

Attachment

6

Greater Los Angeles County Region

IRWM Implementation Grant Proposal

Schedule

Attachment 6 consists of the following items:

Schedule. Attachment 6 provides a schedule for each project within this Implementation Grant Proposal, as well as a summary schedule for the entire proposal. Each section following includes the proposed schedule for each individual project in this Proposal.

This Schedule Attachment provides detailed schedules for implementation of the projects in the proposal, as well as a summary schedule. The schedules show that the first project plans have already begun implementation/construction on March 2014. The categories in the individual project schedules are consistent with those presented in the Work Summary (Attachment 4) and Budgets (Attachment 5).

Proposal Schedule

As described in Attachment 3, the *Greater Los Angeles County Prop. 84, Round 3, Part 1 Grant Application* involves implementation of 14 projects to meet the Region's water management needs. The Proposal schedule assumes a grant award date of October 16, 2014. A summary schedule for the Proposal is provided in Table 6-1, which identifies the proposed construction start date for each project.

Detailed Proposal Work Item Schedules

Detailed schedules for each of the projects included within this proposal are provided in the following sections, along with descriptions of the steps necessary to ensure that the proposed schedule can be met and demonstrates that each project can start before April 1, 2015.

Table 6-1: Summary Schedule

#	Project	2012	2013	2014	2015	2016	Project Construction Start Date
1	Los Angeles-Burbank Groundwater System Interconnection						March 2015
2	Mission Wells Improvement						July 2014
3	Manhattan Wells Improvement						November 2014
4	TIWRP Advanced Water Purification Facility and Distribution System Expansion						October 2014
5	Recycled Water Turnouts						February 2015
6	Goldsworthy Desalter Expansion						January 2015
7	Be a Water Saver Conservation Program						July 2014
8	On-Site Recycled Water Retrofits						May 2015
9	USGVMWD Recycled Water Program Expansion						April 2015
10	West Coast Basin Barrier Unit 12 Injection and Observation Wells						May 2015
11	Rockhaven Well						April 2015
12	Water Budget Based Rates Implementation						March 2014
13	Well No. 2 Rehabilitation						March 2015
14	Pomona Basin Regional Groundwater						February 2015

Legend Planning/Design/Engineering/Environmental/Solicitation Construction/Implementation

Los Angeles-Burbank Groundwater System Interconnection Project (Project)

The schedule presented is reasonable based on the current available information and assuming a grant award date of October 16, 2014. The Project will be ready to begin construction/implementation prior to April 1, 2015. This Project will connect the Los Angeles Department of Water and Power (LADWP) and Burbank Water and Power (BWP) distribution systems. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – The LADWP Project Manager will be responsible for ensuring the steps necessary to complete this Project are underway and will generate invoices for the duration of the Project. Project Administration began on April 15, 2014 and will end approximately three months after construction is complete (October 1, 2015). Schedule for grant application preparation was determined from the schedule provided in the consultant proposal. *Task 2: Labor Compliance Program* – The City of Los Angeles has approved and adopted a Labor Compliance Program (LCP) in accordance with Labor Code Section 1771.5. The LCP will be implemented and managed by the contractor for the duration of construction (March 9, 2015 – July 8, 2015). *Task 3: Reporting* – Quarterly Progress Reports will be produced by the LADWP staff for the Project as required for grant funding beginning when the grant is awarded through the completion of the Project (October 16, 2014 – July 8, 2015). The Final Report will be submitted when the Project is complete (July 8, 2015).

Land Purchase/Easement: This Project does not require the purchasing of land or lease agreements.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – Iterative hydraulic modeling and pressure data recording will be used to assess that the proposed interconnection is feasible and will still allow each agency to provide water at acceptable pressures to neighboring service connections (April 15, 2014 – July 15, 2014). *Task 6: Final Design* – 30%, 60%, 90%, and 100% Design Plans will be completed and reviewed prior to the beginning of construction (expected completion on January 2, 2015). *Task 7: Environmental Documentation* – A Categorical Exemption will be completed prior to the start of construction (November 27, 2014). *Task 8: Permitting* – All permits will be received prior to the start of construction. The permits will be attained after the designs are 30% complete (November 7, 2014 – March 6, 2015).

Construction/Implementation: *Task 9: Construction Contracting* – All construction will be performed by in-house resources. Therefore, contracting will not be required for this Project. *Task 10: Construction* – The contractor will mobilize and prepare the site starting March 9, 2015, and the project construction will begin by March 26, 2015. Construction activities will take approximately two and a half months with an additional two weeks to demobilize the site. *Task 11: Environmental Compliance/Mitigation/Enhancement* – Environmental mitigation is not required for the Project. *Task 12: Construction Administration* – Construction management will be handled by the LADWP and BWP for the duration of the Project (March 9, 2015 – July 8, 2015).

Mission Wells Improvement Project (Project)

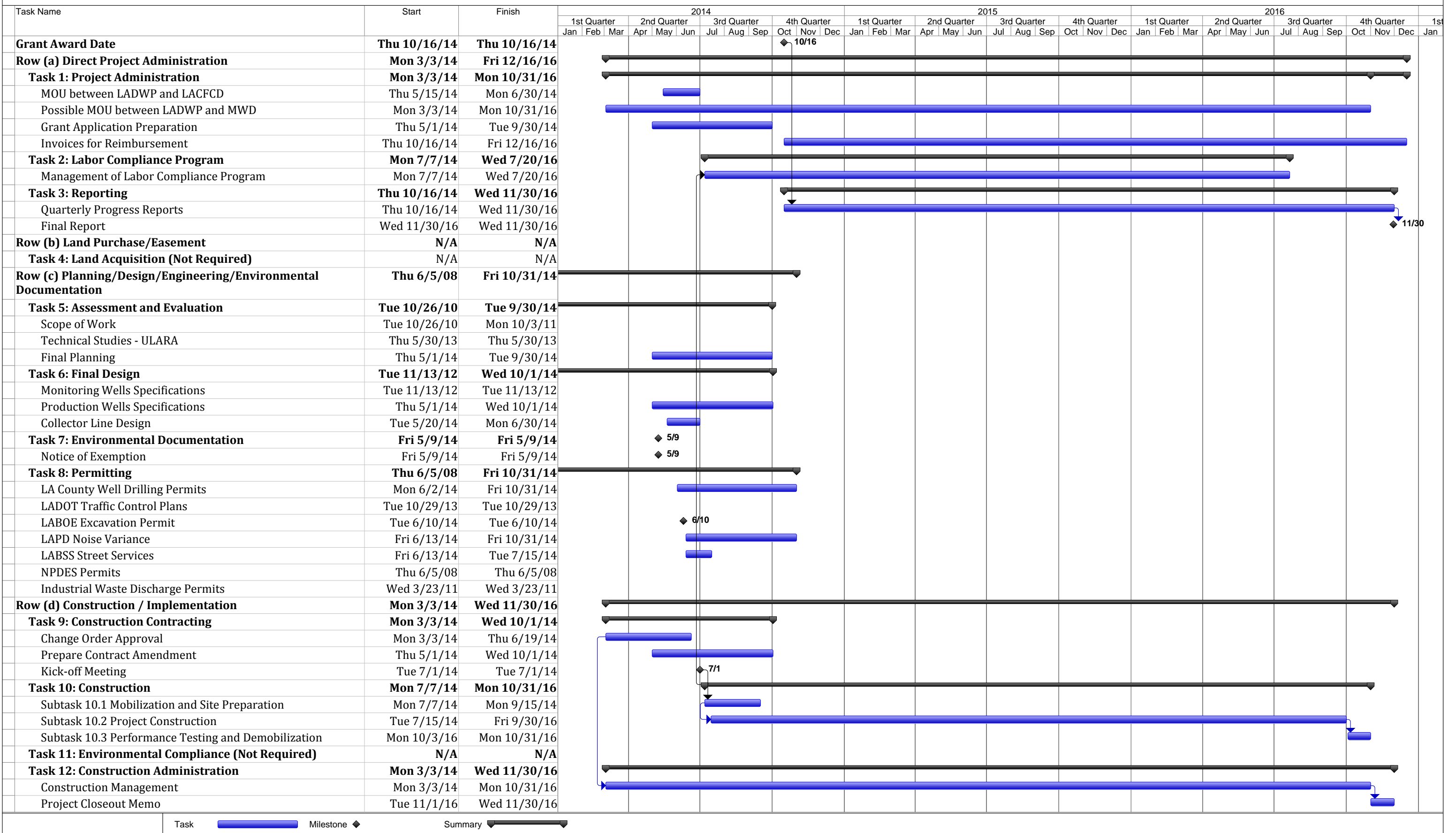
The schedule presented is reasonable based on the current (2014) available information, whereas the Project will be ready to begin construction/implementation prior to April 1, 2015. This Project consists of installing three production wells, up to five monitoring wells and a collector line to connect the groundwater to the distribution system. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – The Memorandum of Understanding (MOU) between LADWP and the Los Angeles County Flood Control District (LACFCD) is almost completed. Schedule for grant application preparation was determined from schedule provided in consultant proposal. The MOU between LADWP and MWD may not be necessary as LADWP has all the resources in house. LADWP will be responsible for conducting progress meetings and the administration of the grant funding which will include providing copies of all invoices for the duration of the Project (March 3, 2014 – November 30, 2016). *Task 2: Labor Compliance Program* – The City of Los Angeles has approved and adopted a LCP in accordance with Labor Code Section 1771.5. The Labor Compliance Program will be implemented by the contractor for the duration of the Project once the grant has been awarded (October 16, 2014 – October 31, 2016). *Task 3: Reporting* – Quarterly progress reports and the project completion report will be produced by LADWP as required for grant funding beginning when the grant is awarded (October 16, 2014 – November 30, 2016).

