

ATTACHMENT 4: BUDGET

This Attachment provides a discussion of the budget of each project in the proposal as well as the overall Proposal budget. Each individual project budget is broken down by budget category (per Table 8 of the PSP) and is consistent with Attachment 3 Work Plan and Attachment 5 Schedule.

The project budgets were derived using estimates based on previous but similar work, incurred costs, consultant cost estimates, and approximation of staff time. For those projects that meet the definition of a public works construction project, costs assume payment of prevailing wage and include budget for labor compliance activities. Each project proponent is aware of the responsibilities of data management and performance monitoring, according to their respective project performance monitoring plans; project proponents have accordingly budgeted anticipated costs in their agency operations budgets.

In total, this Proposal is requesting \$2,212,085 in grant funding. This grant funding will be leveraged to fund activities in excess of \$3,700,000. The local match for this Proposal is \$1,490,962, or 40 percent of the total proposal cost. The Proposal is not requesting funding match waiver for DACs.

Project costs were vetted by members of the applicable watershed steering committees and by the broader Westside Sacramento Regional Water Management Group during project selection. Proposed costs were again reviewed and refined using input from economists, engineers, and water resources planners during preparation of this proposal. Costs are reasonable for each project. The summary budget (PSP Table 9) is provided below.

Proposal Budget

Table 4.1: Proposal Budget (PSP Table 9)

Proposal Title: Westside-Sacramento 2015 IRWM Grant Application						
Individual Project Title		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount (\$)	Cost Share: Non-State Fund Source (Funding Match) (\$)	Cost Share: Other State Funding Sources (\$)	Total Cost (\$)	Percent Funding Match (Col b/Col d)
(a)	Project 1. SCWA/Napa Urban/Agricultural Drought Management Project	458,939	492,962	0	951,901	52
(b)	Project 2. LBRID Water Supply Protection and Enhancement Project	1,157,475	861,000	0	2,018,475	43
(c)	Project 3. Lower Putah Creek Sediment Reduction and Watershed Enhancement	415,000	137,000	0	552,000	25
(d)	Project 4. Grant Administration	180,671	0	0	180,671	0
(e)	Proposal Total	2,212,085	1,490,962	0	3,703,047	40
(f)	DAC Funding Match Waiver Total	---	---	---	---	---
(g)	Grand Total	2,212,085	1,490,962	0	3,703,047	40

Project 1. SCWA Urban/Agricultural Drought Management Project

Table 4.2: Project Budget (PSP Table 8)

Project Title: Project 1. SCWA/Napa Urban/Agricultural Drought Management Project						
Project Serves a need of a DAC?: No						
Funding Match Waiver Request?: No						
Category		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount (\$)	Cost Share: Non-State Fund Source (Funding Match) (\$)	Cost Share: Other State Funding Sources (\$)	Total Cost (\$)	Percent Funding Match (Col b/Col d)
(a)	Direct Project Administration	0	21,600	0	21,600	100
(b)	Land Purchase/Easement	N/A	N/A	N/A	N/A	N/A
(c)	Planning/Design/Engineering/Environmental Documentation	0	1,500	0	1,500	100
(d)	Construction/Implementation	458,939	469,862	0	928,801	51
(e)	Grand Total	458,939	492,962	0	951,901	52

Funding Source: SCWA

Budget Category (a): Direct Project Administration

Tasks include Project Management (Task 1) and Reporting (Task 3). Tasks 1 and 3 include Solano County Water Agency (SCWA) staff time estimated for the duration of the project for administration, with an hourly rate of \$60. Administration consists of contract management between SCWA and Napa County Flood Control and Water Conservation District (NCFWCWD), as well as quarterly and final reporting to DWR. Direct Project Administration is less than 3% of the total project cost.

