><ul style="list-style-type: none">• >50% = 5 points• >80%= 10 points (10 Points Max)</td></tr></table>		<u>Primary Class of Pollutants</u>	<u>Second or More Classes of Pollutant</u>	<ul style="list-style-type: none">• >50% = 15 points• >80%= 20 points (20 Points Max)
<u>Primary Class of Pollutants</u>	<u>Second or More Classes of Pollutant</u>					
<ul style="list-style-type: none">• >50% = 15 points• >80%= 20 points (20 Points Max)	<ul style="list-style-type: none">• >50% = 5 points• >80%= 10 points (10 Points Max)					
- OR -						
A.2 Dry Weather Only Water Quality Benefits	20 points	A.2.1: For dry weather BMPs only, Projects must be designed to capture, infiltrate, treat and release, or divert 100% (unless infeasible or prohibited for habitat, etc) of all tributary dry weather flows.				
	20 points max	A.2.2: For Dry Weather BMPs Only. Tributary Size of the Dry Weather BMP <ul style="list-style-type: none">• <200 Acres = 10 points• >200 Acres = 20 points				

Point thresholds & equations determined based on an extensive stakeholder review of projects

- Any projects
- Projects designed for 0.25-inch rain events or below.
- Must capture, infiltrate, or divert 100% dry weather flows.



Scoring Criteria – Section A1.2

Potential modeling metrics for analysis of long-term pollutant reduction

Long-term pollutant reduction can be calculated in the Project Module through the Watershed Management Modeling System (WMMS).

www.lacountywmms.com

		Pick Any One Primary Pollutant Class and Any One Secondary Pollutant Class		
Pollutant Class	Pollutant Name	Method 1 (% Concentration Reduction)	Method 2 (% Load Reduction)	Method 3 (% Exceedance Day Reduction)
Primary or Secondary	Bacteria	✓	✓	✓
	Metals	✓	✓	
	Toxics		✓	
	Nutrients	✓	✓	
	Chloride	✓	✓	
Secondary	Trash		✓	✓
	Bacteria	✓	✓	✓
	Metals	✓	✓	
	Toxics		✓	
	Nutrients	✓	✓	
	Chloride	✓	✓	
Notes: -The Secondary Pollutant Class includes all primary pollutants with the addition of trash (NOTE: the primary pollutant class cannot be the same as the secondary pollutant class). -Primary and secondary pollutants are pollutants subject to TMDLs for the nearby downstream receiving waters of the project. -Secondary pollutants may also include 303(d)-listed pollutants and pollutants that have been subject to exceedances during recent monitoring programs. -Trash is not considered a valid primary pollutant. For estimate of trash reduction, the analysis can demonstrate equivalence with the Full Capture System definition for 100% reduction.				



Scoring Criteria – Water Supply Benefits

B. Significant Water Supply Benefits	25 points max	The Project provides water re-use and/or water supply enhancement benefits
	13 points max	<p>B1. Water Supply Cost Effectiveness. The Total Life-Cycle Cost² per unit of acre foot of Stormwater and/or Urban Runoff volume captured for water supply is:</p> <ul style="list-style-type: none">• >\$2500/ac-ft = 0 points• \$2,000–2,500/ac-ft = 3 points• \$1500–2,000/ac-ft = 6 points• \$1000–1500/ac-ft = 10 points• <\$1000/ac-ft = 13 points <p>². Total Life-Cycle Cost: The annualized value of all Capital, planning, design, land acquisition, construction, and total life O&M costs for the Project for the entire life span of the Project (e.g. 50-year design life span should account for 50-years of O&M). The annualized cost is used over the present value to provide a preference to Projects with longer life spans.</p>
	12 points max	<p>B2. Water Supply Benefit Magnitude. The yearly additional water supply volume resulting from the Project is:</p> <ul style="list-style-type: none">• <25 ac-ft/year = 0 points• 25 - 100 ac-ft/year = 2 points• 100 - 200 ac-ft/year = 5 points• 200 - 300 ac-ft/year = 9 points• >300 ac-ft/year = 12 points

Typically for spreading facilities or diversions to sanitary sewer for recycled water



