



# UPPER SANTA CLARA RIVER 2015 IRWM Implementation Grant Attachment 5 – Schedule

## *Proposal Schedule*

A summary schedule for the Proposal and a detailed schedule of each of the individual Projects are provided with Attachment 5. The schedules show the sequence and timing of work items presented in the Proposal and assumes the effective date of the grant agreement to be January 1, 2016. The schedule includes start dates, end dates, and milestones for each work item contained in the Attachment 3 Work Summary, and when applicable, dependence on predecessors is also shown. The schedules for all Projects in this Proposal are as follows:

<b>Project</b>	<b>Start Date</b>	<b>Finish Date</b>
Grant Award Date	1/1/2016	1/1/2016
Project 1. Grant Administration	6/1/2015	6/1/2020
Project 2. CLWA Residential and Commercial Turf Removal Programs	10/31/2011	3/31/2019
Project 3. Santa Clara River Trunk Line Sewer Project Phase II	1/1/2012	5/2/2019
Project 4. Valencia Water Reclamation Plant (WRP) Advanced Water Treatment Facilities	1/1/2011	12/31/2019

## *Project Schedule*

A description of the schedule for each of the three projects is shown on the following pages, including the Proposal Grant Administration schedule. The Project schedule for each of the listed Projects above is also provided on the following pages. Deliverables are noted in red and with a ♦ symbol. Milestones are noted in red and with a ♦ symbol.

## *Consistency with Work Summary*

The schedule in this Attachment 5 is consistent with Attachment 3 (Work Plan) and Attachment 4 (Budget). They include work items under the general categories as follows:

- a) Direct Project Administration Costs
- b) Land Purchase/Easement
- c) Planning/Design/Engineering/Environmental Documentation
- d) Construction/Implementation

## *Start and End Dates of Construction Identified for the Proposal*

Collectively, the Work Plan, Budget, and Schedule demonstrate that two of the three Projects in the application will be ready to bid construction or will begin implementation by April 1, 2016. Those two Projects are:

CLWA Residential and Commercial Turf Removal Programs (Project 2)

NCWD Santa Clara River Trunk Line Sewer Project Phase II (Project 3)

The Valencia WRP Advanced Water Treatment Facilities Project (Project 4) has a bid date of October 2016.

All three projects however will have completed construction by October 31, 2019. While construction for Project No. 4 will be complete by July 1, 2019, internal procedures for processing the Notice of Completion result in an end date of July 1, 2020.

All projects in the proposal are assured to be complete by October 31, 2020.



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## PROJECT 1. GRANT ADMINISTRATION

For Project 1, the overall Grant Administration of the proposal, the schedule and costs are based on the many previous administration efforts for previously awarded Proposition 84 grants. The schedule notes the grant application preparation period of June 1, 2015 to August 7, 2015. It is assumed a consultant will be retained to oversee the administration for the entire proposal and each of the projects within, including schedule and budget. Agreement Administration will begin upon grant award, which is assumed to be January 1, 2016. Invoicing and reporting will occur quarterly starting in the second quarter of 2016.

The status of design is: Not applicable, design is not required for grant administration.

The status of permitting is: Not applicable, no permits are required for grant administration.

That status of environmental documentation is: Not applicable, environmental documents are required for grant administration.

The status of construction is: Not applicable, construction is not required for grant administration.

For these reasons, the proposed schedule for Grant Administration is realistic, reasonable, and accomplishable.

## PROJECT 2. CLWA RESIDENTIAL AND COMMERCIAL TURF REMOVAL PROGRAMS

CLWA has been implementing conservation programs successfully for the past 5 years. Both programs (residential and commercial) have been in existence in a similar form since 2014, and most of the programs in the SCV WUE SP beginning in October 2011. The Residential and Commercial Turf Removal programs have been designed and implemented based on research of other successful removal programs, and documented by the current and past interest in the program. CLWA has increased staffing to respond to the increasing work load that a residential and commercial turf removal program entails. Agreements will be executed between CLWA and each entity wishing to participate in the turf removal programs.

The status of design is: 100% complete

The status of permitting is: 100% complete

That status of environmental documentation is: 100% complete

The status of implementation is: 0% complete

For these reasons, the proposed schedule for the Project is realistic, reasonable, and accomplishable.

## PROJECT 3. SANTA CLARA RIVER TRUNK LINE SEWER PROJECT PHASE II

The schedule for the Trunk Line Sewer Project, Phase II is a preliminary, yet achievable schedule based on the completion of Phase I (funded through the Round 1 Implementation Grant). Construction of the project will occur in three separate construction phases, with the first (A) starting in March 2016, the second (B) in December 2016, and the third (C) starting in December 2017. The schedule shows the start date for bidding of the first element (Phase A) will be completed by March 2016. The schedule shows the finish date for all three elements A, B, and C by February 2019.

