

Attachment 5: Budget Summary

This table below provides a budget summary for the overall Proposal and each project in the proposal.

Proposal Budget Summary

Table 8 - Summary Budget (PSP Table 8)						
Proposal Name: Santa Cruz IRWM 2014 Drought 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	% Funding Match
(a)	Project 1 – Tait Wells Replacement	\$ 672,799	\$ 224,333	\$ 0	\$ 897,132	25%
(b)	Project 2 – Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts	\$ 1,025,257	\$ 342,219	\$ 0	\$ 1,367,476	25%
(c)	Project 3 – Conjunctive Use and Enhanced Groundwater Recharge Project at Hanson Quarry	\$ 1,435,521	\$ 478,507	\$ 0	\$ 1,914,028	25%
(d)	Proposal Total	\$ 3,133,578	\$ 1,045,059	\$ 0	\$ 4,178,637	25%
(e)	DAC Funding Match Waiver Total	\$ 0	\$ 0	\$ 0	\$ 0	-
(f)	Grand Total	\$ 3,133,578	\$ 1,045,059	\$ 0	\$ 4,178,637	25%

Note: The project budgets include grant management activities by the RWMF and the consultant fees for grant proposal preparation.

Tait Wells Replacement Budget Summary

Project Budget (PSP Table 7)

Proposal Name: Santa Cruz IRWM 2014 Drought Application

Project Title: Tait Wells Replacement

Project serves a need of a DAC? Yes No

Funding Match Waiver request? Yes No

		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match) ¹	Cost Share: Other State Fund Source ²	Total Cost
(a)	Direct Project Administration Costs ³	\$ 42,474	\$ 92,658	\$ 0	\$ 135,132
(b)	Land Purchase/Easement	\$ 0	\$ 50,000	\$ 0	\$ 50,000
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 83,325	\$ 41,675	\$ 0	\$ 125,000
(d)	Construction/Implementation	\$ 547,000	\$ 40,000	\$ 0	\$ 587,000
(e)	Grand Total, (a) through (d)	\$ 672,799	\$ 224,333	\$ 0	\$ 897,132

Sources of funding:

1 The City of Santa Cruz funds.

2 There is no other State funding source being used for the Tait Wells Replacement.

3. Cost for grant management activities by the RWMF and the consultant fees for grant proposal preparation are included in the Direct Project Administration Costs.

Tait Wells Replacement Budget Description

The City has prepared a detailed budget for the Tait Wells Replacement project to support the project budget shown above. The City has examined the grant tasks and deliverables in light of costs of similar projects to provide reasonable costs given currently available information. The majority of the project cost is associated with the construction and implementation for the replacement of the two existing wells Tait Well No.1 and Tait Well No.3 with the two new wells.

- Costs associated with Direct Project Administration Costs are based on experiences in managing similar projects and include the cost for the grant administration and coordination, project management, reporting, and invoicing. Administration costs, including labor compliance activities, are based on estimated hours for the City staff and RWMF staff as the grant administrator. Also included in administration costs are consultant fees for grant preparation.
- Land Purchase/Easement Costs are based on land appraisal costs and the cost for negotiating and obtaining permanent easement to acquire the County right-of-way for drilling the new Tait Well No.5.
- Costs in the Planning/Design/Engineering/Environmental Documentation budget category include assessment and evaluation, 30% Basis of Design, 60% design, 90% design, bid documents, and preparation and filing the CEQA documentation.
- Costs for Construction/Implementation are based on cost estimates on the construction of the two wells, administering and managing the construction activities, and construction contingency (30%). The cost to administer and manage construction of the project is based on estimated hours for the City staff. The construction cost is estimated based on the previous work conducted in support of the project, the Draft Basis of Design Technical Memorandum (May 2014). Based on the costs of recent well construction projects of a similar nature as the Tait Well No. 5, Pueblo Water Resources estimated a total cost for contractor services of \$100,225 for drilling each well.
- Costs for monitoring water quality from the new wells after construction are not included in the budget but will occur in the course of normal operation.

Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts Budget Summary

Project Budget (PSP Table 7)

Proposal Name: Santa Cruz IRWM 2014 Drought Application

Project Title: Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts

Project serves a need of a DAC? Yes No

Funding Match Waiver request? Yes No

		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match) ¹	Cost Share: Other State Fund Source ²	Total Cost
(a)	Direct Project Administration Costs ³	\$ 116,333	\$ 60,817	\$ 0	\$ 177,150
(b)	Land Purchase/Easement	\$ 0	\$ 0	\$ 0	\$ 0
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 0	\$ 154,208	\$ 0	\$ 154,208
(d)	Construction/Implementation	\$ 908,924	\$ 127,194	\$ 0	\$ 1,036,118
(e)	Grand Total, (a) through (d)	\$ 1,025,257	\$ 342,219	\$ 0	\$ 1,367,476

Sources of funding:

1 The City of Santa Cruz funds.

2 There is no other State funding source being used for Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts.

3. Cost for grant management activities by the RWMF and the consultant fees for grant proposal preparation are included in the Direct Project Administration Costs.

Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts Budget Description

The City has prepared a detailed budget for the project to Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts to support the project budget shown above. The City has examined the grant tasks and deliverables in light of experience on the previous work conducted in support of this project to provide reasonable costs given currently available information.

- Costs associated with Direct Project Administration Costs are based on experiences in managing similar projects and include the cost for the grant administration and coordination, project management, reporting, and invoicing. Administration costs, including labor compliance activities, are based on estimated hours for the City staff and RWMF staff as the grant administrator. Also included in administration costs are consultant fees for grant preparation and feasibility study administration and project management.
- There are no Land Purchase/Easement costs associated with this project.
- Planning/Design/Engineering/Environmental Documentation costs include assessment and evaluation, consultant fees for design, feasibility study design and engineering, and the City staff support for planning/design/engineering activities for the metering system upgrades, FlexNet meter antenna installation, and water storage tank disinfection by product removal equipment. There are no costs associated with environmental documentation and permitting.
- Costs for construction are based on estimates from the City engineers derived from aeration feasibility study implementation and metering equipment selection as well as quotes from Medora GridBee for equipment and installation. Costs for administering and managing implementation of the project are based on the estimated hours for the City staff. Also included in the construction cost is the estimate for water quality sampling for the first three days (initial implementation) after the aeration systems are installed.

Conjunctive Use and Enhanced Groundwater Recharge Project at Hanson Quarry Budget Summary

Project Budget (PSP Table 7)

Proposal Name: Santa Cruz IRWM 2014 Drought Application

Project Title: Conjunctive Use and Enhanced Groundwater Recharge Project at Hanson Quarry

Project serves a need of a DAC? Yes No

Funding Match Waiver request? Yes No

		(a)	(b)	(c)	(d)
Budget Category		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match) ¹	Cost Share: Other State Fund Source ²	Total Cost
(a)	Direct Project Administration Costs ³	\$ 48,021	\$ 33,007	\$ 0	\$ 81,028
(b)	Land Purchase/Easement	\$ 0	\$ 20,000	\$ 0	\$ 20,000
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 0	\$ 316,353	\$ 0	\$ 316,353
(d)	Construction/Implementation	\$ 1,387,500	\$ 109,147	\$ 0	\$ 1,496,647
(e)	Grand Total, (a) through (d)	\$ 1,435,521	\$ 478,507	\$ 0	\$ 1,914,028

Sources of funding:

1 Scotts Valley Water District funds.

2 There is no other State funding source being used for the Conjunctive Use and Enhanced Groundwater Recharge Project at Hanson Quarry.

3. Cost for grant management activities by the RWMF and the consultant fees for grant proposal preparation are included in the Direct Project Administration Costs.

Conjunctive Use and Enhanced Groundwater Recharge Project at Hanson Quarry Budget Description

SVWD has prepared a detailed budget for the Conjunctive Use and Enhanced Groundwater Recharge Project at Hanson Quarry to support the project budget shown above. SVWD has examined the grant tasks and deliverables in light of experience on the previous work conducted in support of this project to provide reasonable costs given currently available information.

- Costs associated with Direct Administration Costs are based on experiences in managing similar projects and include the cost for the grant administration and coordination, project management, reporting, and invoicing. Administration costs, including labor compliance activities, are based on estimated hours for the City staff and RWMF staff as the grant administrator. Also included in administration costs are consultant fees for grant preparation.
- There is right of access agreement cost associated with Stage 1: Site-Specific Geologic/Recharge Investigation and Injection/ASR Well (Stage 1) of the project.
- Planning/Design/Engineering/Environmental Documentation budget category is based on consultant quotes. These costs include well design, CEQA, and well permitting fees under Stage 1; assessment and evaluation and design work under Stage 2: Advanced Treated Recycled Water Study and Coordination with CDPH (Stage 2); and assessment and evaluation, preliminary CEQA, and permitting under Stage 3: Water Rights Confirmation For Groundwater Recharge (Stage 3).
- Costs for construction are based on consultant quotes from a recent well construction project of a similar nature as the proposed well. Costs include one injection/ASR well construction and well equipping, one monitoring well installation, one monitoring well rehabilitation, and injection test implementation. Also included in the costs are conducting water quality sampling program with advanced treated water and conducting a bench-scale testing under Stage 2. Stage 3 does not include construction costs.