Land Purchase/Easement: Land purchase/easement is not required for the production and monitoring wells and collector line. The production wells, collector line, and pump station upgrade will be built in LADWP property. Up to five monitoring wells will be built in the public right-of-way and do not require land purchase/easement.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – The Final Scope of Work Document for the Project was completed on October 3, 2011. Originally, the schedule for construction was 2025 and due to the drought, the Project was expedited and the schedule and budget was revised to start in July 2014 (October 26, 2010 – September 30, 2014). *Task 6: Final Design* – The Monitoring Well Specifications Design Plans and the Collector Line/Well Connection Plans are completed. The Production Well Specification Design Plans will be completed by October (May 1, 2014 – October 1, 2014). *Task 7: Environmental Documentation* – A Notice of Exemption was completed on May 9, 2014 for this Project. *Task 8: Permitting* – All permits for the first monitoring well have been obtained. Permits for the remaining monitoring wells (2-5) will be obtained if wells are installed, depending on the field findings from the first monitoring well. The collector line will be constructed in LADWP property and permits are not required. Production wells will be constructed in LADWP property and LADWP anticipates only obtain approval for LA County Public Health Well Drilling and Los Angeles Police Department Noise Variance permits for the production wells will be obtain by October 2014. The National Pollutant Discharge Elimination System and Industrial Waste Discharge Permits are already approved.

Construction/Implementation: *Task 9: Construction Contracting* – With the Project's expedited schedule, the construction contracting time was greatly reduced as LADWP already has a contract with a contractor. A change order was issued and has been approved for the construction of the monitoring wells and a contract amendment is being developed for the construction of the production wells. The kick-off between LADWP and the contractor occurred on July 1, 2014. *Task 10: Construction* – The contractor will begin installation of the first monitoring well in Summer 2014 and install the other four depending on the field findings of the first well. The contractor will begin installation of the first production well approximately in Fall 2014. Mobilization and preparation of the site will begin July 7, 2014. The project construction will also begin in July. Performance testing and demobilization will be completed by October 31, 2016. *Task 11: Environmental Compliance/Mitigation/Enhancement* – Environmental mitigation is not required for the Project. *Task 12: Construction Administration* – Construction management will be handled by LADWP for the duration of the Project construction (March 3, 2014 – November 30, 2016).



Task █ Milestone ◆ Summary ▶

Manhattan Wells Improvement Project (Project)

The schedule presented is reasonable based on the current (2014) available information, whereas the Project will be ready to begin construction/implementation prior to April 1, 2015. This Project consists of installing up to eight production wells and distribution infrastructure. The justification for each category of the schedule is provided below:

Direct Project Administration: Task 1: Project Administration – The MOU between LADWP and Water Replenishment District (WRD) regarding project administration has already been approved. The MOU between with the LACFCD for grant consultant work is almost completed. Schedule for grant application preparation was determined from schedule provided in consultant proposal. LADWP will be responsible for conducting progress meetings and the administration of the grant funding which will include providing copies of all invoices for the duration of the Project (January 15, 2014 – November 15, 2016). Task 2: Labor Compliance Program – The City of Los Angeles has approved and adopted a LCP in accordance with Labor Code Section 1771.5. The LCP will be implemented by the contractor for the duration of the Project (November 3, 2014 – October 31, 2016). Task 3: Reporting – Quarterly progress and final reports will be produced by LADWP as required for grant funding beginning when the grant is awarded through the completion of the project (October 16, 2014 – November 15, 2016).

Land Purchase/Easement: This Project does not require the purchasing of land or lease agreements.

Planning/Design/Engineering/Environmental Documentation: Task 5: Assessment and Evaluation – The Final Scope of Work Document for the Project is completed (December 27, 2013). Task 6: Final Design – Tentative Well Design Plans are completed. The Collector Line/Well Connection Plans are 90% complete and the Electrical/Electrical Control Plans are pending. The 100% Design Plans and specifications for each construction feature will be completed and reviewed prior to the beginning of construction at each site (April 14, 2014- June 30, 2014). Task 7: Environmental Documentation – A California Environmental Quality Act (CEQA) Notice of Exemption was completed on January 20, 2011 for this Project. Task 8: Permitting – All permits will be received prior to the start of construction. Two of the five permits are completed and the remaining permits are in progress and will be attained prior to the start of construction (June 1, 2010 – September 30, 2014).

Construction/Implementation: Task 9: Construction Contracting – The well drilling contract will be advertised for bid beginning July 1, 2014 and the contract will be awarded by the end of September 2014. Task 10: Construction – The contractor will submit pre-construction submittals by October 15, 2014 and mobilize and prepare the site beginning November 3, 2014. The project construction will begin by November 17, 2014. Performance testing and demobilization will be completed by October 31, 2016. Task 11: Environmental Compliance/Mitigation/Enhancement – Environmental mitigation is not required for the Project. Task 12: Construction Administration – Construction management will be handled by LADWP and WRD for the duration of the Project (July 1, 2014 – October 31, 2016).

Task Name	Start	Finish	2014				2015				2016						
			Quarter Nov/Dec	1st Quarter Jan/Feb/Mar	2nd Quarter Apr/May/June	3rd Quarter Jul/Aug/Sep	4th Quarter Oct/Nov/Dec	1st Quarter Jan/Feb/Mar	2nd Quarter Apr/May/June	3rd Quarter Jul/Aug/Sep	4th Quarter Oct/Nov/Dec	1st Quarter Jan/Feb/Mar	2nd Quarter Apr/May/June	3rd Quarter Jul/Aug/Sep	4th Quarter Oct/Nov/Dec	1st Jan	
Grant Award Date	Thu 10/16/14	Thu 10/16/14							◆ 10/16								
Row (a) Direct Project Administration	Wed 1/15/14	Tue 11/15/16	[Summary bar]														
Task 1: Project Administration	Wed 1/15/14	Tue 11/15/16	[Summary bar]														
MOU between LADWP and WRD	Wed 1/15/14	Fri 4/11/14	[Task bar]														
MOU between LADWP and LACFCD	Thu 5/15/14	Mon 6/30/14	[Task bar]														
Grant Application Preparation	Thu 5/1/14	Tue 9/30/14	[Task bar]														
Meeting Minutes	Tue 9/30/14	Mon 10/31/16	[Task bar]														
Invoices for Reimbursement	Thu 10/16/14	Tue 11/15/16	[Task bar]														
Task 2: Labor Compliance Program	Mon 11/3/14	Mon 10/31/16	[Summary bar]														
Implement Labor Compliance Program	Mon 11/3/14	Mon 10/31/16	[Task bar]														
Task 3: Reporting	Thu 10/16/14	Tue 11/15/16	[Summary bar]														
Quarterly Progress Reports	Thu 10/16/14	Tue 11/15/16	[Task bar]														
Final Report	Mon 11/14/16	Mon 11/14/16	[Task bar]														
Row (b) Land Purchase Easement	N/A	N/A															
Task 4: Land Purchase Easement (Not Required)	N/A	N/A															
Row (c) Planning/Design/Engineering/Environmental Documentation	Tue 6/1/10	Tue 9/30/14	[Summary bar]														
Task 5: Assessment and Evaluation	Mon 1/3/11	Fri 12/27/13	[Summary bar]														
Final Scope of Work	Mon 1/3/11	Fri 12/27/13	[Task bar]														
Task 6: Final Design	Mon 8/1/11	Mon 6/30/14	[Summary bar]														
10%, 30%, 60%, 90% Design Plans	Mon 8/1/11	Fri 4/11/14	[Task bar]														
Final (100%) Design Plans	Mon 4/14/14	Mon 6/30/14	[Task bar]														
Task 7: Environmental Documentation	Tue 6/1/10	Thu 1/20/11	[Summary bar]														
File Notice of Exemption	Tue 6/1/10	Thu 1/20/11	[Task bar]														
Task 8: Permitting	Tue 6/1/10	Tue 9/30/14	[Summary bar]														
LABOE Excavation Permit	Tue 6/1/10	Tue 9/30/14	[Task bar]														
LAPD Noise Variance	Tue 6/1/10	Tue 9/30/14	[Task bar]														
LA Sewer Discharge Permit	Tue 6/1/10	Fri 5/30/14	[Task bar]														
NPDES Permit	Tue 6/1/10	Fri 5/30/14	[Task bar]														
LA County Public Health Well Drilling Permit	Tue 6/1/10	Tue 9/30/14	[Task bar]														
Row (d) Construction / Implementation	Tue 7/1/14	Mon 10/31/16	[Summary bar]														
Task 9: Construction Contracting	Tue 7/1/14	Fri 9/26/14	[Summary bar]														
Advertise Bid	Tue 7/1/14	Thu 7/31/14	[Task bar]														
Evaluation of Bids	Fri 8/1/14	Fri 9/12/14	[Task bar]														
Award Contract	Mon 9/15/14	Fri 9/19/14	[Task bar]														
Notice to Proceed	Mon 9/22/14	Fri 9/26/14	[Task bar]														
Task 10: Construction	Mon 11/3/14	Mon 10/31/16	[Summary bar]														
Subtask 10.1 Mobilization	Mon 11/3/14	Fri 11/14/14	[Task bar]														
Subtask 10.2 Project Construction	Mon 11/17/14	Fri 9/30/16	[Task bar]														
Subtask 10.3 Performance Testing and Demobilization	Mon 10/3/16	Mon 10/31/16	[Task bar]														
Task 11: Environmental Compliance (Not Required)	N/A	N/A															
Task 12: Construction Administration	Tue 7/1/14	Mon 10/31/16	[Summary bar]														
Construction Management	Tue 7/1/14	Mon 10/31/16	[Task bar]														
Project Closeout Memo	Mon 10/3/16	Mon 10/31/16	[Task bar]														

