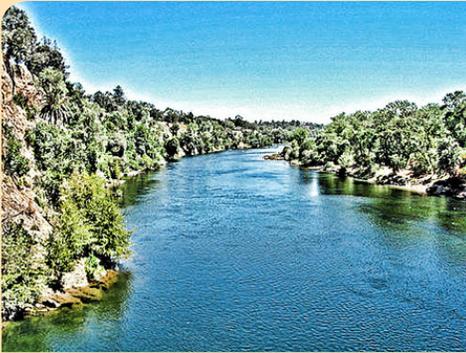


Attachment 6

Schedule



Attachment 6: Schedule

Overview

The following Attachment provides an overall schedule for the Mokelumne / Amador / Calaveras (MAC) Integrated Regional Water Management (IRMW) Proposition 84 2014 Drought Implementation Grant Proposal, plus individual schedules for the projects that are discussed in Attachment 4, Work Summary of this grant application. The schedules presented herein are consistent with the Work Summary (Attachment 4) and Budget (Attachment 5) and have an assumed grant award date of October 16, 2014.

The Schedule shows the start and end dates for each project task, plus the project duration in Gantt chart format. The schedule also illustrates work items that are dependent on one another through linkages. It is important to note that, while the schedules show the Project Performance Monitoring Plan implementation to end with construction, it is understood that project performance monitoring will continue post-construction for a period up to 10 years or as required by the executed DWR grant agreement.

Brief descriptions as to how the schedules are realistic, reasonable, and accomplishable for each project are included below.

Upper Amador Canal Untreated Pipeline Project Schedule

Assessment and evaluation for the Upper Amador Canal Untreated Pipeline Project is complete. Multiple studies and environmental documentation have been prepared for the Amador Transmission Project in recent years. This Project is the second phase of the Amador Transmission Project. Project design has also already started; approximately 15% of the design is complete. Assuming design continues and land acquisition begins on the grant award date, design is expected to be complete by the end of February 2015 and land would be acquired prior to April 2015. Similarly, the Amador County Encroachment Permit and the Stormwater Pollution Prevention Plan permit will be acquired and complete by the end of February. Immediately following final design, permit acquisition, and land acquisition, construction contracting would begin, expected to occur in March 2015 with approval of award occurring April 1, 2015. Construction is expected to take approximately 14 months with an anticipated construction completion date in June 2016. At this time the pipeline would be in place and water savings would immediately be seen, improving water supply reliability to users along the canal and to AWA.

Ione WTP Backwash Water Reuse Project Schedule

Significant progress has been made in the development of the Ione WTP Backwash Water Reuse Project. Assessment and Evaluation was completed in 2013. Design of the Project started in March 2013 and is expected to be complete in August 2014. It is currently at the 60% design level. Environmental documentation consists of a Categorical Exemption; a Notice of Exemption will be filed in August 2014 as well. Beginning in August, AWA will begin amending its CDPH permit to operate the WTP; this process will be complete prior to operation. Construction contracting is expected to begin in October 2014 with bid award in December 2014. Immediately following, construction and project performance monitoring will begin. The project will be complete in June 2015, providing a new water supply through the reuse of backwash water at the Ione WTP for AWA customers in the Amador Water System.

Proposal Schedule

ID	Task Name	Duration	Start	Finish	2011		2012		2013		2014		2015		2016				
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	Mokelumne/Amador/Calaveras IRWM 2014 Implementation Grant Proposal	900 days	Mon 2/18/13	Fri 7/29/16															
2	Upper Amador Canal Untreated Pipeline Project	457 days	Thu 10/16/14	Fri 7/15/16															
25	Ione WTP Backwash Water Reuse Project	900 days	Mon 2/18/13	Fri 7/29/16															



Project: 5.Project# Schedule
Date: Mon 7/14/14

Task		External Milestone		Manual Summary Rollup	
Split		Inactive Task		Manual Summary	
Milestone		Inactive Milestone		Start-only	
Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Progress	
External Tasks		Duration-only		Deadline	

