



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

Introduction

This Attachment provides a summary of the overall Proposal budget as well as the budgets for the individual Projects. Each individual Project budget, presented below, is broken down by work plan tasks (per Table 8 of the PSP) and is consistent with Attachment 3 Work Summary and Attachment 5 Schedule. This Proposal has an estimated total cost of approximately \$40.7M. Of this amount, \$16.2M is being requested in grant funding and \$24.4M or 60% will be contributed by Project Proponents as matching funds.

Reasonableness of Detailed Costs and Supporting Documentation

All detailed costs shown for each Project are reasonable and, where applicable, supporting information is provided to justify the cost estimates. Supporting information includes staff rates and number of hours for labor; percentage of total used to approximate costs; and/or engineer's estimate.

Funding Match

The proposal includes a funding match well above the required 25% match. The proposal funding match is **60%** of the total cost of the Proposal.

PROPOSAL SUMMARY BUDGET

Table 1 – Summary Budget (PSP Table 9)

Proposal Title: Upper Santa Clara River 2015 IRWM Implementation Grant Proposal						
Individual Project Title		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)	Cost Share: Other State Fund Source	Total Cost	% Funding Match
(1)	Grant Administration	\$ 379,000	\$ 99,000	\$0	\$ 478,000	21%
(2)	CLWA Residential and Commercial Turf Removal Programs	\$ 2,850,000	\$ 2,074,007	\$0	\$ 4,924,007	42%
(3)	Santa Clara River Trunk Sewer Line Project Phase II	\$ 3,000,000	\$ 1,000,000	\$0	\$ 4,000,000	25%
(4)	Valencia WRP Advanced Water Treatment Facilities	\$ 10,000,000	\$ 21,254,000	\$0	\$ 31,254,000	68%
(5)	Proposal Total, (1) through (4)	\$ 16,229,000	\$ 24,427,007	\$0	\$ 40,656,007	60%
(6)	DAC Funding Match Waiver Total	\$0	\$0	\$0	\$0	\$0
(7)	Grand Total	\$ 16,229,000	\$ 24,427,007	\$0	\$ 40,656,007	60%



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant

Attachment 4 – Budget Summary

PROJECT 1. GRANT ADMINISTRATION

Table 2 – Project Budget (PSP Table 8)

Proposal Title: Upper Santa Clara River 2015 IRWM Implementation Grant Proposal

Project Title: Grant Administration

Project serves a need of a DAC? Yes No

Funding Match Waiver request? Yes No

Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)*	Cost Share: Other State Fund Source	Total Cost
(a)	Direct Project Administration	\$ 379,000	\$ 99,000	\$0	\$ 478,000
1	Agreement Administration/Program Management	\$ 116,000	\$39,000	\$0	\$ 155,000
2	Grant Application Preparation	\$ 80,000	\$ 30,000	\$0	\$ 110,000
3	Invoicing and Progress Report Packages	\$ 139,000	\$25,000	\$0	\$ 164,000
4	Draft and Final Completion Reports				
4.1	<i>Draft and Final Project Completion Reports</i>	<i>\$ 14,000</i>	<i>\$5,000</i>	<i>\$0</i>	<i>\$ 19,000</i>
4.2	<i>Draft and Final Grant Completion Reports</i>	<i>\$ 30,000</i>	<i>\$0</i>	<i>\$0</i>	<i>\$ 30,000</i>
	Grand Total	\$ 379,000	\$ 99,000	\$0	\$ 478,000

*Sources of funding are CLWA connection fees and wholesale water rate revenues.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

Description of Project Budget – Grant Administration

The following text describes how the budget shown is reasonable, based on current available information and past experience administering multiple IRWM grants through the Proposition 84 Program. The Grant Administration Budget for this Proposal is estimated to cost \$478,000 or approximately 1% of the total proposal budget without grant administration (\$40,178,007 [the total proposal budget without grant administration* 1%]). All values have been rounded to the nearest thousand.

BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

Task 1– Agreement Administration/Program Management

Costs relating to Task 1, Agreement Administration/Program Management assume approximately 0.5% of the total proposal budget without grant administration projects ($0.5\% * \$40,178,007 = \$155,000$). This budget is based on previous experience with managing multiple Proposition 84 grant agreements.

Task 2 – Grant Application Preparation

Costs relating to the preparation of this Grant Application are included under this budget category, totaling \$110,000, as described in the contract between CLWA and the application consultant, Kennedy/Jenks Consultants.

Task 3 – Invoicing and Progress Reports

Costs associated with the Invoicing and Quarterly Progress Report Packages are derived from professional experience in managing similar grants that require invoicing and completing quarterly grant reports. Estimated costs are for preparation of 13 quarterly progress report and invoice packages, the first being the largest at \$44,000 and the remaining 12 at \$10,000 each, or an equivalent of approximately 60 hours per report at a consultant hourly rate of \$215.

Task 4 – Draft and Final Completion Reports

Assistance with preparation of the Draft and Final Project Completion reports is estimated at \$19,000, or an equivalent of 30 hours per report at a consultant hourly rate of \$215.

Preparation of the Draft and Final Grant Completion reports is estimated at \$30,000, or an equivalent of 70 hours per report at a consultant hourly rate of \$215.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

PROJECT 2. CLWA RESIDENTIAL AND COMMERCIAL TURF REMOVAL PROGRAMS

Table 3 – Project Budget (PSP Table 8)

Proposal Title: Upper Santa Clara River 2015 IRWM Implementation Grant Proposal

Project Title: CLWA Residential and Commercial Turf Removal Programs

Project serves a need of a DAC? Yes No

Funding Match Waiver request? Yes No

Category and Task		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)*	Cost Share: Other State Fund Source	Total Cost
(a)	Direct Project Administration	\$0	\$83,200	\$0	\$83,200
1	Project Management	\$0	\$76,000	\$0	\$76,000
2	Labor Compliance Program	\$0	\$0	\$0	\$0
3	Reporting				
3.1	<i>Quarterly Project Progress Reports</i>	\$0	\$6,000	\$0	\$6,000
3.2	<i>Project Completion Report</i>	\$0	\$1,200	\$0	\$1,200
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
4	Land Acquisition/Permanent Easement Cost	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$0	\$500	\$0	\$500
5	Feasibility Studies	\$0	\$0	\$0	\$0
6	CEQA Documentation	\$0	\$0	\$0	\$0
7	Permitting	\$0	\$0	\$0	\$0
8	Design	\$0	\$0	\$0	\$0
9	Project Performance Monitoring Plan	\$0	\$500	\$0	\$500
(d)	Construction/Implementation	\$2,850,000	\$1,990,307	\$0	\$4,840,307
10	Contract Services (NA)	\$0	\$0	\$0	\$0
11	Construction Administration (NA)	\$0	\$0	\$0	\$0
12	Construction/Implementation Activities				
12.1	<i>Single-Family Turf Removal</i>	\$1,069,152	\$520,410	\$0	\$1,589,562
12.2	<i>Multi-Family/CII Turf Removal</i>	\$1,780,848	\$521,897	\$0	\$2,302,745
12.3	<i>Rebate Administration</i>	\$0	\$648,000	\$0	\$648,000
12.4	<i>Public Outreach and Education</i>	\$0	\$300,000	\$0	\$300,000
(e)	Grand Total, (a) through (d)	\$2,850,000	\$2,074,007	\$0	\$4,924,007

*Sources of funding are CLWA connection fees and wholesale water rate revenues.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

Description of Project Budget – CLWA Residential and Commercial Turf Removal Programs

BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

Task 1 - Project Management

Costs include managing grant requirements and preparing and submission of supporting grant documents and reports. An assessment of CLWA salaries in comparison to the City of Santa Clarita was performed in 2013. That analysis showed the average CLWA temporary employee earns approximately \$102,000 per year inclusive of health benefits, equating to approximately \$50/hour. The budget for administration assumes 555 hours per year, for three years, at \$50/hour equating to about \$83,200.