Task [blue bar] Milestone ◆ Summary [black arrow]

TIWRP Advanced Water Purification Facility and Distribution System Expansion Project (Project)

The schedule presented is reasonable based on the current available information, and the Project will be ready to begin construction/implementation prior to April 1, 2015. This Project will expand the TIWRP AWPf and increase recycled water served in the LA Harbor area. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – The Department of Public Works, Bureau of Engineering (BOE) will oversee the Project administration contract for the TIWRP Expansion portion and LADWP will oversee the Project administration contract for the Distribution System Expansion. The Project Managers will be responsible for ensuring the steps necessary to complete this Project are underway and will generate invoices for the duration of the Project. The schedule for grant application preparation was determined from schedule provided in consultant proposal (January 1, 2014 – October 31, 2017). *Task 2: Labor Compliance Program* – The City of Los Angeles has approved and adopted a LCP in accordance with Labor Code Section 1771.5. The LCP will be implemented by the contractor for the duration of the Project (January 15, 2014 – October 2, 2017). *Task 3: Reporting* – Quarterly Progress and Final Reports will be produced by BOE and LADWP Project Managers for the project as required for grant funding, beginning when the grant is awarded (October 16, 2014 – October 31, 2017).

Land Purchase/Easement: The TIWRP expansion does not require any land acquisition or easements as the expansion takes place within existing TIWRP boundaries. The majority of the distribution system expansion does not require any land acquisition as pipelines will mainly be within public right of way. However, there are temporary easements, encroachment permits, and a permanent railroad easement that must be obtained for some portions of the pipeline that are currently underway. Procurement of easements will happen simultaneously with construction. Since easements are only needed at certain portions of the pipeline, construction of pipelines without easements can be prioritized (July 1, 2014 – September 15, 2016).

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – Several planning documents have already been completed (both the TIWRP and Distribution Expansion Predesign) and other investigations, testing and environmental evaluation are being developed and will be completed by September 29, 2014. *Task 6: Final Design* – The Distribution System Expansion Design is near completion and since the TIWRP Expansion Design Documents are part of a design-build contract, the 100% design will be completed during construction (August 9, 2013 – March 31, 2017). *Task 7: Environmental Documentation* – The TIWRP Expansion was able to receive a Categorical Exception under Class II, Category 6, which allows the construction of structures accessory to existing uses and the Distribution System Expansion is covered by a previously approved CEQA Environmental Impact Report (EIR) which are both complete (completed as of April 1, 2014). *Task 8: Permitting* – Procurement of permits will happen simultaneously with construction. Since permits are only needed for certain portions of the pipeline, construction of pipelines without permits can be prioritized (January 1, 2013 – December 30, 2016).

Construction/Implementation: *Task 9: Construction Contracting* – Prequalification of the design-build contractor for the TIWRP Expansion has already been completed. The Design Build Contract will be awarded by October 1, 2014. The Distribution System expansion will be constructed by a contractor obtained by BOE which will begin early 2015. *Task 10: Construction* – The contractor for the TIWRP AWPf Expansion contractor will mobilize, prepare the site and start construction in October 2014. The Distribution System Expansion will begin mobilization and start construction in July 2015. *Task 11: Environmental Compliance/Mitigation/Enhancement* – Environmental mitigation measures (from implementation into designs, plans, and drawings to execution during construction) are ongoing until the end of the Project (July 1, 2013 – July 4, 2017). *Task 12: Construction Administration* – The TIWRP Expansion Construction Management will be performed by the BOE-selected design-build contractor and BOE will oversee the TIWRP Expansion aspect of the Project. The Distribution System Expansion Construction Management will be performed by BOE selected contractors (October 1, 2014 – October 3, 2017).

Recycled Water Turnouts Project (Project)

The schedule presented is considered reasonable based on the current available information. This Project will be ready to proceed prior to October 16, 2014. All necessary permits and construction easements are currently in progress, and assessment and environmental documents have been completed. The Project consists of two turn-out structures that will be constructed on an existing recycled water pipeline. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – The WRD’s project manager will be responsible for ensuring the steps necessary to complete this Project are underway and will generate progress reports for the duration of the Project. The schedule for grant application preparation was determined from the schedule provided in the consultant proposal. Project Administration begins with the grant application preparation on May 1, 2014 and ends when construction is completed (December 15, 2015). *Task 2: Labor Compliance Program* – WRD will implement a LCP for the duration of construction (February 27, 2015 – December 15, 2015). *Task 3: Reporting* – Quarterly Progress Reports will be produced by the WRD project manager for the Project as required for grant funding beginning the first quarter the grant is awarded (October 16, 2014). The Final Report will be submitted at construction completion (December 15, 2015).

Land Purchase/Easement: Easement acquisition is required to perform the planned work at the two well sites. Construction easements are in the process of being acquired, and will be received prior to the start of construction from agencies having ministerial approval authority (September 2, 2013 - August 1, 2014).

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – The Groundwater Reliability Improvement Program (GRIP) Alternative Analysis Report (completed January 20, 2011), GRIP Alternative Analysis Update Report (completed October 15, 2012) and Preliminary Engineering Report GRIP Recycled Water Project Final (completed February 25, 2013) have been finalized and provide analyses on the additional water sources needed for groundwater replenishment in lieu of imported water. *Task 6: Final Design* – Design plans and specifications were completed separately for the two turn-out structures that will be constructed on the existing recycled water pipeline. The start and end dates are provided as a range in the schedule. The 10% and 60% Design Plans have been completed for both turn-out structures. The 90% Design Plans (expected August 1, 2014) and Final 100% Design Plans (expected August 29, 2014) will be completed and reviewed prior to the beginning of construction for both of the turn-out structures. *Task 7: Environmental Documentation* – This Project requires a Mitigated Negative Declaration (MND) under CEQA. This MND was finalized and adopted on May 1, 2013. *Task 8: Permitting* – All permits will be received prior to the start of construction. Two of the permits, the California Department of Fish and Game Permit 1602 (received November 1, 2013) and the Regional Water Quality Control Board Permit 401 (received January 2, 2014), have been issued to the WRD. Two additional permits, the Army Corps of Engineers Permit 408/404 and the Los Angeles County Department of Public Works Flood Permit, are currently in progress and will be received by August 1, 2014.

Construction/Implementation: *Task 9: Construction Contracting* – The preparation for the first construction bid will begin by December 1, 2014, with the first contract being award by February 9, 2015 and the Notice to Proceed issued by February 17, 2015. *Task 10: Construction* – The contractor will mobilize and prepare the site starting February 27, 2015, and the project construction will begin by March 23, 2015. *Task 11: Environmental Compliance/Mitigation/Enhancement* – During the time of construction, mitigation measures and best management practices will be implemented according to the Mitigation Monitoring Plan Compliance Report. *Task 12: Construction Administration* – Prior to the beginning of construction (February 9, 2015), a construction management and field inspection company will be hired to assist with construction management activities. These activities will be complete after the last site is demobilized (December 15, 2015).

Goldsworthy Desalter (Desalter) Expansion Project (Project)

The schedule presented is reasonable based on the current available information and assuming a grant award date of October 16, 2014. The Project will be ready to begin construction/implementation prior to April 1, 2015. This Project will expand the existing Desalter and install an additional two wells for groundwater extraction. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – The City and the WRD have prepared a MOU to establish the operation and purchase of water from the Desalter. The City and WRD are also preparing a MOU to establish roles for reporting progress and submitting invoices for reimbursement. These two MOUs will be completed by February 27, 2015. WRD and the City are partners on this Project for both the design and construction, with staff assigned by both agencies to coordinate work on the City properties. The schedule for grant application preparation was determined from the schedule provided in the consultant proposal. WRD will take the lead for construction management and the City will take the lead for administration of the grant and prepare the invoices for reimbursement (October 16, 2014 – June 8, 2016). *Task 2: Labor Compliance Program* – The WRD has already approved, adopted, and authorized implementation of a LCP in accordance with Labor Code Section 1771.5. The LCP will be implemented by the contractor for the duration of the Project (January 5, 2015 – June 8, 2016). *Task 3: Reporting* – Quarterly Progress Reports will be produced as required for grant funding beginning when the grant is awarded through the completion of the Project (October 16, 2014 – June 8, 2016). The Final Report will be submitted when the Project is complete (June 8, 2016).

