

Attachment 4.1 – Supporting Documents

Budget

Madera Region – IRWM Implementation Grant Application

Round 2

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**Attachment 4.1, Summary Budget Commentary and DWR Economic
Analysis Table 8**

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Table 8 – Summary Budget

Proposal Title: Madera Region IRWM Implementation Grant, Round 2

	(a)	(b)	(c)	(d)	(e)
Individual Project Title	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	% Funding Match (col. b/col. d)
(a) Project A, Grant Administration	\$ 152,500	\$ 40,000	\$ -	\$ 202,500	19.75%
(b) Project B, MD19 Parkwood Water Supply and Water Meters	\$ 1,999,333	\$ -	\$ -	\$ 1,999,333	0.00%
(c) Project C, MD8 North Fork/ South Fork Sewer System Improvements	\$ 2,346,848	\$ 48,500	\$ -	\$ 2,395,348	2.02%
(d) Project D, Brockman Flood Control Basin	\$ 750,490	\$ 264,500	\$ -	\$ 1,014,990	26.06%
(e) Project E, CSA14 Chuk-Chanse Sewer System Improvements and Water Meters	\$ 339,825	\$ -	\$ -	\$ 339,825	0.00%
(f) Project F, MD33 Fairmead Wastewater Collection, Treatment and Disposal Plans	\$ 831,000	\$ -	\$ -	\$ 831,000	0.00%
(i) Proposal Total (Sum rows (a) through (h) for each column)	\$ 6,419,996	\$ 353,000	\$ -	\$ 6,782,996	5.20%
(j) DAC Funding Match Waiver Total (Sum column (d) only for projects seeking DAC funding match waiver in rows (a) through (h))	\$ 5,517,006	\$ 48,500	\$ -	\$ 5,565,506	0.87%
(k) Grand Total (Subtract row (j) from row (i) and recalculate column (e) – Funding Match %)	\$ 902,990	\$ 304,500	\$ -	\$ 1,217,490	25.01%

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Attachment 4.1, Project A – Grant Administration

Budget Notes

The budget items are explained in the budget spreadsheet. For a more detailed justification of tasks, see Attachment 3.1, page 15 – Scope of Work for Grant Administration.

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Project A - Detailed Budget

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**Madera Integrated Regional Water Management Group
Implementation Grant Application - Round 2
Project A, Grant Administration**



TASK		No. Items	Principal Engineer \$170	Senior Engineer \$135	EIT Engineer \$105	Admin \$65	Sec/Treas \$80	Mileage \$0.56	Expenses Copies (\$)	Total Hours	Subtotal	Inflation (10%)	Conting. (15%)	Total Fee (rounded)
1	Project Administration		210	95	30	20	0	600	100	355	\$53,411	\$5,341	\$8,813	\$67,600
1.1	Administer Contract	1 Contract	20			20			50	40	\$4,750			
1.2	Bi-weekly Phone Conversations with DWR	65 Phone Calls	130	65						195	\$30,875			
1.3	Bi-monthly Project Meetings	30 Meetings	60	30	30			600	50	120	\$17,786			
2	Project Accounting		0	0	80	0	450	0	100	530	\$44,500	\$4,450	\$7,343	\$56,300
2.1	Establish Accounting System for Each Project	5 Projects					75		125	75	\$6,125			
2.2	Track Project Expenditures	30 Months					240		50	240	\$19,250			
2.3	Review and Submit Pay Requests to State	10 Pay Requests			80		80			160	\$14,800			
2.4	Disburse Funds to Project Participants	10 Pay Requests					125			125	\$10,000			
3	Labor Compliance Plans	4 Projects	0	0	24	0	0	0	100	24	\$2,620	\$262	\$432	\$3,300
4	Reporting		20	110	210	190	0	500	1,600	530	\$54,530	\$5,453	\$8,997	\$69,000
4.1	Quarterly Progress Reports	10 Progress Reports		40	40	80			500	160	\$15,300			
4.2	Annual Progress Reports	3 Annual Reports		30	30	70			300	130	\$12,050			
4.3	Final Project Reports	1 Final Report	20	20	20	40			200	100	\$11,000			
4.4	Data Management and Monitoring Reports	5 Projects			100				500	100	\$11,000			
4.5	Field Review Visits	4 Site Visits		20	20			500	100	40	\$5,180			
5	Development of Financing		0	0	40	0	10	0	0	50	\$5,000	\$500	\$825	\$6,300
Total units			230	205	384	210	460	1,100	1,900	2,974				
Total \$			\$39,100	\$27,675	\$40,320	\$13,650	\$36,800	\$616	\$1,900		\$160,061	\$16,006	\$26,410	\$202,500

Notes:

- 1) Cost estimate assumes that total contract duration is 30 months
- 2) Inflationary adjustment assumes average salaries over the five year period are ten percent higher than current salaries.
- 4) No Labor Compliance Plan for Project F, Fairmead, as it will not involve construction

