

Tahoe Sierra IRWM Drought Preparedness Project
Attachment 5 - Budget Summary
Regional Water Conservation Program Project

The following budget summary describes the anticipated costs required to implement the Regional Water Conservation Program Project (Project). Per the grant Attachment 5, budget summary table, the estimated total Project cost is \$566,836 and is broken down as follows:

Task A: Direct Project Administration

Task A.1 Administration and Reporting: Costs are based on previous costs to administer projects of similar scope and the grant reporting requirement detailed in Attachment 4, Work Summary. The \$70,933 is for the Grants Coordinator and Grants Assistant staff time to act as lead and perform administrative tasks associated with that status. The direct project administration is less than 5% of the total project summary costs.

Task A.2 Labor Compliance Monitoring: Cost are included in Task A.1 above and represent ensuring partners with construction projects meet labor compliance monitoring services, based on Proposition 84 requirements.

Task B: Land Purchase Easement

There are no costs for Land Purchase Easement

Task C: Planning/Design/Engineering/Environmental Documentation

There are no costs associated with this task as the planning and design elements of the Regional Water Conservation Program have been completed.

Task D: Construction/Implementation

Costs associated with this task are not based on actual costs of turf replacement or purchasing water savings devices, but are based on the rebates each water consumer will receive for the implementation of the BMP's. Based on historical program data, rebates are generally about 50% of actual costs by consumer.

Task D.1 Turf Buyback BMP Implementation: Costs of \$140,000 are based on turf removal of 93,334 square feet at \$1.50 per sq. foot.

Task D.2 and D.3 Residential and Commercial Smart Timer Rebates: Costs of \$25,000 are based on the installation of 67 residential timers at \$150 per timer and 60 commercial timers at \$250.00 per timer rebates.

Task D.4 and D.5 Residential and Commercial Appliance Rebates: Includes costs for 510 washing machine rebates and 375 ultra-low flow toilet rebates dependent upon purchase price.

Task E: Environmental Compliance/Mitigation/Enhancemnet

There are no costs for this task as CEQA documentation has been filed.

Task F: Construction Administration

These costs are match costs associated with the actual salaries for the STPUD water conservation program staff for oversight and implementation of the program.

Task G: Other Costs

There are no costs associated with this task.

Task H: Construction/Implementation Contingency

There are no costs associated with this task.

Table 7 – Project Budget

Proposal Title: Tahoe Sierra IRWM Drought Preparedness Project

Project Title: Regional Water Conservation Program (STPUD, NTPUD, TCPUD, Lukins)

Project serves a need of a DAC?: "No"

Funding Match Waiver request?: "No"

Category		(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source* (Funding Match)	(c) Cost Share: Other State Fund Source*	(d) Total Cost
(a)	Direct Project Administration	\$ 60,933.00	\$ 10,000.00		\$ 70,933.00
(b)	Land Purchase/Easement		\$ -		\$ -
(c)	Planning/Design/Engineering/ Environmental Documentation		\$ -		\$ -
(d)	Construction/Implementation	\$ 364,194.00			\$ 364,194.00
(e)	Environmental Compliance/ Mitigation/Enhancement		\$ -		\$ -
(f)	Construction Administration		\$ 131,709.00		\$ 131,709.00
(g)	Other Costs		\$ -		\$ -
(h)	Construction/Implementation Contingency		\$ -		\$ -
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 425,127.00	\$ 141,709.00	\$ -	\$ 566,836.00

The cost share non-state fund source is STPUD water conservation staff time for processing rebates and turf removal applications and is funded totally through STPUD operating funds.

Attachment 5 - Budget Summary

Tahoe City Main Emergency Water Supply Project

The following budget summary describes the anticipated costs required to implement the Tahoe City Main Emergency Water Supply Project (Project). Per the grant Attachment 5, budget summary table, the estimated total Project cost is \$699,840 and is broken down as follows:

Task A: Direct Project Administration

Task A.1 Administration and Reporting: Costs are based on previous costs to administer projects of similar scope and the grant reporting requirement detailed in Attachment 4, Work Summary.

Task A.2 Labor Compliance Monitoring: Cost are based on a quote for third-party labor compliance monitoring services, based on Proposition 84 requirements.

Task C: Planning/Design/Engineering/Environmental Documentation

Task C.1 Planning/Design: Includes the Auerbach Engineering Corporation (Auerbach) existing fee proposal for Project planning and design services, as approved by the TCPUD Board of Directors in March 2014 and as described in Attachment 4, Work Summary. The task includes a 10% contingency on the Auerbach fee schedule, given that the Project is in the preliminary engineering phase and unanticipated costs may arise during design. This task also includes TCPUD staff time for management and review of the design contract and all design deliverables.

