

ATTACHMENT 4. BUDGET

This attachment presents detailed Project Budget (Table 4-1) information and supporting documentation for the *Dry Creek Flood Control Improvement Project* proposal. Included are detailed estimates of costs and funding sources for all four (4) components to the Project and a Summary Budget (Table 4-15) for the entire Project.

Project Budget					
Proposal Title: Dry Creek Flood Control Improvement Project					
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 Costs	\$0	\$318,077	\$0	\$318,077
(b)	Land Purchase/Easement	\$0	\$1,949,196	\$0	\$1,949,196
(c)	Planning/Design/Engineering/ Environmental Documentation	\$0	\$1,487,564	\$0	\$1,487,564
(d)	Construction/Implementation	\$6,891,010	\$2,074,384	\$0	\$8,965,394
(e)	Environmental Compliance/Mitigation/Enhancement	\$0	\$35,374	\$0	\$35,374
(f)	Construction Administration	\$0	\$447,152	\$0	\$447,152
(g)	Other Costs	\$0	\$132,114	\$0	\$132,114
(h)	Construction/Implementation Contingency	\$0	\$447,152	\$0	\$447,152
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$6,891,010	\$6,891,011	\$0	\$13,782,021

Table 4-1: Project Budget

Row (a) Direct Project Administration Costs

\$318,077 is the estimated amount allocated for Direct Project Administration Costs by FMFCD to complete all Administration, Labor Compliance, and Reporting work. Table 4-3 (Direct Project Administration Costs) summarizes the total cost.

Task 1: Administration

Administration costs for the Project corresponds to the tasks described in the Work Plan and it is estimated to be \$240,000. Administration costs is about 2% of the total Project costs of \$13,782,021, which is less than 5% of the Project costs. The percentage was determined based on prior FMFCD experience on similar projects.

Task 2: Labor Compliance Program

Labor Compliance Program costs were allocated \$22,358 of grant funds to monitor all Project components combined as presented in Table 4-3 (Direct Project Administration Costs). The funding for this program will be used towards paying for the State Department of Industrial Relation’s monitoring and enforcement services to fulfill FMFCD’s labor compliance obligations under the grant.

Task 3: Reporting

Reporting costs to the grantor specific for the Project are estimated at \$55,719 through March 2017. This task assumes efficiencies gained through the implementation of Task 1, Administration over the duration of the Project.

The hourly rates used were received from FMFCD’s Accounting Department. Rates include overhead costs. Please refer to Appendix 4-1 (FMFCD Hourly Rates) for the hourly rates per FMFCD employee involved with preparing the reports and Appendix 4-2 (Detailed Budget for Preparing Reports) to view a detailed table of how the estimate was determined.

Reports	Totals
Subtask 3.1: Quarterly Progress Reports	\$52,124
Subtask 3.2: Final Project Report	\$3,594
Total	\$55,719

Table 4-2: Report Costs

Direct Project Administration Costs	Totals
Task 1: Administration	\$240,000
Task 2: Labor Compliance Program	\$22,358
Task 3: Reporting	\$55,719
Total	\$318,077

Table 4-3: Direct Project Administration Costs

Row (b) Land Purchase/Easement

\$1,949,196 is the estimated amount allocated by FMFCD to finalize land acquisition for three (3) components to the Project. FMFCD anticipates completing land acquisitions for the Project by June 2014.

Land Purchases	Purchase/Recorded Dates	Purchase Price/Land Value
Dry Creek Extension Basin: 20 acres ¹	September 4, 2009	\$330,000
Pup Creek-Enterprise Detention Basin ²	July 18, 2012	\$336,696
Big Dry Creek Detention Basin ³	March 2013	\$682,500
Dry Creek Extension Basin: 23 acres ⁴	June 2014	\$600,000
Total		\$1,949,196

¹Includes \$30,000 of staff time, appraisal fees, escrow fee, and legal fees

²Includes \$18,000 for staff time, appraisal fees, and legal fees

³Includes \$16,000 for staff time

⁴Includes \$25,000 for staff time, appraisal fees, and legal fees

Table 4-4: Land Purchase/Easement Costs

Row (c) Planning/Design/Engineering/Environmental Documentation

\$1,487,564 is the estimated amount allocated for all work involved with Planning/Design/Engineering/Environmental Documentation. Table 4-9 (Planning/Design/Engineering/Environmental Documentation Costs) summarizes the total cost.