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Project A - Table 7 Project Budget

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Table 7 – Project Budget

Proposal Title: Madera County IRWM Grant Application, Round 2

Project Title: Project A, Grant Administration

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

Funding Match Waiver request?: "Yes" or "No" **YES**

		(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	\$152,500.00	\$50,000.00	\$0.00	\$202,500.00
(b)	Land Purchase/Easement				\$0.00
(c)	Planning/Design/Engineering/ Environmental Documentation				\$0.00
(d)	Construction/Implementation				\$0.00
(e)	Environmental Compliance/ Mitigation/Enhancement				\$0.00
(f)	Construction Administration				\$0.00
(g)	Other Costs (Permitting)				\$0.00
(h)	Construction/Implementation Contingency				\$0.00
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$152,500.00	\$50,000.00	\$0.00	\$202,500.00

*List sources of funding:

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Attachment 4.1, Project B - MD19 Parkwood Water Supply and Meters

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Attachment 4.1, Project B – MD19 Parkwood Water Supply and Meters

Budget Notes

The budget details in this attachment are organized into a format provided with the grant Proposal Solicitation Package. A detailed breakdown of all tasks and construction costs described in the Work Plan is included in the table at the end of this attachment. The costs associated are reasonable as they are based primarily from actual costs associated with similar tasks for other canal structure and pipeline construction projects. All construction costs are based on local prevailing wage rates.

Below is a discussion of the budget for each of the work tasks included.

Direct Project Administration Costs

Direct Project Administration Costs include tasks 1, 2, 3 and 4.

County staff will prepare all of the required reporting information. The budget for this task is for administrative tasks including preparation of the quarterly project reports, draft and final project summary report.

The budget also includes monies for the engineering consultant for conference calls, meetings, progress reports, sub-consultant management, and overall project coordination. This includes a nominal budget for printing, communications and travel expenses.

Land Purchase/Easement

Land Purchase/Easement Costs include task 5.

This project will not require the purchase of land or require any additional easements. All easements already exist and all property is owned by the county for the new well site. All easements are tied to the property in the event of a sale.

Planning/Design/Engineering/Environmental Documentation

Planning/Design/Engineering/Environmental Documentation includes tasks 6, 7, 8, and 9.

The fees for planning, design, engineering, environmental documentation and permitting are based on estimated tasks and subtasks. These estimates were created largely based on the efforts to plan and design similar projects.

Construction/Implementation

Construction and implementation fees are estimates based on similar projects' expenses.

Environmental Compliance/Mitigation/Enhancement

Environmental Compliance /Mitigation/Enhancement Costs includes task 12.

There is no cost associated to the project under this summary cost.

Construction Administration

Construction administration costs are based on estimated requirements needed to manage the project, observe construction and administer the construction contract. These are based on the experience from similar projects.

Other Costs

Other costs include legal fees to assist with permitting, construction contracts, and easement processing. Also included are the costs of various permits and construction and initial project monitoring and reporting.

Construction Implementation Contingency

The construction contingency is estimated to be 15%. The contingencies account for uncertainty in designs, construction costs, and allowance for neglected items.

Matching Funds

The total project cost is estimated to be \$1,999,332.50. Since MD-19 A & B is a Disadvantaged Community, the County is seeking grant funds for the entire amount, without a local match.

Project Tracking and Invoicing

Project costs will be tracked and invoiced according to the main project tasks, and not according to sub-task.

Refer to Electronic Attachment 4.2B a - Parkwood 2012-2013 Recommended Water, Sewer, and Street Lights Operations and Maintenance Budget for more information.

Project B - Detailed Project Budget

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Detailed Project Budget

Proposal Title: Madera Region IRWM Implementation Projects - Round 2
 Project Title: Project B, MD19 Parkwood Water Supply and Water Meters

