

## ATTACHMENT 6 - SCHEDULE FOR POSO IRWM DROUGHT PROPOSAL

This attachment addresses the overall Grant Proposal schedule, as well as a schedule for each of the individual projects that are part of the Grant Proposal. The purpose of this attachment is to provide detailed information regarding Project scheduling and timing for each Project of the proposal. Each Project schedule is presented in a tables in this Attachment. Detailed Gantt Charts for the Proposal and each Project are available upon request.

### Overall Proposal Schedule

The Overall Proposal Schedule is shown in Table 6.1. The Overall Proposal Schedule presents the proposed implementation schedules for the Projects that are part of this application and the 2014 Poso Creek IRWM Plan Update (Plan Update).

**Table 6.1** Poso Creek IRWM Drought Grant Proposal: Overall Proposal Schedule

No.	Project Name (District/Group)	Proj. No <sup>1</sup>	Start Date	End Date	Days
1	Calloway Canal Improvements (North Kern Water Storage District)	7A	4/30/2013 <sup>3</sup>	11/16/2015	867 (333) <sup>5</sup>
2	New Well and Water Storage Tank (Lost Hills Utility District) <sup>2</sup>	19A	8/1/2014 <sup>3</sup>	4/1/2016	609 (533) <sup>5</sup>
3	Reservoir, Booster Pump Station, and System Intertie (City of McFarland) <sup>2</sup>	19	9/15/2014 <sup>3,4</sup>	10/24/2015	373

<sup>1</sup> Project number as referenced in the IRWM Group “Plan Project and Program List” and the Plan Update. Appendix A of the Plan Update contains a historical list of projects and programs completed by the IRWM Group, including start and completion dates.

<sup>2</sup> Projects for economically-disadvantaged communities (DACs).

<sup>3</sup> Includes tasks started towards Project (e.g., preliminary design) prior to submission of Grant Proposal.

<sup>4</sup> Start date corresponds with assumed award date for DWR Grant, as stated in the 2014 IRWM Drought PSP.

<sup>5</sup> Days in parenthesis correspond with days from assumed award date for DWR Grant.

### Project-Specific Schedules

This Grant Proposal includes the three proposed projects discussed below; each project schedule is in tabular form in Tables 6.2 through 6.4, respectively. All three projects will be ready to proceed to construction/implementation phases prior to April 1, 2015, as endorsed by their proponents (i.e., applicants to the Poso Creek RWMG) and stated in the submitted PDCFs. Each schedule shows the project tasks using the twelve tasks grouped into four categories; (a) Direct Project Administration, (b) Land Purchase and Easement, (c) Planning, Design, Engineering, and Environmental Documentation, and (d) Construction and Implementation. These tasks and categories follow the Work Summary and Budget prepared for each Project. The RWMG has reviewed these projects, with the applicant and any related Work Groups, prior to including them on the “Plan Project and Program List” in the 2014 IRWM Plan Update (Plan Update) and in this application.

*Project 1: NKWSD Calloway Canal Improvements Project*

Start Date	Start of Construction	Completion Date
4/30/2014	12/31/2014	10/16/2015

The Poso Creek IRWM has received funding in the past for lining a portion of the Cross Valley Canal (CVC) to Calloway Canal Intertie (Intertie) as part of the IRWM Imp. Round 1 Grant in June 2012. North Kern administered a contract with the DWR for that project. North Kern and Cawelo has secured multiple grant funding awards, primarily Federal (USBR) grants, to concrete line individual “reaches” (sections) of the Calloway Canal beyond the Intertie project. As stated in *Attachment 3*, the canal is divided into five reaches; A, B, C1, C2, and D. The Intertie lining (completed) and design for the lining of reaches along the Calloway Canal, were for the same dimensions and configuration (e.g., trapezoidal shape) as the remaining Calloway Canal portion to be lined under the proposed Project in this application. As such, the proposed project will closely follow the timeline used for the previous lining design and construction efforts.