Task 2 - Labor Compliance Program

This project does not require a Labor Compliance Program, thus it is not applicable. No budget is included for this task.

Task 3 - Reporting

For reporting, costs assume 12 hours per quarterly progress report, for 10 reports, on an average salary of \$50/hour. Effort is based on previous experience with preparation of material for multiple Proposition 84 grants.

Twelve (12) hours were assumed for the draft and final project completion report on an average salary of \$50/hour. Effort is based on previous experience with preparation of material for multiple Proposition 84 grants.

BUDGET CATEGORY (B): LAND PURCHASE/EASEMENT ACQUISITION

Task 4 - Land Purchase/Acquisition

No land purchases or right-of-way easements are required for this project, thus it is not applicable. No budget is included for this task.

BUDGET CATEGORY (C): PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION

Task 5 - Feasibility Studies

The technical feasibility of the project is described and supported by the Santa Clarita Valley Water Use Efficiency Strategic Plan (SCV WUE Strategic Plan) (completed in 2015), with funds from a Proposition 84 Round 2 Planning Grant. No additional studies are needed. Therefore, this task is complete and no budget is included for this task.

Task 6 - CEQA Documentation

The program was determined to be categorically exempt from CEQA, therefore, this task is complete. No budget is included for this task.

Task 7 - Permitting

No permits are necessary for implementation of the project. Therefore, this task is not applicable. No budget is included for this task.

Task 8 - Design

The design of the project is described and supported by the SCV WUE Strategic Plan which was funded by a Proposition 84 Round 2 Planning Grant. No additional studies are needed. Therefore, this task is complete and no budget is included for this task.

Task 9 - Project Performance Monitoring Plan

The budget assumes 10 hours for the Project Monitoring Plan at \$50/hour. Effort is based on previous experience with preparation of material for multiple Proposition 84 grants.

The data management and monitoring procedures for the Project will be developed in the PPMP, provided for in Task 9. A monitoring plan shall be submitted to the State prior to disbursement of grant funds for construction or monitoring activities for this Project. It is anticipated that the data collected during the project will contribute to the State's Water Data Library and other State databases as appropriate, such as IWRIS and CERES. Cost for the data management and monitoring deliverables as



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

described in the Project Justification section (Attachment 2), will be determined when the full PPMP is completed, costs will occur after conclusion of the grant, and therefore are not budgeted at this time.

BUDGET CATEGORY (D): CONSTRUCTION/IMPLEMENTATION

Task 10 - Contract Services

CLWA does not hire the contractors to administer the programs or perform the work, therefore no contractors are necessary to implement the project on behalf of CLWA. Thus this task is not applicable, and no budget is included for this task.

Task 11 - Construction Administration

No construction administration is required for implementation of the programs. Thus this task is not applicable, and no budget is included for this task.

Task 12 - Construction/Implementation Activities

Below is the rebate budget for the SCV WUE Strategic Plan for both Single-Family and Multi-Family CII Turf Replacement for three fiscal years. It totals \$3,892,307; the requested grant amount is \$2,850,000.

Wholesale Residential/Commercial Turf Removal Budget

Measure	2016	2017	2018	Total
SF Turf Replacement Program	\$516,152	\$529,711	\$543,699	\$1,589,562
MF CII Turf Replacement Program	\$753,468	\$767,526	\$781,751	\$2,302,745
Total	\$1,269,620	\$1,297,237	\$1,325,450	\$3,892,307

The budget figures above were derived with the following assumptions:

- Rebates at \$2/square foot for all three years of the program;
- An average rebate removes 1,250 square feet of turf (based on early averages from program participants) for a rebate of \$2,500 (actual number of rebates will vary as each project is different in size);
- Grass can be replaced with drought-tolerant living plant material, mulch or artificial turf; and