Task	Cost (\$)
Task 1. Project Management	
Subtask 1.1 – Contract Management	
• Staff Project Admin, 200 hours at \$60/hour	12,000
Task 2. Labor Compliance	
N/A	-
Task 3. Reporting	
Subtask 3.1 – Quarterly Reports	
• Staff Project Admin, 10 hours a quarter for 12 quarters at \$60/hour	7,200
Subtask 3.2 – Draft Final Project Report	
• Staff Project Admin, 20 hours at \$60/hour	1,200
Subtask 3.3 – Final Project Report	
• Staff Project Admin, 20 hours at \$60/hour	1,200
Total Cost Budget Category (a)	21,600

Because this Project is not a public works project, Labor Compliance Monitoring (Task 2) is not applicable to this Project.

Budget Category (b): Land Purchase/Easement

This task is not applicable to this project.

Budget Category (c): Planning/Design/Engineering/Environmental Documentation

Tasks include developing the Project Performance Monitoring Plan (Task 9). The Project Performance Monitoring Plan cost is estimated based on a verbal quote provided by Kennedy/Jenks Consultants for preparation of the plan.

Task	Cost (\$)
Task 5. Feasibility Studies	
N/A	-
Task 6. CEQA Documentation	
N/A	-
Task 7. Permitting	
N/A	-
Task 8. Design	
N/A	-
Task 9. Project Performance Monitoring Plan	
• Consultant Fee Estimate for Plan	1,500
Total Cost Budget Category (c)	1,500

This project is not considered a project under CEQA [CEQA Guideline 15378] and will not result in any significant environmental impacts. Moreover, this project does not require any permits or regulatory approvals for implementation. In addition, this Project is a continuation of existing efforts and SID Agricultural WUE programs. Therefore, Tasks 5, 6, 7, and 8 are not applicable for this project.

Budget Category (d): Construction/Implementation

This budget category includes costs for Contract Services (Task 10) and Construction/Implementation Activities (Task 12). Contract Services have already been completed and were completed by SCWA staff. Cost for Implementation Activities (Task 12) are based on the actual total rebate values for the duration of the Project, and existing rebate administration and installation costs.

Task	Cost (\$)
Task 10. Contract Services	
Subtask 10.1 – Third-Party Contracting	
• Contract Procurement Process -Actual Cost	5,000
Task 11. Construction Administration	
N/A	-
Task 12. Construction/Implementation Activities	
Subtask 12.1 – Program Outreach	
• 1% of Task 12 Activities	9,147
Subtask 12.2 a-c – Rebate Implementation	
• HET/U rebate for \$100 for 75 units and 0.75 hours staff time/unit at \$60/hour	10,875
• HEW rebate for \$150 for 650 units and 0.75 hours staff time/unit at \$60/hour	126,750
• HEL rebate for \$1/sq. ft. of turf for 325,000 sq. ft. and 4 hours staff time/site at \$60/hour for 325 sites	565,000
Subtask 12.3 – HET/U Direct Install	
• Direct install for 650 units, bulk contractor time 0.5 hours/unit at \$60/hour	172,250
Subtask 12.4 – Agricultural Weather Station	
• Contractor quote for procurement and installation of Campbell Scientific Weather Station	15,000
• System integration, testing, 160 hours staff time at \$60/hour	9,600
Subtask 12.5 – Agricultural Soil Moisture Sensors/Meters	
• Contractor quote for procurement of 26 sets at \$187.20/set of 4 sensors and \$219.00/meter	8,939
• Installation and training for 26 applicants, 4 hours staff time/applicant at \$60/hour	6,240
Total Cost Budget Category (d)	928,801

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Project 2. LBRID Water Supply Protection and Enhancement Project

Table 4.3: Project Budget (PSP Table 8)

Project Title: Project 2. LBRID Water Supply Protection and Enhancement Project					
Project Serves a need of a DAC?: Yes					
Funding Match Waiver Request?: No					
Category	(a)	(b)	(c)	(d)	(e)
	Requested Grant Amount (\$)	Cost Share: Non-State Fund Source (Funding Match) (\$)	Cost Share: Other State Funding Sources (\$)	Total Cost (\$)	Percent Funding Match (Col b/Col d)
(a) Direct Project Administration	0	16,500	0	16,500	100
(b) Land Purchase/Easement					
(c) Planning/Design/Engineering/Environmental Documentation		139,500		139,500	100
(d) Construction/Implementation	1,157,475	705,000	0	1,862,475	38
(e) Grand Total	1,157,475	861,000	0	2,018,475	43

Source of Funding Match: Clean Water SRF Agreement No. 13-824-550, February 2014.

