

Attachment 6. Schedule

6.1 PROJECT SCHEDULES

The included schedules show the start and end dates as well as milestones for each task contained in the Work Summary. A description is provided with each schedule to ensure that it is realistic, reasonable, and accomplishable based on the state of project development (such as design phase, status of permitting, and environmental documentation). Each project schedule is provided on one page.

Project 1: Cerritos/Forest Lawn Cypress Recycled Water System Extension Schedule

	Duration	Start	Finish	Dependents	2014				2015											
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
<i>Task 0: Conditional Award</i>	0	10/16/2014	10/16/2014	0																
(a) Direct Project Administration																				
<i>Task 1: Project Administration</i>	420	10/17/2014	12/11/2015	0																
<i>Task 2: Labor Compliance Program</i>	420	10/17/2014	12/11/2015	0																
<i>Task 3: Progress Reports and Final Reports</i>	420	10/17/2014	12/11/2015	0																
(b) Land Purchase/Easement																				
<i>Task 4: Right of Way - Entry/Encroachment Permits</i>	45	10/17/2014	12/1/2014	0																
(c) Planning/ Design/ Engineering/ Environmental Documentation																				
<i>Task 5: Assessment & Evaluation</i>	15	10/17/2014	11/1/2014	0																
<i>Task 6: Final Plans, Specifications, & Engineering (PS&E) (Design)∅</i>	60	10/17/2014	12/16/2014	0																
<i>Task 7: Environmental Clearance - CEQA∅</i>	60	10/17/2014	12/16/2014	0																
<i>Task 8: Permits - LA County∅</i>	389	11/17/2014	12/11/2015	0																
(d) Construction/ Implementation																				
<i>Task 9: Construction Contracting</i>	64	1/22/2015	3/27/2015																	
<i>Task 9a: City Council Approval of PS&E - Authorize Bidding</i>	0	1/22/2015	1/22/2015	6.0																
<i>Task 9b: Advertise Construction Documents</i>	30	1/23/2015	2/22/2015	9a																
<i>Task 9c: Bid Opening∅</i>	0	2/23/2015	2/23/2015	9b																
<i>Task 9d: Review Bids/Award Contract∅</i>	15	2/24/2015	3/11/2015	9c																
<i>Task 9e: Execute Construction Contract - NTP∅</i>	15	3/12/2015	3/27/2015	9d																
<i>Task 10: Construction</i>	256	3/30/2015	12/11/2015																	
<i>Task 10.1: Mobilization and Site Preparation</i>	7	3/30/2015	4/6/2015	9e																
<i>Task 10.2: Project Construction</i>	217	4/7/2015	11/10/2015	10.1																
<i>Task 10.3: Project Completion Close-Out - Notice of Completion∅</i>	30	11/11/2015	12/11/2015	10.2																
<i>Task 11: Environmental Compliance/Mitigation/Enhancement</i>	30	11/11/2015	12/11/2015	9e																
<i>Task 12: Construction Management/Administration</i>	241	3/30/2015	12/11/2015	9e																

∅: Milestone

**Schedule Description for
Project 1: Cerritos/Forest Lawn Cypress Recycled Water System Extension**

Category (a): Direct Project Administration

Project administration, labor compliance, and reporting will begin at the conditional awarding of the Drought Grant and continue throughout the length of the project. This will include submitting monthly and quarterly progress reports, invoices, and completion reports.

Category (b): Land Purchase/Easement

The project will require the use of existing public right-of-ways. Lakewood and Cypress are supportive of the project and will be issuing right of way encroachment permits for the recycled water line.

Category (c): Planning/Design/Engineering/Environmental Documentation

This project has been a long term objective of the City as part of the original plan for the Cerritos Recycled Water System, which included the future expansion of the water system to serve adjacent communities. Therefore, preliminary plans and designs are complete and final plans can be completed within sixty (60) days of receiving notice of award.

The City annually constructs pipelines in public right of ways and complies with CEQA. Since this project is of the same nature as the City's annual pipeline replacement project, then all appropriate environmental documents will be satisfied. The extension of the recycled water system will require a permit modification of the City's recycled water system which the City will apply for.

Category (d): Construction/Implementation

The construction of the project will comply with all City as well as County and State requirements, including noise and construction activity restrictions.

The city does not anticipate that there will be any environmental challenges, however, during construction the City will test for contamination in excavated soils and implement mitigation actions as required.

