



August 25, 2017

TO: Planning and Engineering Committee
Gary Martin, Chair
Tom Campbell, Vice Chair
B. J. Atkins
Bill Cooper
Bill Pecsì

FROM: Brian J. Folsom *BJF*
Engineering and Operations Manager

The **Planning and Engineering Committee** is scheduled to meet on **Tuesday, September 5, 2017 at 5:30 PM** in the Training Room at the Rio Vista Water Treatment Plant.

MEETING AGENDA

1. Public Comment
2. * Recommend Approval of a Resolution Awarding a Construction Contract to Mesa Engineering for Demolition and Removal of the Upper Mesa Water Tank
3. Presentation on Engineering Technologies
4. * Capital Improvements Projects Construction Status Report
5. * Committee Planning Calendar
6. General Report on Engineering and Operations Department Activities
7. Adjournment

- * Indicates attachment
- ◆ To be distributed

cc: CLWA Board of Directors
Joe Byrne

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Notices:

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning (661) 297-1600, or writing to Castaic Lake Water Agency at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.

Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Castaic Lake Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, California 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Web site, accessible at <http://www.clwa.org>.

MBS



Castaic Lake Water Agency Memorandum

August 21, 2017

To: CLWA Planning and Engineering Committee

From: Brian J. Folsom *BJF*
Engineering and Operations Manager

Subject: Recommend Approval of a Resolution Awarding a Construction Contract to Mesa Engineering for Demolition and Removal of the Upper Mesa Water Tank

SUMMARY

The existing Upper Mesa Water Tank (Mesa Tank) is in a state of disrepair and needs to be demolished and removed. Staff is recommending award of a construction contract to Mesa Engineering to demolish and remove the Mesa Tank.

DISCUSSION

The Mesa Tank is located on CLWA's Rio Vista Water Treatment Plant property adjacent to the Upper Mesa solar project. The Mesa Tank is a concrete tank with a wood roof, approximately 90 feet in diameter and 25 feet tall. The Mesa Tank was constructed and used by the previous owners of the property and has not been used for many years. The Mesa Tank has fallen into a state of dis-repair and the condition is getting worse each year. The tank is an attractive nuisance as indicated by graffiti, vandalism and periodic use by the homeless.

CLWA solicited construction bids from three contractors as shown below:

Bidder	Bidder Location	Total Bid Price
Mesa Engineering	Santa Clarita, CA	\$ 108,000.00
J.P. Arman	Newhall, CA	\$ 124,440.00
Foster Construction	Santa Clarita, CA	\$ 138,000.00

FINANCIAL CONSIDERATIONS

Mesa Engineering's total construction bid is \$108,000. The project is funded by one percent property tax funds in the Repair and Replacement portion of the Capital Improvement Program budget. The FY 2017/18 Budget amount is \$90,000. The additional funds are available in the fund balance.

RECOMMENDATIONS

The Planning and Engineering Committee recommends that the Board of Directors approve the attached resolution awarding a construction contract to Mesa Engineering for demolition and removal of the Upper Mesa Water Tank in the amount of \$108,000.

BJF

Attachment

MBS

RESOLUTION NO.

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE CASTAIC LAKE WATER AGENCY
AWARDING A CONSTRUCTION CONTRACT TO
MESA ENGINEERING
FOR DEMOLITION OF THE UPPER MESA WATER TANK**

WHEREAS, the Castaic Lake Water Agency (Agency) received three bid proposals for the demolition and removal of the Upper Mesa Water Tank; and

WHEREAS, the Board of Directors finds, after considering the opinion of staff, that the total bid of Mesa Engineering in the amount of \$108,000 is the lowest bid of three bids submitted; and

WHEREAS, it is in the Agency's best interest that the Board of Directors, on behalf of the Agency, authorize its General Manager to accept the \$108,000 bid.

NOW, THEREFORE, BE IT RESOLVED that the Agency's Board of Directors does authorize its General Manager to accept said low bid and does thereafter authorize the Agency's General Manager or its Engineering and Operations Manager to issue a Notice of Award to Mesa Engineering, hereby found to be the "lowest responsible bidder" for the demolition and removal of the Upper Mesa Water Tank for the total sum of \$108,000;

RESOLVED FURTHER that the Agency's General Manager or its President and Secretary are thereupon authorized, upon receipt of appropriate payment and performance bonds, appropriate certificates of insurance and an executed Contract Agreement from Mesa Engineering, all of which must be approved by General Counsel, to execute the said Contract Agreement on behalf of the Agency.