The status of design is: 90% complete

The status of permitting is: 90% complete

That status of environmental documentation is: 100% complete

The status of construction is: 0% complete

For these reasons, the proposed schedule for the Project is realistic, reasonable, and accomplishable.



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## PROJECT 4. VALENCIA WRP ADVANCED WATER TREATMENT FACILITIES

The schedule for the Valencia WRP Advanced Water Treatment Facilities Project is a preliminary schedule, and once design progresses to completion, a revised schedule will be provided. The attached schedule was prepared based on the following information:

- The schedule for design reflects both preliminary and final design of the Project. Preliminary design will be performed to summarize project scope, determine design criteria, select treatment processes, and generate selected layouts. The schedule assumes evaluation of multiple UV disinfection technologies and configurations prior to final equipment selection and preliminary design. The schedule allows for the possibility that on-site pilot testing may be conducted to provide information for design of a UV disinfection facility.

The schedule assumes that detailed design will start immediately upon completion of preliminary design. Design for this particular Project must work within the extremely limited space restrictions at the Valencia WRP, replace existing WRP equipment, and must not impact current WRP operations during construction. Open space at the WRP is extremely limited, which presents a challenge to the design of the site layout and sequencing of operational and construction activities.

- The schedule for Advertise/Bid/Award for the Project will utilize the current Santa Clarita Valley Sanitation District procedures for contract advertising, receipt of bids, and award of contract.
- The schedule includes tasks that occur during the period between award of contract and Notice to Proceed, such as signing of contract documents, receipt of required bonds and insurance, State Water Resources Water Board final review and approval of State Revolving Fund loan commitments, and a pre-construction meeting.
- While Task 12 Construction/Implementation is assumed complete by 7/1/2019, and Project Management is assumed complete 6 months after that (on 12/31/2019), the Record Drawings aren't anticipated until 4/1/2020, the Notice of Completion isn't anticipated until 7/1/2020, and the first annual Post Performance Report isn't anticipated until 10/1/2020. The Project Management date wasn't extended to reflect the Record Drawings, Notice of Completion, or Post Performance Reports, although their dates are included in the schedule.

The status of design is: 10% complete

The status of permitting is: 90% complete

That status of environmental documentation is: 90% complete

The status of construction is: 0% complete

Based on this information, the proposed schedule for the Project is realistic, reasonable, and accomplishable.





UPPER SANTA CLARA RIVER 2015 PROPOSITION 84 IRWM IMPLEMENTATION GRANT PROPOSAL SCHEDULE

Note: Deliverables are noted in red; where exact due dates are known they are shown as a ♦ in the schedule

