

July 18, 2017

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

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

The **Planning and Engineering Committee** is scheduled to meet on **Tuesday, August 1, 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 (1) a Resolution Awarding a Construction Contract to Pacific Hydrotech Corporation, (2) a Work Authorization to Lee & Ro, Inc. for Engineering Services During Construction, and (3) a Work Authorization to Michael Baker International for Construction Management Services for the ESIPS Pipeline Improvements Project
3. \* Capital Improvements Projects Construction Status Report
4. \* Committee Planning Calendar
5. General Report on Engineering and Operations Department Activities
6. 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>.





# Castaic Lake Water Agency

## Memorandum

July 18, 2017

**To:** CLWA Planning and Engineering Committee

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

**Subject:** Recommend Approval of (1) a Resolution Awarding a Construction Contract to Pacific Hydrotech Corporation, (2) a Work Authorization to Lee & Ro, Inc. for Engineering Services During Construction, and (3) a Work Authorization to Michael Baker International for Construction Management Services for the ESIPS Pipeline Improvements Project

### SUMMARY

The Earl Schmidt Intake Pump Station (ESIPS) Pipeline Improvements Project has been advertised for construction bids. Bids have been received and staff is recommending award of a construction contract. (FY 2017/18 Action B6.5: *Initiate construction of the Earl Schmidt Intake Pump Station Pipeline Improvements Project.*)

### DISCUSSION

The ESIPS is located adjacent to Castaic Lake. Untreated water is conveyed from Castaic Lake through the ESIPS to the Earl Schmidt Filtration Plant (ESFP). When the lake level is high, the water is bypassed around the pumps at the ESIPS; however, when the lake level is low, the ESIPS pumps are used to pump water to the ESFP. In February 2016, when Pump No. 2 was started, it was discovered that the suction pipeline was leaking. During the repair work, a portion of the pipeline was found to have settled. The Agency's design consultant, Lee & Ro, Inc. (Lee & Ro), determined the main deficiency to be settlement of a portion of the buried suction pipeline header and improvements were identified to correct the deficiency. The proposed pipeline improvements include the excavation and removal of the impacted pipelines and appurtenances and the re-installation of those pipelines and appurtenances inside a new concrete structure.

The project has been advertised in the local newspaper on three different dates and on the Agency's website for construction bids. On June 27, 2017, four bids were received and opened for construction of the ESIPS Pipeline Improvements Project. A summary of the bids is presented below:

Bidder	Bidder Location	Total Bid Price
Pacific Hydrotech Corp.	Perris, CA	\$3,083,100.00
Hemet Mfg. Co., Inc. dba Genesis Construction	Hemet, CA	\$3,410,956.00
Blois Construction, Inc.	Oxnard, CA	\$3,684,500.00
G.B. Cooke, Inc.	Fullerton, CA	\$3,930,000.00

The apparent responsive low bid is from Pacific Hydrotech Corp. (PHC) for a total of \$3,083,100. The engineer's estimate for the project is \$3,076,100.

During the review of PHC's proposal, staff identified a minor irregularity in that PHC did not submit the Certificate for Workers' Compensation Insurance form with their bid. CLWA's General Counsel has advised that this missing form did not give PHC an advantage over the other bidders and that the form can legally be provided after bid opening and prior to the performance of any work of the contract. PHC provided the completed form after the bid opening. CLWA's General Counsel also advised that this irregularity can be waived as an immaterial deviation under Section IB-16 of the Instructions to Bidders and California law. PHC is a properly licensed contractor in the State of California and is registered with the Department of Industrial Relations. Staff has contacted PHC's references and the references provided positive comments.

Staff has requested the engineering design consultant, Lee & Ro, to provide a proposal for professional engineering services during construction. Lee & Ro's services include attending various construction meetings, responding to contractor's requests for information, reviewing contractor submittals for conformance to the project's technical aspects and updating the construction drawings to reflect changes made during construction.

Staff has also requested Michael Baker International (MBI) to provide a proposal for construction management and inspection services to include managing and coordinating construction meetings and documentation, monitoring construction activities, performing inspections, reviewing progress pay estimates and construction performance and coordinating project start-up activities.

#### CEQA Determination

The proposed action was previously determined to be categorically exempt under the provisions of CEQA under Class 1, Section 15301 of the State CEQA Guidelines. A Notice of Exemption was filed with the Los Angeles County Clerk on October 6, 2016 and the statute of limitations has ended. With the current Board action, there are no substantial changes proposed to the project since the original NOE was filed. Hence, the previous environmental documentation in conjunction with the project fully complies with CEQA and the State CEQA Guidelines and no further environmental analysis or documentation is required.

#### **FINANCIAL CONSIDERATIONS**

PHC's total construction bid is \$3,083,100. Lee & Ro's budget for professional engineering services during construction is \$195,000. MBI's budget for construction management services is \$467,000. Both MBI and Lee & Ro's services would be performed on a time and expense basis. The project is funded in the Agency's FY 2017/18 Budget. The project's total estimated cost is \$4,083,000. The FY 2017/18 project budget amount is \$3,706,000. As of May 31, 2017, project expenditures are \$387,149.

#### **RECOMMENDATIONS**

That the Planning and Engineering Committee recommends that the Board of Directors (1) approve the attached resolution awarding a construction contract to Pacific Hydrotech Corp., for construction of the ESIPS Pipeline Improvements Project in the amount of \$3,083,100, (2) authorize the General Manager to execute a work authorization to Lee & Ro, Inc. for professional engineering services during construction for an amount not to exceed \$195,000, and (3) authorize the General Manager to execute a work authorization with Michael Baker International for construction management services for an amount not to exceed \$467,000.