RESOLVED FURTHER that the Agency's General Manager or its Engineering and Operations Manager are thereafter authorized to execute and forward to Mesa Engineering an appropriate Notice to Proceed.

Castaic Lake Water Agency

Projects in Construction

Monthly Status Report

(Times and Dollar Amounts based on estimated work completed through August 15, 2017)



Foothill Feeder Turnout CLWA-01 Project

General

Capital Project No: 200905

Description: Construction of a permanent turnout structure known as CLWA-01.

Facilities: Connection to the Foothill Feeder, including construction of a concrete valve vault equipped with a 36-inch conical plug valve, a new meter vault equipped with a 36-inch magnetic type flow meter and associated pipeline.

Function: Increase effective capacity of RVIPS and RVWTP.

Impacted Facilities: RVIPS, RVWTP.

CEQA: Environmental Impact Report for the RVWTP Expansion, which includes permanent Foothill Feeder Connection, was certified by the Board of Directors on June 28, 2006, and the Addendum to the Certified EIR was approved on March 11, 2009.

Construction Contract Status

Notice of Award: March 9, 2017
Notice to Proceed: April 27, 2017
Calendar Days to Complete: 335
Days by Change Order or Delays: 0
Completion Date: March 28, 2018
Contractor: GSE Construction Company, Inc.
Original Contract Amount: \$ 2,691,300
Amount by Change Order: \$ 0
Current Contract Amount: \$ \$2,691,300
Billings to date: \$ 151,000
Retention: \$ 7,550.00
Estimated Percent of Work Completed: 6%
Percent Billed: 6%
Percent Time Elapsed: 33%

Status: Site clearing completed. Trenches for conduit banks have been excavated.

Significant Issues: None.

Earl Schmidt Filtration Plant (ESFP) Clearwell/CT Improvements Project

General

Capital Project No: 200105

Description: Construction of a new concrete contactor to improve disinfection contact time (CT) at ESFP.

Facilities: ESFP.

Function: Improves disinfection contact time at the ESFP and provides increased assurance of operating permit compliance.

Impacted Facilities: ESFP.

CEQA: Categorically Exempt (Class 1, Section 15301 of the State CEQA Guidelines).

Construction Contract Status

Notice of Award: March 9, 2017
Notice to Proceed: April 12, 2017
Calendar Days to Complete: 480
Days by Change Order or Delays: 0
Completion Date: August 5, 2018
Contractor: Clark Bros. Inc.
Original Contract Amount: \$ 5,623,745
Amount by Change Order: \$ 0
Current Contract Amount: \$ 5,623,745
Billings to date: \$ 507,428.77
Retention: \$ 25,371.44
Estimated Percent of Work Completed: 12%
Percent Billed: 9%
Percent Time Elapsed: 28%

Status: Rerouting of the electrical duct bank is complete. Installed underslab piping. Installation of pipe encasement and rebar for floor slab are next scheduled activities.

Significant Issues: None.

Rio Vista Valve No. 2 Modifications Project

General

Capital Project No: 200010

Description: Replacement of existing 72 inch valve and construction of modifications to the existing Rio Vista Valve #2 facility.

Facilities: Rio Vista Valve #2

Function: Control treated water system hydraulics. Improves operational flexibility and system reliability.

Impacted Facilities: Rio Vista Valve #2, RVIPS and RVWTP.

CEQA: Categorically Exempt (Class 2, Section 15302 of the State CEQA Guidelines).

Construction Contract Status

Notice of Award: June 30, 2017
Notice to Proceed: July 31, 2017 (Projected)
Calendar Days to Complete: 280
Days by Change Order or Delays: 0
Completion Date: May 7, 2018
Contractor: Environmental Construction Inc.
Original Contract Amount: \$ 2,089,672
Amount by Change Order: \$ 0
Current Contract Amount: \$ 2,089,672
Billings to date: \$ 0
Retention: \$ 0
Estimated Percent of Work Completed: 7%
Percent Billed: 0%
Percent Time Elapsed: 10%

Status: Pre-construction meeting held July 31, 2017. Submittals and RFIs are being submitted and processed. Contractor mobilized the week of August 14, 2017.