Scoring Criteria – Community Investments Benefits

Section	Score Range	Scoring Standards
C. Community Investments Benefits	10 points max	The Project provides Community Investment Benefits
	10 points	<p>C1. Project includes:</p> <ul style="list-style-type: none">• One of the Community Investment Benefits identified below = 2 points• Three distinct Community Investment Benefits identified below = 5 points• Six distinct Community Investment Benefits identified below = 10 points <p>Community Investment Benefits include:</p> <ul style="list-style-type: none">• Improved flood management, flood conveyance, or flood risk mitigation• Creation, enhancement, or restoration of parks, habitat, or wetlands• Improved public access to waterways• Enhanced or new recreational opportunities• Greening of schools• 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.

Explanation must include supporting analysis and information



Scoring Criteria – Nature-Based Solutions

D. Nature-Based Solutions	15 points max	The Project implements Nature-Based Solutions
	15 points	<p>D1. Project:</p> <ul style="list-style-type: none">• 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 = 5 points• Utilizes natural materials such as soils and vegetation with a preference for native vegetation = 5 points• Removes Impermeable Area from Project (1 point per 20% paved area removed) = 5 points

If Nature-Based Solutions are not utilized, include an explanation, with supporting analysis and information, of why it is not feasible to do so.



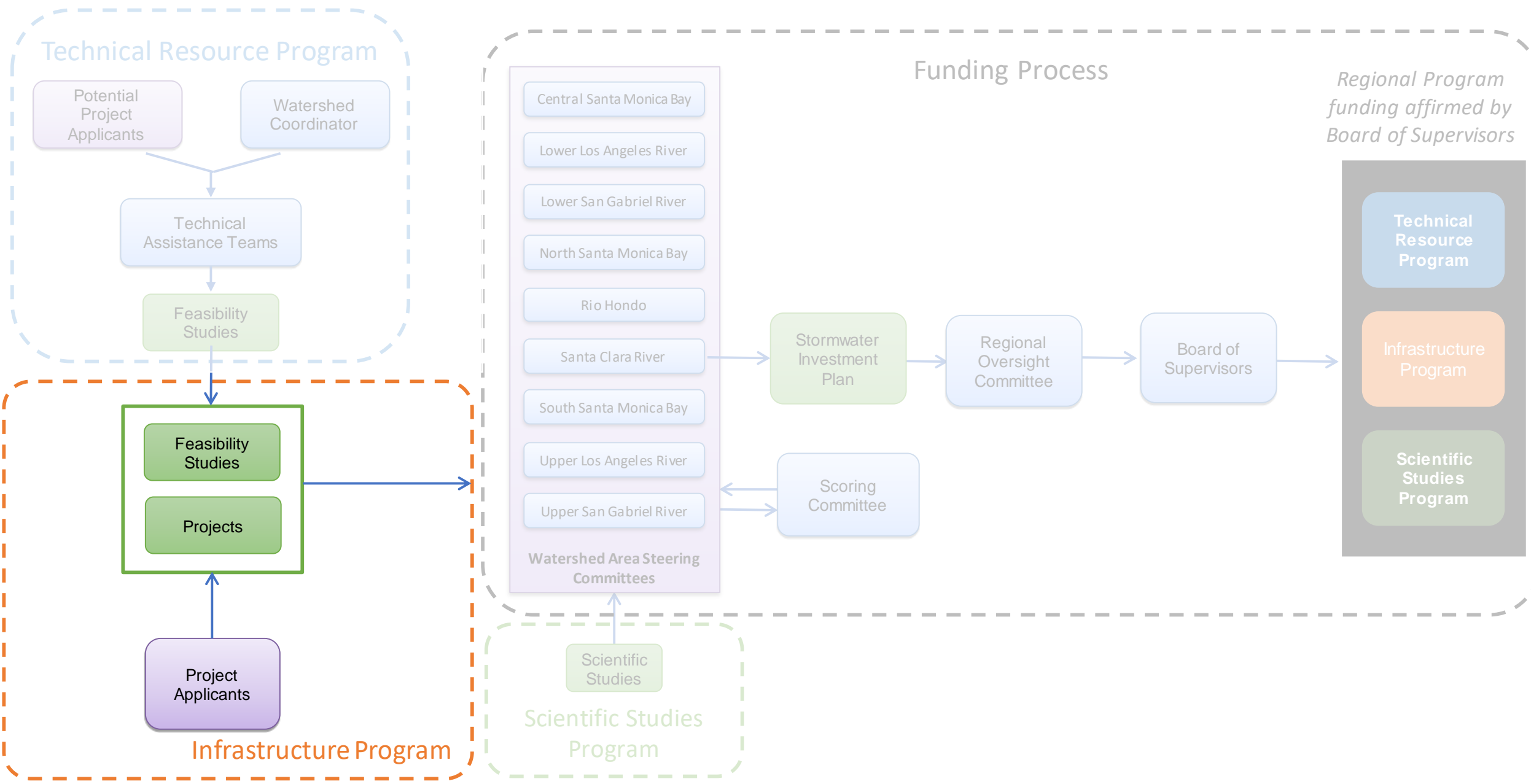
Scoring Criteria – Leveraging Funds

E. Leveraging Funds and Community Support	10 points max	The Project achieves one or more of the following:
	6 points max	E1. Cost-Share. Additional Funding has been awarded for the Project. <ul style="list-style-type: none">• >25% Funding Matched = 3 points• >50% Funding Matched = 6 points
	4 points	E2. The Project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.

Other funding sources could include funds from the SCW Municipal Program

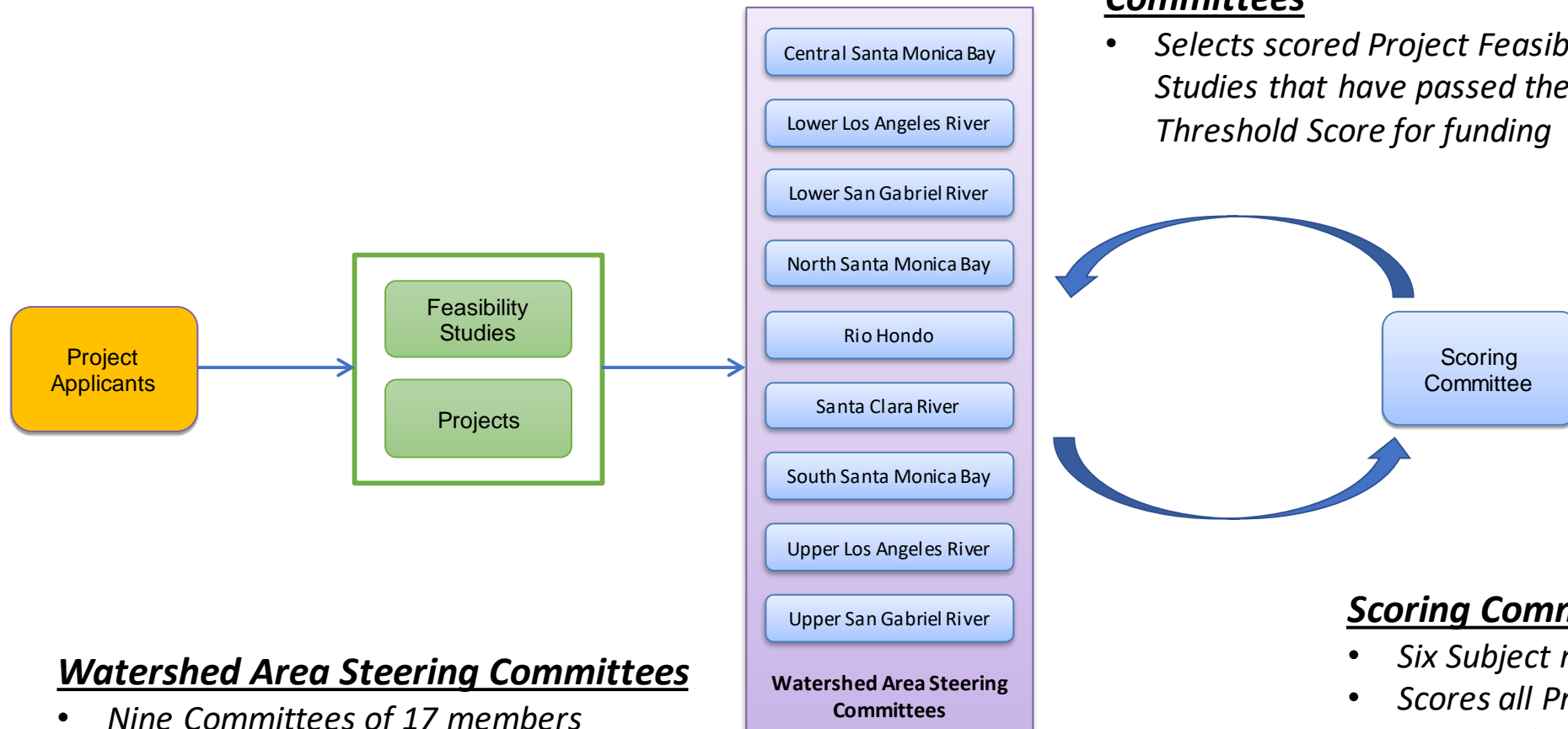
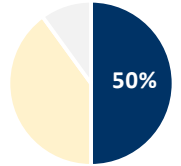