Task No.	Task Description	Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
a	Direct Project Administration Costs	\$ -	\$ -	\$ 33,000.00	\$ 33,000.00	0%
1	Administration			\$ 15,000.00	\$ 15,000.00	0%
2	Labor Compliance			\$ 7,500.00	\$ 7,500.00	0%
3	Reporting			\$ 7,500.00	\$ 7,500.00	0%
4	Development of Financing			\$ 3,000.00	\$ 3,000.00	0%
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	N/A
5	Land Acquisition/Easement			N/A	\$ -	N/A
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ 200,000.00	\$ 200,000.00	0%
6	Assessment and Evaluation, Deliverable, and Technical Studies	\$ -	\$ -	\$ 35,000.00	\$ 35,000.00	0%
7	Engineering Design & Survey (30%, 90%, & Final)		\$ -	\$ 150,000.00	\$ 150,000.00	0%
8	Environmental Documentation		\$ -	\$ 10,000.00	\$ 10,000.00	0%
9	Permitting		\$ -	\$ 5,000.00	\$ 5,000.00	0%
d	Construction/Implementation	\$ -		\$ 1,328,050.00	\$ 1,328,050.00	0%
10	Construction Contracting			\$ 5,000.00	\$ 5,000.00	0%
11	Implementation		\$ -	\$ 1,323,050.00	\$ 1,323,050.00	0%
11.1	Project Mobilization/ On-Going Duties		\$ -	\$ 35,000.00	\$ 35,000.00	0%
11.2	Insurance and Bonds		\$ -	\$ 15,000.00	\$ 15,000.00	0%
11.3	Test Well: Drilling, Sampling, and Testing		\$ -	\$ 110,000.00	\$ 110,000.00	0%
11.4	Production Well: Drilling, Sampling, and Testing		\$ -	\$ 225,000.00	\$ 225,000.00	0%
11.5	Furnish and Install Pump and Motor		\$ -	\$ 70,000.00	\$ 70,000.00	0%
11.6	Furnish and Install Electrical SCADA		\$ -	\$ 100,000.00	\$ 100,000.00	0%
11.7	Site Development Piping and Fencing			\$ 50,000.00	\$ 50,000.00	0%
11.8	Furnish and Install Hydro Pneumatic Tank and Appurtenances			\$ 60,000.00	\$ 60,000.00	0%
11.9	Furnish and Install Standby Generator and Transfer Switch			\$ 80,000.00	\$ 80,000.00	0%
11.10	Furnish and Install Water Meters and Appurtenances		\$ -	\$ 348,150.00	\$ 348,150.00	0%
11.11	Furnish and Install Meter Boxes			\$ 189,900.00	\$ 189,900.00	0%
11.12	Furnish and Install Hardware and Software for Meter Reading Equipment			\$ 30,000.00	\$ 30,000.00	0%
11.13	Project Site Demobilization			\$ 10,000.00	\$ 10,000.00	0%
e	Environmental Compliance/ Mitigation/Enhancement	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	0%
12	Environmental/ Mitigation/ Enhancement		\$ -	\$ 5,000.00	\$ 5,000.00	0%
f	Construction Administration	\$ -		\$ 170,000.00	\$ 170,000.00	0%
13	Construction Administration			\$ 170,000.00	\$ 170,000.00	0%
13.1	Construction Administration			\$ 25,000.00	\$ 25,000.00	0%
13.2	Construction Observation and Inspection			\$ 140,000.00	\$ 140,000.00	0%
13.3	Record Drawings		\$ -	\$ 5,000.00	\$ 5,000.00	0%
g	Other	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00	0%
14	Permitt, Monitoring and Reporting		\$ -	\$ 2,500.00	\$ 2,500.00	0%
14.1	Legal fees		\$ -	\$ 1,500.00	\$ 150.00	0%
14.2	SWPPP annual fee		\$ -	\$ 500.00	\$ 500.00	0%
14.2	Madera County Encroachment Permit		\$ -	\$ 500.00	\$ 500.00	0%
h	Construction/Implementation Contingency (15%)	\$ -		\$ 260,782.50	\$ 260,782.50	0%
	TOTAL	\$ -	\$ -	\$ 1,999,332.50	\$ 1,999,332.50	0%

Notes:

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Project B - Table 7 Project Budget

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Table 7 – Project Budget

Proposal Title: Madera County

Project Title: **MD19 Parkwood Water Supply and Water Meters**

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

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

		(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	\$33,000.00	\$0.00	\$0.00	\$33,000.00
(b)	Land Purchase/Easement	\$0.00	\$0.00	\$0.00	\$0.00
(c)	Planning/Design/Engineering/ Environmental Documentation	\$200,000.00	\$0.00	\$0.00	\$200,000.00
(d)	Construction/Implementation	\$1,328,050.00	\$0.00	\$0.00	\$1,328,050.00
(e)	Environmental Compliance/ Mitigation/Enhancement	\$5,000.00	\$0.00	\$0.00	\$5,000.00
(f)	Construction Administration	\$170,000.00	\$0.00	\$0.00	\$170,000.00
(g)	Other Costs (Permitting)	\$2,500.00	\$0.00	\$0.00	\$2,500.00
(h)	Construction/Implementation Contingency	\$260,782.50	\$0.00	\$0.00	\$260,782.50
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$1,999,332.50	\$0.00	\$0.00	\$1,999,332.50

*List sources of funding: This project serves the disadvantaged community of South Fork with a Median Household Income of less than \$48,706 (MHI is \$XXXXX). As a result, an exemption for the local match is being requested. The project also meets the Program Preference for a critical water quality need: Replacement of failing septic systems with a system that provides for the long term wastewater treatment needs of the community.