Significant Issues: None.

ESIPS Pipeline Improvements Project

General

Capital Project No: 200151

Description: Construction of pipeline improvements to the Earl Schmidt Intake Pump Station (ESIPS) suction and discharge pipelines.

Facilities: ESIPS

Function: Improve the reliability of the pipelines at the ESIPS.

Impacted Facilities: ESIPS

CEQA: Categorically Exempt (Class 1, Section 15301 of the State CEQA Guidelines).

Construction Contract Status

Notice of Award: August 24, 2017
Notice to Proceed: September 11, 2017 (Projected)
Calendar Days to Complete: 240
Days by Change Order or Delays: 0
Completion Date: May 8, 2018
Contractor: Pacific Hydrotech Corp.
Original Contract Amount: \$ 3,083,100
Amount by Change Order: \$ 0
Current Contract Amount: \$ 3,083,100
Billings to date: \$ 0
Retention: \$ 0
Estimated Percent of Work Completed: 0%
Percent Billed: 0%
Percent Time Elapsed: 0%

Status: Contractor is executing the construction contract, bonds, and insurance documents.

Significant Issues: None.

SPTF Pressure Control Modifications Project

General

Capital Project No: 300329

Description: Installation of valves and replacement of corresponding pipeline segments.

Facilities: Saugus Perchlorate Treatment Facility (SPTF)

Function: Maintain system pressure and mitigate the effect of surges from well shutdowns.

Impacted Facilities: SPTF, Saugus Wells 1 and 2.

CEQA: Categorically Exempt (Class 1, Section 15301 of the State CEQA Guidelines).

Construction Contract Status

Notice of Award: August 2, 2017
Notice to Proceed: September 5, 2017 (Projected)
Calendar Days to Complete: 150
Days by Change Order or Delays: 0
Completion Date: February 2, 2018 (Projected)
Contractor: GSE Construction Company Inc.
Original Contract Amount: \$ 134,600
Amount by Change Order: \$ 0
Current Contract Amount: \$ 134,600
Billings to date: \$ 0
Retention: \$ 0
Estimated Percent of Work Completed: 0%
Percent Billed: 0%
Percent Time Elapsed: 0%

Status: Contractor is executing the construction contract, bonds, and insurance documents.

Significant Issues: None.

August 25, 2017

Planning and Engineering Committee
 Planning Calendar
 FY 2017/18

ITEM NO. 5

	Item	July 5 Comm	July 26 Board	Aug 1 Comm	Aug 23 Board	Sept 5 Comm	Sept 27 Board	Oct 3 Comm	Oct 25 Board	Oct 31 Comm	Nov 20 Board	Dec 5 Comm	Dec 27 Board	Jan 2 Comm	Jan 24 Board	Feb 6 Comm	Feb 28 Board	March 6 Comm	March 28 Board	April 3 Comm	April 25 Board	May 1 Comm	May 23 Board	June 5 Comm	June 27 Board
1	Monthly Committee Planning Calendar	C		C		P		P		P		P		P		P		P		P		P		P	
2	CIP Construction Status Report	C		C		P		P		P		P		P		P		P		P		P		P	
3	Update on Quagga Mussels					P	P					P	P					P	P					P	P
4	Recommend Approval of Construction Contract for SPTF Pressure Sustaining Modifications	C	C																						
5	Recommend (1) Approval of a Resolution Adopting a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, (2) Authorize the General Manager to Enter into a Cost Sharing Agreement with Valencia Water Company and (3) Approval of a Work Authorization for RMC Water and Environment for Final Design of the Recycled Water West Ranch (Phase 2D) Project	C	C																						
6	Recommend Approval of Construction Contract for ESIPS Pipeline Improvements			C	C																				
7	Recommend (1) Approval of a Resolution Adopting a Mitigated Negative Declaration, (2) authorize the General Manager to enter into a cost sharing agreement with the purveyors and (3) authorize final design funding for the Recycled Water South End (Phase 2C) Project				C																				
8	Recommend Approval of a Resolution Awarding a Contract for the Demolition of the Upper Mesa Tank					P	P																		
9	Presentation on Engineering Technologies (GIS, Infomaster, Innovyze, CTS, SCADA Watch, etc.)					P	P																		
10	Conference with Legal Counsel - Potential Litigation - Closed Session.							P																	
11	Recommend Approval of Groundwater Treatment Project Design Work Authorization							P	P																

