

February 14, 2017

TO: Planning and Engineering Committee  
Bill Pecs, Chair  
Bill Cooper, Vice Chair  
Tom Campbell  
Dean Efsthathou  
Gary Martin

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

The **Planning and Engineering Committee** is scheduled to meet on **Thursday, February 23, 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 GSE Construction Co., Inc., (2) a Work Authorization to Kennedy/Jenks Consultants for Engineering Services During Construction and (3) a Work Authorization to Vali Cooper & Associates, Inc., for Construction Management Services for the Foothill Feeder Turnout No. CLWA 01 Project
3. \* Recommend Approval of (1) a Resolution Awarding a Construction Contract to Clark Bros. Inc., (2) a Work Authorization to Michael Baker International for Engineering Services During Construction, and (3) a Work Authorization to RMC Water and Environment for Construction Management Services for the Earl Schmidt Filtration Plant Clearwell/CT Improvements Project
4. Preliminary FY 2017/18 Capital Projects Budget Discussion
5. \* Capital Improvements Projects Construction Status Report
6. \* Operations Report
7. \* Committee Planning Calendar
8. General Report on Engineering and Operations Department Activities



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website address: [www.clwa.org](http://www.clwa.org)

9. Adjournment

- \* Indicates attachment
- To be distributed

cc: CLWA Board of Directors  
Joe Byrne

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

February 14, 2017

To: CLWA Planning and Engineering Committee

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

Subject: Recommend Approval of (1) a Resolution Awarding a Construction Contract to GSE Construction Co., Inc., (2) a Work Authorization to Kennedy/Jenks Consultants for Engineering Services During Construction and (3) a Work Authorization to Vali Cooper & Associates, Inc., for Construction Management Services for the Foothill Feeder Turnout No. CLWA 01 Project

### SUMMARY

Construction of a permanent turnout structure known as CLWA-01 consists of a new concrete valve vault equipped with a 36-inch conical plug valve, a new meter vault equipped with a 36-inch magnetic type flow meter, approximately 200 feet of 48-inch associated piping, electrical and supervisory control and data acquisition (SCADA) telemetry equipment. This facility will replace the current temporary connection which would serve as a back-up when the permanent turnout is taken off line for maintenance. The current connection has a maximum capacity of 60 MGD. The new connection will allow the Rio Vista Water Treatment Plant (RVWTP) to receive deliveries at its current permitted operating capacity of 66 MGD and any capacity expansions up to 90 MGD. *(FY 2016/17 Action A5.1: Initiate construction of the permanent raw water connection to Metropolitan Water District Foothill Feeder pipeline.)*

### DISCUSSION

On January 31, 2017, twelve bids were received and opened for the Foothill Feeder Turnout No. CLWA 01 Project. A summary of the bids is presented below:

Bidder	Total Bid Price
GSE Construction Co., Inc.	\$ 2,691,300
J.F. Shea Construction, Inc.	\$ 2,752,900
Canyon Springs Enterprises dba RSH	\$ 2,882,010
Metro Builders & Engineers Group, Ltd.	\$ 3,057,730
MMC Inc.	\$ 3,389,750
Blois Construction, Inc.	\$ 3,400,000
PPC Construction, Inc.	\$ 3,471,445
Zusser Company, Inc.	\$ 3,526,450
Environmental Construction, Inc.	\$ 3,545,958
Union Engineering Company, Inc.	\$ 3,700,600
Ferreira Construction	\$ 4,115,574
Norstar Plumbing & Engineering Inc	\$ 4,789,000

The apparent low bid is from GSE Construction Co., Inc. (GSE), for a total of \$2,691,300. The engineer's estimate for the project is \$3,315,000. Staff and the design consultant, Kennedy/Jenks

Consultants (K/J), have reviewed GSE's proposal and concluded that the bid is complete. Staff has verified that GSE is a properly licensed contractor in the State of California. Staff has been satisfied with other Agency construction projects performed by GSE.

Staff requested the engineering design consultant, K/J, provide a proposal for professional engineering services during construction. K/J's services include attending various construction meetings, performing construction observation site visits, responding to contractor's requests for information and clarifications, reviewing contractor submittals for conformance to the project's technical requirements, reviewing request for quotes, assisting in the stormwater pollution prevention plan implementation, assisting during project start-up and preparing as-built drawings.

Staff also requested Vali Cooper & Associates, Inc. (Vali Cooper), 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 and training activities.

#### CEQA Determination

The environmental effects from the design, construction, and operation of the Foothill Feeder connection were originally evaluated in the RVWTP Expansion Project Final Environmental Impact Report, which was certified by the CLWA Board of Directors on August 23, 2006 (CLWA Resolution No. 2480). The Board also approved the Findings of Fact, the Mitigation Monitoring and Reporting Program, and a Statement of Overriding Considerations for the project. There are no substantial changes to the original project. The previous environmental documentation certified by the Board in conjunction with the proposed action fully complies with CEQA and the State CEQA Guidelines and no further environmental analysis or documentation is required for the Board to act on the proposed action.

