

Upper Pit Disadvantaged Communities’ Human Right to Water and Drought Sustainability Projects
North Cal-Neva Resource Conservation and Development Council, Inc.

Attachment 5 – Schedule: Project Schedule

NOTE: Xs indicate significant milestones.

Project Schedule – Project 1: Grant Administration																			
		2015			2016										2017				
Tasks		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
(a)	Direct Project Administration																		
Task 1	Project Management		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Task 2	Labor Compliance				X														
Task 3	Reporting		X	X	X	X	X	X	X	X			X			X			X
(b)	Land Purchase/Easement																		
Task 4	Land Purchase	N/A																	
(c)	Planning/Design/Engineering/Environmental Documentation																		
Task 5	Feasibility review	N/A																	
Task 6	Preliminary Project plans	N/A																	
Task 7	CEQA Documentation	N/A																	
Task 8	Permitting	N/A																	
Task 9	Design	N/A																	
Task 10	Project Performance Monitoring Plan	N/A																	
(d)	Construction Implementation																		
Task 11	Contract Services	N/A																	
Task 12	Construction Administration	N/A																	
Task 13	Construction/ Implantation Activities	N/A																	

Project 1: Project Narrative

Assuming a project start date of December 1, 2015, the RC&D will manage the project throughout the life of the grant, and plans to report/invoice monthly, at least during active construction, and no less often than quarterly as projects are completed. The RC&D will ensure that labor compliance is in place by March of 2016 for all project sponsors. This schedule is reasonable because of the costs associated with construction projects: a regular invoice payment cycle is important. The schedule is realistic and accomplishable because all project sponsors, including the RC&D, have been grant recipients previously and know what to expect regarding invoicing and reporting requirements.

Project Schedule – Project 2: Pit River Streambank Stabilization and Riparian Restoration with Floodplain Enhancement																			
		2015	2016												2017				
Tasks		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
(a)	Direct Project Administration																		
Task 1	Project Management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Task 2	Labor Compliance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Task 3	Reporting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
(b)	Land Purchase/Easement																		
Task 4	Land Purchase	N/A																	
(c)	Planning/Design/Engineering/Environmental Documentation																		
Task 5	Feasibility review, evaluate goals and objectives, compatibility with IRWM plan	N/A																	
Task 6	Preliminary Project plans with needed reports	X																	
Task 7	CEQA Documentation	X																	
Task 8	Permitting	X	X	X	X														
Task 9	Final Design and Field Survey	X	X	X	X														
Task 10	Project Performance Monitoring Plan with initial monitoring			X															

(d)	Construction Implementation																	
Task 11	Contract Services				X	X	X	X										
Task 12	Construction Administration						X	X	X	X	X	X	X					
Task 13	Construction/ Implantation Activities																	
Task 13(a)	Mobilization and Demobilization, final clean including weed control to be completed following spring season.					X							X				X	X
Task 13(b)	Fence Construction and Materials							X	X									
Task 13(c)	Equipment and material for construction of specified rock and earth moving restoration treatments								X	X	X							
Task 13(d)	Field Crew and supplies to complete work on specified vegetative restoration treatments.							X	X	X	X	X	X					

Project 2: Project Narrative

A. Direct Project Administration

- *Task 1 – Project management*
Schedule: This task will be ongoing throughout the life of the grant. (12/1/2015 to 3/30/2017)
- *Task 2 – Labor compliance*
Schedule: This task will be complete (labor plan in place) by March 2016, but will be ongoing throughout the life of the grant. (12/1/2015 to 3/30/2017)
- *Task 3 – Reporting*
Schedule: This task will be ongoing throughout the life of the grant. (12/1/2015 to 3/30/2017)