Three full-time conservation staff personnel are currently implementing the SCV WUE Strategic Plan Programs. In terms of cost share, turf replacement programs are notoriously expensive in staffing costs. CLWA is currently working with Koff & Associates to conduct a salary and compensation survey to make recommendations in terms of organizational structure for conservation and outreach positions. Without the results of this survey to guide the staff time costs, we have used \$120,000 as a burdened rate from an internal survey conducted in 2011 by staff. To calculate an estimate of staff costs over three years, three staff people, each at \$120,000 (average burdened rate), each spending about 60 percent of their time was used, for a total of \$648,000. When the study from Koff & Associates is complete an updated figure can be provided.

As part of the SCV WUE Strategic Plan, CLWA implemented a public outreach program in 2014 and 2015. During each year of the program the public outreach and education component cost \$100,000. For this grant project it is assumed that public outreach and education will be similar, costing \$100,000 per year, or \$300,000 for the three years of the turf removal programs.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

PROJECT 3. SANTA CLARA RIVER TRUNK SEWER LINE RELOCATION PROJECT PHASE II

Table 4 – Project Budget (PSP Table 8)

Proposal Title: Upper Santa Clara River 2015 IRWM Implementation Grant Proposal

Project Title: Santa Clara River Trunk Sewer Line Project Phase II

Project serves a need of a DAC? Yes No

Funding Match Waiver request? Yes No

Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)*	Cost Share: Other State Fund Source	Total Cost
(a)	Direct Project Administration	\$143,000	\$0	\$0	\$143,000
1	Project Management	\$100,000	\$0	\$0	\$100,000
2	Labor Compliance Program	\$20,000	\$0	\$0	\$20,000
3	Reporting				
3.1	<i>Quarterly Project Progress Reports</i>	<i>\$15,000</i>	<i>\$0</i>	<i>\$0</i>	<i>\$15,000</i>
3.2	<i>Project Completion Report</i>	<i>\$ 8,000</i>	<i>\$0</i>	<i>\$0</i>	<i>\$8,000</i>
(b)	Land Purchase/Easement Acquisition	\$0	\$0	\$0	\$0
4	Land Acquisition/Permanent Easement Cost	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/ Environmental Documentation	\$375,000	\$0	\$0	\$375,000
5	Feasibility Studies	\$0	\$0	\$0	\$0
6	CEQA Documentation	\$0	\$0	\$0	\$0
7	Permitting	\$125,000	\$0	\$0	\$125,000
8	Design				
8.1	<i>Plan Preparation and Specifications</i>	<i>\$200,000</i>	<i>\$0</i>	<i>\$0</i>	<i>\$150,000</i>
8.2	<i>Record Drawings</i>	<i>\$50,000</i>	<i>\$0</i>	<i>\$0</i>	<i>\$100,000</i>
9	Project Performance Monitoring Plan	\$0	\$0	\$0	\$0
(d)	Construction/Implementation	\$2,482,000	\$1,000,000	\$0	\$3,482,000
10	Contract Services	\$35,000	\$0	\$0	\$35,000
11	Construction Administration	\$40,000	\$0	\$0	\$40,000
12	Construction/Implementation Activities				
12.1	<i>Contractor Submittals and Review</i>	<i>\$5,000</i>	<i>\$20,000</i>	<i>\$0</i>	<i>\$25,000</i>
12.2	<i>New Sewer Installation</i>	<i>\$2,352,000</i>	<i>\$880,000</i>	<i>\$0</i>	<i>\$3,232,000</i>
12.3	<i>Abandonment of Old Sewer</i>	<i>\$50,000</i>	<i>\$100,000</i>	<i>\$0</i>	<i>\$150,000</i>
(e)	Grand Total, (a) through (d)	\$3,000,000	\$1,000,000	\$0	\$4,000,000

*Sources of funding for the NCWD Project Phase II are sourced by NCWD connection fees and water rate revenues.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

Description of Project Budget – Santa Clara River Sewer Trunk Line Project Phase II

The following text describes how the budget shown is reasonable, based on current available information. Included in Phase I of the project, funded by the Proposition Round 1 Implementation Grant, are Alliance Land Planning and Engineering construction cost estimates. Copies of these estimates are referenced and can be provided upon request.

BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

Task 1 - Project Management

Administration costs are estimated at 2.5% of the total Project cost. Cost estimates are estimated based on consultant estimates and previous experience with grant management and reporting.

Task 2 - Labor Compliance Program

Labor Compliance costs were provided by the consultant, Contractor Compliance and Monitoring Inc. in July 2015.

Task 3 - Reporting

Reporting costs are estimated at 16% of total administrative costs and assume 11 Quarterly reports at 24 hours each, draft and final project completion reports at 14 hours each. Cost estimates are estimated based on consultant estimates and previous experience with grant management and reporting

BUDGET CATEGORY (B): LAND PURCHASE/EASEMENT AQUISITION

Task 4 - Land Acquisition/Permanent Easement Cost

A portion of the land is owned by Vista Canyon, LLC and they have agreed to grant NCWD an easement for the portion of sewer main to be relocated through their property at no cost to NCWD. Costs for negotiation of easements are anticipated to be minimal and therefore no budget is included for this task.

BUDGET CATEGORY (C): PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION

Task 5 - Feasibility Studies and Task 6 – CEQA Documentation

Project feasibility studies and CEQA were completed as part of the Phase I Project funded by the Prop 84 Round 1 Implementation Grant. No budget is included for these tasks.

Task 7 - Permitting

While most permits for the Project have already been obtained there are several mitigation monitoring requirements. The budgeted amount in Task is for special status plant and animal surveys, on-site biological monitoring during grading, a wetlands mitigation plan per consultant estimates, and Native American monitoring during construction.

Task 8 - Design

For Design, while mostly complete, additional plan mark-ups, specifications are anticipated and are estimated herein and also include the costs for plan modifications expected after additional surveying work and associated vacuum excavation is completed to identify actual tie-in connection points.

Task 9 - Project Performance Monitoring Plan (PPMP)

The PPMP assumes a conservative 30 hours to complete; the costs for which are included within Task 8 Design. This level of effort is based on previous experience with preparation of material for multiple Proposition 84 grants. The data management and monitoring procedures for the Project will be developed in the PPMP, provided for in Task 9. It is anticipated that the data collected during the project will contribute to the State's Water Data Library and other State databases as appropriate, such as IWRIS and CERES. Cost for the data management and monitoring deliverables as described in the Project Justification section (Attachment 2), will be determined when the full PPMP is completed, costs will occur after conclusion of the grant, and therefore are not budgeted at this time.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

BUDGET CATEGORY (D): CONSTRUCTION/IMPLEMENTATION

The project will be divided into three (3) phases for bidding purposes. Phase A of the project will include the “jack and bore” section under the Mitchell-Dyer Hill. Phase B will include the sewer relocation from Sand Canyon Road bridge to the Mitchell-Dyer Hill. Phase C will be all the sewer relocation in and around Sand Canyon Road and Delone Street. The purpose for separating the project into separate phases (segments) is due to the unique conditions and requirements of each segment. NCWD will be ready to solicit bids for the construction of the sewer relocation work including the required removal of existing sewer facilities by April 2016. The budget however is inclusive of all three construction phases.

Task 10 - Contract Services

Contracting services include developing the bid documents, preparing advertisement and contract documents for construction contract bidding, conducting a pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. The cost for this was provided by the design engineer and is based on experience with previous specifications and public bid package preparations.

Task 11 - Construction Administration

Construction Administration includes weekly site visits, monthly project performance monitoring, and the notice of completion. The costs for these activities were provided by the design engineer and are based on experience with previous specifications and public bid package preparations.

