

Attachment 5.1 – Supporting Documents

Schedules

Madera Region – IRWM Implementation Grant Application

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Attachment 5.1, Summary Schedule

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Attachment 5.1, Project A – Grant Administration

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Attachment 5.1, Project A – Grant Administration

Schedule Notes

A proposed schedule for this Project follows.

This project will be used only for grant administration activities for the overall proposal. It includes periodic meetings, progress payment requests and other on-going administrative activities involved in managing the overall grant.

The attached project schedule is organized using the same outline as the Work Plan for the project included in Attachment 3.1B, and also with the Project Budget included in Attachment 4.1B.

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**Attachment 5.1, Project B - Project B - MD 19 Parkwood Water Supply
and Meters**

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Attachment 5.1, Project B – MD19 Parkwood Water Supply and Water Meters

Schedule Notes

A proposed schedule for this Project follows. Madera County anticipates after having all permits and approvals by the October, 2014, assuming that work will start promptly after the anticipated grant award date in October 2013.

Construction bidding would occur in the 4th Quarter of 2014, with construction to begin by early 2015. The nature of the work will allow construction to proceed through the Winter months, with minor delays expected due to rain days. Project construction would be completed by the end of July, 2015, and the project would be closed out by fall of 2015.

The attached project schedule is organized using the same outline as the Work Plan for the project included in Attachment 3.1B, and also with the Project Budget included in Attachment 4.1B.

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Attachment 5.1 - Project B - Project Schedule

Proposal Title: Madera Region IRWM Implementation Application
 Project Title: Project B, MD19 Parkwood Water Supply and Water Meters

Task	2013				2014								2015																
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
Task 1: Administration		▲																											
Task 2: Labor Compliance																													
Task 3: Reporting																													
Task 4: Development of Financing (assumes 10/1/13 grant award date)																													
Task 5: Land Acquisition/Easement. <i>Not Applicable</i>																													
Task 6: Assessment and Evaluation Deliverables and Technical Studies																													
Task 7: Engineering Design (30%, 90%, Final)																													
Task 8: Environmental Documentation																													
Task 9: Permitting																													
Task 10: Construction Contracting																													
Task 11: Implementation																													
Task 11.1: Project Mobilization/ On-Going Duties																													
Task 11.2: Insurance and Bonds																													
Task 11.3: Test Well: Drilling, Sampling, and Testing																													
Task 11.4: Production Well: Drilling, Sampling and Testing																													
Task 11.5: Furnish and Install Pump and Motor																													
Task 11.6: Furnish and Install Electrical SCADA																													
Task 11.7: Site Development, Piping and Fencing																													
Task 11.8: Furnish and Install Hydro Pneumatic Tank and Appurtenances																													
Task 11.9: Furnish and Install Standby Generator and Transfer Switch																													
Task 11.10: Furnish and Install Water Meter and Appurtenances																													
Task 11.11: Furnish and Install Meter Boxes																													
Task 11.12: Furnish and Install Hardware and Software for Meter Reading Equipment																													
Task 11.13: Project Site Demobilization																													
Task 12: Environmental/ Mitigation/ Enhancement																													
Task 13: Construction Administration																													
Task 13.1: Construction Administration																													
Task 13.2: Construction Observation and Inspection																													
Task 13.3: Record Drawing																													
Task 14: Permits, Monitoring and Reporting																													

- ▲ Anticipated Contract Award
- ▲ Anticipated Construction Start Date
- ▲ Anticipated Project Completion Date

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**Attachment 5.1, Project C – MD8 North Fork/ South Fork Sewer System
Improvements**

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Attachment 5.1, Project C – MD8 North Fork/ South Fork Sewer System Improvements

Schedule Notes

A proposed schedule for this Project follows.

Although the Preliminary Engineer's Reports for this Project have been completed, there remains a substantial design process to prepare preliminary and final plans, specifications and cost estimates. Assuming that work will start promptly after the anticipated grant award date in October 2013, plans will be completed by October, 2014 and final permitting will be completed by February, 2015.

Construction bidding would occur in January and February of 2015, with construction contract award not made until final permitting is completed. Construction would begin in March. Project construction would be completed by the end of July, 2015, and the project would be closed out by fall of 2015.

The attached project schedule is organized using the same outline as the Work Plan for the project included in Attachment 3.1C, and also with the Project Budget included in Attachment 4.1C.

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Attachment 5.1 - Project C - Project Schedule

Proposal Title: Madera Region IRWM Implementation Application

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

Task	2013				2014												2015												
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Task 1: Administration		▲																											
Task 2: Labor Compliance																													
Task 3: Reporting																													
Task 4: Development of Financing (assumes 10/1/13 grant award date)																													
Task 5: All easement, rights-of-way and land has been acquired.																													
Task 6: Assessment and Evaluation for 30% Design																													
Task 7: Final Design																													
Task 8: Environmental Documentation																													
Task 9: Permitting																													
Task 10: Contracting																													
Task 11: Mobilization																													
Task 11.1: Installation of gravity and force sewer mains, construction of new lift station and WWTP spray fields																													
Task 11.2: Performance Testing/Demobilization																													
Task 12: Environmental Mitigation measures during construction																													
Task 13: Construction Administration																													
Task 14: Permits, Monitoring and Reporting																													

▲ Anticipated Contract Award

▲ Anticipated Construction Start Date

▲ Anticipated Project Completion Date

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Attachment 5.1, Project D – Brockman Flood Control Basin

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Attachment 5.1, Project D – Brockman Flood Control Basin

Schedule Notes

A proposed schedule for this Project is included in Attachment 5.1, page 29. Madera County anticipates after having all permits and approvals by the end of 2014, assuming that work will start promptly after the anticipated grant award date in October 2013.