Land Purchase/Easement: The land is owned by the City of Torrance; therefore, this Project does not require the purchasing of land.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – The *Feasibility Study for the Expansion of Robert W. Goldsworthy Desalter* was completed on October 1, 2012. *Task 6: Final Design* – The 90% Design Plans were completed on May 12, 2014. The 100% Design Plans and specifications will be completed and reviewed prior to the beginning of construction (expected September 19, 2014). *Task 7: Environmental Documentation* – An Initial Study and Mitigated Negative Declaration was completed on August 2, 2013 for this Project. *Task 8: Permitting* – The Regional Water Quality Control Board National Pollutant Discharge Elimination System Permit was obtained on June 1, 2014. The Cal/OSHA and City of Torrance Encroachment Permits will be obtained when the contractor is on the project site during construction. The Cal/OSHA Construction Permit and City of Torrance Encroachment Permit will be obtained once the contractor has mobilized to the site (February 27, 2015). The Drinking Water Program Well Permit will be obtained prior to the start of construction (December 1, 2014).

Construction/Implementation: *Task 9: Construction Contracting* – The Project will be advertised, evaluated, and awarded starting October 1, 2014 and ending December 30, 2014. *Task 10: Construction* – The contractor will mobilize and prepare the site starting January 5, 2015, and the project construction will begin by January 21, 2015. Construction is expected to be complete by June 8, 2016. *Task 11: Environmental Compliance/Mitigation/Enhancement* – A Mitigation Monitoring Compliance Report will be implemented during construction to document mitigation measures during construction starting on January 5, 2015. *Task 12: Construction Administration* – WRD will oversee the construction administration of the Project through a construction contractor between January 5, 2015 and June 8, 2016.

Task Name	Start	Finish	2014												2015												2016																																															
			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter																																									
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov																																								
Grant Award Date	Thu 10/16/14	Thu 10/16/14																																																																								
Row (a) Direct Project Administration	Thu 5/1/14	Wed 6/8/16	▶																																																																							
Task 1: Project Administration	Thu 5/1/14	Wed 6/8/16	▶																																																																							
Grant Application Preparation	Thu 5/1/14	Tue 9/30/14	▬																																																																							
MOU between City of Torrance and WRD for operation and purchase of water	Mon 6/2/14	Fri 2/27/15	▬																																																																							
MOU between City of Torrance and WRD to establish roles for reporting progress	Mon 6/2/14	Fri 2/27/15	▬																																																																							
Invoices for Reimbursement	Thu 10/16/14	Wed 6/8/16	▬																																																																							
Task 2: Labor Compliance Program	Mon 1/5/15	Wed 6/8/16	▶																																																																							
Implement Labor Compliance Program	Mon 1/5/15	Wed 6/8/16	▬																																																																							
Task 3: Reporting	Thu 10/16/14	Wed 6/8/16	▶																																																																							
Quarterly Progress Reports	Thu 10/16/14	Wed 6/8/16	▬																																																																							
Final Report	Wed 6/8/16	Wed 6/8/16																																					◆																																			
Row (b) Land Purchase Easement	Tue 9/30/08	Tue 9/30/08																																																																								
Task 4: Land Purchase Easement (Not Required)	N/A	N/A																																																																								
Row (c) Planning/Design/Engineering/Environmental Documentation	Wed 2/1/12	Wed 6/1/16	▶																																																																							
Task 5: Assessment and Evaluation (Completed)	Wed 2/1/12	Mon 10/1/12	▬																																																																							
Feasibility Study	Wed 2/1/12	Mon 10/1/12	▬																																																																							
Task 6: Final Design	Thu 8/1/13	Fri 9/19/14	▶																																																																							
90% Design	Thu 8/1/13	Mon 5/12/14	▬																																																																							
Final (100%) Design Plans	Thu 7/3/14	Fri 9/19/14	▬																																																																							
Task 7: Environmental Documentation	Wed 1/2/13	Fri 8/2/13	▶																																																																							
Initial Study and Mitigated Negative Declaration	Wed 1/2/13	Fri 8/2/13	▬																																																																							
Task 8: Permitting	Sun 12/1/13	Wed 6/1/16	▶																																																																							
RWQCB NPDES Permit	Sun 12/1/13	Sun 6/1/14	▬																																																																							
Cal/OSHA Construction Permit	Tue 7/1/14	Fri 2/27/15	▬																																																																							
LACDPH Drinking Water Program Well Permit	Tue 7/1/14	Mon 12/1/14	▬																																																																							
LACSD Sewer Discharge Permit	Tue 7/1/14	Wed 6/1/16	▬																																																																							
City of Torrance Encroachment Permit	Tue 7/1/14	Fri 2/27/15	▬																																																																							
Row (d) Construction / Implementation	Wed 10/1/14	Wed 6/8/16	▶																																																																							
Task 9: Construction Contracting	Wed 10/1/14	Tue 12/30/14	▶																																																																							
Advertisement, Pre-bid Meeting, Evaluation, Award, Notice to Proceed	Wed 10/1/14	Tue 12/30/14	▬																																																																							
Task 10: Construction	Mon 1/5/15	Wed 6/8/16	▶																																																																							
Subtask 10.1: Mobilization and Site Preparation	Mon 1/5/15	Tue 1/20/15	▬																																																																							
Subtask 10.2: Project Construction	Wed 1/21/15	Mon 3/14/16	▬																																																																							
Subtask 10.3: Performance Testing and Demobilization	Tue 3/15/16	Wed 6/8/16	▬																																																																							
Task 11: Environmental Compliance	Mon 1/5/15	Wed 6/8/16	▶																																																																							
Mitigation Monitoring Compliance Report	Mon 1/5/15	Wed 6/8/16	▬																																																																							
Task 12: Construction Administration	Mon 1/5/15	Wed 6/8/16	▶																																																																							
Construction Contractor Agreement	Mon 1/5/15	Wed 6/8/16	▬																																																																							

Task Milestone Summary

Be a Water Saver Conservation Program Project (Project)

The schedule presented is reasonable based on the current available information and assuming a grant award date of October 16, 2014. The assessment document has been completed and the Project will be ready to begin implementation prior to April 1, 2015. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – BWP will implement and update agreements with consultants and the MWD to offer the various conservation rebate programs. All of the administrative tasks associated with accepting and processing the rebates will be handled by MWD and BWP will be responsible for the distribution of rebate funds. The Project Administration will begin on May 1, 2014. The schedule for grant application preparation was determined from the schedule provided in the consultant proposal. *Task 2: Labor Compliance Program* – The LCP is not applicable to this Project. *Task 3: Reporting* – Quarterly Progress Reports will be produced for the Project as required for grant funding beginning when the grant is awarded through the completion of the Project (October 16, 2014 – September 30, 2016). The Final Report will be submitted when the Project is complete (September 30, 2016).

Land Purchase/Easement: No land purchase or easement is required for the Project.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – A Technical Memorandum was finalized for this Project on July 15, 2014 to assess the varying water conservation programs that have been and will be utilized. The City of Burbank has implemented similar successful conservation programs in the past to protect and extend its water resources, as outlined in the Technical Memorandum and the 2010 BWP Urban Water Management Plan. *Task 6: Final Design* – Final design and specifications were not required for this Project. *Task 7: Environmental Documentation* – Environmental documentation or mitigation measures were not required for this Project. *Task 8: Permitting* – This Project does not require permits.

Construction/Implementation: *Task 9: Construction Contracting* – A proposal will be solicited and awarded by November 11, 2014 for the Home Water Reports and Customer Web Portal Program and the consultant agreement will be required for the duration of the program. A contract agreement is required for informational landscape classes and website development for the educational program. These agreements were executed on June 5, 2014 and will last for the duration of the programs. *Task 10: Construction* – Mobilization and site preparation is not needed for this Project. The Project Implementation will begin on July 1, 2014 and will be finalized on September 30, 2016 after the funding has been fully utilized. The Green Home House Call, Go Native! Turf Removal, and High-efficiency (HE) Toilet Rebate Programs are currently being provided by the BWP; however, additional rebates will be provided for turf removal and HE toilets starting on July 1, 2014. The Rain Water Harvesting Program will also begin on July 1, 2014. The Home Water Reports and Customer Web Portal Program will begin on October 16, 2014. The performance and project monitoring for this Project will be executed by the BWP and MWD. Each rebate program has an established participation requirement and participants will be required to meet the conditions of the respective rebates. Project monitoring will be completed after Project Implementation (starting October 3, 2016).

Task 11: Environmental Compliance/Mitigation/Enhancement. No environmental mitigation is required for the Project.

Task 12: Construction Administration – BWP will oversee implementation of this Project and manage all of the conservation programs (ending September 30, 2016).

On-Site Recycled Water Retrofits Project (Project)

The schedule presented is reasonable based on the current available information and the Project will be ready to begin construction/implementation prior to April 1, 2015, assuming a grant award date of October 16, 2014. This Project consists of eight Project sites where laterals and recycled water retrofits will occur. The overall Project schedule reflects the combined schedules of all eight sites with the start date of several tasks reflecting the start date at the first site and the end date of the task reflecting the completion of the task at the last Project site. Because the sites are staggered, the ability to show predecessors, dependencies, and milestones in the Gantt Chart is limited. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – The West Basin Municipal Water District (WBMWD) Project Manager will be responsible for ensuring the steps necessary to complete this Project are underway. The schedule for grant application preparation was determined from the schedule provided in the consultant proposal. Project Administration begins with the first preliminary assessment (January 17, 2014) and ends approximately one month after the last site is demobilized (June 30, 2014). *Task 2: Labor Compliance Program* – WBMWD will develop a LCP prior to the beginning of construction contracting (January 27, 2015). The program will be implemented through the duration of construction (until June 30, 2016). *Task 3: Reporting* – Quarterly Progress Reports will be produced by the WBMWD Project Manager for the Project as required for grant funding beginning when the grant is awarded (October 16, 2014). The Final Report will be submitted after construction completion (June 30, 2016).