C = Completed Item
 P = Planned Item

**Planning and Engineering Committee
Planning Calendar
FY 2017/18**

	Item	July 5 Comm	July 26 Board	Aug 1 Comm	Aug 23 Board	Sept 5 Comm	Sept 27 Board	Oct 3 Comm	Oct 25 Board	Oct 31 Comm	Nov 20 Board	Dec 5 Comm	Dec 27 Board	Jan 2 Comm	Jan 24 Board	Feb 6 Comm	Feb 28 Board	March 6 Comm	March 28 Board	April 3 Comm	April 25 Board	May 1 Comm	May 23 Board	June 5 Comm	June 27 Board
12	Recommend Approval of a Resolution Awarding a Contract for the Purchase of Electrical Equipment for SC-12							P	P																
13	Recommend Approval of a Resolution Awarding a Contract for the Removal and Replacement of Asphalt at the Placerita Tank Facility							P	P																
14	Recommend Approval of a Resolution Awarding a Contract for the Recoating of the Exterior of the Honby Tank #1							P	P																
15	Recommend Approval of a Resoulition Awarding a Contract for the Recoating of the Exterior of the Bouquet Tank							P	P																
16	Recommend Approval of a Resolution Adopting a Mitigated Negative Declaration, Final Design, and cost sharing for the Recycled Water Program Phase 2A (Central Park) Project between CLWA and TBD									P	P														
17	Recommend (1) Approval of a Resolution Adopting a Mitigated Negative Declaration, (2) authorize the General Manager to enter into a cost sharing agreement with the purveyors and (3) authorize final design funding for the Recycled Water Vista Canyon (Phase 2B) Project									P	P														
18	Recommend Approval of Solicitation of Construction Bids for ESFP Washwater Return and Sludge Systems									P	P														
19	Recommend Approval of Construction of a New 2.5 MG Deane Tank and Cost Sharing Agreement with Developer											P	P												
20	Recommend Approval of Construction of a New Deane Zone Pump Station and Cost Sharing Agreement with Developer											P	P												
21	Recommend Approval of Resolution Authorizing CLWA to Execute Consolidation and Water Service Agreement, and Financing Agreement for Construction of Pipeline to the Los Angeles Residential Community													P	P										
22	Recommend Approval of Resolution Awarding Construction Contract to FIRM NAME for Pipeline to the Los Angeles Residential Community													P	P										

C = Completed Item
P = Planned Item

**Planning and Engineering Committee
Planning Calendar
FY 2017/18**

	Item	July 5 Comm	July 26 Board	Aug 1 Comm	Aug 23 Board	Sept 5 Comm	Sept 27 Board	Oct 3 Comm	Oct 25 Board	Oct 31 Comm	Nov 20 Board	Dec 5 Comm	Dec 27 Board	Jan 2 Comm	Jan 24 Board	Feb 6 Comm	Feb 28 Board	March 6 Comm	March 28 Board	April 3 Comm	April 25 Board	May 1 Comm	May 23 Board	June 5 Comm	June 27 Board
23	Recommend Approval of Resolution Adopting a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program under CEQA and Design for the Construction of Two 1.6 MG tanks in the Placerita Pressure Zone															P	P								
24	Recommend Approval of Resolution Awarding Construction Contract to FIRM NAME for Pipeline in Rainbow Glen Drive															P	P								
25	Annual Review of Engineering and Operations Department Policies															P	P								
26	Preliminary FY 2018/19 Capital Projects Budget Discussion																	P							
27	Certify CEQA and Recommend Approval of Work Authorization for Design of Replacement Wells																	P	P						
28	Recommend Approval of Construction Bids Solicitation for the Castaic Conduit Pipeline Reaches 1, 2 and 5 Modifications																	P	P						
29	Recommend Approval of Resolution Awarding Construction Contract to FIRM NAME to Replace Six (6) Service Laterals and Services to Business in West Newhall																	P	P						
30	Review Proposed FY 2018/19 Action Items																			P					
31	Review Proposed FY 2018/19 Capital Projects																			P	P				
32	Follow-up Final Review Proposed FY 2018/19 Minor and Major Capital Projects, if needed																					P	P		
33	Recommend Approval of Solicitation of Construction Bids for Groundwater Treatment Improvement Project																					P	P		