Regional Program – Infrastructure Program





Infrastructure Program -Process



Watershed Area Steering Committees

- Nine Committees of 17 members
- Selects Projects Feasibility Studies for scoring
- Staff support provided by the District

Watershed Area Steering Committees

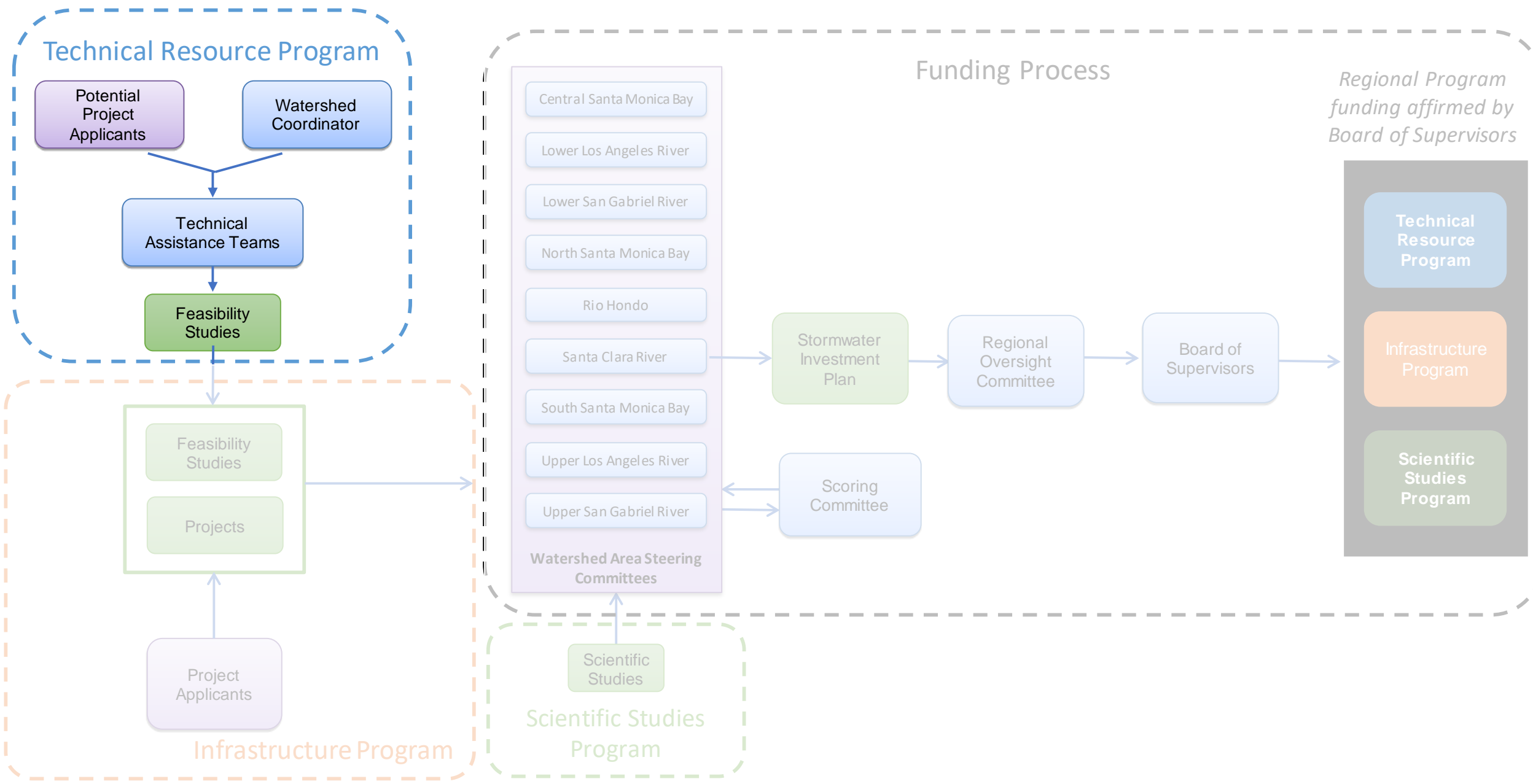
- Selects scored Project Feasibility Studies that have passed the Threshold Score for funding