Project 2: Miles Avenue Well Site Nitrate Blending Improvements Schedule

	Duration	Start	Finish	Dependents	2014						2015											
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Task 0: Conditional Award</i>	0	10/16/2014	10/16/2014	0																		
(a) Direct Project Administration																						
<i>Task 1: Project Administration</i>	261	10/17/2014	7/5/2015	0																		
<i>Task 2: Labor Compliance Program</i>	261	10/17/2014	7/5/2015	0																		
<i>Task 3: Progress Reports and Final Reports</i>	261	10/17/2014	7/5/2015	0																		
(b) Land Purchase/Easement																						
(c) Planning/ Design/ Engineering/ Environmental Documentation																						
<i>Task 5: Assessment & Evaluation</i>	15	10/17/2014	11/1/2014	0																		
<i>Task 6: Final Plans, Specifications, & Engineering (PS&E) (Design)∅</i>	30	10/20/2014	11/19/2014	0																		
<i>Task 7: Environmental Clearance - CEQA∅</i>	60	10/17/2014	12/16/2014	0																		
<i>Task 8: Permitting - CDPH∅</i>	227	11/20/2014	7/5/2015	6																		
(d) Construction/ Implementation																						
<i>Task 9: Construction Contracting</i>	75	11/24/2014	2/7/2015																			
<i>Task 9a: City Council Approval of PS&E - Authorize Bidding</i>	7	11/24/2014	12/1/2014	6																		
<i>Task 9b: Advertise Construction Documents</i>	28	12/2/2014	12/30/2014	9a																		
<i>Task 9c: Bid Opening∅</i>	0	1/1/2015	1/1/2015	9b																		
<i>Task 9d: Review Bids/Award Contract∅</i>	20	1/2/2015	1/22/2015	9c																		
<i>Task 9e: Execute Construction Contract - NTP∅</i>	15	1/23/2015	2/7/2015	9d																		
<i>Task 10: Construction</i>	146	2/9/2015	7/5/2015																			
<i>Task 10.1: Mobilization and Site Preparation</i>	7	2/9/2015	2/16/2015	9e																		
<i>Task 10.2: Project Construction</i>	107	2/17/2015	6/4/2015	10.1																		
<i>Task 10.3: Project Completion Close-Out - Notice of Completion∅</i>	30	6/5/2015	7/5/2015	10.2																		
<i>Task 11: Environmental Compliance/Mitigation/Enhancement</i>	146	2/9/2015	7/5/2015	9e																		
<i>Task 12: Construction Management/Administration</i>	146	2/9/2015	7/5/2015	9e																		

∅: Milestone

Grayed out cells indicate that the category is not applicable to this project

Schedule Description for Project 2: Miles Avenue Well Site Nitrate Blending Improvements

Category (a): Direct Project Administration

Project administration, labor compliance, and reporting will begin at the conditional awarding of the Drought Grant and continue throughout the length of the project. This will include submitting monthly and quarterly progress reports, invoices, and completion reports.

Category (b): Land Purchase/Easement

The City owns the Miles Ave. well site located at 5920 Miles Ave., Huntington Park, CA. Therefore, additional land and easements will not be required.

Category (c): Planning/Design/Engineering/Environmental Documentation

The well was built by the City in 1985 and modified in 2009, with complete records. Once the City receives notice of award, final design and engineering will be prepared. Moreover, the City has reviewed the extent of the work required to complete the nitrate blending improvement project, and, after completing a CEQA initial assessment, the City found that the project is exempt.

A technical report will need to be filed with CDPH before the Miles Avenue Well can be placed back into service.

Category (d): Construction/Implementation

The City will award a contract for the nitrate blending modifications at Well #17 within four months of receiving the notice of conditional approval. In the same period, the city will contract with for its SCADA vendor for upgrades to the SCADA system to interphase with the additional monitoring and mixing installations. Although no environmental impacts will result from the project the city will increase the monitoring frequency to, from and at the well site.

Schedule Description for Project 3: Signal Hill Advanced Groundwater Wellhead Treatment

Category (a): Direct Project Administration

Project administration, labor compliance, and reporting will begin at the conditional awarding of the Drought Grant and continue throughout the length of the project. This will include submitting monthly and quarterly progress reports, invoices, and completion reports.

Category (b): Land Purchase/Easement

The City of Signal Hill owns the parcel at 1275 28th Street for Well No. 9. The proposed treatment facilities will be constructed within the City's property limits. Therefore, additional land and easements will not be required.

Pipelines for distribution system connection are primarily located within public street rights-of-way.