Budget Category (a): Direct Project Administration

Tasks include Project Management (Task 1), Labor Compliance (Task 2) and Reporting (Task 3). Tasks 1, 2, and 3 include Napa County staff time estimated for the duration of the project, for an administrator with an hourly rate of \$75.

Task	Cost (\$)
Task 1. Project Management	
Subtask 1.1 - Contract Management	
• Staff Project Admin, 80 hours at \$75/hour	6,000
Task 2. Labor Compliance	
• Staff Project Admin, 80 hours at \$75/hour	6,000
Task 3. Reporting	
Subtask 3.1 - Quarterly Report	
• Staff Project Admin, 10 hours per quarter for 2 quarters @ \$75/hour	1,500
Subtask 3.2 - Draft Final Project Report	
• Staff Project Admin, 20 hours at \$75/hour	1,500
Subtask 3.3 - Final Project Report	
• Staff Project Admin, 20 hours at \$75/hour	1,500
Total Cost Budget Category (a)	16,500

Budget Category (b): Land Purchase/Easement

This task is not applicable to this project.

Budget Category (c): Planning/Design/Engineering/Environmental Documentation

This budget category includes costs for CEQA Documentation (Task 6), Permitting (Task 7), Design (Task 8) and Project Performance Monitoring Plan (Task 9). Task 5, Feasibility Studies, has been previously completed as part of the project development process and related costs are not being included in this budget. CEQA documentation costs are costs for the force main upgrades and backwash reuse system. Environmental permitting for the Sewer Lift Station Upgrades was previously determined to be CEQA Categorically Exempt during Phase 1 of the improvements. Permitting is based on anticipated fees and NCFWCWD staff time for acquisition of anticipated permits, including County

of Napa encroachment permit, San Francisco Regional Water Quality Control Board Construction General Permit, and State Water Resources Control Board Division of Drinking Water Permit Amendment. County building and electrical permits will be waived. Design costs were provided by West Yost Associates for Phase 2 wastewater facilities improvements and by Napa County staff for the backwash reuse system. The Project Performance Monitoring Plan cost is estimated based on a verbal quote provided by Kennedy/Jenks Consultants for preparation of the plan.

Task	Cost (\$)
Task 6. CEQA Documentation	
• Consultant Cost Estimate	5,000
• Filing Fee	2,000
Task 7. Permitting	
• Napa County Pipeline Encroachment Permit Fee	250
• Napa County Building Permit Fee	Waived
• Napa County Electrical Permit Fee	Waived
• SFWROCB Construction General Permit Fee	500
• Amendment to Domestic Water Supply Permit Fee	5,000
• Staff time, 80 hours at \$75/hour to prepare permits	6,000
Task 8. Design	
• Consultant Contract for Lift Station	57,750
• Consultant Contract for Force Main Design	28,000
• Consultant Contract for Backwash Reuse System Design	30,000
Task 9. Project Performance Monitoring Plan	
• Consultant Fee Estimate for Plan	5,000
Total Cost Budget Category (c)	139,500

Budget Category (d): Construction/Implementation

This budget category includes costs for Contract Services (Task 10), Construction Administration (Task 11) and Construction/Implementation Activities (Task 12). Contract Services will be performed in-house by NCFCWCD staff. The Construction Administration budget was provided by an engineering consultant and amounts to 5% of construction costs. Construction costs are estimated at a total of \$1,750,000 for the lift station improvements, force main upgrades, and backwash reuse system installation. These costs were provided by West Yost Associate for the lift station improvements and force main upgrades and from Napa County Engineering staff for the backwash reuse system.