Scoring Committee

- Six Subject matter experts
- Scores all Project Feasibility Studies selected for scoring
- Staff support provided by the District

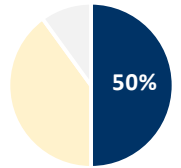
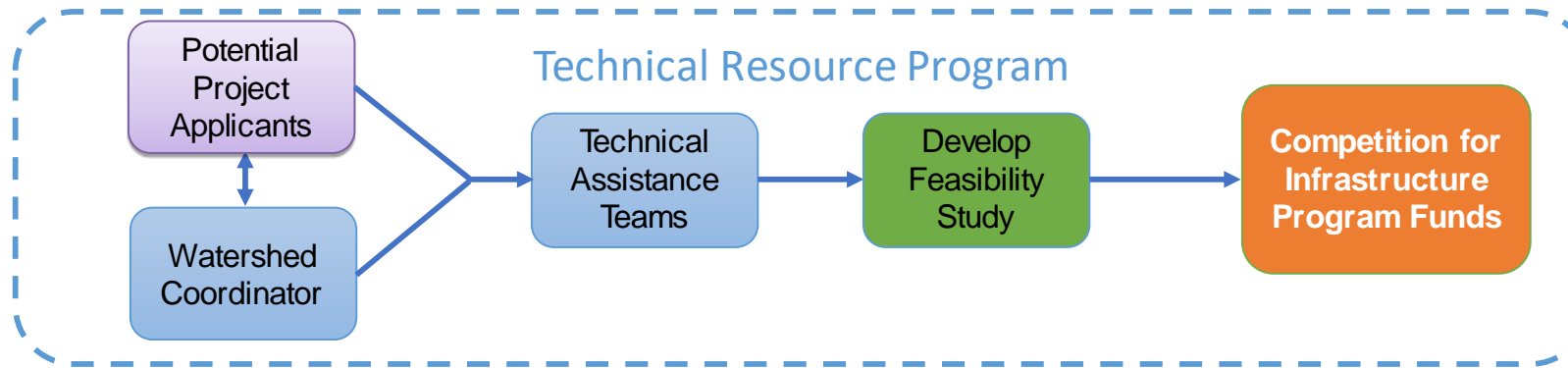


Regional Program – Technical Resources Program





Regional Program-Technical Resource Program



- **Watershed Area Steering Committees select activities/Projects**
- **Technical Assistance Teams provided by the District**

Technical Assistance Teams:

