

# ATTACHMENT 6

# SCHEDULE



**East Contra Costa County  
2014 IRWM Drought Grant Proposal**

**ATTACHMENT 6 –  
SCHEDULE**

In accordance with the PSP, this attachment includes a schedule for implementation of the Proposal showing the sequence and timing of each of the proposed projects. This attachment includes:

- ✓ A schedule for each project
- ✓ A brief description describing how the schedule is realistic, reasonable, and accomplishable; and
- ✓ A schedule for the overall proposal.

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ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	2015											
							May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1		<b>Project #1 - CCWD-BBID Regional Intertie</b>	<b>284 days</b>	<b>Fri 6/13/14</b>	<b>Wed 7/15/15</b>													
2		<b>(a) Direct Project Administration Tasks</b>	<b>284 days</b>	<b>Fri 6/13/14</b>	<b>Wed 7/15/15</b>													
3		Task 1 - Administration	284 days	Fri 6/13/14	Wed 7/15/15													
4		<b>Task 2 - Labor Compliance Program</b>	<b>146 days</b>	<b>Mon 12/1/14</b>	<b>Mon 6/22/15</b>													
5		Develop LCP	4 wks	Mon 12/1/14	Fri 12/26/14													
6		Submit LCP	1 day	Mon 12/29/14	Mon 12/29/14	5												
7		Labor Compliance Tracking	6 mons	Tue 1/6/15	Mon 6/22/15	6FS+1 wk												
8		<b>Task 3 - Reporting</b>	<b>151 days</b>	<b>Wed 12/17/14</b>	<b>Wed 7/15/15</b>													
9		<b>Quarterly Reports</b>	<b>131 days</b>	<b>Wed 12/17/14</b>	<b>Wed 6/17/15</b>													
13		Final Project Report	1 day	Wed 7/15/15	Wed 7/15/15													
14		<b>(b) Land Purchase/Easement</b>	<b>55 days</b>	<b>Mon 8/11/14</b>	<b>Fri 10/24/14</b>													
15		<b>Task 4 - Land Acquisition</b>	<b>55 days</b>	<b>Mon 8/11/14</b>	<b>Fri 10/24/14</b>													
16		Survey/Confirm Existing Easements	3 wks	Mon 8/11/14	Fri 8/29/14	25												
17		Secure Temporary Access Agreements with Adjacent Properties	2 mons	Mon 9/1/14	Fri 10/24/14	16												
18		<b>(c) Planning/Design/Env. Doc./Permitting</b>	<b>105 days</b>	<b>Fri 6/13/14</b>	<b>Thu 11/6/14</b>													
19		<b>Task 5 - Planning</b>	<b>25 days</b>	<b>Mon 9/1/14</b>	<b>Fri 10/3/14</b>													
20		Technical Project Planning - COMPLETE																
21		Development of Agreement between CCWD and BBID	5 wks	Mon 9/1/14	Fri 10/3/14	27												
22		<b>Task 6 - Design</b>	<b>87 days</b>	<b>Fri 6/13/14</b>	<b>Mon 10/13/14</b>													
23		Prepare Preliminary Design Report	6 wks	Fri 6/13/14	Thu 7/24/14													
24		Submit Preliminary Design Report	1 day	Fri 7/25/14	Fri 7/25/14	23												
25		Review PDR	2 wks	Mon 7/28/14	Fri 8/8/14	24												
26		Prepare 50% Design	3 wks	Mon 8/11/14	Fri 8/29/14	25												
27		Submit 50% Design	1 day	Fri 8/29/14	Fri 8/29/14	26FS-1 day												
28		Design Review	2 wks	Mon 9/1/14	Fri 9/12/14	27												
29		Prepare Final Design/Bid Package	4 wks	Mon 9/15/14	Fri 10/10/14	28												
30		Submit Final Plans and Specs	1 day	Mon 10/13/14	Mon 10/13/14	29												
31		<b>Task 7 - Environmental Documentation</b>	<b>91 days</b>	<b>Thu 7/3/14</b>	<b>Thu 11/6/14</b>													
32		Develop Draft Notice of Exemption	6 wks	Thu 7/3/14	Wed 8/13/14													
33		Develop Final NOE	9 wks	Thu 8/14/14	Wed 10/15/14	32												
34		Adopt NOE	1 day	Wed 11/5/14	Wed 11/5/14	33FS+14 days												
35		File Notice of Exemption	1 day	Thu 11/6/14	Thu 11/6/14	34												
36		Task 8 - Permitting [NOT APPLICABLE]																
37		<b>(d) Construction</b>	<b>153 days</b>	<b>Wed 11/5/14</b>	<b>Fri 6/5/15</b>													
38		<b>Task 9 - Construction Contracting</b>	<b>30 days</b>	<b>Wed 11/5/14</b>	<b>Tue 12/16/14</b>													
39		Advertise for Bids	4 wks	Wed 11/5/14	Tue 12/2/14													