Task	Cost (\$)
Task 10. Contract Services	
• Staff Project Admin, 333 hours @ \$75/hour	24,975
Task 11. Construction Administration	
• 5% of Construction Costs	87,500
Task 12. Construction/Implementation	
Subtask 12.1 - Lift Station Improvements	
• Engineer's Estimate	975,000
Subtask 12.2 - Sewer Force Main Upgrade	
• Engineer's Estimate	650,000
Subtask 12.3 - Install Backwash Reuse System	
• Engineer's Estimate	125,000
Total Cost Budget Category (d)	1,862,475

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Project 3. Lower Putah Creek – Watershed Infiltration and Invasive Species Removal for Integrated Regional Water Management Project

Table 4.2: Project Budget (PSP Table 8)

Project Title: Project 1. SCWA/Napa Urban/Agricultural Drought Management Project						
Project Serves a need of a DAC?: No						
Funding Match Waiver Request?: No						
Category	(a)	(b)	(c)	(d)	(e)	
	Requested Grant Amount (\$)	Cost Share: Non-State Fund Source (Funding Match) (\$)	Cost Share: Other State Funding Sources (\$)	Total Cost (\$)	Percent Funding Match (Col b/Col d)	
(a) Direct Project Administration	0	30,000	0	30,000	100	
(b) Land Purchase/Easement	N/A	N/A	N/A	N/A	N/A	
(c) Planning/Design/Engineering/Environmental Documentation	0	75,000	0	75,000	100	
(d) Construction/Implementation	415,000	32,000	0	447,000	7	
(e) Grand Total	415,000	137,000	0	552,000	25	

Project Match Funding Source:

- Lower Putah Creek Coordinating Committee - Fish and Wildlife monitoring
- Solano County Water Agency - Regulatory compliance

Budget Category (a): Direct Project Administration

Tasks include Project Management (Task 1) and Reporting (Task 3). Tasks 1 and 3 include Solano County Water Agency (SCWA) staff time estimated for the duration of the project for administration. Administration consists of contract management between SCWA and Yolo County Flood Control and Water Conservation District (Yolo County Flood), as well as quarterly and final reporting to DWR. Direct Project Administration is 5% of the total project cost.

Task	Cost (\$)
Task 1. Project Management	
• Staff Project Admin, 250 hours at \$100/hour (match)	25,000
Task 2. Labor Compliance	
N/A	-
Task 3. Reporting	
• Staff Project Admin, 50 hours at \$100/hour (match)	5,000
Total Cost Budget Category (a)	30,000

Because this Project is not a public works project, Labor Compliance Monitoring (Task 2) is not applicable to this Project.

Budget Category (b): Land Purchase/Easement

Task 4 (Land Purchase/Easement) is not applicable to this Project as there are already property owner access and maintenance agreements in place.

Budget Category (c): Planning/Design/Engineering/Environmental Documentation

Tasks include Permitting (Task 7) and Project Performance Monitoring Plan (Task 9). Permitting cost is estimated based on the time needed for Environmental Compliance Reporting.

Task	Cost (\$)
Task 5. Feasibility Studies	
• Monticello Fire Watershed Erosion Potential Analysis Report, Consultant Cost (match)	36,000
• Pleasants Creek Assessment, Consultant Cost (match)	19,000
Task 6. CEQA Documentation	
Complete	-

Task	Cost (\$)
Task 7. Permitting	
• Assistant Streamkeeper, Cal Fish and Wildlife Routine Maintenance Agreement compliance, 200 hours @ \$80/hour (match)	16,000
Task 8. Design	
N/A	-
Task 9. Project Performance Monitoring Plan	
• Consultant Estimate (match)	4,000
Total Cost Budget Category (c)	75,000

Project feasibility studies were completed as part of the project development process. Project activities are CEQA Exempt and/or covered by existing permits and CEQA filings. Moreover, this project does not require any permits or regulatory approvals for implementation for infiltration enhancement and there are already permits in place for invasive weed removal in Putah Creek. In addition, weed control work design is based on prior surveys and requires clearing trails into thickets with an excavator or loader followed by a spray rig. Field design will be conducted as part of Task 12. Therefore, Tasks 5, 6, and 8 are not applicable for this project.

Budget Category (d): Construction/Implementation

This budget category includes costs for Construction Administration (Task 11) and Construction/Implementation Activities (Task 12). Cost for Implementation Activities (Task 12) are based on equipment rental costs, material cost, and labor estimates derived from previous work conducted in multiple locations including Lake Tahoe, Santa Cruz, and other locations throughout the West Coast. All construction/implementation labor to be provided by SCWA staff.