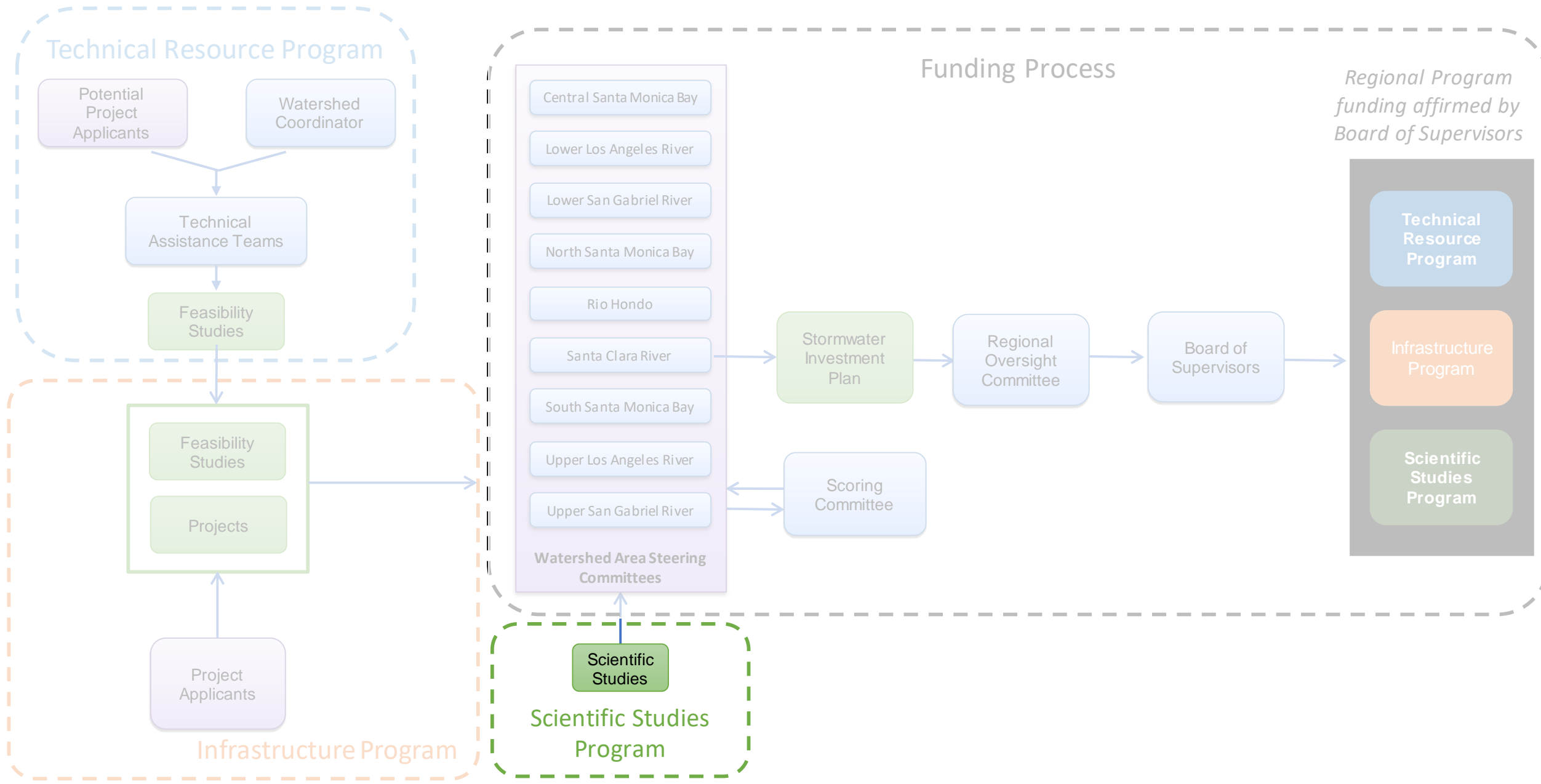
- Comprised of subject matter experts
- Complete Feasibility Studies
 - In partnership with and on behalf of Municipalities, CBO, etc.
 - To compete for funding in the Infrastructure Program

Watershed Coordinators:

- Integrate priorities through extensive networks and partnership opportunities
- Facilitate collaborative decision-making
- Educational workshops
- Networking for communities
- Modeled after the Department of Conservation Watershed Coordinator program.