Task 12 - Construction/Implementation Activities

Construction for the entire Project includes a relocation of approximately 5,000 feet of sewer main trunk line out of the main flow of the Santa Clara River and approximately 900 feet of bank stabilization. The project will be divided into three (3) phases for bidding purposes. Phase A of the project will include the “jack and bore” section under the Mitchell-Dyer Hill. Phase B will include the sewer relocation from Sand Canyon Road bridge to the Mitchell-Dyer Hill. Phase C will be all the sewer relocation in and around Sand Canyon Road and Delone Street. The purpose for separating the project into separate phases is due to the unique conditions and requirements of each segment. Construction costs were obtained by the design engineer and are based on experience with previous specifications and public bid package preparations, as well as the completion of the Phase I engineering and design components. Additionally, contingency has been budgeted under (Task 12), assuming 10% of the total construction cost, consistent with the current level of design. Lastly, construction cost estimates were made recognizing the requirement to comply with prevailing wage laws. Table 4-4 is a roll-up of the entire budget, inclusive of the three construction phases, and conforms to the IRWM Program Guidelines for displaying costs. As the construction will be performed in three separate phases, as explained in the Work Plan and the Schedule, the breakdown of the construction (Budget Category D), with a total amount of \$3,482,000, for consistency is provided below.

Category		(a) Requested Grant Amount			(b) Cost Share: (Funding Match)*			(c) Other Cost Share:	Grant Total Cost (Phases A-C)
		Phase A	Phase B	Phase C	Phase A	Phase B	Phase C		
(d)	Construction/Implementation**	\$914,000	\$1,140,000	\$428,000	\$8,000	\$671,000	\$321,000	\$0	\$3,482,000
10	Construction Contracting Services	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	\$35,000
11	Construction Administration	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
12	Construction/Implementation Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12.1	Contractor Submittals and Review	\$2,000	\$2,000	\$1,000	\$8,000	\$8,000	\$4,000	\$0	\$25,000
12.2	New Sewer Installation	\$837,000	\$1,113,000	\$402,000	\$0	\$613,000	\$267,000	\$0	\$3,232,000
12.3	Abandonment of Old Sewer	\$0	\$25,000	\$25,000	\$0	\$50,000	\$50,000	\$0	\$150,000
(d)	Total (d)	\$914,000	\$1,140,000	\$428,000	\$8,000	\$671,000	\$321,000	\$0	\$3,482,000
(e)	Total (a) through (d)	\$1,432,000	\$1,140,000	\$428,000	\$8,000	\$671,000	\$321,000	\$0	\$4,000,000
(f)	Grand Total (inclusive of Tasks a-e)	\$3,000,000			\$1,000,000			\$0	\$4,000,000



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

PROJECT 4. VALENCIA WATER RECLAMATION PLANT ADVANCED WATER TREATMENT FACILITIES

Table 5 – Project Budget (PSP Table 8)

Proposal Title: Upper Santa Clara River 2015 IRWM Implementation Grant Proposal

Project Title: Valencia Water Reclamation Plant Advanced Water Treatment Facilities

