



Clear Lake Blue Ribbon Committee

Near-Term Project Abstract: Lake County Storm Water Infrastructure and Program Improvement

Sept 8, 2021

Project Title:

Lake County Storm Water Infrastructure and Program Improvement Project

Project Description:

This project is expected to occur over a 3-5 year period, and will cover both physical storm water structural and source water control (policy and programmatic) for the jurisdictions of County of Lake Community Growth Boundaries, City of Lakeport, City of Clearlake, and the unincorporated areas of Lake County. This project will include approximately 5 tasks (1.0 Project Coordination, 2.0 Infrastructure Assessment and Improvement Planning, 3.0 Storm Water Management Program & Policy Review and Improvement Plan, 4.0 Trash Plan Implementation, 5.0 Outreach and Education. These tasks are estimated by County and City staff to be extremely vital to the proper form and function of a successful storm water management improvement efforts in the entire Lake County.

County and the Clean Water Program can facilitate and coordinate most of the task organization and tracking (Task 1.0). RFPs / RFQs will be required for the majority of work where a consultant is needed (task 2.0, 3.0, some of 4.0) including tasks that will review, audit, and identify improvement strategies to both physical structure upgrades and policy and programmatic updates. Established relationships with CivicSpark Fellowship program can be utilized for task 5.0, outreach and education. Additional products from Task 5.0 Education and Outreach, such as produced materials (i.e. factsheets, curricula, brochures, coloring books, digital educational videos and interactive websites) will be valuable for Blue Ribbon Committee identified Education goals, as identified in 2021 Technical and Socio Economic Sub Committee discussions.

This proposal is very programmatic; no significant storm water capital projects can yet be completed because there have not been the dedicated studied and maintenance to identify where high-impact system improvements can be build that would maximize the nutrient load reduction from the storm water systems, both natural and built. The true effectiveness of a comprehensive and effective storm water management program is consistency and evaluation, especially as systems age, infrastructure degrades or inputs exceed flow accommodations, through pressures and fluctuations caused by natural disasters such as flooding, droughts, wildfire, and other climate change-mediated variations. Lake County has suffered through all types of natural disasters, yet has never been able to update and upgrade storm water infrastructure, programs, or policies.

Task 3.0 Includes the task identified as important by Blue Ribbon Committee members within the 2019 and 2020 list of recommendations for funding in 2021, specifically recommendation #4. Review the implementation of existing Tribal, local, State, and Federal programs, Best Management Practices (BMPs), and other management requirements to limit sedimentation/nutrient loading in the Clear Lake Basin (Page 11, https://resources.ca.gov/-/media/CNRA-Website/Files/Initiatives/Clearlake-BRC/2020-BRC-Annual-Report-20200106_FINAL.pdf)

The total expected cost for this project is currently estimated to be **\$1,601,036.50** including a match from County of Lake Cannabis funds of \$300,000 during the project year and a committed \$200,000 for the 2 years after the project, to demonstrate County commitment and project sustainability. These funds are not yet requested, but they are available and allocated for water protection projects and environmental protection. Blue Ribbon Committee contributions are estimated at **\$1,901,036.50** for a three year project with five year sustainability plan provided by the County and the Clean Water Program (i.e. County of Lake, Watershed Protection District, City of Lakeport, City of Clearlake).

Project Timeline:

Project is expected to occur over a three year period, with estimated start date of Winter 2022. Continuation tasks into 2025-2026 will be included in match funds from County. Project Timeline is broken down by year, with Seasonal indicators for the time of year Project task is expected to be completed. Seasons indicated by W=Jan-March, SP = April – June, SU= July –Sept, F=Oct-Dec.