#### **FINANCIAL CONSIDERATIONS**

GSE's total construction bid is \$2,691,300. K/J's budget for professional engineering services during construction is \$265,000. Vali Cooper's budget for construction management and inspection services is \$450,000. Both K/J and Vali Cooper's work 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 for this work. The total project budget is \$5,308,000 and the FY 2016/17 project budget amount is \$4,859,000. As of December 31, 2016, project expenditures are \$1,274,341. The project was awarded a \$1,500,000 Proposition 84 Round 2 Implementation Grant from the State Department of Water Resources.

#### **RECOMMENDATIONS**

That the Planning and Engineering Committee recommends that the Board of Directors (1) approve the attached resolution awarding a construction contract to GSE Construction Co., Inc., for construction of the Foothill Feeder Turnout No. CLWA 01 Project for \$2,691,300, (2) authorize the General Manager to execute a work authorization to Kennedy/Jenks Consultants for engineering services during construction for an amount not to exceed \$265,000 and (3) authorize the General Manager to execute a work authorization to Vali Cooper & Associates for construction management services for an amount not to exceed for \$450,000.

JL

Attachment

MLS

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

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE CASTAIC LAKE WATER AGENCY AWARDING  
A CONSTRUCTION CONTRACT TO GSE CONSTRUCTION COMPANY, INC.,  
FOR THE FOOTHILL FEEDER TURNOUT NO. CLWA 01 PROJECT**

**WHEREAS**, all bid proposals submitted to the Castaic Lake Water Agency (Agency) pursuant to the Agency's specifications (Project No. 200905) for the construction of Foothill Feeder Turnout No. CLWA 01 Project, as amended by Addenda, were publicly opened and read at the Agency's offices on Tuesday, January 31, 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 GSE Construction Company, Inc. in the amount of \$2,691,300 is the lowest bid of twelve 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 \$2,691,300 bid; and

**WHEREAS**, the environmental effects from the design, construction, and operation of the Foothill Feeder connection were originally evaluated in the Rio Vista Water Treatment Plant Expansion Project Final Environmental Impact Report, which was certified by the Board on August 23, 2006 (CLWA Resolution No. 2480). The Board also approved the Findings of Fact, the Mitigation Monitoring and Reporting Program, and a Statement of Overriding Considerations for the project. There are no substantial changes to the original project. The previous environmental documentation certified by the Board in conjunction with the proposed action fully complies with CEQA and the State CEQA Guidelines and no further environmental analysis or documentation is required for the Board to act on the proposed action.

**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 GSE Construction Company, Inc., hereby found to be the "lowest responsible bidder" for the Foothill Feeder Turnout No. CLWA 01 Project for the total sum of \$2,691,300, 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 GSE Construction Company, 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 GSE Construction Company Inc. an appropriate Notice to Proceed.

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# Castaic Lake Water Agency

## Memorandum

February 14, 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 Clark Bros. Inc., (2) a Work Authorization to Michael Baker International for Engineering Services During Construction, and (3) a Work Authorization to RMC Water and Environment for Construction Management Services for the Earl Schmidt Filtration Plant Clearwell/CT Improvements Project

### SUMMARY

The Earl Schmidt Filtration Plant (ESFP) Clearwell/CT Improvements Project has been advertised for construction bids. Bids have been received and staff is recommending award of a construction contract. (FY 2016/17 Action A5.3: *Initiate construction of the Earl Schmidt Filtration Plant Clearwell/CT Improvements Project.*)

### DISCUSSION

The Agency is planning to improve the disinfection process at the ESFP. The improvements will include a new disinfection contact basin which will increase the baffling factor from the existing 0.10 to 0.70 or greater. A higher disinfection contact time will maintain regulatory compliance and provide operational flexibility at the ESFP.

On January 25, 2017, thirteen bids were received and opened for construction of the Earl Schmidt Filtration Plant Clearwell/CT Improvements Project. Two bidders subsequently requested to withdraw their bids due to clerical errors. A summary of the bids is presented below:

Bidder	Total Bid Price
Steve P. Rados, Inc.*	\$ 3,890,000
Metro Builders & Engineers Group, Ltd *	\$ 5,461,940
Clark Bros. Inc.	\$ 5,623,745
Gateway Pacific Construction, Inc.	\$ 6,368,422
Environmental Construction Inc.	\$ 6,630,827
Myers and Sons Construction, L.P.	\$ 6,679,000
C.W. Roen Construction Co.	\$ 6,732,000
Pacific Hydrotech Corp.	\$ 7,038,200
GSE Construction Inc.	\$ 7,144,000
Canyon Springs Ent. (RSH)	\$ 7,429,000
Kiewit Infrastructure West Co.	\$ 7,711,000
Los Angeles Engineering, Inc.	\$ 7,827,000
J.F. Shea Construction, Inc.	\$ 8,687,500