Project serves a need of a DAC? Yes No
 Funding Match Waiver request? Yes No

Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)*	Cost Share: Other State Fund Source	Total Cost
(a)	Direct Project Administration	\$0	\$ 473,000	\$0	\$ 473,000
1	Project Management	\$0	\$ 259,000	\$0	\$ 259,000
2	Labor Compliance Program	\$0	\$ 84,000	\$0	\$ 84,000
3	Reporting				
3.1	<i>Quarterly Project Progress Reports</i>	\$0	\$ 120,000	\$0	\$ 120,000
3.2	<i>Project Completion Report</i>	\$0	\$ 10,000	\$0	\$ 10,000
(b)	Land Purchase/Easement Acquisition	\$0	\$0	\$0	\$0
4	Land Acquisition/Permanent Easement Cost	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/ Environmental Documentation	\$0	\$ 4,871,000	\$0	\$ 4,871,000
5	Feasibility Studies	\$0	\$ 700,000	\$0	\$ 700,000
6	CEQA Documentation	\$0	\$ 600,000	\$0	\$ 600,000
7	Permitting	\$0	\$ 101,000	\$0	\$ 101,000
8	Design	\$0	\$ 3,450,000	\$0	\$ 3,450,000
9	Project Performance Monitoring Plan	\$0	\$ 20,000	\$0	\$ 20,000
(d)	Construction/Implementation	\$ 10,000,000	\$ 15,910,000	\$0	\$ 25,910,000
10	Contract Services	\$0	\$ 150,000	\$0	\$ 150,000
11	Construction Administration	\$0	\$ 2,760,000	\$0	\$ 2,760,000
12	Construction/Implementation Activities				
12.1	<i>Mobilization and Demobilization</i>	\$0	\$ 1,000,000	\$0	\$ 1,000,000
12.2	<i>Site Preparation</i>	\$0	\$ 500,000	\$0	\$ 500,000
12.3	<i>Procurement and Installation of MF and RO Equipment</i>	\$ 10,000,000	\$ 11,500,000	\$0	\$ 21,500,000
(e)	Grand Total, (a) through (d)	\$ 10,000,000	\$ 21,254,000	\$0	\$ 31,254,000

*The Non-State Fund Source for the Project's funding match will be SRF Loan funding and the Santa Clarita Valley Sanitation District Operating Fund.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

Description of Project Budget – Valencia WRP Advanced Water Treatment Facilities

The following text describes how the budget shown is reasonable, based on current available information. At the current design stage of 10%, the Valencia Water Reclamation Plant Advanced Water Treatment Facilities Project has an estimated total cost of \$31,254,000 based on agency experience. As the Project moves forward through the design stages, this estimate may be revised as necessary.

BUDGET CATEGORY (A): DIRECT PROJECT ADMINISTRATION

Direct Project Administration costs total \$473,000 and will be fully covered by funding match. Individual tasks include Project Management (Task 1), Labor Compliance Program (Task 2), and Reporting (Task 3), which will be coordinated by the Sanitation District staff and include managerial, engineering, field, and clerical personnel. Subtasks under Task 3 include Quarterly Progress Reports (sub Task 3.1), and Project Completion Report (sub Task 3.2).

Task 1 - Project Management

Project Management costs are estimated at 1% of the Budget Category (d) Construction / Implementation cost based on professional experience with Proposition 84-funded project management costs for other chloride compliance facilities by the Sanitation District (such as the Saugus WRP UV Disinfection Facilities Project, and Valencia WRP UV Disinfection Facilities Project).

Task 2 - Labor Compliance Program

Labor compliance costs were estimated by a Labor Compliance firm (Golden State, June 8, 2015) based on compliance over the 29-month duration of construction, assuming 930 hours of work at \$90/hour.

Task 3 - Reporting

Reporting costs are estimated at 0.5% of the Budget Category (d) Construction / Implementation cost based on professional experience with Proposition 84-funded reporting costs for other chloride compliance facilities by the Sanitation District (such as the Saugus WRP UV Disinfection Facilities Project, and Valencia WRP UV Disinfection Facilities Project).

BUDGET CATEGORY (B): LAND PURCHASE/EASEMENT

Task 4 - Land Acquisition/Permanent Easement Cost

No land purchases or right-of-way easements are required. No budget is included for this task.

BUDGET CATEGORY (C): PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION

Costs for Budget Category (c) total \$4,871,000 and will be fully covered by funding match. This budget includes expenses relating to Feasibility Studies (Task 5), CEQA Documentation (Task 6), Permitting (Task 7), Design (Task 8), and a Project Performance Monitoring Plan (Task 9). All costs have been prorated to reflect the Project's portion of the total cost for these tasks.