Project #1 - CCWD-BBID Regional Intertie Date: Tue 7/15/14	Task		External Tasks		Manual Task		Finish-only		
	Split		External Milestone		Duration-only		Deadline		
	Milestone		Inactive Task		Manual Summary Rollup		Progress		
	Summary		Inactive Milestone		Manual Summary				
	Project Summary		Inactive Summary		Start-only				



## CCWD-BBID Regional Intertie Schedule Description

### (a) Direct Project Administration Schedule

The Direct Project Administration schedule stretches the entire duration of the project, from the start of the design work in June 2014 to the submittal of the final project report to DWR in June 2015.

### (b) Land Purchase/Easement Schedule

All necessary land and easements have already been acquired for this project. Surveying will be completed and easements will be confirmed with each agency by the end of August 2014. Agreements with adjacent properties for temporary access will be secured in November 2014.

### (c) Planning/Design/Engineering/Environmental Documentation Schedule

Technical planning for the CCWD-BBID Regional Intertie project is already complete. The schedule includes 5 weeks for CCWD and BBID to negotiate an agreement for ownership, operation and cost sharing of the intertie.

Work on **Task 6 – Design**, began in June 2014 with the start of preliminary design. The 50% design plans and specs are scheduled to be completed by the end of August, 2014. Final design and specifications are scheduled to be completed in October 2014.

Work on **Task 7 – Environmental Documentation**, began in July 2014 and involved pulling together a draft Notice of Exemption (NOE) for the project. A final NOE will be prepared and filed in October 2014, following completion of the design.

No permitting activities are anticipated for this project.

### (d) Construction/Implementation Schedule

The schedule for **Task 9 – Construction Contracting** includes six weeks dedicated to Bid Advertisement activities. As shown in the schedule, Notice of Award of the Regional Intertie work is expected on December 16, 2014, well ahead of the April 1, 2015 date targeted in the grant.

As shown in the schedule for **Task 10 – Construction**, it is expected that construction activities will take between January 2015 and June 2015. This 6-month schedule includes time for: contractor submittals, fabrication of pipe/valve, mobilization, survey, excavation and site grading, constructing the intertie and necessary supports, providing power to site, programming/integration, start-up/testing, and demobilization. The schedule for project implementation is accelerated due to the acute water shortage BBID anticipates if 2015 is another dry year and their pre-1914 water rights are curtailed.

### (e) Overall Schedule

With preliminary design already underway, work on the CCWD-BBID Regional Intertie project has already started in earnest. Construction is scheduled to begin in January 2015 and is projected to be done by June 2015, with the final project report submitted to DWR by July 2015.



ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	2015												2016						
							May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
42		Task 11 - Env. Compliance/Mitigation: NOT APPLICABLE																							
43		Task 12 - Construction Admin	160 days	Thu 3/5/15	Wed 10/14/15	35SS																			

Project #2 - DWD Leak Detection & Repair Date: Mon 7/7/14	Task		External Tasks		Manual Task		Finish-only	
	Split		External Milestone		Duration-only		Deadline	
	Milestone		Inactive Task		Manual Summary Rollup		Progress	
	Summary		Inactive Milestone		Manual Summary			
	Project Summary		Inactive Summary		Start-only			

## DWD Leak Detection and Repair Schedule Description

### (a) Direct Project Administration Schedule

The Direct Project Administration schedule stretches the entire duration of the project, from the start of the planning work in October 2014 to the submittal of the final project report to DWR in December 2015.

### (b) Land Purchase/Easement Schedule

There is no schedule associated with this category as all work will be performed in public rights-of-way and no land acquisition or easements are required.