\* Contractor requested to withdraw bid

The apparent responsive low bid is from Clark Bros. Inc. (Clark) for a total of \$5,623,745. The engineer's estimate for the project is \$5,641,000. Staff has reviewed Clark's proposal and concluded the bid is complete and the information provided in the bid package is comprehensive and accurate. The bid package did not contain any irregularities or omissions. Staff has verified that Clark is a properly licensed contractor in the State of California and is registered with the Department of Industrial Relations. Staff has contacted a number of Clark's references and has been told its work performance to be satisfactory in all respects.

Staff has also requested the engineering design consultant, Michael Baker International (Baker), provide a proposal for professional engineering services during construction. Baker'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 RMC Water and Environment (RMC) 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 1, Section 15301 of the State CEQA Guidelines. A Notice of Exemption (NOE) was filed with the Los Angeles County Clerk in July 2013 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 2013 NOE (Class 1, Section 15301 of the State CEQA Guidelines) and that no further environmental analysis or documentation is required.

#### **FINANCIAL CONSIDERATIONS**

Clark's total construction bid is \$5,623,745. Baker's budget for professional engineering services during construction is \$177,000. RMC's budget for construction management services is \$734,000. Both Baker and RMC'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 for this work. The total project budget is \$9,047,000 and the FY 2016/17 project budget amount is \$4,056,000. As of December 31, 2016, project expenditures are \$1,082,000.

#### **RECOMMENDATIONS**

That the Planning and Engineering Committee recommends that the Board of Directors accept the withdrawal of two of the submitted construction bids and (1) approve the attached resolution awarding a construction contract to Clark Bros. Inc., for construction of the Earl Schmidt Filtration Plant Clearwell/CT Improvements Project in the amount of \$5,623,745, (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 \$177,000, and (3) authorize the General Manager to execute a work authorization to RMC Water and Environment for construction management services for an amount not to exceed \$734,000.

SB

Attachment

*MB*



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

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE CASTAIC LAKE WATER AGENCY AWARDING  
A CONSTRUCTION CONTRACT TO CLARK BROS. INC.  
FOR THE EARL SCHMIDT FILTRATION PLANT  
CLEARWELL/CT IMPROVEMENTS PROJECT**

**WHEREAS**, all bid proposals submitted to the Castaic Lake Water Agency (Agency) pursuant to the Agency's specifications (Project No. 300105) for the construction of the Earl Schmidt Filtration Plant Clearwell/CT Improvements Project, as amended by Addenda, were publicly opened and read at the Agency's offices on Wednesday, January 25, 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 Clark Bros. Inc. in the amount of \$5,623,745 is the lowest responsible bid of thirteen 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 \$5,623,745 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 July 19, 2013, 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 Clark Bros. Inc., hereby found to be the "lowest responsible bidder" for the Earl Schmidt Filtration Plant Clearwell/CT Improvements Project for the total sum of \$5,623,745 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 Clark Bros. 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 Clark Bros. Inc. 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 February 15, 2017)



## Earl Schmidt Intake Pump Station (ESIPS) Pump No. 3 Project

### **General**

**Capital Project No:** 301002

**Description:** Addition of a third pump at the Earl Schmidt Intake Pump Station.

**Facilities:** Earl Schmidt Intake Pump Station.

**Function:** Enhance pumping capacity and reliability.

**Impacted Facilities:** Earl Schmidt Intake Pump Station.

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

### **Construction Contract Status**

Notice of Award: April 14, 2016  
Notice to Proceed: May 3, 2016  
Calendar Days to Complete: 300  
Days by Change Order or Delays: 0  
Completion Date: February 27, 2017  
Contractor: GSE Construction Company, Inc.  
Original Contract Amount: \$ 543,600  
Amount by Change Order: \$ 7,945.37  
Current Contract Amount: \$ 551,545.37  
Billings to date: \$ 442,401.37  
Retention: \$ 22,120.07  
Estimated Percent of Work Completed: 80%  
Percent Billed: 92%  
Percent Time Elapsed: 96%

**Status:** Pump test was performed during the week of February 6, 2017.

**Significant Issues:** None.

## Newhall Lateral Facility Reach 2B Modifications Project

### **General**

**Capital Project No:** 300321

**Description:** Construction of pipeline modifications to facilitate pipe inspection activities and CCTV inspection of pipeline.