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**Attachment 4.1, Project C - MD8 North Fork/ South Fork Sewer
System Improvements**

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Attachment 4.1, Project C – MD8 North Fork/ South Fork Sewer System Improvements

Budget Notes

The budget details in this attachment are organized into a format provided with the grant Proposal Solicitation Package. A detailed breakdown of all tasks and construction costs described in the Work Plan is included in the table at the end of this attachment. The costs associated are reasonable as they are based primarily from actual costs associated with similar tasks for other canal structure and pipeline construction projects. All construction costs are based on local prevailing wage rates.

Below is a discussion of the budget for each of the work tasks included.

Direct Project Administration Costs

Direct Project Administration Costs include tasks 1, 2, 3 and 4.

County staff will prepare all of the required reporting information. The budget for this task is for administrative tasks including preparation of the quarterly project reports, draft and final project summary report.

The budget also includes monies for the engineering consultant for conference calls, meetings, progress reports, sub-consultant management, and overall project coordination. This includes a nominal budget for printing, communications and travel expenses.

Land Purchase/Easement

Land Purchase/Easement Costs include task 5.

The County has already secured the property, through easements with the property owners. All easements have been made with property owners that will receive benefits from this project in order to avoid costs. All easements will be tied to the property in the event of a sale.

Planning/Design/Engineering/Environmental Documentation

Planning/Design/Engineering/Environmental Documentation includes tasks 6, 7, 8, and 9.

The fees for planning, design, engineering and environmental documentation are based on estimated tasks and subtasks. These estimates were created largely based on the efforts to plan and design similar projects.

Construction/Implementation

Construction and implementation fees are estimates based on similar projects' expenses.

Environmental Compliance/Mitigation/Enhancement

Environmental Compliance /Mitigation/Enhancement Costs includes task 12.

There is no cost associated to the project under this summary cost.

Construction Administration

Construction administration costs are based on estimated requirements needed to manage the project, observe construction and administer the construction contract. These are based on the experience from similar projects.

Other Costs

Other costs include legal fees to assist with permitting, construction contracts, and easement processing. Also included are the costs of various permits and construction and initial project monitoring and reporting.

Construction Implementation Contingency

The construction contingency is estimated to be 15%. The contingencies account for uncertainty in designs, construction costs, and allowance for neglected items.

Matching Funds

The total project cost is estimated to be \$2,370,348. Since MD8 is a Disadvantaged Community, the County is seeking grant funds for the entire amount, without a local match.

Project Tracking and Invoicing

Project costs will be tracked and invoiced according to the main project tasks, and not according to sub-task.

Project C Project Budget

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Table 7 – Project Budget

Proposal Title: Madera County

Project Title: MD8 North Fork/ South Fork Sewer System Improvements

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

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

		(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	\$36,441.00	\$47,500.00	\$0.00	\$83,941.00
(b)	Land Purchase/Easement	\$0.00	\$0.00	\$0.00	\$0.00
(c)	Planning/Design/Engineering/Environmental Documentation	\$167,882.00	\$0.00	\$0.00	\$167,882.00
(d)	Construction/Implementation	\$1,678,820.00	\$0.00	\$0.00	\$1,678,820.00
(e)	Environmental Compliance/Mitigation/Enhancement	\$83,941.00	\$0.00	\$0.00	\$83,941.00
(f)	Construction Administration	\$83,941.00	\$0.00	\$0.00	\$83,941.00
(g)	Other Costs (Permitting)	\$44,000.00	\$1,000.00	\$0.00	\$45,000.00
(h)	Construction/Implementation Contingency	\$251,823.00	\$0.00	\$0.00	\$251,823.00
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$2,346,848.00	\$48,500.00	\$0.00	\$2,395,348.00

*List sources of funding: This project serves the disadvantaged community of South Fork with a Median Household Income of less than \$48,706 (MHI is \$20,999). As a result, an exemption for the local match is being requested. The project also meets the Program Preference for a critical water quality need: Replacement of failing septic systems with a system that provides for the long term wastewater treatment needs of the community.

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Attachment 4.1, Project D - Brockman Flood Control Basin

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Attachment 4.1, Project D – Brockman Flood Control Basin

Budget Notes

The budget details in this attachment are organized into a format provided with the grant Proposal Solicitation Package. A detailed breakdown of all tasks and construction costs described in the Work Plan is included in the table at the end of this attachment. The costs associated are reasonable as they are based primarily from actual costs associated with similar tasks for other similar construction projects in the local area. All construction costs are based on local prevailing wage rates.

Also included is supporting information for the budget prepared, including:

- Attachment 4.4, page 27 – Detailed Budget of All Tasks in the Work plan

Below is a discussion of the budget for each of the work tasks included.

Direct Project Administration Costs

Direct Project Administration Costs include tasks 1, 2, 3 and 4.

Madera County staff will prepare all of the required reporting information. The budget for this task is for administrative tasks including preparation of the quarterly project reports, draft and final project summary report.

The budget also includes monies for the engineering consultant for conference calls, meetings, progress reports, sub-consultant management, and overall project coordination. This includes a nominal budget for printing, communications and travel expenses.