Land Purchase/Easement: Easement acquisition is required to perform the planned work at the Manhattan Village HOA Project site. The easement will be acquired prior to the start of construction at that site (April 2, 2015 – August 27, 2015).

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – Site Investigations and Assessments at the eight Project sites will be staggered so predecessors are not shown on the Gantt chart. The first preliminary assessment began January 17, 2014 for the Manhattan Village HOA site. The last assessment will be complete prior to the beginning of the 60% Design for that site. *Task 6: Final Design* – 60%, 90%, and 100% Design Plans will be completed and reviewed prior to the beginning of construction at each site. Because the eight retrofit sites are at different stages of planning and design, the initiation and completion of these plans will be staggered from November 10, 2014 to September 25, 2015. *Task 7: Environmental Documentation* – A Programmatic EIR was completed in 2003 for the laterals that will connect the retrofit sites to the main line. Two Supplemental Environmental Assessments (EAs)/Subsequent Mitigated Negative Declarations were completed in September 2007 and September 2009 for other recycled water laterals that are a part of the Project. No other environmental documentation is required because construction will occur on private property. *Task 8: Permitting* – All permits will be received prior to the start of construction at that site. The permits will be obtained when designs are close to 90% complete for each site (December 15, 2014 – September 18, 2015).

Construction/Implementation: *Task 9: Construction Contracting* – The preparation for the first construction bid will begin by February 9, 2015, with the first contract being awarded by March 23, 2015, and Notice to Proceed issued by April 1, 2015. *Task 10: Construction* – The contractor will mobilize and prepare the first site (Virco) starting April 1, 2015, and the Project construction will begin by May 4, 2015. *Task 11: Environmental Compliance/Mitigation/Enhancement*. Construction Best Management Practices, EA recommendations, and NPDES permit requirements for the disposal of the pressure test water will be conducted throughout the construction at each site. Submittals for these activities are a part of the Mobilization and Site Preparation requirements. *Task 12: Construction Administration* – Prior to the beginning of construction (February 9, 2015) a construction management company will be hired to assist with construction management activities and a construction outreach firm will be hired to operate the construction hotline accordingly to the sites' needs. These activities will be complete after the last site is demobilized (June 30, 2016).

Task Name	Start	Finish	2014												2015												2016												
			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter						
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
Grant Award Date	Thu 10/16/14	Thu 10/16/14																																					◆ 10/16
Category (a) Direct Project Administration	Fri 1/17/14	Thu 6/30/16	[Summary bar]																																				
Task 1: Project Administration	Fri 1/17/14	Thu 6/30/16	[Summary bar]																																				
Project Administration	Fri 1/17/14	Thu 6/30/16	[Task bar]																																				
Preparation of Grant Application	Thu 5/1/14	Tue 9/30/14	[Task bar]																																				
Preparation of Invoices and Backup Documentation	Thu 10/16/14	Thu 6/30/16	[Task bar]																																				
Task 2: Labor Compliance Program	Tue 1/27/15	Mon 5/30/16	[Summary bar]																																				
Labor Compliance Program Management	Tue 1/27/15	Mon 5/30/16	[Task bar]																																				
Task 3: Reporting	Thu 10/16/14	Thu 6/30/16	[Summary bar]																																				
Quarterly Reports	Thu 10/16/14	Thu 6/30/16	[Task bar]																																				
Final Report	Tue 5/31/16	Thu 6/30/16	[Task bar]																																				
Category (b) Land Purchase/Easement	Thu 4/2/15	Thu 8/27/15	[Summary bar]																																				
Task 4: Land Acquisition	Thu 4/2/15	Thu 8/27/15	[Summary bar]																																				
Purchase Easement	Thu 4/2/15	Thu 8/27/15	[Task bar]																																				
Category (c) Planning/Design/Engineering/Environmental Documentation	Mon 9/1/03	Fri 9/25/15	[Summary bar]																																				
Task 5: Assessment and Evaluation	Mon 6/1/09	Fri 5/29/15	[Summary bar]																																				
Capital Improvement Master Plan	Mon 6/1/09	Mon 6/1/09	[Task bar]																																				
Site Investigation and Assessment	Fri 1/17/14	Fri 5/29/15	[Task bar]																																				
Task 6: Final Design	Mon 11/10/14	Fri 9/25/15	[Summary bar]																																				
60% Submittal	Mon 11/10/14	Tue 6/30/15	[Task bar]																																				
90% Submittal	Mon 12/8/14	Mon 7/20/15	[Task bar]																																				
100% Submittal	Mon 1/12/15	Fri 9/25/15	[Task bar]																																				
Task 7: Environmental Documentation	Mon 9/1/03	Tue 9/1/09	[Summary bar]																																				
Harbor-South Bay Water Recycling Project Environmental Assesemnt (EA)	Mon 9/1/03	Mon 9/1/03	[Task bar]																																				

Task [blue bar] Milestone ◆ Summary [black bar]

Task Name	Start	Finish	2014												2015												2016					
			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter		2nd Quarter		3rd Qu	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Supplemental EA (2007)	Mon 9/3/07	Mon 9/3/07																														
Supplemental EA (2009)	Tue 9/1/09	Tue 9/1/09																														
Task 8: Permitting	Mon 12/15/14	Fri 9/18/15																														
LA County DPH	Mon 12/15/14	Fri 9/18/15																														
Encroachment Permits	Mon 12/15/14	Fri 9/18/15																														
NPDES Permit	Mon 12/15/14	Fri 9/18/15																														
Category (d) Construction/Implementation	Mon 2/9/15	Thu 6/30/16																														
Task 9: Construction Contracting	Mon 2/9/15	Mon 1/25/16																														
Bid Preparation	Mon 2/9/15	Fri 10/30/15																														
Bid Advertisement	Tue 2/10/15	Mon 11/30/15																														
Board Award	Mon 3/23/15	Mon 12/21/15																														
Contracts and NTP	Wed 4/1/15	Mon 1/25/16																														
Task 10: Construction	Wed 4/1/15	Mon 5/30/16																														
Subtask 10.1: Mobilization and Site Preparation	Wed 4/1/15	Mon 2/22/16																														
Subtask 10.2: Project Construction	Mon 5/4/15	Mon 5/23/16																														
Subtask 10.3: Performance Testing and Demobilization	Mon 7/20/15	Mon 5/30/16																														
Task 11: Environmental Compliance / Mitigation / Enhancement	Wed 4/1/15	Mon 5/30/16																														
Construction Best Management Practices	Wed 4/1/15	Mon 5/30/16																														
NPDES requirement implementation for disposal of pressure test water	Wed 4/1/15	Mon 5/30/16																														
Task 12: Construction Administration	Mon 2/9/15	Thu 6/30/16																														
Construction Management	Mon 2/9/15	Thu 6/30/16																														
Construction Outreach	Mon 2/9/15	Thu 6/30/16																														
Design Engineering During Construction	Mon 2/9/15	Thu 6/30/16																														

Task Milestone Summary

Upper San Gabriel Valley Municipal Water District (USGVMWD) Recycled Water Program Expansion Project (Project)