**Facilities:** Newhall Lateral Pipeline.

**Function:** Implementation of the Pipeline Inspection Program.

**Impacted Facilities:** Turnouts N-3, SC-3, V-5, V-6.

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

### **Construction Contract Status**

Notice of Award: August 11, 2016  
Notice to Proceed: October 10, 2016  
Calendar Days to Complete: 170  
Days by Change Order or Delays: 30  
Completion Date: March 28, 2017  
Contractor: GSE Construction Company, Inc.  
Original Contract Amount: \$ 440,100  
Amount by Change Order: \$ 3,438.00  
Current Contract Amount: \$ 443,538  
Billings to date: \$ 191,617.00  
Retention: \$ 9,930.85  
Estimated Percent of Work Completed: 59%  
Percent Billed: 45%  
Percent Time Elapsed: 75%

**Status:** GSE installed three manway assemblies and one new valve.

**Significant Issues:** None.

## RVWTP Ozone Collection System Modifications Project

### **General**

**Capital Project No:** 300017

**Description:** Construction of ozone off-gas improvements to eliminate collection of ozone gas upstream of the Ozone Injection Station.

**Facilities:** RVWTP.

**Function:** Eliminate release of nuisance ozone off-gas.

**Impacted Facilities:** RVWTP.

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

### **Construction Contract Status**

Notice of Award: October 13, 2016  
Notice to Proceed: November 16, 2016  
Calendar Days to Complete: 144  
Days by Change Order or Delays: 0  
Completion Date: April 8, 2017  
Contractor: GSE Construction Company, Inc.  
Original Contract Amount: \$ 169,975  
Amount by Change Order: \$ 0  
Current Contract Amount: \$ 169,975  
Billings to date: \$ 0  
Retention: \$ 0  
Estimated Percent of Work Completed: 89%  
Percent Billed: 0%  
Percent Time Elapsed: 63%

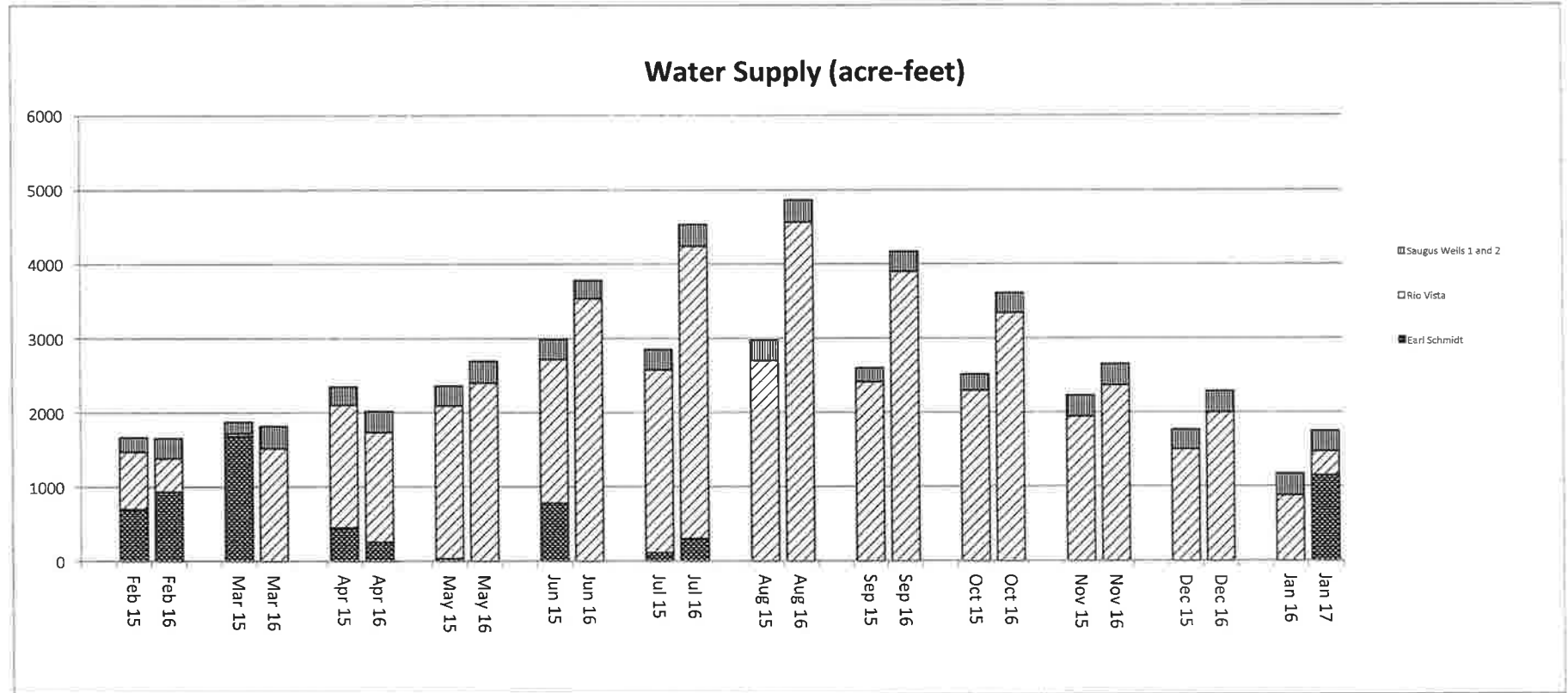
Status: GSE successfully tested all improvements that required the shutdown of RVWTP on February 10, 2017.