Land Purchase/Easement

Land Purchase/Easement Costs include task 5.

Madera County has already secured an Memorandum of Understand letter for the donation of the needed property (See Electronic Attachment 3.2D e). The donated parcel will be a portion of the existing parcel. Final closing documents with the County will take place after survey and biological work are complete to determine the final site boundary. A Certified Appraisal Report will be completed at that time.

Refer to Electronic Attachment 4.2D a – Brockman Land Value Estimation for the Estimated Value that has been analyzed for more information.

Planning/Design/Engineering/Environmental Documentation

Planning/Design/Engineering/Environmental Documentation includes tasks 6, 7, 8, and 9.

The costs for planning, design, engineering and environmental documentation are based on estimated tasks and subtasks. These estimates were created largely based on the efforts to plan and design similar projects.

Construction/Implementation

Construction and implementation fees are estimates based on similar projects' expenses.

Environmental Compliance/Mitigation/Enhancement

Environmental Compliance /Mitigation/Enhancement Costs includes task 12.

Environmental fees are expected to be minimal. The site is highly disturbed with annual discing, growing of winter wheat and sheep grazing. Compliance fees estimated for minor impact to "blue line stream" per Department of Fish & Game.

Construction Administration

Construction administration costs are based on estimated requirements needed to manage the project, observe construction and administer the construction contract. These are based on the experience from similar projects.

Other Costs

Other costs include fees to assist with the costs of various permits and construction and initial project monitoring and reporting.

Construction Implementation Contingency

The construction contingency is estimated to be 15%. The contingencies account for uncertainty in designs, construction costs, and allowance for neglected items. This percentage is appropriate for a project at this level of design development. The contingency percentage may be reduced as greater project detail becomes known.

Matching Funds

The total project cost is estimated to be \$1,014,990. This project is the only one in this proposal which does not affect a DAC. Madera County is seeking grant funds of \$750,490 and will provide funding for the remaining \$264,500. Madera County will be funding 26% of the project costs.

Project Tracking and Invoicing

Project costs will be tracked and invoiced according to the main project tasks, and not according to sub-task.

Project D Detailed Project Budget

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Detailed Project Budget

Proposal Title: Madera Region IRWM Implementation Projects - Round 2
 Project Title: Project D, Brockman Flood Control Basin

Task No.	Task Description	Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
a	Direct Project Administration Costs	\$ -	\$ 35,000.00	\$ -	\$ 35,000.00	100%
1	Project Administration		\$ 15,000.00	\$ -	\$ 15,000.00	100%
2	Labor Compliance Program		\$ 7,500.00	\$ -	\$ 7,500.00	100%
3	Reporting		\$ 7,500.00	\$ -	\$ 7,500.00	100%
4	Financing Development		\$ 5,000.00	\$ -	\$ 5,000.00	100%
b	Land Purchase/Easement	\$ -	\$ 149,500.00	\$ -	\$ 149,500.00	100%
5	Land Acquisition/Easement		\$ 149,500.00	\$ -	\$ 149,500.00	100%
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ 140,000.00	\$ 140,000.00	0%
6	Assessment and Evaluation, Deliverable, and Technical Studies	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00	0%
7	Design (50% & Final)		\$ -	\$ 80,000.00	\$ 80,000.00	0%
8	Environmental Documentation		\$ -	\$ 10,000.00	\$ 10,000.00	0%
9	Permitting		\$ -	\$ 25,000.00	\$ 25,000.00	0%
d	Construction/Implementation	\$ -	\$ 2,500.00	\$ 442,600.00	\$ 445,100.00	1%
10	Construction Contracting		\$ 2,500.00	\$ 7,500.00	\$ 10,000.00	25%
11	Project Construction		\$ -	\$ 435,100.00	\$ 435,100.00	0%
11.1	Project Mobilization/On-Going Duties		\$ -	\$ 30,000.00	\$ 30,000.00	0%
11.2	MID Turnout & Metering Structure		\$ -	\$ 75,000.00	\$ 75,000.00	0%
11.3	Outfall to Basin		\$ -	\$ 15,000.00	\$ 15,000.00	0%
11.4	In-Channel Bypass/Turnout		\$ -	\$ 45,000.00	\$ 45,000.00	0%
11.5	Earthwork -Clearing & Excavation of Basin		\$ -	\$ 162,100.00	\$ 162,100.00	0%
11.6	In-Channel Grading & Finish Grading		\$ -	\$ 55,750.00	\$ 55,750.00	0%
11.7	6' Chainlink Perimeter Fencing		\$ -	\$ 47,250.00	\$ 47,250.00	0%
11.8	Project Site Cleanup/De-Mobilization		\$ -	\$ 5,000.00	\$ 5,000.00	0%
e	Environmental Compliance/ Mitigation/Enhancement	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	0%
12	Environmental Compliance/ Mitigation/Enhancement		\$ -	\$ 5,000.00	\$ 5,000.00	0%
f	Construction Administration	\$ -	\$ 62,500.00	\$ 32,500.00	\$ 95,000.00	66%
13	Construction Observation		\$ 62,500.00	\$ 32,500.00	\$ 95,000.00	66%
13.1	Construction Administration		\$ 2,500.00	\$ 15,000.00	\$ 17,500.00	14%
13.2	Construction Observation and Inspection		\$ 60,000.00	\$ 15,000.00	\$ 75,000.00	80%
13.3	Record Drawings		\$ -	\$ 2,500.00	\$ 2,500.00	0%
g	Other	\$ -	\$ -	\$ 13,000.00	\$ 13,000.00	0%
14	Other Costs		\$ -	\$ 13,000.00	\$ 13,000.00	0%
14.1	Stormwater Pollution Prevention Plan (SWPPP) annual fees ¹		\$ -	\$ 500.00	\$ 500.00	0%
14.2	Monitoring and assessment reporting during construction & initial water diversion		\$ -	\$ 12,500.00	\$ 12,500.00	0%
h	Construction/Implementation Contingency (15%)	\$ -	\$ 15,000.00	\$ 117,390.00	\$ 132,390.00	11%
	TOTAL	\$ -	\$ 264,500.00	\$ 750,490.00	\$ 1,014,990.00	26%