	Start Date	Finish Date	2011		2012				2013				2014				2015				2016				2017				2018				2019				2020									
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
PHASES A, B and C																																														
<b>PROJECT 3 - SANTA CLARA RIVER TRUNK LINE SEWER PROJECT PHASE II</b>	1/1/2012	5/2/2019																																												
Grant Award Date	1/1/2016	1/1/2016																																												
<b>BUDGET CATEGORY A: DIRECT PROJECT ADMINISTRATION</b>	1/1/2016	5/2/2019																																												
Task 1 - Project Management	1/1/2016	5/2/2019																																												
Environmental Information Form	6/1/2016	6/1/2016																																												
Financial Statements	6/1/2016	6/1/2016																																												
Invoices (coincides with Progress Reports)	6/1/2016	3/31/2019																																												
Task 2 - Labor Compliance Program	3/1/2016	2/1/2019																																												
Proof of Labor Compliance on Request	Upon Request																																													
Task 3 - Reporting	6/1/2016	5/2/2019																																												
Subtask 3.1 - Quarterly Project Progress Reports	6/1/2016	3/31/2019																																												
Progress Report No. 1	6/1/2016	9/30/2016																																												
Progress Report No. 2	9/1/2016	12/31/2016																																												
Progress Report No. 3	12/1/2016	3/31/2017																																												
Progress Report No. 4	3/1/2017	6/30/2017																																												
Progress Report No. 5	6/1/2017	9/30/2017																																												
Progress Report No. 6	9/1/2017	12/31/2017																																												
Progress Report No. 7	12/1/2017	3/31/2018																																												
Progress Report No. 8	3/1/2018	6/30/2018																																												
Progress Report No. 9	6/1/2018	9/30/2018																																												
Progress Report No. 10	9/1/2018	12/31/2018																																												
Progress Report No. 11	12/1/2018	3/31/2019																																												
Subtask 3.2 - Project Completion Report	3/31/2019	5/2/2019																																												
Draft and Final Project Completion Report	4/2/2019	5/2/2019																																												
Post Performance Reports (NCWD to provide these as required, the first due 5/2/2020; not included in budget)	5/2/2020	5/2/2020																																												
<b>BUDGET CATEGORY B: LAND PURCHASE/EASEMENT</b>	12/1/2016	2/1/2017																																												
Task 4 - Land Purchase/Easement Acquisition	12/1/2016	2/1/2017																																												
Copy of Easement as applicable	2/1/2017	2/1/2017																																												
<b>BUDGET CATEGORY C: PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION</b>	1/2/2012	2/1/2019																																												
Task 5 - Feasibility Studies (100% Complete)	1/2/2012	1/30/2014																																												
Sand Canyon Sewer Relocation Alternatives Feasibility Analysis	1/2/2012	1/30/2014																																												
Task 6 - CEQA Documentation (100% Complete)	4/11/2014	4/11/2014																																												
Copy of Final Mitigated Negative Declaration	4/11/2014	4/11/2014																																												
Copy of Notice of Completion/Notice of Determination	4/11/2014	4/11/2014																																												
Copy of Mitigation Monitoring Program	4/11/2014	4/11/2014																																												
No Legal Challenges Letter	3/1/2016	3/1/2016																																												
Task 7 - Permitting	4/7/2014	4/1/2018																																												
CDFW Streambed Alteration Agreement (100% Complete)	4/23/2014	4/23/2014																																												
ACOE Nationwide Permit (100% Complete)	4/7/2014	4/7/2014																																												
LARWQCB 401 Certification (pending)	Pending (estimated by 4/1/2018)																																													
Task 8 - Design	3/1/2016	2/1/2019																																												
Subtask - 8.1 Plan Preparation and Specification	3/1/2016	2/1/2018																																												
Subtask - 8.2 Record Drawings	9/1/2016	2/1/2019																																												
Sand Canyon Sewer Relocation Alternatives Feasibility Analysis (100% Complete)	1/30/2014	1/30/2014																																												
Final Plans and Specification	2/1/2018	2/1/2018																																												
Record Drawings	2/1/2019	2/1/2019																																												
Task 9 - Project Performance Monitoring Plan	3/1/2016	3/1/2016																																												
Project Performance Monitoring Plan	3/1/2016	3/1/2016																																												
			PHASE A				PHASE B				PHASE C																																			
<b>BUDGET CATEGORY D: CONSTRUCTION/IMPLEMENTATION</b>	3/1/2016	10/1/2016	12/1/2016	2/1/2018	12/1/2017	2/1/2019																																								
Task 10 - Contract Services	3/1/2016	5/1/2016	12/1/2016	4/1/2017	12/1/2017	4/1/2018																																								
Bid Documents	3/1/2016	3/1/2016	2/1/2017	3/1/2017	2/1/2018	3/1/2018																																								
Public Bid Package	3/1/2016	5/1/2016	3/1/2017	4/1/2017	3/1/2018	4/1/2018																																								
Award of Contract	5/1/2016	5/1/2016	4/1/2017	4/1/2017	4/1/2018	4/1/2018																																								
Notice to Proceed	5/1/2016	5/1/2016	4/1/2017	4/1/2017	4/1/2018	4/1/2018																																								
Task 11 - Construction Administration	4/1/2016	10/1/2016	4/1/2017	2/1/2018	4/1/2018	2/1/2019																																								
Task 12 - Construction/Implementation Activities	4/1/2016	10/1/2016	4/1/2017	2/1/2018	4/1/2018	2/1/2019																																								
12.1 - Contractor Submittals and Review	4/1/2016	5/1/2016	4/1/2017	5/1/2017	4/1/2018	5/1/2018																																								
12.2 - New Sewer Installation	7/1/2016	10/1/2016	7/1/2017	12/1/2017	7/1/2018	12/1/2018																																								
12.3 - Abandonment of Old Sewer	NA	NA	1/1/2018	2/1/2018	1/1/2019	2/1/2019																																								
Photographic Documentation (provided in Quarterly Progress Reports and in Project Completion Report)	6/1/2016	12/31/2016	12/1/2016	12/31/2017	12/1/2017	3/31/2019																																								
Notice of Completion	10/1/2016	10/1/2016	2/1/2018	2/1/2018	2/1/2019	2/1/2019																																								

LEGEND

Overall Progress	<span style="background-color: #00b0f0; width: 20px; height: 10px; display: inline-block;"></span>
Budget Category Progress	<span style="background-color: #808080; width: 20px; height: 10px; display: inline-block;"></span>
Task Progress	<span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span>
Subtask Progress	<span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span>
Milestone	♦
Deliverable	◆

