

Budget Summary

Attachment 4 presents detailed budget information and supporting documentation for the Project. The total cost of implementing the Project in this proposal is \$2,296,352. Of this amount, \$2,141,510 is being requested in 2014 Water-Energy Grant Program funds and \$47,092 as in-kind cost share.

A budget table for the Project is provided in **Table 4-1**. The Budget proposal is consistent with the categories included in the Work Plan (provided in Attachment 3) and Schedule (provided in Attachment 5).

Table 4-1: Summary Budget

Line Item	Requested Grant Funding	Cost Share:* (Non-State Fund Source)	Total	% Funding Match
Personnel Services (RCWD Labor/Overhead)	\$0	\$19,952.10	\$19,952.10	0.84%
Land/Easement Acquisition	\$0	\$0	\$0	0%
Grantee (RCWD) Expenses	\$0	\$0	\$0	0%
Equipment	\$0	\$0	\$0	0%
Professional and Consultant Services (includes all City of Temecula costs except Construction – see next item)	\$107,750.00	\$22,000.00	\$129,750.00	0.92%
Construction/Implementation Costs	\$2,141,509.70	\$94,640.00	\$2,236,149.70	3.97%
TOTAL	\$2,249,259.70	\$136,592.10	\$2,385,851.80	5.73%

**Source of Cost Share:*

Rancho California Water District Operating Budget - \$19,952

City of Temecula General Fund (annual operating budget) - \$116,640

All contracting budget estimates are based on contracting wage rates (prevailing wages) and estimated hours of work required to perform each contracted task, according to previous contracting estimates with licensed landscape contractors. RCWD and City in-kind match (Cost Share) for services includes project management, administration, inspection, and contract administration per hourly wage rates with overhead and estimated hours of work.

Budget Detail

Task 1: Administration and Reporting

Administration and Reporting Costs (Direct Project Administration Costs) of \$33,052.60 were calculated based on labor costs shown in **Table 4-2**. Direct Project Administration Costs of is under 5% of the total project costs.

Table 4-2: Administration and Reporting Costs

Activity or Deliverable	Title	Hourly Wage (\$/hr) ¹	Number of Hours	Total
Grantee				
RCWD Project Administration and Reporting	Grants Administrator	\$231.69	40	\$9,267.60
	RCWD Project Manager	\$209.50	30	\$6,285.00
City				
City Project Administration and Reporting	City Project Manager	\$100.00	100	\$10,000.00
Labor Compliance Program	City Project Manager	\$100.00	75	\$7,500.00
			Total	\$33,052.60

¹ Includes overhead rates

Task 2: Project Evaluation/Design/Engineering/Plan Approval

Project Evaluation/Design/Engineering

Project Evaluation/Design/Engineering costs of \$107,750.00 were calculated based on the task breakdown shown below. Detailed information on the cost breakdown can be found in **Table 4-3**.

Table 4-3: Final Design Costs

Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Site Irrigation Conversion Plans	Consultant	\$125.00	460	\$57,500.00
Complete Irrigation System Design Work	Consultant	\$125.00	122	\$15,250.00
Complete Plant Materials List	Consultant	\$125.00	40	\$5,000.00
Total				\$77,750.00

Plan Check and Inspection Costs

Other costs include the RCWD plan approval costs. These costs were allocated \$30,000.00 based on a lump sum estimate of \$2,500 per site as detailed in **Table 4-4**.

Table 4-4: Plan Check and Inspection Costs

Activity or Deliverable	Hourly Wage (\$/hr)	Total
RCWD Plan Check and Inspection	Lump Sum Estimate ¹	\$30,000.00
Total		\$30,000.00

¹ Source: RCWD Engineering Services Estimate based on 12 project sites

Task 3: Environmental Documentation

Environmental documentation will be processed for implementation of the Project. All City capital projects go through a standard environmental review and analysis to adhere to CEQA compliance. All work will be performed within the City right-of-way on previously developed property.

Since the project is being construction on developed property that has been previously disturbed, a Notice of Exemption (NOE) will be prepared and filed as required. These costs were allocated \$1,500.00 based on the estimate as detailed in **Table 4-5**.

Table 4-5: Environmental Documentation Costs

Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Environmental Documentation: NOE	City Planning Associate	\$83.33	18	\$1,500.00
Total				\$1,500.00

Task 4: Permitting

The City will prepare application for and obtain all necessary permits required. The costs allocated for Permitting is \$1,000.00 were calculated based on the task detail shown below in **Table 4-6**.

Table 4-6: Permitting Costs

Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Application and Permits	City Project Manager	\$100.00	10	\$1,000.00
Total				\$1,000.00

Task 5: Project Monitoring Plan

The Project Monitoring Plan is allocated \$2,838.00 based on the detailed labor cost below in **Table 4-7**.

