

Attachment 6 – Schedule

A detailed project schedule based for each project has been included in this attachment. The tasks shown in each project schedule match the tasks listed in the Work Summary (Attachment 4) and the Budget (Attachment 5). All schedules were developed based on experience with similar projects completed by the proponents, Authority, or other agencies within the region, and are therefore believed to be reasonable. All five of the projects listed in the application will be ready to begin construction prior to April 2015. A rollup schedule showing one line per project to identify the start and completion dates is included as **Figure 6-1**. Work that has occurred prior to the Governor’s proclamation of a Drought State of Emergency (January 17, 2014) is not shown on the schedule, however as noted in the work summary some of the task items that are underway will continue. Even though the on-going monitoring tasks will continue for years after completion of construction, to simplify the printed schedule included in this application, those tasks are only included until the end of the calendar year in which the construction of that project will be complete.

Project A: CID – Adams and Academy Basin

A Gantt chart schedule for the project is included as **Figure 6-2**. The schedule shows the major tasks needed to complete the project. The schedule shows milestones, major deliverables and linkages between tasks. The schedule tasks are consistent with those used in the Work Summary and Budget. Work has begun on several items for the project; the project is ready for implementation in accordance with the grant deadlines. The District will continue to move forward with the project prior to the anticipated October 16, 2014 award date. The schedule is based on the time required for completion of similar projects. The project is anticipated to be complete by September 2016.

The task necessary for completion prior to construction, Tasks 2, 4, 5, 6, 7, 8, and 9 are in varying stages of completion. Task 2 (Labor Compliance Program), is as complete as it can be prior to starting construction and Task 4 (Land Acquisition), will be concluded upon notice of award from DWR for the grant. Tasks 5, 6, and 7 (Assessment and Evaluation, Final Design and Environmental Documentation) will continue forward in preparation of the project’s construction. Tasks 8 and 9 (Permitting and Construction Contracting) will be completed immediately prior to construction starting.

Discussions with the property owner have resulted in an option to purchase the property (see **Attachment 4a**); based upon this property selection, preliminary design and construction document preparation have been completed to the preliminary level. The District has a consultant retained to complete the design and bring the project through bidding. Based on its experience with similar projects, the District believes it can complete the project within the schedule provided below.

Project B: City of Fresno – Nielsen Groundwater Recharge Basin

A Gantt chart schedule for the project is included as **Figure 6-3**. The schedule shows the major tasks needed to complete the project. The schedule shows milestones, major deliverables and linkages between tasks. The schedule tasks are consistent with those used in the Work Summary and Budget. Several key items for the City of Fresno (City) Nielsen Basin Recharge Project have already been completed; the project is ready for implementation in accordance with the grant deadlines. The City will continue to move forward with the project prior to the anticipated October 16, 2014 award date. The schedule is based on the time required for completion of similar projects. The project is anticipated to be complete by May 2015.

The task necessary for completion prior to construction, Task 2, 4, 5, 6, 7, 8, and 9 are in varying stages of completion. Task 2 (Labor Compliance Program), is as complete as it can be prior to starting construction; Tasks 4, 5 and 7 (Land Acquisition, Assessment and Evaluation, and Environmental Documentation) are all complete. Task 6 (Final Design) has begun and the City’s consultant is contracted to bring the plans to completion on a short schedule as soon as the notice to proceed is given. Tasks 8 and 9 (Permitting and Construction Contracting) will be completed immediately prior to construction starting.

The City acquired the land necessary for the project in April 2011. The project has complied with the California Environmental Quality Act through the completion and publication of a Mitigated Negative Declaration (MND) for the project. The City adopted the MND in April 2011. The project is currently going through the Conditional Use Permit process with the City of Fresno. Multiple geotechnical studies and Phase 1 and Phase 2 Environmental Site Assessments have been performed insuring adequacy of project location and the project design. Construction plans and specifications have been completed to the preliminary level. Upon review by Fresno Irrigation District (FID) and City staff the plans and specification will be taken to 100% completion.

The City continues to move forward with the project and anticipates beginning construction in April 2015. The schedule attached shows detail consistent with the Work Summary and Budget, and is based on the time required for completion of similar projects. Based on past recharge basin projects of similar scope and size and City staff availability, the City believes it can complete the project work in accordance with the included schedule.

Project C: FMFCD – Regional Groundwater Recharge Project

A Gantt chart schedule for the project is included as **Figure 6-4**. The schedule shows the major tasks needed to complete the project. The schedule shows milestones, major deliverables and linkages between tasks. The schedule tasks are consistent with those used in the Work Summary and Budget. Work has begun on several items for the project; the project is ready for implementation in accordance with the grant deadlines. The District will continue to move forward with the project prior to the anticipated October 16, 2014 award date. The schedule is based on the time required for completion of similar projects. The project is anticipated to be complete by February 2018.