Notes:

1. Approximately 13 acres of disturbed area

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Project D - Table 7 Project Budget

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Table 7 – Project Budget

Proposal Title: MADERA COUNTY

Project Title: Project D, Brockman Flood Control Basin

Project serves a need of a DAC?: "Yes" or "No" **8**

Funding Match Waiver request?: "Yes" or "No" **8**

		(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	\$0	\$35,000	\$0	\$35,000
(b)	Land Purchase/Easement	\$0	\$149,500	\$0	\$149,500
(c)	Planning/Design/Engineering/ Environmental Documentation	\$140,000	\$0	\$0	\$140,000
(d)	Construction/Implementation	\$442,600	\$2,500	\$0	\$445,100
(e)	Environmental Compliance/ Mitigation/Enhancement	\$5,000	\$0	\$0	\$5,000
(f)	Construction Administration	\$32,500	\$62,500	\$0	\$95,000
(g)	Other Costs	\$13,000	\$0	\$0	\$13,000
(h)	Construction/Implementation Contingency	\$117,390	\$15,000	\$0	\$132,390
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$750,490	\$264,500	\$0	\$1,014,990

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

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**Attachment 4.1, Project E – CSA14 Chuk-Chanse Sewer System
Improvements**

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Attachment 4.1, Project E –CSA14 Chuk-Chanse Sewer System Improvements

Budget Notes

The budget details in this attachment are organized into a format provided with the grant Proposal Solicitation Package. A detailed breakdown of all tasks and construction costs described in the Work Plan is included in the table at the end of this attachment. The costs associated are reasonable as they are based primarily from actual costs associated with similar tasks for other canal structure and pipeline construction projects. All construction costs are based on local prevailing wage rates.

Below is a discussion of the budget for each of the work tasks included.

Direct Project Administration Costs

Direct Project Administration Costs include tasks 1, 2, 3 and 4.

County staff will prepare all of the required reporting information. The budget for this task is for administrative tasks including preparation of the quarterly project reports, draft and final project summary report.

The budget also includes monies for the engineering consultant for conference calls, meetings, progress reports, sub-consultant management, and overall project coordination. This includes a nominal budget for printing, communications and travel expenses.

Land Purchase/Easement

Land Purchase/Easement Costs include task 5.

This project will require the purchase of required additional easements. An easement will be required along the western edge of the disposal ponds due to insufficient space between the existing levee and the adjacent property line of the orchard. All easements are tied to the property in the event of a sale.

Planning/Design/Engineering/Environmental Documentation

Planning/Design/Engineering/Environmental Documentation includes tasks 6, 7, 8, and 9.

The fees for planning, design, engineering, environmental documentation and permitting are based on estimated tasks and subtasks. These estimates were created largely based on the efforts to plan and design similar projects.

Construction/Implementation

onstruction and implementation fees are estimates based on similar projects' expenses.

Environmental Compliance/Mitigation/Enhancement

Environmental Compliance /Mitigation/Enhancement Costs includes task 12.

Compliance cost associated with the mitigation measures required from the CEQA document created in Task 8.

Construction Administration

Construction administration costs are based on estimated requirements needed to manage the project, observe construction and administer the construction contract. These are based on the experience from similar projects.

Other Costs

Other costs include legal fees to assist with permitting, construction contracts, and easement processing. Also included are the costs of various permits and construction and initial project monitoring and reporting.

Construction Implementation Contingency

The construction contingency is estimated to be 15%. The contingencies account for uncertainty in designs, construction costs, and allowance for neglected items.

Matching Funds

The total project cost is estimated to be \$339,825.00. Since SD-14 is a Disadvantaged Community, the County is seeking grant funds for the entire amount, without a local match.