North Kern and Cawelo have prepared 100% Design and Bid Packages for Reaches A and B, which were ready for construction bids in March, 2014 (construction was delayed due to 2014 drought). The Design and Bid Package for the remaining reaches shall be developed quickly utilizing the previous designs. All planning,

design, engineering and associated documentation (*Category c*) shall be completed by the end of 2014. Regarding environmental documentation, CEQA for the entire 12,554 LF length of canal (to be lined) is completed, as well as NEPA requirements for Reaches A and B. Note that the Federal funding for Reaches C1, C2, and D have proceeded with the development of EA documents. For the remaining reaches needing NEPA, the project was accepted into the Metropolitan Bakersfield Habitat Conservation Plan, therefore, no consultation with Fish and Wildlife is necessary and Reclamation can develop and process the EA in a short amount of time. North Kern will pay into the MBHCP at the time of construction.

Construction/Implementation (*Category d*) shall begin shortly after notice of a funding award, around late-December, 2014. Construction shall occur on property owned by North Kern, within the district’s right-of-way. Note that an approved Labor Compliance Program is in place, based on the design of other Reaches.

*Disadvantaged Community (DAC) Projects*

This Grant Proposal includes two projects that were submitted-by and reviewed (by the RWMG) towards the benefits of DACs in and around the Poso Creek region. These projects are components of the potable water system for their associated communities. Upon receiving a notice of grant award funding these project proponents (*Attachment 1*) are prepared to respond to requests for complete and current designs, and any environmental documentation, and/or permitting requirements. Each community is assisted by local engineering consultants.

*Project 2: Lost Hills Utility District New Well and Water Storage Tank Project*

<b>Start Date</b>	<b>Start of Construction</b>	<b>Completion Date</b>
8/1/2014	1/1/2015	4/1/2016

LHUD has prepared a Water System Master Plan and a Preliminary Engineering Report for the new groundwater well (New Well) and associated water storage tank (Storage Tank), and is prepared to proceed with 100% Design and Bid documents for this Project. LHUD has secured a local engineer to complete the Well’s 100% Design and Bid documents and funding through the DWR’s DAC Technical Assistance Program for a Consultant to complete the Design and Bid package for the Tank by December, 2014. As such, most of the necessary planning, design, engineering, and environmental documentation (*Category c*) for this Project has already been completed. Remaining environmental documentation and permitting which is required prior to construction has been identified under a draft Initial Study, project description, with their local consulting firm, and will utilize the LCP established by North Kern to navigate through this process. The Project is located exclusively within maintained rights-of-way owned by LHUD, therefore, completion of permitting and approvals for the new well and water storage tank are straightforward as the work will be performed on already disturbed property, not requiring regulatory permits.

Construction/Implementation (*Category d*) shall begin shortly after notice of a funding award, around late-October, 2014 through assistance by both North Kern and LHUD’s local consulting firm.

*Project 3: City of McFarland Reservoir, Booster Pump Station, and System Intertie Project*

<b>Start Date</b>	<b>Start of Construction</b>	<b>Completion Date</b>
9/15/2014	4/1/2015	10/27/2015

The City of McFarland has already completed a 60-percent level design for the construction of a water storage reservoir (Reservoir), booster pump station, and system intertie, and is prepared to proceed with 100% Design and Bid documents for this Project following notice of grant award. Most of the necessary planning, design, engineering, and environmental documentation (*Category c*) for this Project has been completed at the draft report level and can be accelerated with the proper funding. McFarland intends to work with their local consulting firm, and will utilize the LCP established by North Kern to navigate through the design and administration (*Category a*) processes. The Project is located exclusively within maintained rights-of-way owned by McFarland except for the pipeline portion of the system intertie; provisions for an easement for the pipeline have been identified by the local consultant and can be obtained quickly, once awarded the grant, in order to proceed with construction on this proposed schedule. As such, completion of permitting and approvals for this Project will need to be completed in the early phases of this Project, anticipated by January, 2015 prior to construction. McFarland anticipates that all of the components of the project can be completed (constructed) by end of October, 2015 through assistance by both North Kern and McFarland’s local consulting firm.