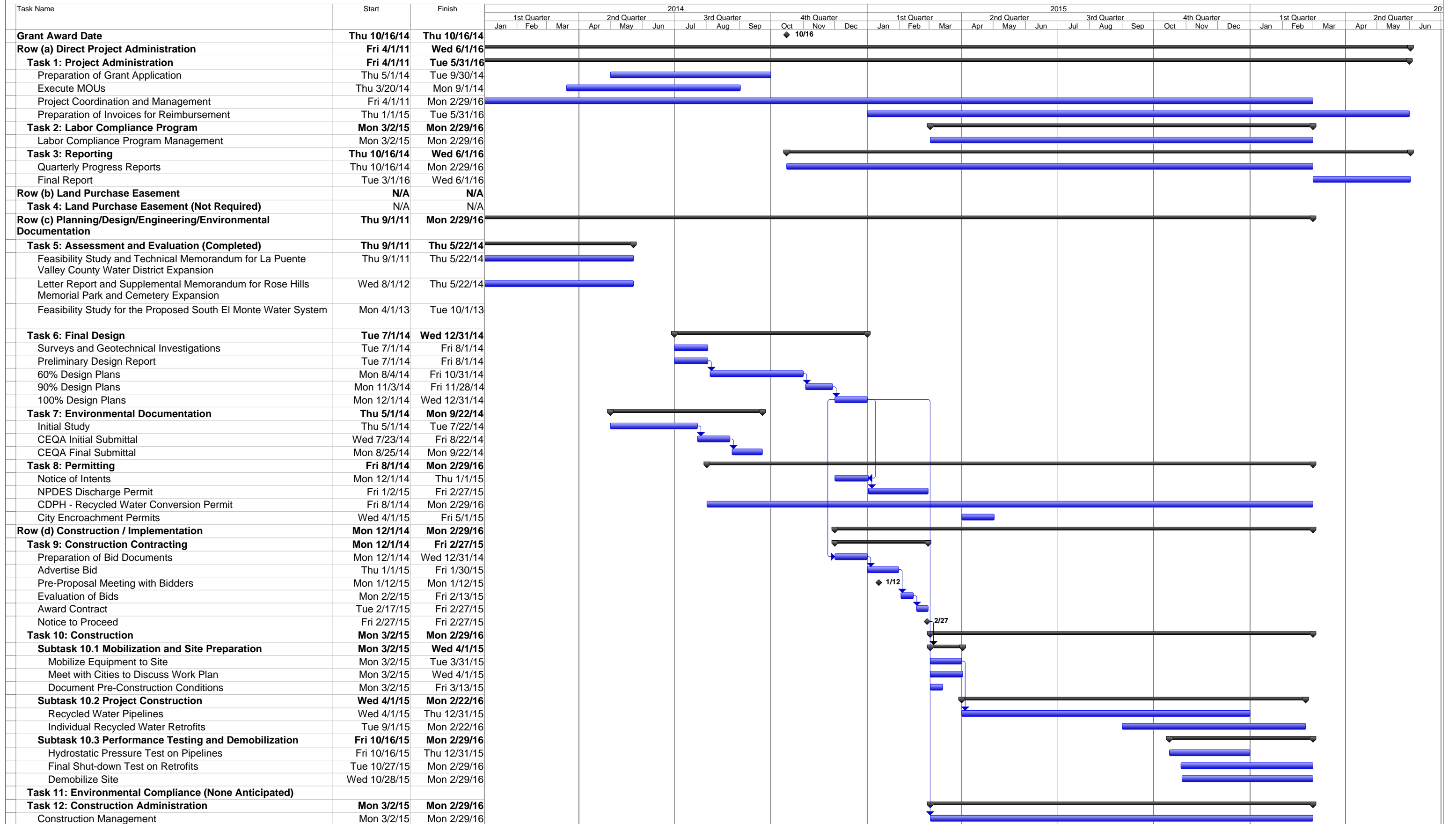
The schedule presented is reasonable based on the current available information and the Project will be ready to begin construction/implementation prior to April 1, 2015, assuming a grant award date of October 16, 2014. This Project consists of three recycled water system expansion areas within USGVMWD's service area. Construction of recycled water distribution facilities and on-site recycled water retrofits will be implemented in parallel but with differing start and completion dates for each expansion area. The overall Project schedule reflects the combined schedules of the three expansion areas with one start and one finish date for each Task. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – USGVMWD will be responsible for administering the Project throughout the entire schedule. The schedule for grant application preparation was determined from the schedule provided in the consultant proposal. Administration will end with the submission of the Project Completion Report approximately three months after construction is complete (May 31, 2016). *Task 2: Labor Compliance Program* – USGVMWD will hire a consultant to prepare the Labor Compliance Program which will be managed throughout the duration of construction (March 2, 2015 – February 29, 2016). *Task 3: Reporting* – USGVMWD will compile the necessary water usage data and submit the Quarterly Progress Reports as required for grant funding beginning October 16, 2014 when the grant is awarded through the completion of construction (February 29, 2016). The Final Report will be submitted approximately three months after all the Project sites have been demobilized.

Land Purchase/Easement: No Land purchase or Easement is required for the Project.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – The feasibility studies and subsequent memoranda for the three expansion areas of the Project were completed between 2011 and 2014. *Task 6: Final Design* – The Preliminary Design Report will begin July 2014 and the 60%, 90%, and 100% Design Plans will be completed and reviewed by the end of December 2014 and prior to the beginning of construction at the Project sites. *Task 7: Environmental Documentation* – An Initial Study will be completed in July 2014 and an Initial CEQA Submittal will be produced in August 2014. The Final CEQA submittal is expected in September 2014. *Task 8: Permitting* – Notices of Intent will be submitted upon completion of the 100% Design Plans. The City Encroachment Permits will be obtained following Notice to Proceed (NTP). The Regional Water Quality Control Board NPDES Discharge Permit will be obtained after the submission of the Notice of Intents. The Recycled Water Conversion Permit will be obtained before construction is completed and water comes on line at each Project site, with the last being February 29, 2016.

Construction/Implementation: *Task 9: Construction Contracting* – Preparation of bid documents will coincide with the 100% Design preparation with all three Project sites receiving NTP by February 27, 2015. *Task 10: Construction* – The contractor will mobilize and prepare the site after NTP is issued beginning March 2, 2015, and Project construction will begin by April 1, 2015 starting with the recycled water pipelines and then the recycled water retrofits. Performance testing will occur at the end of the construction process and demobilization will be complete in October 2015 for the Rose Hills site, and it will be complete on February 29, 2016 for the South El Monte and La Puente Valley County Water District sites. *Task 11: Environmental Compliance/Mitigation/Enhancement* – No environmental mitigation is anticipated for the Project. *Task 12: Construction Administration* – Typical construction management activities will occur following the completion of construction contracting until the demobilization of the last Project site (February 29, 2016).



West Coast Basin Barrier Unit 12 Injection and Observation Wells Project (Project)

The schedule presented is reasonable based on the current available information and assuming a grant award date of October 16, 2014. All planning and design has been completed and the Project will be ready to begin construction/implementation prior to April 1, 2015. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – LACFCD will be responsible for ensuring the steps necessary to complete this Project are underway and will generate invoices for the duration of the Project. The schedule for grant application preparation was determined from the schedule provided in the consultant proposal. Project Administration will begin when the grant is awarded (October 16, 2014) and end approximately six months after construction is complete (April 1, 2016) to wrap up any remaining activities and paperwork. *Task 2: Labor Compliance Program* – LACFCD has an approved LCP (LCP ID: 2011.01022). The implementation and management of LACFCD's Labor Compliance Program will begin when construction begins (March 25, 2015) and end after demobilization (October 15, 2015). *Task 3: Reporting* – Quarterly Progress Reports will be produced by the LACFCD staff for the Project as required for grant funding beginning when the grant is awarded through the completion of the Project (October 16, 2014 – April 1, 2016). The Final Report will be submitted when the Project is complete, approximately six months after the site has been demobilized (April 1, 2016).

Land Purchase/Easement: No Land purchase or Easement is required for the Project.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – A Project Design Concept Report was completed October 20, 2010. *Task 6: Final Design* – The 60%, 90%, and 100% Design Plans, Specifications, and Estimate were completed in 2012. *Task 7: Environmental Documentation* – The Project is categorically exempt from CEQA. A Categorical Exemption will be adopted when the Project is advertised (November 21, 2014). *Task 8: Permitting* – An Engineering Permit is required from the City of Redondo Beach to install the wells. A meeting with the City of Redondo Beach permits group occurred June 5, 2014 to discuss the permit. The permit should be obtained July 22, 2014.

Construction/Implementation: *Task 9: Construction Contracting* – The Project will be advertised for bid beginning November 21, 2014 with the contract awarded by the end of February 2015. Contractor agreements will be executed within a month and the first Notice to Proceed (NTP) will be issued for mobilization March 25, 2015. The second NTP will be issued for construction May 15, 2015. *Task 10: Construction* – The contractor will mobilize and prepare the site after NTP 1 starting March 25, 2015, and the Project construction will begin by May 15, 2015 after NTP 2 is issued. Construction activities will take approximately 4 months with an additional month to demobilize the site. The injection wells will be functional when construction is completed on October 15, 2015. *Task 11: Environmental Compliance/Mitigation/Enhancement*. No environmental mitigation is required for the Project because it is Categorically Exempt. Typical construction Best Management Practices will be implemented and are included in the Construction Task. *Task 12: Construction Administration* – Field staff will oversee construction from mobilization to the completion of construction activities (March 25, 2015 – October 15, 2015). LACFCD office staff will manage other construction related administrative duties from when the Project is advertised to approximately six months following the completion of construction activities to resolve any final change orders, assess any liquidated damages, and release retention funds (November 21, 2014 – April 1, 2016).

Rockhaven Well Project (Project)

The schedule presented is reasonable based on the current available information. The Project construction/implementation will be ready to proceed prior to April 1, 2015, with all necessary permits currently completed. In fact, the Project will be completed by October 12, 2015. The justification for each category of the schedule is provided below:

Direct Project Administration: Task 1: Project Administration – The Crescenta Valley Water District’s (CVWD) project manager will be responsible for ensuring the steps necessary to complete this Project are underway and will administer invoicing and agreements for the Project (May 1, 2014 – October 12, 2015). The schedule for grant application preparation was determined from a schedule provided in the consultant proposal (May 1, 2014 – September 30, 2014). Task 2: Labor Compliance Program – CVWD will incorporate prevailing wage requirements into the bid documents. The contractor will be responsible for Labor Compliance in accordance with Labor Code Section 1771.5 for the duration of construction (March 23, 2015 – October 12, 2015). Task 3: Reporting – Quarterly Progress and Final Reports will be produced by the project manager for the Project as required for grant funding for the term of the Project (October 16, 2014 - October 12, 2015).

Land Purchase/Easement: A land lease agreement between CVWD and Glendale Water and Power (GWP) is currently being developed. Since terms have already been discussed and there are no issues identified between the parties, it is expected to be finalized by October 16, 2014.