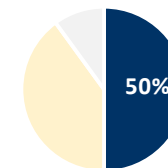
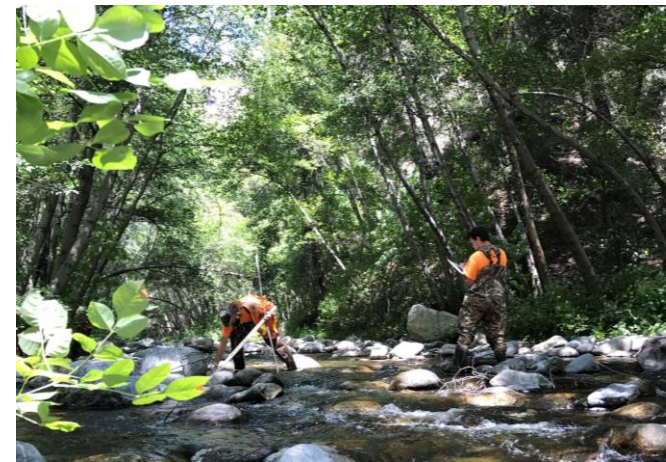


Regional Program – Scientific Studies





Regional Program-Scientific Studies Program



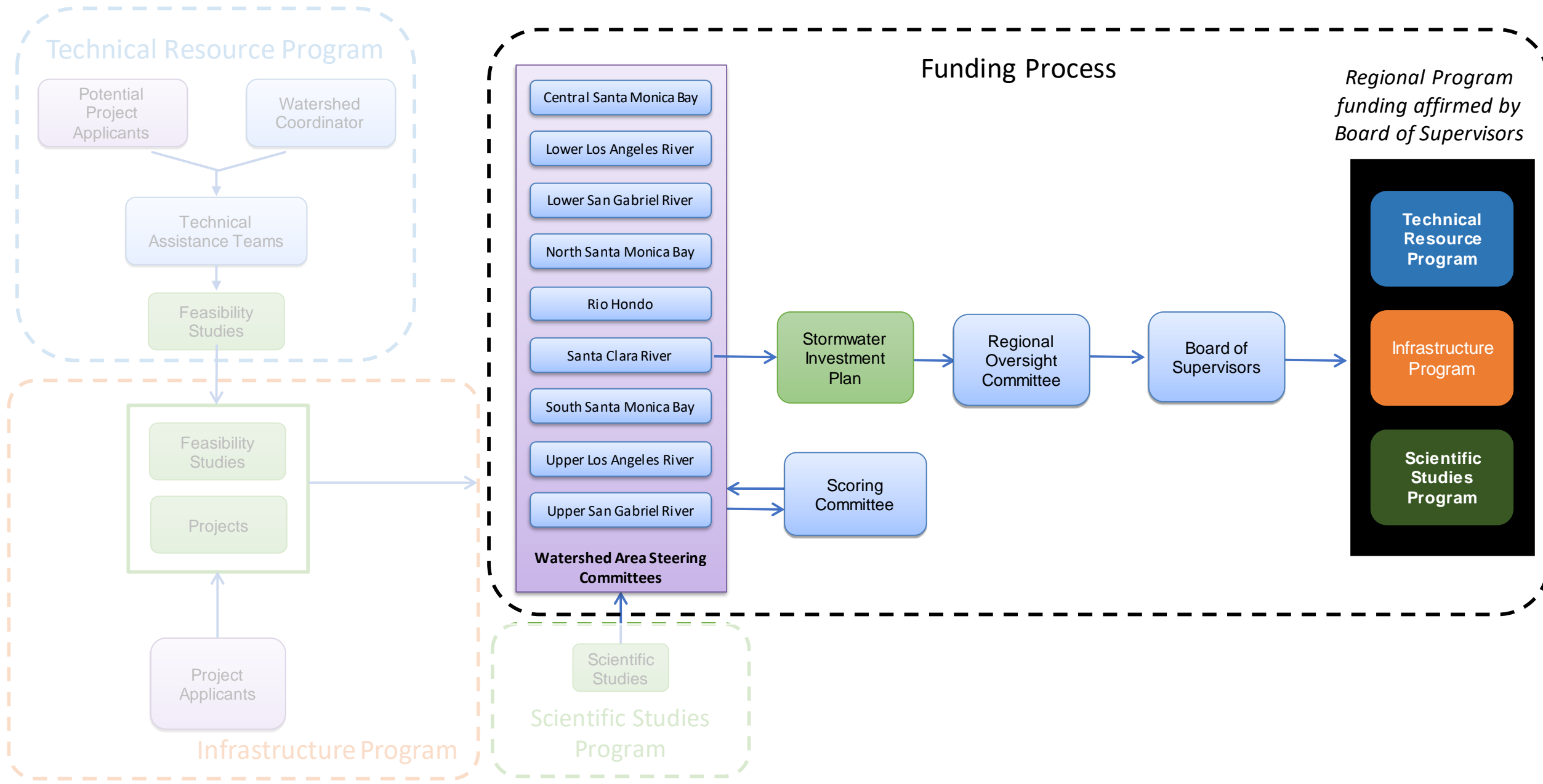
- **Watershed Area Steering Committees select activities/Projects**
- **The District will administer the Scientific Studies Program**