Task 4: Assessment and Evaluation

In regards to the dam, several assessments and evaluations were completed in the past. With the piezometers in place, FMFCD continues to collect data during the rainy season and will continue to assess and evaluate the dam post project completion to determine the effectiveness of the toe drain installation. Assessment and evaluation studies for the dam that were completed prior to the end of October 2012, FMFCD calculated \$221,500 in expenses that will be utilized as matching funds for FMFCD.

After the installation of the pump station at each basin site, FMFCD will review FID’s delivery reports, determine stormwater collection, and prepare recharge reports within the Project timeline and submit them to DWR. FMFCD estimates \$43,801 of FMFCD staff’s time to assess and evaluate the improved basin sites.

Refer to Appendix 4-3 (Detailed Budget for Assessment & Evaluation) for a detailed table of how the Subtask’s Costs were calculated. Table 4-5 provides a summary of the costs per subtask.

Assessment & Evaluation (Future) Costs per Subtask	Total
<i>Subtask 4.1: Data Collection and Seepage Analysis</i>	\$31,372
<i>Subtask 4.2: Stormwater Collection and Storage Evaluation</i>	\$2,876
<i>Subtask 4.3: FID Delivery Reports</i>	\$4,753
<i>Subtask 4.4: Recharge Reports</i>	\$4,799
Total	\$43,801

Table 4-5: Assessment & Evaluation Costs per Subtask

Assessment & Evaluation	Expenditures	Future Costs	Total
Dry Creek Flood Control Improvement Project	\$221,500	\$43,801	\$265,301

Table 4-6: Assessment & Evaluation Costs

Task 5: Final Design

Final Design costs are estimated to be \$1,174,073 for all four (4) components of the Project and this is based on complete design services, current contract estimates, previous project experience with similar construction projects, and estimated costs for future design services. FMFCD has tracked \$56,400 of design services for 90% Design for the Construction of the Toe Drain, and 10% Design for the Preliminary Basin Design for Pup Creek-Enterprise Detention Basin, Big Dry Creek Detention Basin, and Dry Creek Extension Basin.

The hourly rates used were received from FMFCD’s Accounting Department. Rates include overhead costs. Please refer to Appendix 4-1 (FMFCD Hourly Rates) for the hourly rates per FMFCD employee involved with preparing the plans and specifications. Table 4-7 provides a summary of costs for Final Design.

Big Dry Creek Dam

FMFCD’s current contract with BC&F for plans and specifications for the construction of the toe drain is for \$66,400 and \$10,000 is remaining on the contract.

Pup Creek-Enterprise Detention Basin

The preliminary basin designs were prepared by FMFCD staff at a cost of \$15,000. FMFCD staff and FMFCD’s engineering consultants will prepare plans and specifications for construction of a berm, broad crested weir, turnout structure with flow meter, pump station, telemetry system, culvert crossing under the Enterprise Canal, recreational trail, wildlife observation pavilion, and perimeter fence. FMFCD estimates \$266,512 for FMFCD staff time and for FMFCD’s engineering consultant fees to prepare a complete set of plans and specifications for this work.

Big Dry Creek Detention Basin

The preliminary basin designs were prepared by FMFCD staff at a cost of \$15,000. FMFCD plans to go into a contract with an engineering consultant for completing Final Design for construction of a turnout and check structure from Big Dry Creek to Big Dry Creek Detention Basin with a water flow meter. FMFCD plans to prepare a complete set of plans and specifications in house for the construction of a fill pad, perimeter fencing, outfall structure, pipelines, pump station, and a telemetry system. FMFCD estimates it will cost a total of \$450,369 of FMFCD’s staff time and the engineering consultant’s time to prepare plans and specifications for the work mentioned above.

Dry Creek Extension Basin

The preliminary basin designs were prepared by FMFCD staff at a cost of \$15,000. FMFCD plans to prepare plans and specifications for completing plans and specifications for construction of outfalls, intake structure, flow meter, internal basin pipelines, replacement of a portion of

Fanning Ditch to pipeline, pump stand, a pump station with a telemetry system, inlet, and perimeter fence. FMFCD estimates it will cost \$345,792 of FMFCD’s staff and FMFCD’s engineering consultants to prepare plans and specifications for this work.