**Significant Issues:** None.

February 15, 2017

**CASTAIC LAKE WATER AGENCY**  
February 2017 Operations Report

**ITEM NO.**  
**6**

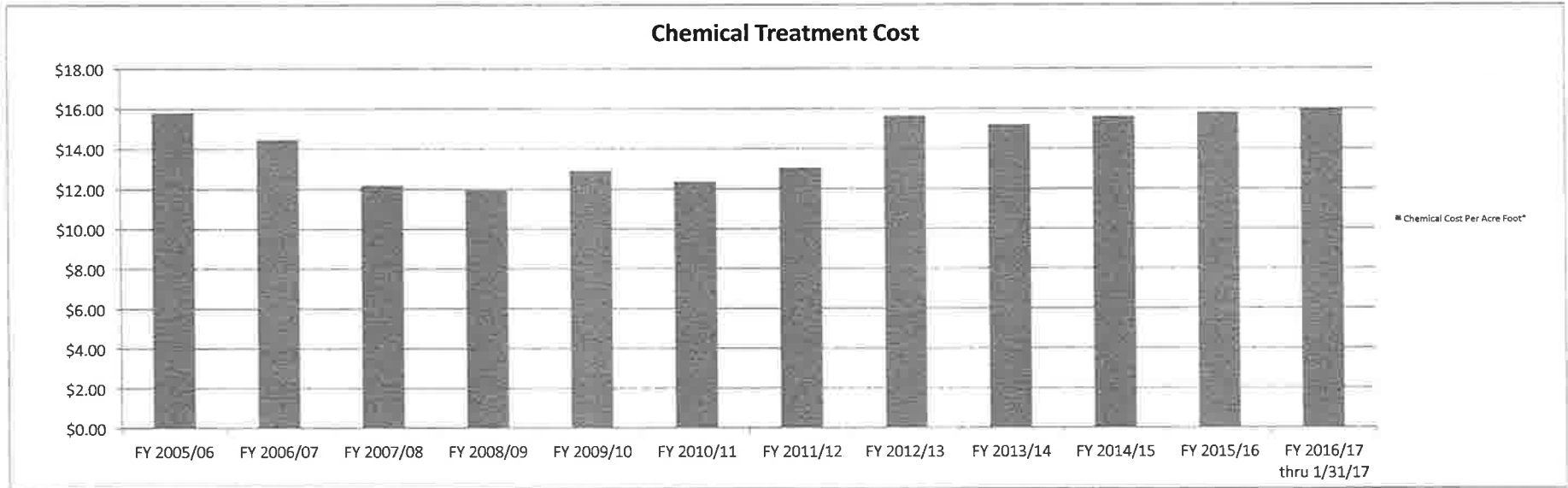


Source	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Total
Earl Schmidt	935	0	258	0	0	301	0	0	0	0	0	1145	2639
Rio Vista	449	1520	1478	2400	3540	3943	4569	3898	3347	2368	2001	325	29838
Saugus 1 and 2	277	300	289	297	241	292	297	272	268	288	289	276	3386
<b>Total</b>	<b>1661</b>	<b>1820</b>	<b>2025</b>	<b>2697</b>	<b>3781</b>	<b>4536</b>	<b>4866</b>	<b>4170</b>	<b>3615</b>	<b>2656</b>	<b>2290</b>	<b>1746</b>	<b>35863</b>
<b>Total Sold</b>	<b>1622</b>	<b>1804</b>	<b>1888</b>	<b>2645</b>	<b>3721</b>	<b>4447</b>	<b>4770</b>	<b>4171</b>	<b>3579</b>	<b>2612</b>	<b>2231</b>	<b>1735</b>	<b>35225</b>
RVWTP Use/Storage	7	12	39	35	39	26	32	38	66	43	12	52	401
<b>Total Use</b>	<b>1629</b>	<b>1816</b>	<b>1927</b>	<b>2680</b>	<b>3760</b>	<b>4473</b>	<b>4802</b>	<b>4209</b>	<b>3645</b>	<b>2655</b>	<b>2243</b>	<b>1787</b>	<b>35626</b>
Water Loss	-1.93%	-0.22%	-4.84%	-0.63%	-0.56%	-1.39%	-1.32%	0.94%	0.83%	-0.04%	-2.05%	2.35%	-0.66%
<b>Recycled Water</b>	<b>Feb-16</b>	<b>Mar-16</b>	<b>Apr-16</b>	<b>May-16</b>	<b>Jun-16</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Total</b>
Valencia	26	16	43	51	67	80	72	61	40	22	12	5	495

\* Water loss includes water usage at Rio Vista Water Treatment Plant facilities and system storage.