### (c) Planning/Design/Engineering/Environmental Documentation Schedule

The schedule for **Task 5 – Planning**, begins in October 2014 and includes two weeks to finalize the exact project area in which 10 miles of DWD’s distribution system will be surveyed, as well as two months to perform the actual leak detection survey and generate a Leak Detection Report. A quote received from a Leak Detection consultant indicates they are able to survey 3 miles in a day, so this schedule is more than adequate to for this task.

The schedule for **Task 6 – Design**, begins in Mid-October 2014, after the exact project area is confirmed, and runs until the end of 2014, following completion of the Leak Detection Survey. This task involves development of a Bid Package for the leak repair work, and is largely comprised of boilerplate drawings (e.g. pavement details) that will be pulled together by District staff. The schedule is more than adequate for this type of project, and includes plenty of float to account for the end of year holidays.

Work on **Task 7 – Environmental Documentation**, which involves pulling together a Notice of Exemption for this project, begins in early January 2015 (following completion of the final bid package) and ends at the end of January with the filing of the NOE. Only a few hours of DWD staff time is needed for this task, so plenty of float has been provided in the schedule.

The schedule for **Task 8 – Permitting** includes three weeks to apply for and secure an encroachment permit from the City of Oakley prior to the start of implementing the repair work. This typically only takes three days.

### (d) Construction/Implementation Schedule

The schedule for **Task 9 – Construction Contracting** includes six weeks dedicated to Bid Advertisement activities. As shown in the schedule, Notice of Award of the leak repair work is expected on February 25, 2015, well ahead of the April 1, 2015 date targeted in the grant.

As shown in the schedule for **Task 10 – Construction**, it is expected that construction activities will take place over a seven month period from early March 2015 to early October 2015. This 7-month schedule includes time for contractor submittals (bonds, insurance, materials), time for District review of those submittals, time to order and receive materials, time to perform the leak repair work, time to make pavement repairs, and time to close out the project. The schedule for **Task 12 – Construction Administration** activities will run concurrent with construction work.

### (e) Overall Schedule

Work on the DWD Leak Detection and Repair project will begin in earnest in October 2014 with the start of the Leak Detection Survey work. Construction is scheduled to begin in March 2015 and be done by early October 2015, with the final project report submitted to DWR by December 2015.



## ISD Irrigation and Recycled Water Fill Station Schedule Description

### (a) Direct Project Administration Schedule

The Direct Project Administration schedule stretches the entire duration of the project, from the start of the planning work in September 2014 to the submittal of the final project report to DWR in September 2015.

### (b) Land Purchase/Easement Schedule

There is no schedule associated with this category as all work will be performed on ISD property.

### (c) Planning/Design/Engineering/Environmental Documentation Schedule

The schedule for **Task 5 – Planning**, which begins in early September, includes four weeks for ISD staff to complete a Preliminary Design Report on the project. This is more than adequate given the scope of the project (1,500 LF of 8” pipeline and a RW Fill station), and given that these facilities will be constructed on District property.

The schedule for **Task 6 – Design**, begins in Mid-October, after the PDR is complete, and runs until the end of the year. This task involves development of a Bid Package, including final plans and specifications, for the Project’s recycled water facilities. As this design work will be done in-house by ISD staff, the schedule is adequate given the scope of the Project.

Work on **Task 7 – Environmental Documentation**, which involves pulling together a Notice of Exemption for this project, will be completed in Mid-December 2014 (following completion of the final bid package) and adopted at the first ISD Board meeting in January 2015. Given that this is an NOE to be developed by District staff for a project constructed entirely within District property, very little time is required for this task.

### (d) Construction/Implementation Schedule

The schedule for **Task 9 – Construction Contracting** includes six weeks dedicated to Bid Advertisement activities. As shown in the schedule, Notice of Award of the recycled water project is expected on March 3, 2015, well ahead of the April 1, 2015 date targeted in the grant.

As shown in the schedule for **Task 10 – Construction**, it is expected that construction activities will take between March 2015 and July 2015. This 4-month schedule includes time for contractor submittals (bonds, insurance, materials), time for District review of those submittals, time to order and receive materials, time to install the recycled water facilities work, and time to close out the project.

The schedule for **Task 12 – Construction Administration** activities will run concurrent with construction work.

### (e) Overall Schedule

Work on the ISD Irrigation and Recycled Water Fill Station project will begin in earnest in September 2014 with the start of the Preliminary Design Report work. Construction is scheduled to begin in March 2015 and be done in July 2015, with the final project report submitted to DWR by September 2015.