The schedule includes a year's time to complete planning and entitlement, due to the Biological Evaluation Report which will be needed prior to any construction work at the Project site. The County anticipates that the United States Bureau of Reclamation approvals and other work will be completed directly after that in late 2014.

Due to the earthwork nature of the Project, construction bidding will be held off until spring, with the plan to begin construction by early summer of 2015. Project construction would be completed by the end of October, and the project would be closed out by fall of 2015.

The attached project schedule is organized using the same outline as the Work Plan for the project included in Attachment 3.1D, and also with the Project Budget included in Attachment 4.1D

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**Attachment 5.1, Project E – CSA14 Chuk-Chanse Sewer System
Improvements**

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Attachment 5.1, Project E – CSA14 Chuk-Chanse Sewer System Improvements and Water Meters

Schedule Notes

A proposed schedule for this Project follows.

Madera County anticipates after having all designs, permits and approvals by the end of October, 2014, assuming that work will start promptly after the anticipated grant award date in October, 2013.

Construction bids would be solicited and bids opened in October, 2014. Project construction would begin in November, 2014 and be completed including testing and verification of performance by the end of June, 2015. The project would be closed out by fall of 2015.

The attached project schedule is organized using the same outline as the Work Plan for the project included in Attachment 3.1E, and also with the Project Budget included in Attachment 4.1E

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**Attachment 5.1, Project F - MD33 Fairmead Sewer Collection, Treatment
and Disposal System Plans**

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Attachment 5.1, Project F - MD33 Fairmead Sewer Collection, Treatment and Disposal System Plans

Schedule Notes

A proposed schedule for this Project follows.

The Project does not involve construction, but includes a feasibility study, selection of alternatives, preliminary and final design for a wastewater collection, treatment and disposal system for the community of Fairmead.

The feasibility study would begin with selection of a project engineer by RFP, in the two months immediately following grant award in October 2013. The feasibility study would be completed by April, 2014, with a recommended alternative presented to the County for approval. Upon approval of the alternative, preliminary and final plan and specification development would continue through May, 2015. In parallel with final design development, a Report of Waste Discharge for the selected alternative would be prepared and submitted to the Central Valley Regional Water Quality Control Board for processing.

This project would be complete with the acceptance of final plans and specifications by the County and with the approval of the Report of Waste Discharge by the Water Board, both anticipated in late May, 2015.

Final project reporting would continue through the second half of 2015 with final project closeout following the annual report to DWR in December.

The attached project schedule is organized using the same outline as the Work Plan for the project included in Attachment 3.1F, and also with the Project Budget included in Attachment 4.1F.

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Attachment 5.1 - Project F - Project Schedule

Proposal Title: Madera Region IRWM Implementation Application

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

Task	2013			2014												2015												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Task 1 Administration (Ongoing)	▲																											
Task 2: Labor Compliance NOT APPLICABLE																												
Task 3: Reporting																												
Task 3.1: Prepare and Submit Quarterly Project Reports to Applicant																												
Task 3.2: Prepare and Submit Annual Project Reports to Applicant																												
Task 3.3: Prep and Submission of Final Project Reports to Applicant																												
Task 3.4: Quarterly Meetings of Project Proponents and Applicant																												
Task 4: Development of Cash Flow Financing																												
Task 5: Land Purchase/Easement																												
Task 6: Preliminary Engineering Report																												
Task 6.1: Prepare Request for Qualifications																												
Task 6.2: Selection Process for RFQ																												
Task 6.3: Preparation of Engineer's Report and Feasibility Study																												
Task 6.4: Preliminary Design																												
Task 7: Environmental Documentation/ CEQA Compliance																												
Task 8: Design, Final Design, and Deliverables																												
Task 9: Permitting (Prepare Report of Waste Discharge)																												
Task 10: Construction Contracting (Bidding) <i>NOT INCLUDED IN APPLICATION/ NOT APPLICABLE</i>																												
Task 11: Labor Compliance (Construction) <i>NOT INCLUDED IN APPLICATION/ NOT APPLICABLE</i>																												
Task 12: Environmental Compliance/ Mitigation <i>NOT INCLUDED IN APPLICATION/ NOT APPLICABLE</i>																												
Task 13: Construction Administration <i>NOT INCLUDED IN APPLICATION/ NOT APPLICABLE</i>																												
Task 14: Permits, Monitoring, and Reporting <i>NOT INCLUDED IN APPLICATION/ NOT APPLICABLE</i>																												

▲ Anticipated Contract Award 10/1/2013

▲ Anticipated Project Completion Date

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