Scientific Studies Program

- To provide funding for eligible scientific and other activities, such as but not limited to:
 - Scientific studies
 - Monitoring
 - Modeling
 - Other similar activities
- Must be related to stormwater and urban runoff capture and pollution reduction



Regional Program – Funding Process





Stormwater Investment Plans

Stormwater Investment Plans:

- 5 year plan
- Assign funding for
 - Infrastructure Program
 - Technical Resource Program
 - Scientific Studies Program
- Budget for current year is transferred to Project Developers subject to the transfer agreement

	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025
	Budget	Projection	Projection	Projection	Projection
PROJECT - FEASIBILITY STUDY DEVELOPMENT					
TECHNICAL RESOURCES PROGRAM (up to 10%)					
Feasibility Studies/Concepts					
Watershed Coordinators					
Technical Assistance Team/Feasibility Study					
Technical Assistance Team/Feasibility Study					
PROJECT - POST-FEASIBILITY STUDY					
INFRASTRUCTURE PROGRAM (not less than 85%)					
Design/Permits/CEQA Budget					
Project					
Project					
Project					
Right of Way Acquisition Budget					
Project					
Project					
Project					
Construction					
Project					
Project					
Project					
O&M					
Project					
Project					
Project					
NON-PROJECT ACTIVITIES					
SCIENTIFIC STUDIES PROGRAM (Up to 5%)					
Special Studies					
Project					
Project					
Monitoring					
Project					
TOTAL =					



Stormwater Investment Plans

Stormwater Investment Plans:

- Conditional funding for full Project cost
- Watershed Area Steering Committees will verify annually:
 - Project schedule, budget, scope and benefits are consistent with initial proposal
- Projects over budget, behind schedule, or reduce scope or benefits may be subject to loss of funding

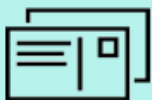
	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025
	Budget	Projection	Projection	Projection	Projection
PROJECT- FEASIBILITY STUDY DEVELOPMENT					
TECHNICAL RESOURCES PROGRAM (up to 10%)					
Feasibility Studies/Concepts					
Watershed Coordinators					
Technical Assistance Team/Feasibility Study					
Technical Assistance Team/Feasibility Study					
PROJECT- POST- FEASIBILITY STUDY					
INFRASTRUCTURE PROGRAM (not less than 85%)					
Design/Permits/CEQA Budget					
Project					
Project					
Project					
Right of Way Acquisition Budget					
Project					
Project					
Project					
Construction					
Project					
Project					
Project					
O&M					
Project					
Project					
Project					
NON-PROJECT ACTIVITIES					
SCIENTIFIC STUDIES PROGRAM (Up to 5%)					
Special Studies					
Project					
Project					
Monitoring					
Project					
TOTAL =					



Questions?



www.SafeCleanWaterLA.org



SafeCleanWaterLA@pw.lacounty.gov



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