

May 18, 2017

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

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

The **Planning and Engineering Committee** is scheduled to meet on **Tuesday, May 30, 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 Environmental Construction, Inc., (2) a Work Authorization to Michael Baker International for Engineering Services During Construction, and (3) a Work Authorization to Lee & Ro, Inc. for Construction Management Services for the Rio Vista Valve No. 2 Modifications Project
  3. \* Review of 2017 Long Term Capital Improvement Program
  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>.

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# Castaic Lake Water Agency

## Memorandum

May 17, 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 Environmental Construction, Inc., (2) a Work Authorization to Michael Baker International for Engineering Services During Construction, and (3) a Work Authorization to Lee & Ro, Inc. for Construction Management Services for the Rio Vista Valve No. 2 Modifications Project

### SUMMARY

The Rio Vista Valve No. 2 Modifications Project has been advertised for construction bids. Bids have been received and staff is recommending award of a construction contract. *(FY 2016/17 Action A5.18: Complete design and land acquisition of the Distribution System – RV-2 Modifications Project.)*

### DISCUSSION

The Agency is planning to replace a 72 inch butterfly valve, Rio Vista Valve No. 2, located near the intersection of Bouquet Canyon Road and Newhall Ranch Road. This valve is used to balance the transmission system between the service areas west and east of the valve. The valve is normally operated in the closed position and is opened when either the Rio Vista Water Treatment Plant or the Earl Schmidt Filtration Plant is off line. The valve is also operated in a partially open position to increase water system pressure on the south end of the service area located west of the valve. The valve is operational but cannot fully seal. The existing butterfly valve is not compatible with the current operating conditions and needs to be replaced with a valve suitable for use in a pressure regulating condition.

On May 10, 2017, five bids were received and opened for construction of the Rio Vista Valve No. 2 Modifications Project. A summary of the bids is presented below:

Bidder	Total Bid Price
Environmental Construction, Inc.	\$2,089,672.00
Advanced Chemical Transport, Inc.	\$2,181,304.00
Mehta Mechanical Company, Inc. dba MMC Inc.	\$2,184,100.00
Metro Builders & Engineers Group, Ltd.	\$2,188,600.00
GSE Construction Company Inc.	\$2,517,900.00

The apparent responsive low bid is from Environmental Construction, Inc. (ECI) for a total of \$2,089,672. The engineer's estimate for the project is \$2,067,700. Staff has reviewed ECI's proposal and concluded the bid is complete and accurate. Staff has verified that ECI is a properly licensed contractor in the State of California and is registered with the Department of Industrial Relations. Staff has contacted ECI's references and the references provided positive comments.

Staff has also requested the engineering design consultant, Michael Baker International (MBI), to provide a proposal for professional engineering services during construction. MBI'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 also requested Lee & Ro, Inc. (LRI) 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 and the State CEQA Guidelines. The project was found to be exempt under Class 2, Section 15302 of the State CEQA Guidelines. A Notice of Exemption (NOE) was filed with the Los Angeles County Clerk in December 14, 2010 and the statute of limitations has ended. With the current Board action, there is no substantial change 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. The CEQA determination is that the proposed action has been previously addressed in the 2010 NOE (Class 2, Section 15302 of the State CEQA Guidelines) and that no further environmental analysis or documentation is required.

#### **FINANCIAL CONSIDERATIONS**

ECI's total construction bid is \$2,089,672. MBI's budget for professional engineering services during construction is \$138,000. LRI's budget for construction management services is \$184,000. Both MBI and LRI's services would be performed on a time and expense basis. The project is funded in the Agency's FY 2016/17 Budget and there are adequate funds remaining to initiate this work. The project is budgeted in the Agency's FY 2017/18 Budget and there will be adequate funds for this work. The project's total estimated cost is \$4,156,000. The FY 2016/17 and FY 2017/18 project budget amounts are \$75,000, and \$3,346,000, respectively. As of March 31, 2017, project expenditures are \$726,119.

#### **RECOMMENDATIONS**

That the Planning and Engineering Committee recommends that the Board of Directors (1) approve the attached resolution awarding a construction contract to Environmental Construction, Inc., for construction of the Rio Vista Valve No. 2 Modifications Project in the amount of \$2,089,672, (2) authorize the General Manager to execute a work authorization to Michael Baker International for professional engineering services during construction for an amount not to exceed \$138,000, and (3) authorize the General Manager to execute a work authorization to Lee & Ro, Inc. for construction management services for an amount not to exceed \$184,000.