**Treatment Process  
January 2017**

	Perchlorate Raw Water	Perchlorate Finished Water	Raw NTU	Treated NTU	Percent Reduction	Raw Ph	Adjusted pH	Ferric Chloride Dosage	Polymer Dosage	Chlorine Dosage	Ammonia Dosage	Ozone Dosage
Rio Vista			2.14	0.06	97%	7.5	8.1	1.55 mg/L	0.75 mg/L	3.0 mg/L	0.60 mg/L	0.80 mg/L
Earl Schmidt			2.11	0.05	97%	7.6	8.0	1.50 mg/L	0.75 mg/L	3.0 mg/L	0.60 mg/L	0.80 mg/L
Saugus 1 and 2	22 ug/L	Non-Detect				7.0	7.3			3.0 mg/L	0.60 mg/L	

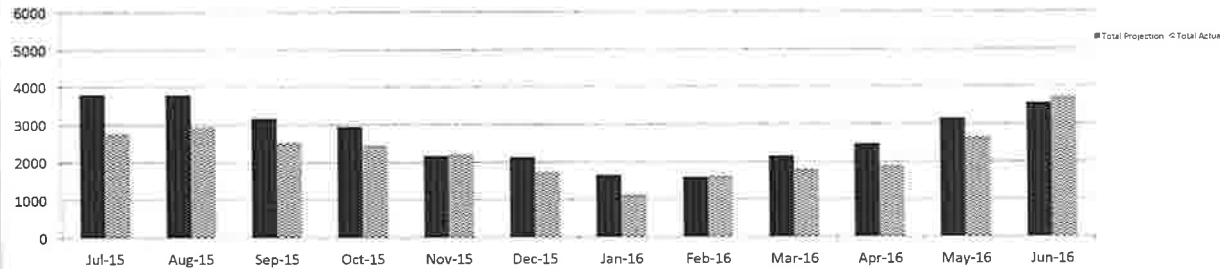


	FY 2005/06	FY 2006/07	FY 2007/08	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17 thru 1/31/17
Acre Feet Treated Imported Water	40,505	44,493	44,732	38,275	34,610	33,441	35,653	41,504	44,909	30,571	27,456	<b>23,467</b>
Chemical Cost Per Acre Foot*	\$15.81	\$14.46	\$12.19	\$11.95	\$12.89	\$12.35	\$13.04	\$15.62	\$15.20	\$15.60	\$15.80	<b>\$16.00</b>

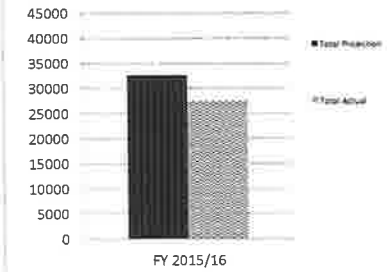
\* The cost per acre foot includes all chemicals used the treatment process: Chlorine Gas, Sodium Hypochlorite, Caustic Soda (Sodium Hydroxide), Ferric Chloride, Ammonia, and Cationic, non-ionic, and anionic polymers as well as the cost of liquid Oxygen, but does not include the electrical costs to produce the Ozone.



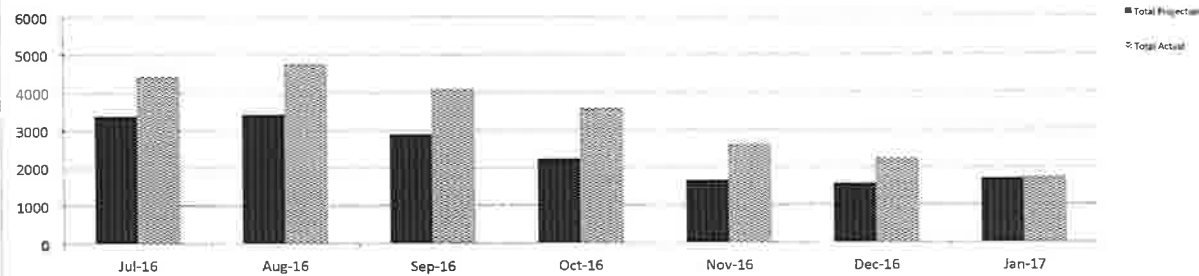
**FY 2015/16 Purveyor Projections vs. Actual (acre-feet)**