Task C.2 Environmental Documentation: Includes TCPUD staff cost to complete the CEQA analysis and Auerbach's cost to provide technical assistance.

Task C.3 Environment Permitting: Includes Auerbach's cost to secure permits, as described in Attachment 4, Work Summary and TCPUD staff cost to review and approve permit submittals.

Task D: Construction/Implementation

Tasks D.1 and D.2 Bidding/Contracting and Construction: Includes costs for pre-construction (bidding and contracting), preparation of conformed drawings and construction implementation. Estimates of TCPUD staff time are based on past experience delivering projects of similar scope; TCPUD staff generally deliver an average of \$1M to \$3M in capital infrastructure projects per year. Construction costs are estimated based on the conceptual design and unit prices for similar capital improvements, previously constructed by the TCPUD.

Task E: Environmental Compliance/Mitigation/Enhancement

There are no costs for Environmental Compliance/Mitigation Enhancement.

Task F: Construction Administration

Based on the unique permitting and regulatory environment in the Tahoe basin and past experience, construction administration is estimated at 15% of construction capital cost.

Task G: Other Costs

Task G includes Project permit fees, as follows: a California Department of Transportation (Caltrans) Encroachment Permit, a Placer County Encroachment Permit, and Tahoe Regional Planning Agency (TRPA) Permit.

Task H: Construction/Implementation Contingency

Task H includes an industry-standard 10% contingency on the Project capital cost, which is typically encumbered by the TCPUD at the time of construction contract award.

Table 7 – Project Budget

Proposal Title: Tahoe Sierra IRWM Drought Preparedness Project

Project Title: Tahoe City Main Emergency Water Supply Project

Project serves a need of a DAC?: "Yes" or "No": NO

Funding Match Waiver request?: "Yes" or "No": NO

Category		(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source* (Funding Match)	(c) Cost Share: Other State Fund Source*	(d) Total Cost
(a)	Direct Project Administration	\$ -	\$ 24,720.00		\$ 24,720.00
(b)	Land Purchase/Easement	\$ -			\$ -
(c)	Planning/Design/Engineering/ Environmental Documentation		\$ 86,700.00		\$ 86,700.00
(d)	Construction/Implementation	\$ 424,252.50	\$ 41,417.50		\$ 465,670.00
(e)	Environmental Compliance/ Mitigation/Enhancement		\$ -		\$ -
(f)	Construction Administration	\$ 51,862.50	\$ 17,287.50		\$ 69,150.00
(g)	Other Costs	\$ -	\$ 7,000.00		\$ 7,000.00
(h)	Construction/Implementation Contingency	\$ -	\$ 46,600.00		\$ 46,600.00
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 476,115.00	\$ 223,725.00	\$ -	\$ 699,840.00

The cost share non-state fund source is TCPUD is funded totally through the General Fund.

Attachment 5 - Budget Summary
Squaw Valley Public Service District and Squaw Valley Mutual Water Company
Interconnection Facility Project

The following budget summary describes the anticipated costs required to implement the SVPSD and SVMWC Interconnection Facility Project (Project). Per the grant Attachment 5, budget summary table, the estimated total Project cost is \$247,739 and is broken down as follows:

Task A: Direct Project Administration

Task A.1 Administration and Reporting: Costs of \$7,842 are based on previous costs to administer projects of similar scope and the grant reporting requirement detailed in Attachment 4, Work Summary.

Task A.2 Labor Compliance Monitoring: Cost are included in Task A.1 above and are based on SVPSD staff time to monitor contractor timesheets weekly.

Task B: Land Purchase/Easement

Costs of \$8,819 are associated with SVPSD staff time to secure the necessary easement.

Task C: Planning/Design/Engineering/Environmental Documentation

Task C.1 Planning/Design: The project planning and design is almost complete utilizing other grant funding. The remaining \$19,750 is for work on Task C.2 and C. 3 below.

Task C.2 Environmental Documentation: Includes SVPUD staff costs to complete the CEQA analysis and file the CEQA documentation,

Task C.3 Environment Permitting: Includes SVPUD staff time and the costs to secure the Placer County encroachment permit.

Task D: Construction/Implementation

Tasks D.1, D.2 and D. 3 Bidding/Contracting and Construction: Includes costs for pre-construction (bidding and contracting), preparation of conformed drawings and construction implementation. Pre and post construction costs include material testing and electrical engineering. Construction costs are estimated based on the conceptual design as performed by contracted design engineering firm.

Task E: Environmental Compliance/Mitigation/Enhancemnet

The costs for this task are \$210.00 for filing fees as referenced in Task C.2 above.

Task F: Construction Administration

The costs of \$17,898 are associated with contracted inspection work and SVPSD staff oversight of the construction of the project.

Task G: Other Costs

Task G costs of \$5000 represent the staff time and legal consultation for development of the operating agreement between SVPSD and SVMWC.