Task 5 - Feasibility Studies

Project Feasibility Studies were completed as part of the project development process and provided in the SCVSD Chloride Compliance Facilities Plan and Environmental Impact Report (EIR). The Feasibility Studies cost of \$700,000 are the actual costs to prepare the Facilities Plan and EIR from January 1, 2011 to the EIR approval date of October 28, 2013, prorated to reflect the Project's portion of the total cost for feasibility studies and CEQA document for all chloride compliance facilities.



UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 4 – Budget Summary

Task 6 - CEQA Documentation

CEQA for the project is 90% complete. CEQA costs are the actual costs to prepare the Facilities Plan and EIR from January 1, 2011 to the EIR approval date of October 28, 2013, prorated to reflect the Project's portion of the total cost for feasibility studies and CEQA document for all chloride compliance facilities. CEQA documentation costs also include activities needed to prepare a letter describing the resolution of the CEQA legal challenges.

Task 7 - Permitting

Permitting costs are actual costs to obtain Basin Plan amendment and National Pollutant Discharge Elimination System (NPDES) Permit updates to reflect modification in plant treatment processes, similarly prorated for the period of 11/1/2013 to 4/2015, plus an additional 10% for securing permits other than the NPDES permit, if needed (e.g., air quality permit).

Task 8 - Design

Design costs are estimated assuming an engineer's rule of thumb that design is 15% of the Construction /Implementation cost, based on prior agency experience.

Task 9 - Project Performance Monitoring Plan

Project Performance Monitoring Plan costs are based on professional experience with other Proposition 84-funded projects' monitoring plan costs. The PPMP will be submitted to the State prior to disbursement of grant funds for construction or monitoring activities for this Project. Cost for the data management and monitoring deliverables as described in the Project Justification section will be determined when the full PPMP is completed, costs will occur after conclusion of the grant, and therefore are not budgeted at this time.

BUDGET CATEGORY (D): CONSTRUCTION/IMPLEMENTATION

Construction/Implementation costs total \$25,910,000, to be covered by funding match, and the \$10,000,000 grant amount. The Final Chloride Compliance Facilities Plan and EIR (Plan and EIR) provides backup for the cost of the Project. The Project is just one component of the Plan and EIR. The Plan and EIR indicate a cost estimate for microfiltration with reverse osmosis (MF/RO) with sufficient capacity to treat the 6.0 MGD needed for compliance during drought conditions to be \$45 million (2012 dollars). The Facilities Plan cost estimate includes design and construction administration. The MF/RO would consist of five trains at approximately 1.5 MGD capacity each. Based on effluent quality and quantities from both the Saugus and Valencia WRPs, approximately 4.5 MGD of the Valencia WRP effluent would need to be treated to allow that plant to be independently in compliance. Hence, the cost of the portion of the advanced water treatment facilities needed for Valencia WRP compliance is roughly 60% of the overall cost (3 trains out of the 5), or \$27 million. Adjusting to 2015 dollars, the Valencia WRP Advanced Water Treatment Facilities cost is \$29.5 million. Design is estimated to be roughly 15% of the overall cost, while construction administration is expected to be 12%. Dividing the overall cost by 1.27 leaves \$23.2 million. Taking construction contract services costs of \$150,000 out of this balance leaves approximately \$23 million for actual construction. As the agency moves forward through the design stages, this estimate may be revised as necessary.

Task 10 - Contract Services

Contract Services are budgeted at based on professional experience with similar projects.

Task 11 - Construction Administration

Construction Administration is budgeted at \$2,760,000, which represents 12% of Task 12, based on professional experience with similar projects. Construction cost estimates were also made recognizing the requirement to comply with prevailing wage laws.

Task 12 - Construction/Implementation Activities

Construction is estimated at a 10% design level, based on the capital cost of Advanced Water Treatment facilities as presented in the Facilities Plan for Alternative 2, adjusted for inflation and prorated for Valencia WRP flows only. Subtasks include Mobilization and Demobilization, Site Preparation, and Installation of MF and RO Equipment.