JY

Attachment



**RESOLUTION NO.**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE CASTAIC LAKE WATER AGENCY  
AWARDING A CONSTRUCTION CONTRACT TO  
PACIFIC HYDROTECH CORP.  
FOR THE ESIPS PIPELINE IMPROVEMENTS PROJECT**

**WHEREAS**, all bid proposals submitted to the Castaic Lake Water Agency (Agency) pursuant to the Agency's specifications (Project No. 200151) for the construction of the ESIPS Pipeline Improvements Project, as amended by Addenda, were publicly opened and read at the Agency's offices on Tuesday, June 27, 2017 at 2:00 p.m., in full accordance with the law and the Agency's customary procedures; and

**WHEREAS**, the Board of Directors finds, after considering the opinion of staff, that the total bid of Pacific Hydrotech Corp. in the amount of \$3,083,100 is the lowest bid of four bids submitted, and that said bid substantially meets the requirements of said specifications as amended by Addenda; and

**WHEREAS**, the irregularity in the omission of the Certificate for Workers' Compensation Insurance form is waivable under Section IB-16 of the Instructions to Bidders and California law; 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 \$3,083,100 bid; and

**WHEREAS**, the project was previously determined by the Board to be categorically exempt under provisions of CEQA and the State CEQA Guidelines on October 6, 2016, and there are no substantial changes to the project, and no further CEQA documentation is necessary for the Board to act with regards to the proposed actions.

**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 Pacific Hydrotech Corp., hereby found to be the "lowest responsible bidder" for the ESIPS Pipeline Improvements Project for the total sum of \$3,083,100 pursuant to said Agency specifications as amended by Addenda.

**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 Pacific Hydrotech Corp., 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 Pacific Hydrotech Corp. an appropriate Notice to Proceed.

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# Castaic Lake Water Agency

## Projects in Construction

### Monthly Status Report

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



BOF

## 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: \$ 0  
Retention: \$ 0  
Estimated Percent of Work Completed: 8%  
Percent Billed: 0%  
Percent Time Elapsed: 23%

Status: Pre-construction meeting held on March 30, 2017. Submittals and RFIs are being submitted and processed. Mobilization to site scheduled for the week of July 24, 2017.

Significant Issues: None.

July 17, 2017



## 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: \$ 313,028.77  
Retention: \$ 15,651.44  
Estimated Percent of Work Completed: 6%  
Percent Billed: 0%  
Percent Time Elapsed: 17%

Status: Pre-construction meeting was held on April 12, 2017. Contractor mobilized the week of May 29, 2017. Critical path item submittals and RFI are being reviewed by the design engineer. Site slope grading and rerouting of the electrical duct bank are underway.

Significant Issues: None.

July 17, 2017

## 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: 0%

Percent Billed: 0%

Percent Time Elapsed: 0%

Status: Pre-construction meeting scheduled for July 31, 2017.

Significant Issues: None.

July 17, 2017

Planning and Engineering Committee  
Planning Calendar  
FY 2017/18

**ITEM NO.**

**4**

	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		P		P		P		P		P		P		P		P		P		P		P	
2	CIP Construction Status Report	C		P		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	P																						
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	P																						
6	Recommend Approval of Construction Contract for ESIPS Pipeline Improvements			P	P																				
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				P																				
8	Recommend Approval of Groundwater Treatment Project Design Work Authorization					P	P																		
9	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																		
10	Recommend Approval of a Resolution Awarding a Contract for the Purchase of Electrical Equipment for SC-12					P	P																		

**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
11	Recommend Approval of a Resolution Awarding a Contract for the Removal and Replacement of Asphalt at the Placerita Tank Facility					P	P																		
12	Recommend Approval of a Resolution Awarding a Contract for the Recoating of the Exterior of the Honby Tank #1							P	P																
13	Recommend Approval of a Resoulution Awarding a Contract for the Recoating of the Exterior of the Bouquet Tank							P	P																
14	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																
15	Update on Engineering Technologies (GIS, Infomaster, Innovyze, CTS, SCADA Watch, etc.)							P	P																
16	Certify CEQA and Recommend Approval of Work Authorization for Replacement Wells/Dry Year Reliability Wells Design Contract									P	P														
17	Recommend Approval of Construction of a New 2.5 MG Deane Tank and Cost Sharing Agreement with Developer											P	P												
18	Recommend Approval of Construction of a New Deane Zone Pump Station and Cost Sharing Agreement with Developer											P	P												
19	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										
20	Recommend Approval of Resolution Awarding Construction Contract to FIRM NAME for Pipeline to the Los Angeles Residential Community													P	P										
21	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								
22	Recommend Approval of Resolution Awarding Construction Contract to FIRM NAME for Pipeline in Rainbow Glen Drive															P	P								

**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	Annual Review of Engineering and Operations Department Policies															P	P								
24	Recommend Approval of Solicitation of Construction Bids for ESFP Washwater Return and Sludge Systems															P	P								
25	Preliminary FY 2018/19 Capital Projects Budget Discussion																	P							
26	Recommend Approval of Construction Bids Solicitation for the Castaic Conduit Pipeline Reaches 1, 2 and 5 Modifications																	P	P						
27	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						
28	Review Proposed FY 2018/19 Action Items																			P					
29	Review Proposed FY 2018/19 Capital Projects																			P	P				
30	Follow-up Final Review Proposed FY 2018/19 Minor and Major Capital Projects, if needed																					P	P		
31	Recommend Approval of Solicitation of Construction Bids for Groundwater Treatment Improvement Project																					P	P		

C = Completed Item

P = Planned Item