B. Land Purchase/Easement

- *Task 4 – This task is not applicable*

C. Planning/Design/Engineering/Environmental Documentation

- *Tasks 5 - Feasibility review, evaluate goals and objectives compatibility with IRWM plan, and complete preliminary project plans with needed report updates; this task is 100% completed.*
Schedule: 1.5 months needed for this task. (Start 11/1/2015 to 12/15/2015) This task can be completed in this time frame since much of the data and information is put together.
- *Task 6 - CEQA Documentation.*
Schedule: 1 month needed for this task. (12/1/2015 to 12/30/2015) This task can be completed in this time frame because CEQA categorical exemption will be used, NRCS has done considerable work in this proposed project area and NEPA has been completed. This NEPA document can be used to help develop CEQA initial study.
- *Task 7 – Permitting.*
Schedule: 4 months needed for this task (12/1/2015 to 3/30/2016). This task can be completed concurrently with tasks 6 & 7. This time frame includes time for permit processing. Based on past projects this schedule is adequate to complete this task.
- *Task 8 - Final Design & field survey.*
Schedule: This task will take 1 month. (3/1/2016 to 3/30/2016). This task can be completed in this time frame. Treatment methods have been selected; need to pick exact site and survey for quantity.
- *Task 9 - Project Performance Monitoring Plan.*
Schedule: This task will take 1 month. (2/1/2016 to 2/28/2016). This task can be completed in this time frame. While waiting for permit approvals monitoring plan can be finalized.

D Construction/Implementation

- *Task 10 - Contract Services*
Schedule: This task will be spread out over 4 months. (3/1/2016 to 6/30/2016). Contracts for rock delivery and fence construction will be sent out for bids 4/1/2016. The rest of the contracts and bid procurements will be sent out over the next three months. Construction work will start about June and be spread out until end of October. The Streambank Alteration Permit will only allow bank work between July through September. Vegetative planting occur between October through November.
- *Task 11 - Construction Administration*
Schedule: This task will be spread out over a 7 month period plus two weeks in the spring of 2017. (5/1/2016 to 11/30/2016) and (5/1/2017 to 5/15/2017) Fence construction work will occur between 6/1/2016 and 6/30/2016; Streambank sloping and rock structure construction will occur between 7/1/2016 and 9/30/2016; vegetative plantings will occur between 10/1/2016 and 11/30/2016; and weed control will occur between 5/1/2017 and 5/30/2017. If weather delays any work in the late summer or fall period, that work will be completed in 2017 when conditions are appropriate. Based on past experience, this task can be accomplished within the scheduled time frames.
- *Task 12(a) - Mobilization and Demobilization*
Schedule: This task will be accomplished in approximately three blocks of time of about 1 month each, spring 2016, fall 2016 and spring 2017.
- *Task 12(b) - Fence Construction and Materials*

Schedule: This task will be accomplished by contract in month and a half period of time. (6/1/2016 to 7/15/2016). Based on past experience this time frame is adequate to complete this task.

- *Task 12(c) - Equipment and material for construction of specified rock and earth moving restoration treatments.*

Schedule: This task will be accomplished by contract in a 3 month period from July to September. (7/1/2016 to 9/30/2016). The Streambank Alteration Permit generally has a stipulation that only allows streambank work between July to September. This period of time is adequate to get this task completed based on past experience and time comparisons with other similar type work.

- *Task 12(d) - Field Crew and supplies to complete work on specified vegetative restoration treatments.*

Schedule: This task will be accomplished by field crew in a five and half month period June through October. (6/1/2016 to 11/15/2016) June through July crew will help assemble gabion baskets, July through August cut and bundle willows and put in water to soak, and September plant willows and and other vegetative seeding tasks.