Upper Amador Canal Untreated Pipeline Project Schedule

ID	Task Name	Duration	Start	Finish	2014																							
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J		
1	Mokelumne/Amador/Calaveras IRWM 2014 Implementation Grant Proposal	457 days	Thu 10/16/14	Fri 7/15/16																								
2	Upper Amador Canal Untreated Pipeline Project	457 days	Thu 10/16/14	Fri 7/15/16																								
3	Grant Award Date	0 days	Thu 10/16/14	Thu 10/16/14																								
4	Category (a): Direct Project Administration	457 days	Thu 10/16/14	Fri 7/15/16																								
5	Task 1: Administration	457 days	Thu 10/16/14	Fri 7/15/16																								
6	Task 2: Labor Compliance Program	328 days	Wed 4/15/15	Fri 7/15/16																								
7	Task 3: Reporting	457 days	Thu 10/16/14	Fri 7/15/16																								
8	Category (b): Land Purchase/Easement	120 days	Thu 10/16/14	Wed 4/1/15																								
9	Task 4: Land Acquisition	120 days	Thu 10/16/14	Wed 4/1/15																								
10	Category (c): Planning/Design/Engineering/Environmental Documentation	406 days	Thu 10/16/14	Thu 5/5/16																								
11	Task 5: Assessment and Evaluation - Complete	1 day	Tue 12/16/14	Tue 12/16/14																								
12	Task 6: Final Design	97 days	Thu 10/16/14	Fri 2/27/15																								
13	Task 7: Environmental Documentation - Complete	1 day	Thu 5/5/16	Thu 5/5/16																								
14	Task 8: Permitting	54 days	Tue 12/16/14	Sat 2/28/15																								
15	Category (d): Construction/Implementation	338 days	Mon 3/2/15	Wed 6/15/16																								
16	Task 9: Construction Contracting	23 days	Mon 3/2/15	Wed 4/1/15																								
17	Task 10: Construction	316 days	Wed 4/1/15	Wed 6/15/16																								
18	Mobilization and Site Preparation	20 days	Wed 4/1/15	Tue 4/28/15																								
19	Project Construction	250 days	Tue 4/28/15	Mon 4/11/16																								
20	Performance Testing and Demobilization	48 days	Mon 4/11/16	Wed 6/15/16																								
21	Task 11: Environmental Compliance/Mitigation/Enhancement	316 days	Wed 4/1/15	Wed 6/15/16																								
22	Environmental Enhancement/Mitigation Measures	316 days	Wed 4/1/15	Wed 6/15/16																								
23	Project Performance Monitoring	316 days	Wed 4/1/15	Wed 6/15/16																								
24	Task 12: Construction Administration	316 days	Wed 4/1/15	Wed 6/15/16																								

Project: 5.Project# Schedule
Date: Mon 7/7/14

Task		External Milestone		Manual Summary Rollup	
Split		Inactive Task		Manual Summary	
Milestone		Inactive Milestone		Start-only	
Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Progress	
External Tasks		Duration-only		Deadline	

Ione WTP Backwash Water Reuse Project Schedule

ID	Task Name	Duration	Start	Finish	Half 1, 2013	Half 2, 2013	Half 1, 2014	Half 2, 2014	Half 1, 2015	Half 2, 2015	Half 1, 2016	H																							
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
1	Mokelumne/Amador/Calaveras IRWM 2014 Implementation Grant Proposal	900 days	Mon 2/18/13	Fri 7/29/16	[Gantt bar]																														
2	Ione WTP Backwash Water Reuse Project	900 days	Mon 2/18/13	Fri 7/29/16	[Gantt bar]																														
3	Grant Award Date	0 days	Thu 10/16/14	Thu 10/16/14	[Milestone diamond]																														
4	Category (a): Direct Project Administration	467 days	Thu 10/16/14	Fri 7/29/16	[Gantt bar]																														
5	Task 1: Administration	467 days	Thu 10/16/14	Fri 7/29/16	[Gantt bar]																														
6	Task 2: Labor Compliance Program	183 days	Mon 11/17/14	Wed 7/29/15	[Gantt bar]																														
7	Task 3: Reporting	467 days	Thu 10/16/14	Fri 7/29/16	[Gantt bar]																														
8	Category (b): Land Purchase/Easement - Not applicable	1 day	Thu 10/16/14	Thu 10/16/14	[Gantt bar]																														
9	Task 4: Land Acquisition - Not Applicable	1 day	Thu 10/16/14	Thu 10/16/14	[Gantt bar]																														
10	Category (c): Planning/Design/Engineering/Environmental Documentation	617 days	Mon 2/18/13	Tue 6/30/15	[Gantt bar]																														
11	Task 5: Assessment and Evaluation	9 days	Mon 2/18/13	Thu 2/28/13	[Gantt bar]																														
12	Task 6: Final Design	380 days	Fri 3/1/13	Thu 8/14/14	[Gantt bar]																														
13	Task 7: Environmental Documentation	23 days	Tue 7/15/14	Thu 8/14/14	[Gantt bar]																														
14	Task 8: Permitting	229 days	Thu 8/14/14	Tue 6/30/15	[Gantt bar]																														
15	Category (d): Construction/Implementation	359 days	Thu 10/16/14	Tue 3/1/16	[Gantt bar]																														
16	Task 9: Construction Contracting	44 days	Thu 10/16/14	Tue 12/16/14	[Gantt bar]																														
17	Task 10: Construction	316 days	Tue 12/16/14	Tue 3/1/16	[Gantt bar]																														
18	Subtask 10.1: Mobilization and Site Preparation	12 days	Tue 12/16/14	Wed 12/31/14	[Gantt bar]																														
19	Subtask 10.2: Project Construction	110 days	Wed 12/31/14	Tue 6/2/15	[Gantt bar]																														
20	Subtask 10.3: Performance Testing and Demobilization	21 days	Tue 6/2/15	Tue 6/30/15	[Gantt bar]																														
21	Task 11: Environmental Compliance/Mitigation/Enhancement	141 days	Tue 12/16/14	Tue 6/30/15	[Gantt bar]																														
22	Project Performance Monitoring	141 days	Tue 12/16/14	Tue 6/30/15	[Gantt bar]																														
23	Task 12: Construction Administration	141 days	Tue 12/16/14	Tue 6/30/15	[Gantt bar]																														

Project: 5.Project# Schedule
Date: Mon 7/7/14

Task		External Tasks		Manual Task		Finish-only	
Split		External Milestone		Duration-only		Progress	
Milestone		Inactive Task		Manual Summary Rollup		Deadline	
Summary		Inactive Milestone		Manual Summary			
Project Summary		Inactive Summary		Start-only			