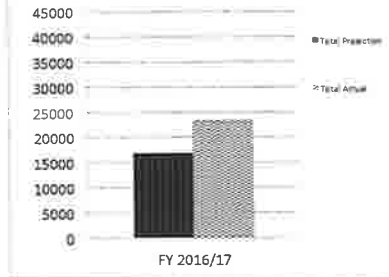
**FY 2015/16 Purveyor Projections vs. Actual (acre-feet)**



**FYTD 2016/17 Purveyor Projections vs. Actual (acre-feet)**



**FYTD 2016/17 Purveyor Projections vs. Actual (acre-feet)**



**Purveyor Projections vs. Actual**

Month	SCWD Projection	SCWD Actual	%	Valencia Projection	Valencia Actual	%	Newhall Projection	Newhall Actual	%	LA County Projection	LA County Actual	%	Total Projection	Total Actual	Percentage of Estimate
Jul-15	2227	1731	78%	1100	690	63%	482	347	72%	0	0	0	3809	2768	73%
Aug-15	2225	1800	81%	1100	773	70%	471	373	79%	0	0	0	3796	2946	78%
Sep-15	1862	1615	87%	900	582	65%	411	325	79%	0	0	0	3173	2522	79%
Oct-15	1682	1629	97%	880	550	63%	391	276	71%	0	0	0	2953	2455	83%
Nov-15	1316	1427	108%	500	547	109%	351	233	66%	0	0	0	2167	2207	102%
Dec-15	1136	1180	104%	780	364	47%	211	199	94%	0	0	0	2127	1743	82%
Jan-16	955	829	87%	440	157	36%	261	148	57%	0	0	0	1656	1134	68%
Feb-16	950	1060	112%	400	366	92%	241	194	80%	0	0	0	1591	1620	102%
Mar-16	1136	1185	104%	750	412	55%	261	206	79%	0	0	0	2147	1803	84%
Apr-16	1305	1176	90%	920	462	50%	241	250	104%	0	0	0	2466	1888	77%
May-16	1863	1612	87%	1000	715	72%	281	319	114%	0	0	0	3144	2646	84%
Jun-16	2043	1936	95%	1220	1376	113%	291	412	142%	0	0	0	3554	3724	105%
<b>FY 2015/16</b>	<b>18700</b>	<b>17180</b>	<b>92%</b>	<b>9990</b>	<b>6994</b>	<b>70%</b>	<b>3893</b>	<b>3282</b>	<b>84%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32583</b>	<b>27456</b>	<b>84%</b>
Jul-16	2050	2404	117%	900	1565	174%	332	478	144%	100	0	0	3382	4447	131%
Aug-16	2075	2663	128%	880	1640	186%	352	467	133%	120	0	0	3427	4770	139%
Sep-16	1700	2368	139%	780	1305	167%	312	418	134%	100	0	0	2892	4091	141%
Oct-16	1250	2128	170%	635	1080	170%	262	372	142%	90	0	0	2237	3580	160%
Nov-16	850	1712	201%	490	607	124%	232	293	126%	85	0	0	1657	2612	158%
Dec-16	1000	1377	138%	365	620	170%	192	234	122%	0	0	0	1557	2231	143%
Jan-17	850	952	112%	645	643	100%	202	141	70%	0	0	0	1697	1736	102%
<b>FY 2016/17</b>	<b>9775</b>	<b>13604</b>	<b>139%</b>	<b>4695</b>	<b>7460</b>	<b>159%</b>	<b>1884</b>	<b>2403</b>	<b>128%</b>	<b>495</b>	<b>0</b>	<b>0</b>	<b>16849</b>	<b>23467</b>	<b>139%</b>