Project Schedule – Project 3: Fall River RCD / Pit RCD Open Ditch Conversion Water Conservation / Water Supply DAC Projects														
		2015	2016											
Tasks		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
(a)	Direct Project Administration													
Task 1	Project Management		X	X	X	X	X	X	X					
Task 2	Labor Compliance				X									
Task 3	Reporting		X	X	X	X	X	X	X					
(b)	Land Purchase/Easement													
Task 4	Land Purchase	N/A												
(c)	Planning/Design/Engineering/Environmental Documentation													
Task 5	Feasibility Studies	N/A												
Task 6	CEQA Documentation	N/A												
Task 7	Permitting	N/A												
Task 8	Design													
Task 9	Project Performance Monitoring Plan													
(d)	Construction Implementation													
Task 10	Contract Services													
Task 11	Construction Administration													
Task 12	Construction/Implantation Activities													
A	Site Prep													

B	Pipeline Installation													
C	Electrical Line Extension													
D	Replacement of Diesel Motor													
E	Backfill													

Project 3: Project Narrative

The project schedule assumes a project award date of approximately December 1, 2015. Based upon past experience (last year) completing the Ash Valley Irrigation project which was also funded by DWR in order to help this DAC community to conserve water, NRCS, the Fall River RCD and Pit River RCD are confident that the proposed project schedule is realistic, reasonable, and accomplishable.

Project Administration and Management will be ongoing throughout the duration of the project with day to day project management, contract management, payment of invoices, etc. Reports will be delivered quarterly, annually and at the end of the project when all construction and project monitoring have been completed. Deliverables include direct project administration, executed grant agreement, invoices and associated backup documentation, progress reports, quarterly reports, draft and final project completion report along with Environmental Information Form (EIF), Financial Statements, Invoices and Other Applicable Project Deliverables, including Proof of labor compliance upon request.

Private land-owners are willing recipients of projects so no land acquisition or easements are involved. All required permits, documentation, studies available upon request as applicable. Deliverables include Topographic Survey, BOD, Updated Project Cost Estimate and 100% Design Documents provided. Project Performance Monitoring Plan to be provided.

Upon notification of award, bid solicitations for pipeline construction will be finalized and advertised. Contractor selection for the pipeline construction will be completed by March 15, 2016. Construction will begin as soon as possible after award of contract. Pipeline construction is expected to be completed within two months. A conservative estimate of three months (March, April, and May 2016) has been allocated for construction on the project schedule. It is possible that construction will begin prior to March 2016 and be completed prior to May 31, 2016. Deliverables include bid documents, Proof of Advertisement, Award of contract and Notice to proceed.

Upon notification of award, work will begin to select electrical contractor so as to begin work on the electrical line extension as soon as possible. Electrical line extension should take 2-3 months to complete. The schedule has allowed for 4 months based on uncertainty as to when the contractor will be ready to begin. Electrical line extension is expected to be completed by no later than April 30, 2016. The diesel pump will be replaced as soon as the electric supply is in place. This will be prior to the 2016 irrigation season and no later than April 30, 2016.

Pre-project water use monitoring or pump production monitoring will begin in the summer of 2015. The landowner will be monitoring water use during the 2015 drought. Additional pump production monitoring will take place during the 2016 and 2017 growing seasons. Before project and after project photo monitoring will take place prior to the commencement of construction and after all construction-related project activities have been completed. The location of pipeline and electrical line extension will be finalized as GIS files when construction is complete.

Each of the five sites has engaged, committed landowners who are eager to complete the project and will make land accessible as soon as the first snows thaw. Project entails some filling and some ditch digging. At one site, electrical extension will be laid along with a pump – a relatively simple process for an

experienced contractor and while local agencies anticipate working with Sun Valley Electric based upon their low cost and excellent performance in last year's identical project. In all other sites, the key work is to prepare ground and lay the pipe. After that, there will be backfilling to restore the site. The plan is to complete design / engineering within two weeks of receiving a commitment from DWR; permitting and planning are complete. Fall River RCD would like to break ground as soon as snows melt and then complete the project prior to the end of May because growers need a water supply for cattle and crops at that point in this community. Deliverables include notice of completion, photographic documentation of original ditches, of pipes installed, electric and pump installed, backfill at project end and Engineers Certification.

The Fall River RCD will make grant administration both for DWR and for local partners simpler by completing this grant within eight months from funding, while accelerating regional goals for urgently needed water conservation and water quality goals.