		2022				2023				2024				2025	2026
Task	Subtask	W	S	S	F	W	S	S	F	W	S	S	F		
1.0 Project Administr ation	1.1 Project Coordination (multiple staff)	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	1.2 Accounting	x	x	x	x	x	x	x	x	x	x	x	x		
	1.3 Legal / County Counsel	x	x	x											
	1.4 Data Collection, Analysis, Summary, Reporting*	x	x	x	x	x	x	x	x	x	x	x	x		
	1.5 Supplies, Office and Field Materials*	x	x	x	x	x	x	x	x	x	x	x	x		
	1.6 Monitoring (nine sites, multiple events, multiple staff)*	x			x	x			x	x			x	x	x
	1.7 Purchase Monitoring Supplies*			x	x			x	x			x	x		
	1.8 Purchase and install Software	x				x				x				x	x
	1.9 Conduct Training			x	x			x	x			x	x	x	x
2.0 Infrstruct ure Assessme nt and Improve ment Planning	2.1 Consultant RFP Development, Selection, Agreements, Meetings, Facilitation	x	x	x											
	2.2 Storm Water System Infrastructure Assessment				x	x	x	x	x						
	2.3 Storm Drain Upgrade Prioritization				x	x	x	x	x						
	2.4 Upgrade Designs and Engineering Plans						x	x	x	x					
	2.5 Final Reporting and Presentations											x	x		

3.0 Storm Water Management P & P Review and Improvement	3.1 Consultant RFP Development, Selection, Agreements, Meetings, Facilitation	x	x	x													
	3.2 Task Coordination (tracking, facilitation, meeting, reporting)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	3.3 Policy Review and Improvement Plan (Ordinance, Storm Water Management Plan)					x	x	x	x	x							
	3.4 Program Review and Improvement Plan (Execution, Implementation of the policy, multiple jurisdictions & departments)					x	x	x	x	x	x	x					
	3.5 Storm Water Improved Policy and Program Reporting and Recommendations (Draft updated ordinance, program needs, O & M funding cost estimation etc.)					x	x	x	x	x	x	x	x	x	x		
4.0 Trash Plan Implementation	4.1 Task Coordination (Trash Workgroup Facilitation)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	4.2 Creek Clean up Events		x		x		x		x		x		x	x	x		
	4.3 Solid Waste Removal and Enforcement (towing, dumping, vessel pick up)* ~higher estimates	x	x	x	x	x	x	x	x	x	x	x	x	x			
	4.4 Adopt a Drain / Street Program	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	4.5 Illicit Discharge, spill response program audit and tracking	x	x	x	x	x	x	x	x	x	x	x	x	x			
	4.6 Purchase Materials and Supplies			x	x			x	x				x	x			
5.0 Outreach and Education	5.1 Task Coordination and Facilitation*	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	5.2 Outreach Coordinator (Interns, Civic Spark Fellows)				x	x	x	x	x	x	x	x					
	5.3 Materials (factsheets, brochures, billboards, signs)				x	x	x	x									
	5.4 Digital marketing (social media, ads)				x	x	x	x	x	x							
	5.5 Stormwater PSA and videos				x	x	x	x	x	x							

Projected Budget: Please see attached budget Sheet.

Task Description (brief- 1 sentence)	Suggested Response Party	Amount
1. Project Administration	County of Lake & Clean Water Program (Co-Permittees City of Clearlake and Lakeport)	Estimated ~\$180, 590

2. Infrastructure Assessment and Improvement Planning	County of Lake will coordinate, work completed by a consultant	Estimated ~ \$322,425
3. Storm Water Management P & P Review and Improvement	County of Lake will coordinate, work completed by a consultant	Estimated ~\$339,200
4. Trash Plan Implementation *	County will coordinate and execute, with assistance from Public Services and other partners	~706,700.00
5. Outreach and Education	County will coordinate with Partners from AmeriCorp and consultants.	~\$179,300
	Subtotal	\$1,728,215.00
	Expected Overhead or Administrative Fees:	(10% Estimated) ~\$172, 821.50
	BRC Projected Total:	~\$1,601,036.50
	Expected Match From County	(\$300,000)
	Project Cost Over 3 year	~\$1,901,036.50
	Project Cost Over 5 years	~\$2,101,036.50

*This component is estimations, still waiting on information from Public Services on Free Dump Day and solid waste removal costs and tracking. Amounts provided are very rough estimates and based on informal conversations with other counties who already have well-established counties.