Table 4-7 provides a summary of the costs for final designs.

Final Design	Expenditures	Future Costs	Totals
Big Dry Creek Dam	\$56,400	\$10,000	\$66,400
Pup Creek-Enterprise Detention Basin	\$15,000	\$266,512	\$281,512
Big Dry Creek Detention Basin	\$15,000	\$450,369	\$465,369
Dry Creek Extension Basin	\$15,000	\$345,792	\$360,792
Total			\$1,174,073

Table 4-7: Final Design Costs

Task 6: Environmental Documentation

Environmental documentation is allocated \$48,190 to cover all work after September 30, 2008 to prepare and submit CEQA documentations required for this Project.

Refer to Appendix 4-4 (Detailed Budget for Environmental Documentations) for a detailed table of how the costs were calculated. Table 4-8 provides a summary of the Environmental Documental expenses.

Environmental Documentation	Expenditures	Future Costs	Totals
Big Dry Creek Dam	\$0	\$39,693	\$39,693
Pup Creek-Enterprise Detention Basin	\$4,047	\$0	\$4,047
Big Dry Creek Detention Basin	\$211	\$0	\$211
Dry Creek Extension Basin	\$0	\$4,239	\$4,239
Total			\$48,190

Table 4-8: Environmental Documentation Costs

Task 7: Permitting

Permitting costs are included in Row (g) Other Costs.

Planning/Design/Engineering/Environmental Documentation	Totals
Task 4: Assessment and Evaluation	\$265,301
Task 5: Final Design	\$1,174,073
Task 6: Environmental Documentation	\$48,190
Total	\$1,487,564

Table 4-9: Planning/Design/Engineering/Environmental Documentation Costs

Row (d) Construction/Implementation

Construction/Implementation costs for the Project corresponds to the tasks described in the Work Plan and it is estimated to be \$8,965,394. Of this total, \$6,890,985 is considered eligible for matching funds. (See Table 4-11: Construction/Implementation Costs Table)

Task 8: Construction Contracting

Construction contracting costs for the Project corresponds to the tasks described in the Work Plan and it is estimated to be \$22,358. This assumes construction contracting costs will be 0.25% of the total Construction costs. The percentage was determined based on prior FMFCD experience on similar projects.

Task 9: Construction

Project construction is estimated at a total cost of \$8,943,036 based on a combination of current contract estimates, previous project experience with similar construction projects, and previous expenditures between October 1, 2008 and January 31, 2013. This cost reflects engineer’s estimate for all four (4) components. See appendix 4-5, for the construction cost for each component.

Construction	Estimates
<i>Big Dry Creek Dam</i>	\$2,251,531
<i>Pup Creek-Enterprise Detention Basin</i>	\$1,665,700
<i>Big Dry Creek Detention Basin</i>	\$2,814,805
<i>Dry Creek Extension Basin</i>	\$2,161,200
Relocation of power pole (Complete)	\$49,800
Total	\$8,943,036

Table 4-10: Construction Costs

Construction/Implementation	Expenditures	Future Costs	Totals
Task 8: Construction Contracting	\$0	\$22,358	\$22,358
Task 9: Construction	\$0	\$8,943,036	\$8,943,036
		Total	\$8,965,394

Table 4-11: Construction/Implementation Costs

Row (e) Environmental Compliance/Mitigation/Enhancement

Task 10: Environmental Compliance/Mitigation/Enhancement

Environmental compliance, mitigation, and enhancement are allocated \$35,374. This is an estimate based on a combination of current contract estimates, previous project experience with similar construction projects, and previous expenditures between October 1, 2008 and February 1, 2013. Between October 1, 2008 and February 1, 2013, the FMFCD recorded \$470 in expenditures under this task. Costs included under this task include, but are not limited to, the

preparation of stormwater pollution prevention plans and dust control mitigation. The allocated costs are also intended to cover any other environmental compliance and mitigation activities that have yet to be identified. See appendix 4-6 for a detailed table of how Environmental Compliance/Mitigation/Enhancement costs were derived.