**Table 6.2** Poso Creek IRWM Drought Grant Proposal: Project 1 Proposed Schedule

Task <sup>1</sup>	Project Task/Milestone	Category	Comp <sup>2</sup>	Pred.	Start Date	End Date	Days
	Grant Award Notice				9/15/2014		
1	Administration	A	10%		10/16/2014	10/16/2015	365
2	Labor Compliance Program		10%		12/31/2014	7/31/2015	212
3	Reporting		10%		1/30/2015	5/4/2017	825
4	Land Acquisition	B	100%				
5	Assessment and Evaluation	C	100%				
6	Design <sup>3</sup>		30%	5	11/4/2013	1/2/2015	424
7	Environmental Doc.		50%		4/30/2013	12/30/2014	609
8	Permitting		50%	6	12/1/2014	12/31/2014	30
9	Construction Contracting	D	0%	6	11/3/2014	3/9/2015	126
9A	Reaches A and B		0%	6	11/3/2014	12/31/2014	58
9B	Reaches C1, C2, and D		0%	6	1/5/2015	3/9/2015	63
10	Construction		0%	9	12/31/14	7/10/2015	191
11	Environmental Compliance		0%		12/1/2014	12/1/2014	1
12	Construction Admin.		0%	9	12/31/2014	8/14/2015	226

**Table 6.3** Poso Creek IRWM Drought Grant Proposal: Project 2 Proposed Schedule

Task <sup>1</sup>	Project Task/Milestone	Category	Comp <sup>2</sup>	Pred.	Start Date	End Date	Days
	Grant Award Notice				10/16/2014		1
1	Administration	A	10%		10/16/2014		
2	Labor Compliance Program		100%		DIR Accepted		
3	Reporting		10%		11/1/2014		
4	Land Acquisition	B	100%				
5	Assessment and Evaluation	C	100%				
6	Design		30%	5	8/1/2014	11/1/2014	92
7	Environmental Doc.		50%				
8	Permitting		50%	6	12/1/2014	12/31/2014	30
9	Construction Contracting	D	0%	6	11/1/2014	12/1/2014	30
10	Construction		0%	9	1/1/2015	3/1/2016	425
11	Environmental Compliance		0%	6	11/1/2014	11/1/2014	1
12	Construction Admin.		0%	9	1/1/2015	4/1/2016	456

**Table 6.4** Poso Creek IRWM Drought Grant Proposal: Project 3 Proposed Schedule

Task <sup>1</sup>	Project Task/Milestone	Category	Comp <sup>2</sup>	Pred.	Start Date	End Date	Days
	Grant Award Notice				9/15/2014		
1	Administration	A	10%	5	10/16/2014	10/1/2015	351
2	Labor Compliance Program		100%		DIR Accepted		
3	Reporting		10%	5	10/16/2014	10/1/2015	351
4	Land Acquisition	B	10%	5	10/16/2014	11/14/2014	30
5	Assessment and Evaluation	C	60%		9/15/2014	9/29/2014	15
6	Design		30%	5	9/17/2014	10/29/2014	43
7	Environmental Doc.		50%		10/20/2014	12/23/2014	65
8	Permitting		50%	4	11/17/2014	12/1/2014	15
9	Construction Contracting	D	0%	8	1/2/2015	4/23/2015	112
10	Construction		0%	9	4/1/2015	10/7/2015	190
11	Environmental Compliance		0%	9	4/1/2015	4/1/2015	1
12	Construction Admin.		0%	9	3/16/2015	10/27/2015	226

<sup>1</sup> Task Number from the proposed Work Plan.

<sup>2</sup> Percentage of Task/Milestone completed prior to Grant Proposal, see *Attachment 4*.

<sup>3</sup> Includes Reaches A, B, C1, C2, and D in design task.