Task	Cost (\$)
Task 10. Contract Services	
N/A	-
Task 11. Construction Administration	
• Staff Project Admin, 400 hours at \$125/hour	50,000
Task 12. Construction/Implementation Activities	
Subtask 12.1 – Weed Control	
• Equipment Operator, 500 hours @ \$45/hour; Excavator, 200 hours @ \$125/hour; Loader, 200 hours @ \$50/hour; Sprayer, 200 hours @ \$25/hour	62,500
• Intern, 500 hours @ \$20/hour	10,000
• Herbicide: 4,000 stems of invasive plants @ \$3.00/stem injection (match); 80 net acres of Arundo/ Himalayan Blackberry @ \$250/acre (match)	32,000
Subtask 12.2 – Erosion Control	
• Equipment Operator, 400 hours @ \$45/hour; Excavator, 300 hours @ \$125/hour; Loader, 100 hours @ \$50/hour	60,500
• Intern, 400 hours @ \$20/hour	8,000
• Compost, 5,000 cubic yards(CY) @ \$15/CY; Wood Chips, 2,500 CY @ \$15/CY; Native Grass Seed, 500 pounds (lbs) @ \$40/lbs	132,500
Subtask 12.3 – Bank Erosion Site Grading	
• Equipment Operator, 200 hours @ \$45/hour; Excavator, 200 hours @ \$125/hour; Loader, 200 hours @ \$50/hour	44,000
• Intern, 200 hours @ \$20/hour	4,000
• Compost, 1,000 CY @ \$15/CY; Wood Chips, 500 CY @ \$15/CY; Native Grass Seed, 150 lbs @ \$40/lb	28,500
Subtask 12.4 – Revegetation	
• Equipment Operator, 50 hours @ \$45/hour; Loader, 50 hours @ \$50/hour	4,750
• Intern, 200 hours @ \$20/hour	4,000
• Native Plants, 1-gallon-sized, 1,000 @ \$5/plant and 250 cc plugs, 500 @ \$2/plant; Native Wildflow Seed Mix, 100 lbs @ \$2.50/lb	6,250
Total Cost Budget Category (d)	447,000

The project will be supervised by the same professionals who conducted initial assessments and ranked project sites by comparative analysis. Professional services contracts are awarded based on qualifications with these specific techniques, without need for competitive bid. Therefore, Contract Services (Task 10) is not applicable to this Project.

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Project 4. Grant Administration

Table 4.5: Project Budget (PSP Table 8)

Project Title: Project 4. Grant Administration						
Project Serves a need of a DAC?: Yes						
Funding Match Waiver Request?: No						
Category	(a)	(b)	(c)	(d)	(e)	
	Requested Grant Amount (\$)	Cost Share: Non-State Fund Source (Funding Match) (\$)	Cost Share: Other State Funding Sources (\$)	Total Cost (\$)	Percent Funding Match (Col b/Col d)	
(a) Direct Project Administration	180,671	0	0	180,671	0	
(b) Land Purchase/Easement	---	---	---	---	---	
(c) Planning/Design/Engineering/Environmental Documentation	---	---	---	---	---	
(d) Construction/Implementation	---	---	---	---	---	
(e) Grand Total	180,671	0	0	180,671	0	

Budget Category (a): Direct Project Administration

All work for grant administration will occur in Budget Category (a). Costs for grant agreement administration, invoicing, and reporting are all based on estimates from a grant administration consultant. Grant application preparation is based on the contract with the consultant preparing the 2015 IRWM Implementation Proposal on behalf of the Westside-Sacramento Regional Water Management Group.

Task	Cost (\$)
Task 1. Project Management	
• Consultant Estimate Based on Proposition 84 Drought Grant Round	48,673
• Grant Application Preparation	75,000
Task 2. Invoicing	
• Consultant Estimate Based on Proposition 84 Drought Grant Round	50,789
Task 3. Progress Reports and Project Completion Report(s)	
• Consultant Estimate Based on Proposition 84 Drought Grant Round	6,349
Total Cost Budget Category (a)	180,811