Planning/Design/Engineering/Environmental Documentation: Task 5: Assessment and Evaluation – The following planning documents have been completed: *Rockhaven Number 1 Pilot Hole and Well Memorandum; May 28, 2009 – Rockhaven Exploratory Bid Package, Specifications No. 3426; August 9, 2010 – Rockhaven Exploratory Well No. 1 Letter Report; June 24, 2011.* Task 6: Final Design – Preliminary Design of well site improvements will be prepared from August 1, 2014 – October 1, 2014. Final Design of the 8” water main will be prepared from July 7, 2014 – December 1, 2014. Final Design of the well site improvements and incorporation of 8” water main design will take place from October 6, 2014 - February 2, 2015. Task 7: Environmental Documentation – CVWD completed and filed a Negative Declaration with the Los Angeles County Clerk on June 17, 2014. Task 8: Permitting – CVWD anticipates submitting and receiving approval for all necessary permits prior to February 1, 2015 with the anticipation of including any permit requirements in the final contract documents for bidding purposes.

Construction/Implementation: Task 9: Construction Contracting – The construction bid will be advertised directly after completion of bid packages and allows six weeks for pre-bid meetings and bid evaluations with contract being awarded by March 19, 2015. Task 10: Construction – CVWD will begin ordering and purchasing Project materials for the pipeline portion of the Project after the preliminary design and pipeline alignment are completed. The contractor will mobilize and prepare the site starting March 23, 2015 and it is anticipated that Project construction will begin three months later by April 6, 2015 and be completed in about six months (by October 12, 2015). Task 11: Environmental Compliance/Mitigation/Enhancement – There are no environmental compliance and mitigation requirements associated with the Project. Task 12: Construction Administration – Construction management services will be performed by CVWD during construction with testing and inspection to be performed by subcontractors during construction (March 20, 2015 – October 12, 2015).

Water Budget Based Rates Implementation Project (Project)

The schedule presented for the Project is reasonable based on the current available information. Las Virgenes Municipal Water District (LVMWD) will be ready to begin Project implementation prior to April 1, 2015. The justification for each category of the schedule is provided below:

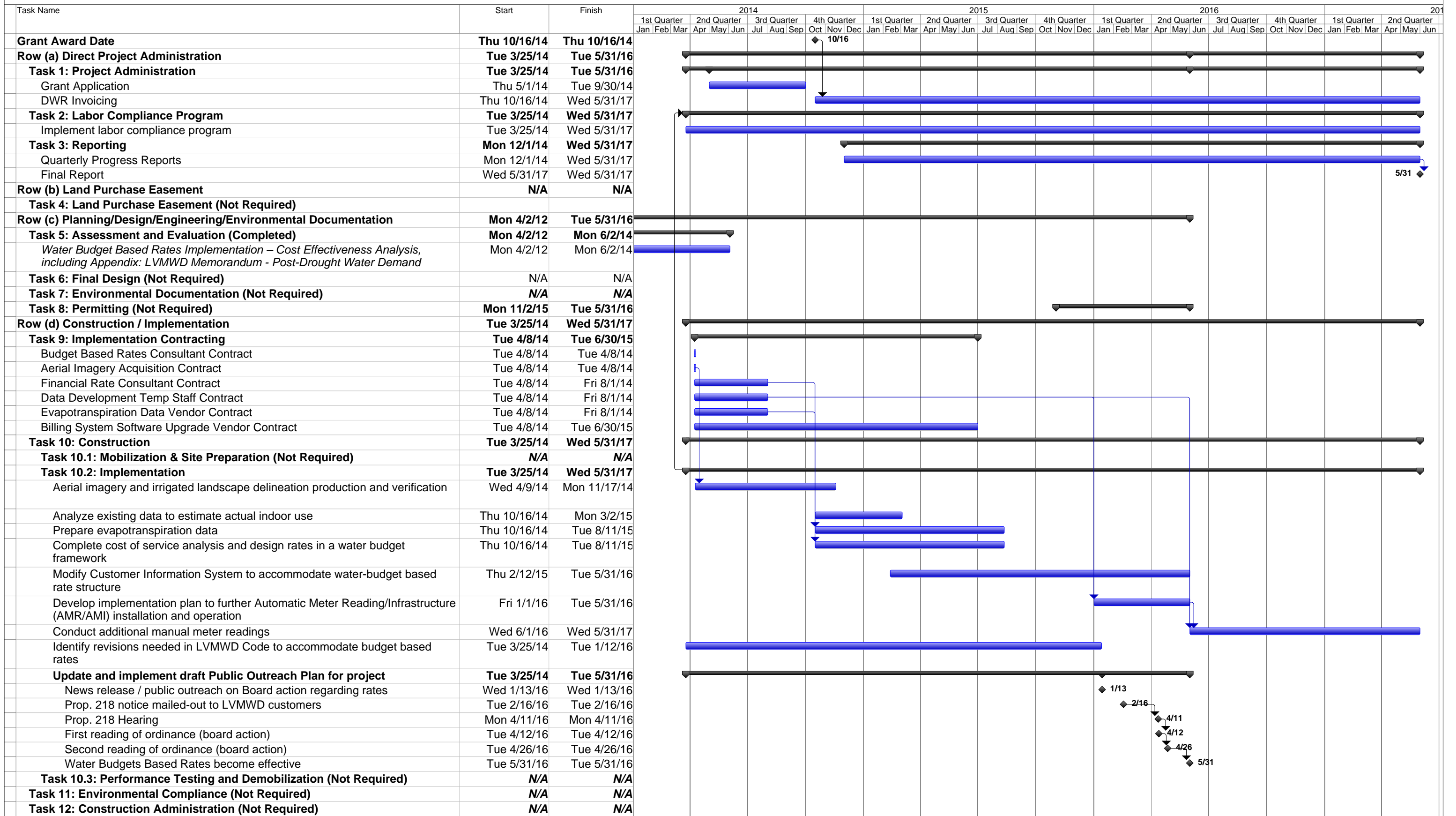
Direct Project Administration: Task 1: Project Administration – LVMWD’s project manager will be responsible for administration of the grant application and reimbursement invoicing to DWR for the duration of the Project (March 25, 2014 – May 31, 2017). The schedule for grant application preparation was determined from a schedule provided in the consultant proposal (May 1, 2014 – September 30, 2014). Task 2: Labor Compliance Program – LVMWD requires all contractors to provide certified payroll meeting prevailing wage requirements for the duration of the Project (March 25, 2014 – May 31, 2017). Task 3: Reporting – Quarterly Progress and Final Reports will be produced by the project manager for the Project as required for grant funding (December 1, 2014 – May 31, 2017).

Land Purchase/Easement: There are no activities associated with this task.

Planning/Design/Engineering/Environmental Documentation: Task 5: Assessment and Evaluation – LVMWD prepared a *Water Budget Based Rates Implementation – Cost Effectiveness Analysis* white paper in June 2014 and is based upon its appended *LVMWD Memorandum - Post-Drought Water Demand* completed in April 2012 regarding demand response to previous drought measures. Task 6: Final Design – Final design and specifications were not required for this Project. Task 7: Environmental Documentation – Environmental documentation or mitigation measures were not required for this Project. Task 8: Permitting – This Project does not require permits.

Construction/Implementation: Task 9: Implementation Contracting – LVMWD began developing the scope of work and request for proposals for all necessary contracts on April 8, 2014 and has established contracts with the following consultants required for implementation: Budget Based Rates Consultant, and Aerial Imagery Contractor. The following contracts will be completed prior to the activities scheduled for implementation: financial rate consultant, data development temporary staff, contracted meter reading and evapotranspiration data vendor (August 1, 2014) as well as a billing system software upgrade vendor (June 30, 2015). Task 10: Implementation – LVMWD will complete aerial imagery and irrigated landscape delineation production by November 2014 in order to begin the design of the water budget framework. The financial rate consultant will conduct a cost of service analysis and will design water, recycled water and sanitation rates in a water budget framework from October 2014 through August 2015. LVMWD will complete the indoor use analysis (by March 2015), evapotranspiration data setup (by August 2015) to support the water budget framework process to be completed by August, 2015. The billing system upgrade will be conducted from February 2015 – May 2016 and requires completion of the tasks mentioned above. LVMWD will develop and implement a public outreach plan that will span the period of March 2014 through May 2017.

Development of an Automatic Meter Reading/Infrastructure (AMR/AMI) installation and operations plan will be completed by June, 2016. Implementation, not a part of this project, will be ongoing until completed. Additional manual meter readings will be required in advance of automatic meter readings being sufficiently available (from June 2016 through May 2017). LVMWD code revisions needed to support the Project will be completed by January, 2016. The public outreach plan will be implemented from March 25, 2014 – May 31, 2016. Task 11: Environmental Compliance – Environmental compliance is not required for this Project. Task 12: Construction Administration – Construction administration will not be required for this Project.



Well No. 2 Rehabilitation Project (Project)

The schedule presented is reasonable based on the current available information. This Project construction/implementation will be ready to proceed prior to April 1, 2015, with all necessary permits currently completed. In fact, the Project construction will be completed by April 30, 2015. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* – The City of Inglewood’s project manager will be responsible for ensuring the steps necessary to complete this Project are underway and will generate progress reports for the duration of the Project (October 16, 2014 - April 30, 2015). The grant application preparation was determined from the schedule provided in the consultant proposal (May 1, 2014 – September 30, 2014). *Task 2: Labor Compliance Program* – The City will incorporate prevailing wage requirements into the bid documents. The contractor will be responsible for Labor Compliance in accordance with Labor Code Section 1771.5 for the duration of construction (February 27, 2015 - April 30, 2015). *Task 3: Reporting* – Quarterly Progress Reports and a Final Report will be produced by the project manager for the Project as required for grant funding (October 16, 2014 – April 30, 2015).