The task necessary for completion prior to construction, Task 2, 4, 5, 6, 7, 8, and 9 are in varying stages of completion. Task 2 (Labor Compliance Program), is as complete as it can be prior to starting construction and Task 4: Land Acquisition, will be concluded upon notice of award from DWR for the grant, as the District has MOU language drafted. Task 5, 6, and 7 (Assessment and Evaluation, Final Design and Environmental Documentation), will continue forward in preparation of the project's construction. Tasks 8 and 9 (Permitting and Construction Contracting) will be completed immediately prior to construction starting.

Discussions with the Caltrans have resulted in a draft Memorandum of Understanding providing commitment and details pertaining to the transfer of ownership of the Armstrong and Briggs basins. This transfer will be finalized upon notice of award from DWR. The District will also continue to work towards securing the necessary easements to construct the pipe facilities between basins. Processes are in place to allow the District to move forward with design quickly; bidding system interties will proceed as they are ready, with the anticipation that several basins will be ready to begin construction by April 2015. Based on its experience with similar projects, the District believes it can complete the project within the schedule provided below.

Project D: East Orosi CSD – Water Conservation and Meter Project

A Gantt chart schedule for the project is included as **Figure 6-5**. The schedule shows the major tasks needed to complete the project. The schedule shows milestones, major deliverables and linkages between tasks. The schedule tasks are consistent with those used in the Work Summary and Budget.

The task necessary for completion prior to construction, Task 2, 5, 6, 7, 8, and 9 are in varying stages of completion. Task 2 (Labor Compliance Program) is as complete as it can be prior to starting construction. While Tasks 5 and 6 (Assessment and Evaluation and Final Design) have not been started, the District has access to standard installation details and will modify those to suit the project. The process of setting the water rates will be initiated as soon as the Notice of Award has been received from DWR, in October. The District has analyzed the noticing requirements and time to prepare a rate study and feels the proposed schedule will be attainable. Task 7 (Environmental Documentation) is essentially complete; the notice only needs to be filed with the County prior to the start of construction. Tasks 8 and 9 (Permitting and Construction Contracting) will be completed immediately prior to construction starting.

East Orosi CSD has previously prepared and received approval of a Labor Compliance Plan and community outreach has begun. The District has consulted with other agencies that have experience with meter installation projects and, based on their discussions; feel the proposed schedule is appropriate to complete the project construction. The first task to complete, upon notice of award, will be the rate study and Proposition 218 election to establish the volumetric rate for the community. The schedule provided shows this critical path item and the time is a realistic estimate for completion prior to beginning meter installation. It is anticipated that all work can be completed by the end of March 2016.

Project E: Sultana CSD – Water Conservation and Meter Project

A Gantt chart schedule for the project is included as **Figure 6-6**. The schedule shows the major tasks needed to complete the project. The schedule shows milestones, major deliverables and linkages between tasks. The schedule tasks are consistent with those used in the Work Summary and Budget.

The task necessary for completion prior to construction, Task 2, 5, 6, 7, 8, and 9 are in varying stages of completion. A consultant has been retained by the District to complete Task 2 (Labor Compliance Program) and, based on discussions with other agencies that have used the consultant; the schedule to prepare a Labor Compliance Plan is attainable. While Tasks 5 and 6 (Assessment and Evaluation and Final Design) have not been started, the District has access to standard installation details and will modify those to suit the project. The process of setting the water rates will be initiated as soon as the Notice of Award has been received from DWR, in October. The District has analyzed the noticing requirements and time to prepare a rate study and feels the proposed schedule will be attainable. Task 7 (Environmental Documentation) is essentially complete; the notice only needs to be filed with the County prior to the start of construction. Tasks 8 and 9 (Permitting and Construction Contracting) will be completed immediately prior to construction starting.

East Orosi CSD has begun community outreach for the project to bring awareness up and encourage signups for the ULFT program. The District has consulted with other agencies that have experience with meter installation projects and, based on their discussions; feel the proposed schedule is appropriate to complete the project construction. The first task to complete, upon notice of award, will be the rate study and Proposition 218 election to establish the volumetric rate for the community. The schedule provided shows this critical path item and the time is a realistic estimate for completion prior to beginning meter installation. It is anticipated that all work can be completed by the end of September 2016.

KINGS BASIN WATER AUTHORITY

FIGURE 6-1