JY

Attachment

RESOLUTION NO. \_\_\_\_\_

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE CASTAIC LAKE WATER AGENCY  
AWARDING A CONSTRUCTION CONTRACT TO  
ENVIRONMENTAL CONSTRUCTION, INC.  
FOR THE RIO VISTA VALVE NO. 2 MODIFICATIONS PROJECT**

**WHEREAS**, all bid proposals submitted to the Castaic Lake Water Agency (Agency) pursuant to the Agency's specifications (Project No. 200010) for the construction of the Rio Vista Valve No. 2 Modifications Project, as amended by Addenda, were publicly opened and read at the Agency's offices on Wednesday, May 10, 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 Environmental Construction, Inc. in the amount of \$2,089,672 is the lowest responsible bid of five bids submitted, and that said bid substantially meets the requirements of said specifications as amended by Addenda; 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 \$2,089,672 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 December 14, 2010, 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 Environmental Construction, Inc., hereby found to be the "lowest responsible bidder" for the Rio Vista Valve No. 2 Modifications Project for the total sum of \$2,089,672 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 Environmental Construction, Inc., 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 Environmental Construction, Inc. an appropriate Notice to Proceed.





## Castaic Lake Water Agency Memorandum

May 18, 2017

**To:** CLWA Planning and Engineering Committee  
**From:** Brian J. Folsom *BJF*  
Engineering and Operations Manager  
**Subject:** Review of 2017 Long Term Capital Improvement Program

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### SUMMARY AND DISCUSSION

Several studies, including the 2015 Urban Water Management Plan, the 2016 Recycled Water Master Plan Update, the 2017 Emergency and Operational Storage Study, and preparation of the FY 2017/18 Budget, have identified various capital improvement projects needed to ensure reliable water supply, treatment and distribution into the future. Staff will present the draft 2017 long term capital improvement program (CIP) and seek input from the Committee before finalizing the CIP.

BJF

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# Castaic Lake Water Agency

## Projects in Construction

### Monthly Status Report

(Times and Dollar Amounts based on estimated work completed  
through May 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: \$ 0  
Retention: \$ 0  
Estimated Percent of Work Completed: 1%  
Percent Billed: 0%  
Percent Time Elapsed: 6%

Status: Pre-construction meeting held on March 30, 2017. Submittals and RFIs are being submitted and processed

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: \$ 0  
Retention: \$ 0  
Estimated Percent of Work Completed: 0%  
Percent Billed: 0%  
Percent Time Elapsed: 7%

**Status:** Pre-construction meeting was held on April 12, 2017. Contractor to mobilize the week of May 29, 2017. Critical path item submittals and RFI are being reviewed by the design engineer.

**Significant Issues:** None.



**Planning and Engineering Committee  
Planning Calendar  
FY 2016/17**

**ITEM NO.  
5**

	Item	April 4 Comm	April 26 Board	May 2 Comm	May 24 Board	May 30 Comm	June 28 Board
1	Monthly Committee Planning Calendar	C		C		P	
2	CIP Construction Status Report	C		C		P	
3	Conference with Legal Counsel – Anticipated Litigation. Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9 (One Case). CLOSED SESSION	C	C				
4	Review Proposed FY 2017/18 Action Items	C					
5	Review Proposed FY 2017/18 Capital Projects	C	C				
6	Recommend Approval of Amendment to Honby Relocation Agreement	C	C				
7	Presentation on Emergency and Operational Storage Study	C	C				
8	Final Review Proposed FY 2017/18 Minor and Major Capital Projects			C			
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 South End (Phase 2C) Project			C	Moved to FY 2017/18		
10	Update on Quagga Mussels		C				
11	Recommend Approval of Construction Contract for RV-2 Modifications Project					P	P
12	Review of Draft 2017 Long Term Capital Improvement Program					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
1	Monthly Committee Planning Calendar	P		P		P		P		P		P		P		P		P		P		P		P	
2	CIP Construction Status Report	P		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	P	P																						
5	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																						
6	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 West Ranch (Phase 2D) Project	P	P																						
7	Recommend Approval of Groundwater Treatment Project Design	P	P																						
8	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	P																				
9	Recommend Approval of Construction Contract for ESIPS Pipeline Improvements			P	P																				
10	Annual Resolution of Intent to Continue/Modify WSAs and Apportion Annual Capital Budget and Public Hearing					P	P		P																
11	Certify CEQA and Recommend Approval of Work Authorization for Replacement Wells/Dry Year Reliability Wells Design Contract					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
12	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																
13	Recommend Approval of Solicitation of Construction Bids for Groundwater Treatment Improvement Project											P	P												
14	Annual Review of Engineering and Operations Department Policies															P	P								
15	Recommend Approval of Solicitation of Construction Bids for ESFP Washwater Return and Sludge Systems															P	P								
16	Preliminary FY 2018/19 Capital Projects Budget Discussion																	P							
17	Recommend Approval of Construction Bids Solicitation for the Castaic Conduit Pipeline Reaches 1, 2 and 5 Modifications																	P	P						
18	Review Proposed FY 2017/18 Action Items																			P					
19	Review Proposed FY 2017/18 Capital Projects																			P	P				
20	Recommend Approval of Construction Contract for Groundwater Treatment Improvements Project																					P	P		
21	Follow-up Final Review Proposed FY 2018/19 Minor and Major Capital Projects, if needed																					P	P		

C = Completed Item  
P = Planned Item