Project Tracking and Invoicing

Project costs will be tracked and invoiced according to the main project tasks, and not according to sub-task.

Refer to Electronic Attachment 4.2E a - Chuk-Chanse 2012-2013 Recommended Water, Sewer, and Street Lights Operations and Maintenance Budget for more information.

Project E Detailed Project Budget

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Detailed Project Budget

Proposal Title: Madera Region IRWM Implementation Projects - Round 2
 Project Title: Project E - CSA14 Chuk-Chanse Sewer System Improvements

Task No.	Task Description	Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
a	Direct Project Administration Costs	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00	0%
1	Administration			\$ 5,000.00	\$ 5,000.00	0%
2	Labor Compliance			\$ 2,500.00	\$ 2,500.00	0%
3	Reporting			\$ 1,500.00	\$ 1,500.00	0%
4	Development of Financing			\$ 1,000.00	\$ 1,000.00	0%
b	Land Purchase/Easement	\$ -	\$ -	\$ 8,000.00	\$ 8,000.00	N/A
5	Land Acquisition/Easement			\$ 8,000.00	\$ 8,000.00	N/A
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ 69,000.00	\$ 69,000.00	0%
6	Assessment and Evaluation, Deliverable, and Technical Studies	\$ -	\$ -	\$ 9,000.00	\$ 9,000.00	0%
7	Engineering Design & Survey (30%, 90%, Final)		\$ -	\$ 40,000.00	\$ 40,000.00	0%
8	Environmental Documentation		\$ -	\$ 15,000.00	\$ 15,000.00	0%
9	Permitting		\$ -	\$ 5,000.00	\$ 5,000.00	0%
d	Construction/Implementation	\$ -	\$ -	\$ 161,000.00	\$ 161,000.00	0%
10	Construction Contracting			\$ 5,000.00	\$ 5,000.00	0%
11	Implementation		\$ -	\$ 156,000.00	\$ 156,000.00	0%
11.1	Project Mobilization/ On-Going Duties		\$ -	\$ 7,500.00	\$ 7,500.00	0%
11.2	Insurance and Bonds		\$ -	\$ 5,000.00	\$ 5,000.00	0%
11.3	500 Lin feet of 12" Sewer Pipe Replacement			\$ 25,000.00	\$ 25,000.00	0%
11.4	Furnish and Install 4-48" Sewer Manholes			\$ 16,000.00	\$ 16,000.00	0%
11.5	300 Lin Feet of Trenching rock and back fill for drain	\$ -	\$ -	\$ 45,000.00	\$ 45,000.00	0%
11.6	Furnish and Install Water Meters and Appurtenances	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00	0%
11.7	Furnish and Install Meter Boxes			\$ 10,000.00	\$ 10,000.00	0%
11.8	Furnish and Install Hardware and Software for self reading meters			\$ 20,000.00	\$ 20,000.00	0%
11.9	Project Site Cleanup/ Demobilization			\$ 2,500.00	\$ 2,500.00	0%
e	Environmental Compliance/ Mitigation/Enhancement	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	0%
12	Environmental/ Mitigation/ Enhancement		\$ -	\$ 5,000.00	\$ 5,000.00	0%
f	Construction Administration	\$ -	\$ -	\$ 40,500.00	\$ 40,500.00	0%
13	Construction Administration			\$ 40,500.00	\$ 40,500.00	0%
13.1	Construction Administration			\$ 4,000.00	\$ 4,000.00	0%
13.2	Construction Observation and Inspection			\$ 35,000.00	\$ 35,000.00	0%
13.3	Record Drawings		\$ -	\$ 1,500.00	\$ 1,500.00	0%
g	Other	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00	0%
14	Permits, Monitoring and Reporting		\$ -	\$ 2,000.00	\$ 2,000.00	0%
14.1	Legal		\$ -	\$ 1,500.00	\$ 1,500.00	0%
14.2	Permitting		\$ -	\$ 500.00	\$ 500.00	0%
h	Construction/Implementation Contingency (15%)	\$ -	\$ -	\$ 44,325.00	\$ 44,325.00	0%
	TOTAL	\$ -	\$ -	\$ 339,825.00	\$ 339,825.00	0%

Notes:

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Project E - Table 7 Project Budget

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Table 7 – Project Budget

Proposal Title: Madera County

Project Title: E, CSA14 Chuk-Chanse Sewer System Improvements

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

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

		(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	\$10,000.00	\$0.00	\$0.00	\$10,000.00
(b)	Land Purchase/Easement	\$10,000.00	\$0.00	\$0.00	\$10,000.00
(c)	Planning/Design/Engineering/ Environmental Documentation	\$75,000.00	\$0.00	\$0.00	\$75,000.00
(d)	Construction/Implementation	\$151,000.00	\$0.00	\$0.00	\$151,000.00
(e)	Environmental Compliance/ Mitigation/Enhancement	\$5,000.00	\$0.00	\$0.00	\$5,000.00
(f)	Construction Administration	\$42,500.00	\$0.00	\$0.00	\$42,500.00
(g)	Other Costs (Permitting)	\$2,000.00	\$0.00	\$0.00	\$2,000.00
(h)	Construction/Implementation Contingency	\$44,325.00	\$0.00	\$0.00	\$44,325.00
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$339,825.00	\$0.00	\$0.00	\$339,825.00

*List sources of funding: This project serves the disadvantaged community of Parkwood MD-19 A & B with a Median Household Income of less than \$48,706. As a result, an exemption for the local match is being requested.