Environmental Compliance/ Mitigation/Enhancement Cost	Expenditures	Future Costs	Totals
Big Dry Creek Dam	\$0	\$16,557	\$16,557
Pup Creek-Enterprise Detention Basin	\$470	\$15,828	\$16,297
Big Dry Creek Detention Basin	\$0	\$0	\$0
Dry Creek Extension Basin	\$0	\$2,519	\$2,519
		Total	\$35,374

Table 4-12: Environmental Compliance/Mitigation/Enhancement Costs

Row (f) Construction Administration

Task 11: Construction Administration

Construction administration costs for the Project corresponds to the tasks described in the Work Plan and it is estimated to be \$447,152. This assumes construction contracting costs will be 5% of the total Construction costs. The percentage was determined based on prior FMFCD experience on similar projects.

Row (g) Other Costs

For Other Costs, \$132,114 is allocated for this task based on the acquisition of needed permits, (e.g. Sections 401 and 404, California Fish and Game, etc.) for filing and application fees. The costs will cover any required permit extensions and amendments that may be required as a result of the CEQA process for all of the components of the Project.

Refer to Table 4-13 for a detailed list of permits, application, and filing fees FMFCD anticipates inquiring. Table 4-14 provides a summary of the Other Costs.

Permits/Appraisal/Application/Filing Fees	Expenditures	Future Costs	Totals
Big Dry Creek Dam			
401 Water Quality Certification	\$0	\$1,600	\$1,600
Dept. of Fish & Game Fees	\$0	\$2,156	\$2,156
County Clerk Fee	\$0	\$50	\$50
ISR Application/Permit	\$0	\$700	\$700
Construction General Permit (Erosivity Waiver)	\$0	\$200	\$200
Approval To Do Work Letter	\$0	\$0	\$0
		Subtotal	\$4,706
Pup Creek-Enterprise Detention Basin			
401 Water Quality Certification	\$0	\$1,600	\$1,600
Dept. of Fish & Game Fees	\$2,102	\$0	\$2,102
County Clerk Fee	\$50	\$0	\$50
ISR Application/Permit	\$700	\$0	\$700
FID Permit to Work w/in Easement and R-O-W	\$0	\$0	\$0
		Subtotal	\$4,452
Big Dry Creek Detention Basin			
County Clerk Fee	\$50	\$0	\$50
FID Permit to Work w/in Easement and R-O-W	\$0	\$0	\$0
		Subtotal	\$50
Dry Creek Extension Basin			
Formal Appraisal for 20 acre parcel	\$0	\$20,000	\$20,000
Formal Appraisal for 23 acre parcel	\$0	\$25,000	\$25,000
Dept. of Fish & Game Fees	\$0	\$2,156	\$2,156
County Clerk Fee	\$0	\$50	\$50
ISR Application/Permit	\$0	\$700	\$700
FID Permit to Work w/in Easement and R-O-W	\$0	\$0	\$0
		Subtotal	\$47,906

Table 4-13: Permit/Appraisal/Application/Filing Fees

Other Costs	Expenditures	Future Costs	Totals
Big Dry Creek Dam	\$0	\$4,706	\$4,706
Pup Creek-Enterprise Detention Basin	\$2,852	\$1,600	\$4,452
Big Dry Creek Detention Basin	\$50	\$0	\$50
Dry Creek Extension Basin	\$0	\$47,906	\$47,906
Provost & Pritchard Consulting: Grant Preparation	\$35,000	\$0	\$35,000
Legal Cost	\$0	\$40,000	\$40,000
		Total	\$132,114

Table 4-14: Other Costs

Row (h) Construction/Implementation Contingency

The construction/implementation contingency percentage applied for the Project is 5% of the total anticipated construction cost of \$447,152. The contingency costs include funds to handle unknown conditions encountered during construction or implementation of the Project. The percentage was determined based on prior FMFCD experience on similar projects.

Row (i) Grand Total

The anticipated total Project cost is estimated at \$13,782,021 as summarized in Table 4-15: Summary Budget.

Summary Budget						
Proposal Title: Dry Creek Flood Control Improvement Project						
	Individual Project Title	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source	Total Cost	% Funding Match
(a)	Dry Creek Flood Control Improvement	\$6,891,010	\$6,891,011	\$0	\$13,782,021	50
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$6,891,010	\$6,891,011	\$0	\$13,782,021	50

Table 4-15: Summary Budget