Category (c): Planning/Design/Engineering/Environmental Documentation

Preliminary planning and design has been completed for the proposed treatment facilities. A preliminary design report was prepared by Tetra Tech in September 2010. The Preliminary Design Report also includes a 30% design level (approximate) of the project facilities.

This project is subject to the environmental review process established in CEQA. The City proposes to comply with CEQA and NEPA requirements by preparing an Initial Study and adopting a Mitigated Negative Declaration.

For construction of the treatment facilities, a water supply permit will be required from the California Department of Health Services (CDPH). Additionally, a Technical Report will also need to be submitted to CDPH. Once the draft final design plans have been prepared, they will be submitted to CDPH along with the Technical Report for review. The treatment plant site is owned by the City of Signal Hill.

Category (d): Construction/Implementation

It is anticipated that the Signal Hill Advanced Groundwater Wellhead Treatment Project will utilize the design/build delivery approach for construction of the treatment facilities, thereby reducing the total project duration. Once the treatment facility has been completed, the wellhead, groundwater transmission pipeline, treatment facilities, and the finished product water transmission pipeline will be tested to complete permitting compliance with CPDH. During the initial construction of Well No.9, a CEQA document was prepared for the project. It is expected that the project will have minimal impacts to the adjacent area, as the project is located in a commercial and industrial area of the City. Nonetheless, mitigation measures will be performed during and after construction of the project facilities.

Construction management and administration will begin with the City's Notice to Proceed and continue to the end of construction.

6.2 PROPOSAL SCHEDULE

	Duration	Start	Finish	2014												2015												2016											
				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											
Project Administration	598	6/2/2014	1/21/2016	[Gantt bars for Project Administration tasks]																																			
<i>Compile and Submit Drought Grant Application</i>	49	6/2/2014	7/21/2014	[Gantt bar]																																			
<i>Progress Reports, Final Reports, Invoicing</i>	598	6/2/2014	1/21/2016	[Gantt bar]																																			
<i>Conditional Award⁰</i>	0	10/16/2014	10/16/2014	[Gantt bar]																																			
<i>Detailed Work Plans for Projects</i>	30	10/17/2014	11/16/2014	[Gantt bar]																																			
<i>Detailed Budgets for Projects</i>	30	10/17/2014	11/16/2014	[Gantt bar]																																			
<i>Project Justification Documentation</i>	30	10/17/2014	11/16/2014	[Gantt bar]																																			
<i>Project Performance Monitoring Plans</i>	30	10/17/2014	11/16/2014	[Gantt bar]																																			
<i>Financial Statements</i>	30	10/17/2014	11/16/2014	[Gantt bar]																																			
<i>CEQA/NEPA Documentation</i>	30	10/17/2014	11/16/2014	[Gantt bar]																																			
(a) Direct Project Administration	461	10/17/2014	1/21/2016	[Gantt bars for Direct Project Administration tasks]																																			
<i>Project 1</i>	420	10/17/2014	12/11/2015	[Gantt bar]																																			
<i>Project 2</i>	261	10/17/2014	7/5/2015	[Gantt bar]																																			
<i>Project 3</i>	461	10/17/2014	1/21/2016	[Gantt bar]																																			
(b) Land Purchase/Easement	45	10/17/2014	12/1/2014	[Gantt bars for Land Purchase/Easement tasks]																																			
<i>Project 1</i>	45	10/17/2014	12/1/2014	[Gantt bar]																																			
<i>Project 2</i>	N/A	N/A	N/A	[Gantt bar]																																			
<i>Project 3</i>	N/A	N/A	N/A	[Gantt bar]																																			
(c) Planning/ Design/ Engineering/ Environmental Documentation	432	10/17/2014	12/23/2015	[Gantt bars for Planning/ Design/ Engineering/ Environmental Documentation tasks]																																			
<i>Project 1</i>	420	10/17/2014	12/11/2015	[Gantt bar]																																			
<i>Project 2</i>	394	10/17/2014	11/15/2015	[Gantt bar]																																			
<i>Project 3</i>	432	10/17/2014	12/23/2015	[Gantt bar]																																			
(d) Construction/ Implementation	423	11/24/2014	1/21/2016	[Gantt bars for Construction/ Implementation tasks]																																			
<i>Project 1</i>	323	1/22/2015	12/11/2015	[Gantt bar]																																			
<i>Project 2</i>	223	11/24/2014	7/5/2015	[Gantt bar]																																			
<i>Project 3</i>	400	12/17/2014	1/21/2016	[Gantt bar]																																			

⁰: Milestone