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Attachment 4.1, Project F – MD33 Fairmead Sewer Collection, Treatment and Disposal System Plans

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Attachment 4.1, Project F – MD33 Fairmead Sewer Collection, Treatment and Disposal System Plans

Budget Notes:

The budget details in this attachment are organized into a format provided with the grant Proposal Solicitation Package. A detailed breakdown of all tasks and construction costs described in the Work Plan is included in the table at the end of this attachment. The costs associated are reasonable as they are based primarily from actual costs associated with similar tasks for other infrastructure study projects.

Task 1.1 – Legal is estimated to be ongoing, for the entire duration of the project and is expected to provide contract and project review for legal compliance and issue resolution.

Task 1.2 – Grant Administration is estimated to be ongoing and will include project administration related work involved in the development of the project. This task includes the preparation of invoices to applicant, the preparation and submission of quarterly reports to applicant, the preparation and submission of annual project reports to applicant, the preparation and submission of final reports to applicant, and the organizing and facilitation of quarterly meetings of project proponents and applicant.

Quarterly reports are estimated to require 10 hours each. There will be eight quarterly reports due during the period of the project. Annual reports are estimated to require 10 hours each. For the two years and one partial year which the project encompasses; these reports will be more comprehensive but the information for the quarterly reports will already be compiled. The Final Report is estimated to take 20 hours, including requests for clarification from DWR. Quarterly meetings are estimated to take four hours per meeting with eight total meetings. These tasks, including the tasks associated with Task 1.1, will be completed by the project manager or designee at a total budget of \$59,000.

Task 2 –We estimate that the five to 10 acres will suffice to site this project, at a cost of up to \$8,000 dollars per acre, for a total cost of up to \$80,000 dollars. These estimates are based on the present current market value for the region of \$5,000 to \$8,000 per acre. Unless waived by County Board if Supervisors, the total cost of entitlements, per County of Madera entitlement fee schedule, for a proposed 5-acre site in or in the proximity of the Community of Fairmead is estimated at approximately \$30,000.

Task 6 – It is anticipated that this project will require completion of a Mitigated Negative Declaration along with a biological study.

Task 9 – The Report of Waste Discharge and the Report of Water Reclamation are detailed and complex reports that will be contracted to the project engineer. It is estimated that the two

reports together will cost approximately \$50,000. The Independent Source Review analysis using URBEMIS requires specialized knowledge and research to complete adequately. We have estimated that the Consultant engineer will require 24 hours to complete the ISR application at a cost of \$3,000.

Project F - Table 7 Project Budget

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Table 7 – Project Budget

Proposal Title: Madera Region IRWM Implementation Grant

Project Title: MD33 Fairmead Sewer Collection, Treatment and Disposal System Plans

Project serves a need of a DAC?: **Yes**

Funding Match Waiver request?: **Yes**

		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
1	Direct Project Administration (including legal)	\$59,000	\$0	\$0	\$59,000
2	Land Purchase/Easement	\$40,000	\$0	\$0	\$40,000
3	Development of Cash Flow Financing	\$7,000	\$0	\$0	\$7,000
4	Develop Project Monitoring Plan	\$7,000	\$0	\$0	\$7,000
5	Preliminary Engineering	\$203,000	\$0	\$0	\$203,000
6	Environmental Documentation	\$145,000	\$0	\$0	\$145,000
7	Predesign	\$80,000	\$0	\$0	\$80,000
8	Design	\$240,000	\$0	\$0	\$240,000
9	Permitting	\$0	\$0	\$0	\$0
10	Construction Contracting	\$0	\$0	\$0	\$0
11	Entitlements	\$30,000	\$0	\$0	\$30,000
12	Construction/Implementation	\$0	\$0	\$0	\$0
13	Environmental Compliance/Mitigation/Enhancement	\$0	\$0	\$0	\$0
14	Construction Administration	\$0	\$0	\$0	\$0
15	Monitoring and Public Outreach	\$20,000	\$0	\$0	\$20,000
16	Assessment and Performance Measures	\$0	\$0	\$0	\$0
	Grand Total (Sum rows (1) through (14) for each column)	\$831,000	\$0	\$0	\$831,000
*List sources of funding: <i>Use as much space as required</i>					

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