

## Attachment 6

### Schedule

North Cal-Neva Resource Conservation and Development Council, Inc.

**Attachment 6 – Schedule**

**Project A – Ash Valley Ranch Irrigation Infrastructure Efficiency Project**

Tasks	2014			2015						2016												
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
<b>1 Direct Project Administration</b>																						
Project Administration and Management																						
Reporting quarterly, annually and final																						
<b>2 Planning, Design, Engineering, and Environmental Documentation</b>	completed prior to October 2014																					
<b>3 Construction Implementation</b>																						
Contractor Selection																						
Electrical Line Extension																						
Diesel Pump Replacements																						
Pipeline Construction																						
Pump Production Monitoring	pre-project and																					
Photo Monitoring																						
Prepare Completed Installation GIS Files																						

**Project Schedule Narrative**

The project schedule assumes a project award date of October 16, 2014.

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.

Upon notification of award, bid solicitations for pipeline construction will be finalized and advertised. Contractor selection for the pipeline construction will be completed by December 1, 2014. 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 2015) has been allocated for construction on the project schedule. It is possible that construction will begin prior to March 2015 and be completed prior to May 31, 2015.

Upon notification of award, Surprise Valley electric will be contacted to begin work on the electrical line extension. Electrical line extension should take 2-3 months to complete. The schedule has allowed for 6 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, 2015.

Diesel pumps will be replaced as soon as the electric supply is in place. This will be prior to the 2015 irrigation season and no later than April 30, 2015.

Pre-project water use monitoring or pump production monitoring will begin in the summer of 2014. The landowner will be monitoring water use during the 2014 drought. Additional pump production monitoring will take place during the 2015 and 2016 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.

**Project B – Restoring Hydrological Function to South Ash Valley**

Tasks	2014			2015							2016												
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	
<b>a Direct Project Administration</b>																							
Project Administration and Management																							
Reporting (quarterly, annually, and final)																							
<b>c Planning, Design, Engineering, and Environmental Documentation</b>																							
Completion of Final Plans																							
Preparation of Environmental Documents	completed prior to October 2014																						
<b>d Construction Implementation</b>																							
Contractor Selection																							
Restoration Treatments																							
Fence Construction																							
Hydrologic Monitoring																							
Vegetation Monitoring																							
Pre- and Post-Project Photo Monitoring																							
Prepare Completed Installation GIS Files																							

**Project Schedule Narrative**

The project schedule assumes a project award date of October 16, 2014.

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 at quarterly, annually and at the end of the project when all construction and project monitoring have been completed.

Final plans will be completed within two months of award notification.

Upon notification of award, bid solicitations for juniper removal treatments and fence construction will be finalized and advertised. Contractor selection will be completed by December 1, 2014.

Juniper removal treatments will commence March 1, 2015 following the November 1-March 1 limited operating period in the antelope migration corridor of which the study area is a part. Juniper removal treatments will be completed prior to operating period constraints beginning in November of 2015.

Fence construction will occur from August 2015 through October 2015.

Lysimeters will be installed in November of 2014. Hydrologic monitoring will occur in March, June and October of 2015 and in March and June of 2016. The response of native range vegetation to juniper removal will occur in June of 2015 and 2016.

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. Treatment boundaries and fence lines will be finalized as GIS files when construction is complete.

**Project C – South Fork Irrigation District Infrastructure Upgrade**

Tasks	2014			2015							2016												
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	
<b>a Direct Project Administration</b>																							
Project Administration and Management																							
Reporting (Quarterly, Annually and final)																							
Agreement between District (CMRCD & SFID)																							
<b>c Planning, Design, Engineering, and Environmental Documentation</b>																							
Research and select pipe and ditch liner																							
Plan and design pip removal																							
Plan and design pipe and liner installation																							
Complete NEPA/CEQA document																							
NEPA/CEQA review and finalize																							
<b>d Construction Implementation</b>																							
Construction Administration																							
Remove diversion pipe/install ditch liner																							
Remove flume pipe/install plastic pipe																							
Pre- and Post Project Photo Monitoring																							

**Project Schedule Narrative**

Planning, design and engineering are at the low end of the scale for complexity, technical knowledge, and problem solving. The project involves removing existing pipe and replacing it with a more suitable product, new pipe or ditch lining. This type of project occurs frequently when the irrigation infrastructure is being upgraded or replaced. The scheduled time is more than adequate to complete the planning and design needs.

Most of the time will involve researching existing information and designs. The environmental documentation is also at the low end of the scale for resource issues and potential controversy. The bigger issue is to continue to do nothing and allow the bank overflow and leaking pipe to continue. Improved efficiency in the irrigation system not only benefits crop production but also benefits environmental concerns. The time allotted for document preparation and review should be reasonable. This project should meet the requirements for a categorical exemption for both CEQA and NEPA. The scheduled environmental documentation will be completed prior to the required April 1, 2015 start work date. The construction period is also within local standards for completing similar type of work within this timeframe.

## Proposal Summary Schedule

Upper Pit River Watershed Water Conservation and Drought Mitigation Summary Schedule																							
Tasks	2014			2015									2016										
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	
<b>a Direct Project Administration</b>																							
all Project Administration and Management																							
all Reporting (Quarterly, Annually and final)																							
p.C Agreement between District (CMRCD & SFID)																							
<b>c Planning, Design, Engineering, and Environmental Documentation</b>																							
p.A,B Preparation of Environment Documents	Completed prior to October 2014																						
p.B Finalize final plans																							
p.C Prepare and Complete NEPA/CEQA																							
p.C Finalize NEPA/CEQA																							
<b>d Construction Implementation</b>																							
all Construction Administration and Contractor Selection																							
p.A Electrical Line Extension																							
p.A Diesel Pump Replacements																							
p.A Pipeline Construction																							
p.A Pump Production Monitoring	pre-project and																						
p.B Restoration Treatents																							
p.B Fence Construction																							
p.B Hydrologic Monitoring																							
p.B Vegetation Monitoring																							
p.C Remove diversion pipe/install ditch liner																							
p.C Remove flume pipe/install plastics pipe																							
all Pre- and Post Project Photo Monitoring																							
<p>p.A is Ash Valley Ranch Irrigation Infrastructure Efficiency Project                      p.B is Restoring Hydrological Function Infrastructure to South Ash Valley                      p.C is South Fork Irrigation District Infrastructure Upgrade</p>																							