Land Purchase/Easement: Land Purchase and Easement are not required for the Project.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – *Preliminary Evaluation of Downwell Conditions; Municipal-Supply Water Well No. 2* was prepared by Richard C. Slade & Associates LLC and completed on March 21, 2014. *Task 6: Final Design* – Since this is an existing well rehabilitation, as-built plans, driller’s logs, existing pump/motor data, and Project specifications will be used as the Final Design in conjunction with the recommendations made in the *Preliminary Evaluation of Downwell Conditions; Municipal-Supply Water Well No. 2*. *Task 7: Environmental Documentation* – This Project requires that the City file for Categorical Exemption with the Los Angeles County Clerk during the bidding process (January 15, 2015 – February 20, 2015). *Task 8: Permitting* – The City will utilize the existing NPDES permit for groundwater discharge during construction finalized on September 30, 2008.

Construction/Implementation: *Task 9: Construction Contracting* – The construction bid for this Project will be awarded by February 20, 2015. *Task 10: Construction* – The contractor will mobilize and prepare the site starting February 27, 2015, and the Project construction will begin by March 2, 2015. *Task 11: Environmental Compliance/Mitigation/Enhancement* – There is no environmental compliance, mitigation, or enhancement requirements associated with this Project. *Task 12: Construction Administration* – Project Inspection will be performed by the City of Inglewood for the duration of the Project construction/implementation (February 27, 2015 - April 30, 2015).

Task Name	Start	Finish	2014																
			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Grant Award Date	Thu 10/16/14	Thu 10/16/14											◆ 10/16						
Row (a) Direct Project Administration	Thu 5/1/14	Thu 4/30/15																	
Task 1: Project Administration	Thu 5/1/14	Thu 4/30/15																	
Administration of reimbursement invoices	Thu 10/16/14	Thu 4/30/15																	
Grant Application Preparation	Thu 5/1/14	Tue 9/30/14																	
Task 2: Labor Compliance Program	Fri 2/27/15	Thu 4/30/15																	
Prevailing wage requirements	Fri 2/27/15	Thu 4/30/15																	
Task 3: Reporting	Thu 10/16/14	Thu 4/30/15																	
Quarterly Progress Reports	Thu 10/16/14	Thu 4/30/15																	
Final Report	Thu 4/30/15	Thu 4/30/15															◆ 4/30		
Row (b) Land Purchase / Easement																			
Task 4: Land Acquisition (Not Required)	N/A	N/A																	
Row (c) Planning/Design/Engineering/Environmental Documentation	Thu 1/2/14	Fri 2/20/15																	
Task 5: Assessment and Evaluation	Thu 1/2/14	Fri 3/21/14																	
Technical Memorandum	Thu 1/2/14	Fri 3/21/14																	
Task 6: Final Design	Thu 10/16/14	Mon 12/15/14																	
Bid Package	Thu 10/16/14	Mon 12/15/14																	
Task 7: Environmental Documentation	Thu 1/15/15	Fri 2/20/15																	
File Notice of Exemption (CEQA)	Thu 1/15/15	Fri 2/20/15																	
Task 8: Permitting (Not Required)	N/A	N/A																	
Existing NPDES Permit #CAG994005	N/A	N/A																	
Row (d) Construction / Implementation	Thu 1/15/15	Thu 4/30/15																	
Task 9: Construction Contracting	Thu 1/15/15	Fri 2/20/15																	
Advertise for Bids	Thu 1/15/15	Wed 1/28/15																	
Hold Pre-Bid Contractor's Meeting	Thu 1/29/15	Thu 1/29/15																	
Evaluate Bids	Fri 1/30/15	Thu 2/19/15																	
Award Contract	Fri 2/20/15	Fri 2/20/15																	
Task 10: Construction	Fri 2/27/15	Thu 4/30/15																	
Subtask 10.1 Mobilization and Site Preparation	Fri 2/27/15	Tue 3/3/15																	
Mobilization	Fri 2/27/15	Sun 3/1/15																	
Site Preparation	Mon 3/2/15	Tue 3/3/15																	
Subtask 10.2 Project Construction	Mon 3/2/15	Fri 4/3/15																	
Removing existing pump/motor assemblies	Mon 3/2/15	Thu 3/5/15																	
Video inspection of the existing well	Fri 3/6/15	Fri 3/6/15																	
Wire-brushing	Tue 3/10/15	Fri 3/13/15																	
Jetting	Wed 3/18/15	Fri 3/20/15																	
Bailing	Mon 3/23/15	Thu 3/26/15																	
Chemical treatment	Mon 3/30/15	Fri 4/3/15																	
Subtask 10.3 Performance Testing and Demobilization	Mon 4/6/15	Thu 4/30/15																	
Installation of Test Pump	Mon 4/6/15	Wed 4/8/15																	
Installation of Discharge Manifold	Mon 4/6/15	Wed 4/8/15																	
Well production test	Mon 4/13/15	Fri 4/17/15																	
Re-installation of pump/motor assemblies including replacement of worn parts	Mon 4/20/15	Thu 4/30/15																	
Task 11: Environmental Compliance (Not Required)	N/A	N/A																	
Task 12: Construction Administration	Fri 2/27/15	Thu 4/30/15																	
Preparation of Project Inspection Report	Fri 2/27/15	Thu 4/30/15																	

Task Milestone Summary

Pomona Basin Regional Groundwater Project (Project)

The schedule presented for the Project is reasonable based on the current available information. Puente Basin Water Agency (PBWA) will be ready to begin Project construction/implementation prior to April 1, 2015. In order to expedite implementation, PBWA will utilize a design-build process to complete the Project. For this reason the Project is broken into four major components (Bid Packages 1 through 4) allowing for each component's design and construction sequences to overlap in such a way that the overall schedule is compressed. Construction of Bid Package 1 consists of Pomona Walnut Rowland Joint Water Line (PWR-JWL) improvements and must be sufficiently completed in order to tie in groundwater production wells. Bid Package 3 consists of Durward Well site improvements and must be sufficiently completed in order to tie into the Old Baldy Well connection to PWR-JWL. Bid Package 2 consists of replacing Durward Well and may be completed any time prior to Bid Package 3. The justification for each category of the schedule is provided below:

Direct Project Administration: *Task 1: Project Administration* - PBWA's project manager will generate progress reports for the duration of the Project (May 1, 2014 – August 29, 2016). The schedule for grant application preparation was provided in the consultant proposal (May 1, 2014 – September 30, 2014). *Task 2: Labor Compliance Program* – PBWA will incorporate prevailing wage requirements into the bid documents so contractors are responsible for labor compliance in accordance with Labor Code Section 1771.5 for the duration of construction (February 1, 2015 – August 29, 2016). *Task 3: Reporting* – Quarterly Progress and Final Reports will be prepared as required for grant funding (October 16, 2014 - August 29, 2016).

Land Purchase/Easement: Land lease agreements with the City of La Verne and Golden State Water Company are in progress and will be finalized on October 30, 2014.

Planning/Design/Engineering/Environmental Documentation: *Task 5: Assessment and Evaluation* – The *Pomona Basin Regional Groundwater Project Alternatives Evaluation* was completed in November 2012. The *Pomona Basin Regional Groundwater Project Final Engineering Report (or 10% Design)* was completed in October 14, 2013. The *Six Basins Groundwater Project Hydraulic Analysis* will be completed in August 2014. *Task 6: Final Design* – 50%, 90%, and 100% design submittals will be prepared for each Bid Package simultaneously with staggered start dates. Bid Package 1 design was started in May 2014 to leave sufficient time for custom materials to be ordered and installed during low PWR-JWL flows (February 20, 2015). All other packages can be designed by the end of August 2015 based upon proposals from design consultants. *Task 7: Environmental Documentation* – A Categorical Exemption will be filed with the Los Angeles County Clerk prior to construction activities (February 20, 2015). *Task 8: Permitting* – PBWA will obtain Encroachment, NPDES Discharge, and Railroad Crossing Permits prior to relevant construction activities.

Construction/Implementation: *Task 9: Construction Contracting* – The construction bid process for each Bid Package will begin according to the following sequence: Bid Package 1 (January 1, 2015), Bid Package 2 (January 1, 2015), Bid Package 4 (April 3, 2015) and Bid Package 3 (September 1, 2015). *Task 10: Construction* – The contractor will begin construction activities accordingly: Bid Package 1 (February 1, 2015), Bid Package 2 (April 1, 2015), Bid Package 4 (June 1, 2015), then Bid Package 3 (September 29, 2015). All construction will be completed by August 29, 2016 based upon the engineering estimates developed during the 10% design process. *Task 11: Environmental Compliance/Mitigation/Enhancement* – There is no environmental compliance, mitigation, or enhancement requirements associated with this Project. *Task 12: Construction Administration* – Construction management, progress reporting, invoicing, and construction meetings will take place throughout the duration of construction (February 1, 2015 – August 29, 2016). Shop drawing review will take place prior to construction/implementation of each Bid Package. As-built record drawing production will take place following Performance Testing for each bid package.