Table 4-7: Project Monitoring Plan

Activity or Deliverable	Title	Hourly Wage (\$/hr)	Number of Hours	Total
Grantee				
Develop Project Monitoring Plan	RCWD Project Manager	\$209.50	5	\$838.00
City				
Implement Project Monitoring Plan	City Project Manager	\$100.00	20	\$2,000.00
Total				\$2,838.00

Task 6: Project Construction/Implementation

Construction Contracting

Construction Contracting is allocated \$1,000.00 based on the detailed labor cost below in **Table 4-8**.

Table 4-8: Construction Contracting Costs

Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Bid Process; Award and Execute Contracts	City Project Manager	\$100.00	10	\$1,000.00
			Total	\$1,000.00

Project Construction/Implementation

Construction/Implementation is allocated \$2,276,399.70 based on the task detail shown below.

Mobilization and Site Preparation

Mobilization and Site Preparation are estimated to cost \$10,511.00 based on the detailed labor costs below in **Table 4-9**.

Table 4-9: Mobilization and Site Preparation Costs

Labor				
Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Turf Removal	Landscape Labor	\$45.70	230	10,511.00
			Total	\$10,511.00

Project Construction

The Project Construction cost estimate of \$2,130,998.70 is based on the detailed labor costs below in **Table 4-10**. This total does not include the turf removal costs; these costs are included in Table 4-9.

RCWD/City of Temecula Non-functional Turf Removal
and Irrigation Upgrade Project

Budget

Table 4-10: Construction Costs

Materials				
Activity or Deliverable	Materials	Unit Cost	Number of Units	Total
Spray Turf Areas	Emulsion	\$185.00	12	\$2,220.00
Remove Dead Turf	Miscellaneous Tools		LS	\$98,000.00
Install Drip Irrigation System	Miscellaneous		LS	\$210,000.00
Install High Efficiency Nozzles	Miscellaneous		LS	\$180,858.00
Install and Program Smart Controller	Smart Controller	\$5,550	24	\$133,200.00
Install Plant Materials	Drought Tolerant Plants		LS	\$475,000.00
Install Soil Amendments	Compost		LS	\$230,000.00
Replace Remaining Turf Areas	Mulch	\$1.23	388,820	\$478,248.60
Install Educational/ Informational Signage	Signs: 1) Source of Funding Signs (DWR 2014 Water Energy Grant) at each Project site; and 2) Educational Signs at each Project site	\$178.00	24	\$4,272.00
Materials Subtotal				\$1,811,798.60

RCWD/City of Temecula Non-functional Turf Removal
and Irrigation Upgrade Project

Budget

Labor				
Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Spray Turf Areas	Landscape Labor	\$45.70	570	\$26,049.00
Remove Dead Turf	Landscape Labor	\$45.70	910	\$41,587.00
Install Drip Irrigation System	Landscape Labor	\$45.70	806	\$36,834.20
Install High Efficiency Nozzles	Landscape Labor	\$45.70	783	\$35,783.10
Install and Program Smart Controller	Landscape Labor	\$45.70	790	\$36,103.00
Install Plant Materials	Landscape Labor	\$45.70	1420	\$64,894.00
Install Soil Amendments	Landscape Labor	\$45.70	919	\$41,998.30
Replace Remaining Turf Areas	Landscape Labor	\$45.70	695	\$31,761.50
Install Educational/ Informational Signage	Landscape Labor III	\$41.90	100	\$4,190.00
Labor Sub-Total				\$319,200.10
Total Construction				\$2,130,998.70

Performance Testing and Demobilization

The Performance testing and demobilization cost estimate of \$6,414.00 is based on the detailed labor costs below in **Table 4-11**.

RCWD/City of Temecula Non-functional Turf Removal
and Irrigation Upgrade Project

Budget

Table 4-11: Performance Testing and Demobilization Costs

Activity or Deliverable	Discipline	Unit Cost	Number of Units	Total
Grantee				
Post-Conversion Consumption Monitoring	RCWD Project Manager	\$209.50	12	\$2,514.00
City				
Post-Conversion Irrigation System Audits and Demobilization	City Landscape Inspector	\$70.00	20	\$1,400.00
Post-Conversion Consumption Monitoring	Project Manager	\$100.00	25	\$2,500.00
			Total	\$6,414.00

Public Outreach

Public Outreach costs allocated is \$1,287.50 based on the detailed labor cost below in **Table 4-12**.

Table 4-12: Public Outreach

Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Grantee				
Public Outreach Materials/Activities	RCWD Project Manager	\$209.50	5	\$1,047.50
City				
Public Outreach Materials/Activities	City Administration	\$48.00	5	\$240.00
			Total	\$1,287.50

RCWD/City of Temecula Non-functional Turf Removal
and Irrigation Upgrade Project

Budget

Construction Administration

Construction Administration cost allocated is \$89,500.00 and is detailed in **Table 4-13**.

Table 4-13: Construction Administration

Activity or Deliverable	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Construction Administration	City Project Manager	\$100.00	895	\$89,500.00
			Total	\$89,500.00