Task H: Construction/Implementation Contingency

Task H includes an industry-standard 10% contingency on the Project capital cost.

Table 7 – Project Budget

Proposal Title: Tahoe Sierra IRWM Drought
Project Title: SVPSD & SVMWD Interconnection Facility

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

		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$ 5,882.00	\$ 1,960.00		\$ 7,842.00
(b)	Land Purchase/Easement	\$ 6,614.00	\$ 2,205.00		\$ 8,819.00
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 14,812.00	\$ 4,938.00		\$ 19,750.00
(d)	Construction/Implementation	\$ 117,638.00	\$ 39,212.00		\$ 156,850.00
(e)	Environmental Compliance/Mitigation/Enhancement	\$ 158.00	\$ 52.00		\$ 210.00
(f)	Construction Administration	\$ 13,424.00	\$ 4,474.00		\$ 17,898.00
(g)	Other Costs	\$ 3,750.00	\$ 1,250.00		\$ 5,000.00
(h)	Construction/Implementation Contingency	\$ 23,528.00	\$ 7,842.00		\$ 31,370.00
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 185,806.00	\$ 61,933.00	\$ -	\$ 247,739.00

*List sources of funding: Use as much space as required

Attachment 5 - Budget Summary

Lukins Brothers Water Company Waterline Replacement Project

The following budget summary describes the anticipated costs required to implement the Lukins Brothers Water Co. Waterline Replacement Project (Project). Per the grant Attachment 5, budget summary table, the estimated total Project cost is \$903,190 and is broken down as follows:

Task A: Direct Project Administration

Task A.1 Administration and Reporting: Costs are based on previous costs to administer projects of similar scope and the grant reporting requirement detailed in Attachment 4, Work Summary. The Lukins Brothers Water Company (LUKINS) has successfully implemented previous grant funded projects and is familiar with administrative costs and estimates approximately 30 hours of staff administration time to meet this task item.

Task A.2 Labor Compliance Monitoring: Cost are based on an estimate of approximately 20 hours of staff administration time for review of contractor time sheets and records weekly.

Task B: Land Purchase Easement

There are no costs for Land Purchase Easement.

Task C: Planning/Design/Engineering/Environmental Documentation

Task C.1 Planning/Design: This project is currently in design phase and is 90% complete. The contracted cost of \$30,000 is an actual cost for design and includes engineering services during construction.

Task C.2 Environmental Documentation: Includes contracted costs to complete the CEQA analysis. The waterline project is anticipated to be exempt from CEQA, but formal determination will be made following completion of the 90% design package. The cost of \$3000 is based on historical costs for environmental evaluation and CEQA filing.

Task C.3 Environment Permitting: The cost for this item is listed in Task G below.

Task D: Construction/Implementation

Tasks D.1 and D.2 Bidding/Contracting and Construction: The \$765,400 cost for this task includes costs associated with the bid and award process and construction costs based on the conceptual design and unit prices as established during the planning and design phase by the engineering contractor. They are usual and customary for a waterline project.

Task E: Environmental Compliance/Mitigation/Enhancement

The tasks associated with Environmental Compliance/Mitigation Enhancement are included in Task C above.

Task F: Construction Administration

These costs are associated with contractual costs for providing inspections services.

Task G: Other Costs

The \$15,000 cost for this line item is to secure permits, as described in Attachment 4, for the City of South Lake Tahoe permit for working within the City Right Of Way, Tahoe Regional Planning Agency (TRPA), and LUKINS staff cost to review and approve permit submittals.

Task H: Construction/Implementation Contingency

Task H includes an industry-standard 10% contingency on the Project capital cost.

Table 7 – Project Budget

Proposal Title: Tahoe Sierra IRWM Drought

Project Title: Lukins Brothers Water Company, Inc. Waterline Project Phase 2a

Project serves a need of a DAC?: NO

Funding Match Waiver request?: NO

		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$ -	\$ 1,250.00		\$ 1,250.00
(b)	Land Purchase/Easement	\$ -	\$ -		\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ 30,000.00		\$ 30,000.00
(d)	Construction/Implementation	\$ 475,000.00	\$ 290,400.00		\$ 765,400.00
(e)	Environmental Compliance/Mitigation/Enhancement		\$ 3,000.00		\$ 3,000.00
(f)	Construction Administration	\$ -	\$ 12,000.00		\$ 12,000.00
(g)	Other costs/Permit Fees	\$ -	\$ 15,000.00		\$ 15,000.00
(h)	Construction/Implementation Contingency	\$ -	\$ 76,540.00		\$ 76,540.00
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ 475,000.00	\$ 428,190.00	\$ -	\$ 903,190.00

**List sources of funding: Lukins general operating funds are used for Project and Construction Administration costs. Additional funding provided through private loans.*