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

**ITEM NO.**

**7**

	Item	July 13 Board	July 28 Comm	Aug 10 Board	Aug 25 Comm	Sept 14 Board	Sept 29 Comm	Oct 12 Board	Oct 27 Comm	Nov 9 Board	Nov 24 Comm	Dec 14 Board	Dec 29 Comm	Jan 11 Board	Jan 26 Comm	Feb 8 Board	Feb 22 Board	Feb 23 Comm	Mar 8 Board	Mar 23 Comm	April 12 Board	April 27 Comm	May 10 Board	May 25 Comm	June 14 Board	June 29 Comm
1	Monthly Operations Report				C		C						C		C			P		P		P		P		P
2	Monthly Committee Planning Calendar				C		C						C		C			P		P		P		P		P
3	CIP Construction Status Report				C		C						C		C			P		P		P		P		P
4	Recommend Approval of Construction Bids Solicitation for RVWTP Ozone Gas Collection System Modifications	C	CANCELLED						CANCELLED		CANCELLED					CANCELLED										
5	Update on purveyor interconnections and standby sources	C	CANCELLED						CANCELLED		CANCELLED					CANCELLED										
6	Recommend Approval of a Resolution Awarding a Construction Contract for Newhall Lateral Reach 2B Facility Modifications		CANCELLED	C					CANCELLED		CANCELLED					CANCELLED										
7	Recommend Approval of Design Services for ESIPS Pipeline Improvements				C	C										CANCELLED										
8	Recommend Approval of Construction Contract for RVWTP Ozone Gas Collection System Modifications		CANCELLED				C	C	CANCELLED		CANCELLED					CANCELLED										
9	Recycled Water Program Update - Recycled Water Master Plan and Phase 2 Projects		CANCELLED				C	C	CANCELLED		CANCELLED					CANCELLED										
10	Approve Revision to General Manager's Authority to Grant/Accept Easements		CANCELLED				C	C	CANCELLED		CANCELLED					CANCELLED										
11	Adopt Annual Resolution of Intent to Continue WSAs and Public Hearing						C	C		C						CANCELLED										
12	Conference with Legal Counsel. Anticipated Litigation (Section 54956.9) - CLOSED SESSION		CANCELLED						CANCELLED		CANCELLED		C	C		CANCELLED										
13	Review Engineering and Operations Department Policies		CANCELLED						CANCELLED		CANCELLED				C	CANCELLED										
14	Recommend Approval of Construction Bids Solicitation for ESIPS Pipeline Improvements		CANCELLED						CANCELLED		CANCELLED				C	CANCELLED	P									
15	Update on Quagga Mussels		CANCELLED						CANCELLED		CANCELLED			C	C	CANCELLED	P							P	P	

**Planning and Engineering Committee**  
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16	Recommend Approval of Foothill Feeder Construction Contract																	P	P							
17	Recommend Approval of Construction Contract for ESFP Clearwell CT Improvements																	P	P							
18	Preliminary FY 2017/18 Capital Projects Budget Discussion		C A N C E L L E D						C A N C E L L E D		C A N C E L L E D						C A N C E L L E D	P								
19	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 A N C E L L E D		C A N C E L L E D						C A N C E L L E D			P	P					
20	Review Proposed FY 2017/18 Action Items								C A N C E L L E D		C A N C E L L E D						C A N C E L L E D			P						
21	Recommend Approval of a Resolution Adopting a Mitigated Negative Declaration, Final Design, and cost sharing for the Recycled Water Program Phase 2B Project between CLWA and SCWD								C A N C E L L E D		C A N C E L L E D						C A N C E L L E D			P	P					
22	Review Proposed FY 2017/18 Capital Projects		C A N C E L L E D						C A N C E L L E D		C A N C E L L E D						C A N C E L L E D			P	P					
23	Recommend Approval of Amendment to Honby Relocation Agreement								C A N C E L L E D		C A N C E L L E D						C A N C E L L E D			P	P					
24	Conference with Real Property Negotiators (Section 54956.8). RVWTP Tank Site Cell Lease - Verizon (27234 Bouquet Canyon Road, Santa Clarita, CA 91350) . CLOSED SESSION								C A N C E L L E D		C A N C E L L E D						C A N C E L L E D			P	P					
25	Conference with Real Property Negotiators (Section 54956.8). RVWTP Tank Site Cell Lease - T-Mobile (27236 Bouquet Canyon Road, Santa Clarita, CA 91350) . CLOSED SESSION		C A N C E L L E D						C A N C E L L E D		C A N C E L L E D						C A N C E L L E D					P	P			
26	Final Review Proposed FY 2017/18 Minor and Major Capital Projects and Action Items								C A N C E L L E D		C A N C E L L E D						C A N C E L L E D					P	P			

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27	Recommend Approval of Construction Contract for RV-2 Modifications Project		C						C															P	P	
28	Recommend Approval of Construction Contract for SPTF Pressure Sustaining Modifications		C						C															P	P	
29	Follow-up Final Review Proposed FY 2017/18 Minor and Major Capital Projects, if needed		E						E															P	P	
30	Certify CEQA and Recommend Approval of Replacement Wells/Dry Year Reliability Wells Design Contracts		L						L															P	P	
31	Adopt 2016 Recycled Water Master Plan Update and Certify CEQA		D						D															P	P	
32	Recommend Approval of a Resolution Adopting a Mitigated Negative Declaration, Final Design, and cost sharing for the Recycled Water Program Phase 2A Project between CLWA and SCWD		C						C															P	P	
33	Recommend Approval of a Resolution Adopting a Mitigated Negative Declaration, Final Design, and cost sharing for the Recycled Water Program Phase 2C Project between CLWA and SCWD		E						E															P	P	
34	Recommend Approval of a Resolution Adopting a Mitigated Negative Declaration, Final Design, and cost sharing for the Recycled Water Program Phase 2D Project between CLWA and VWC		L						L															P	P	

C = Completed Item  
P = Planned Item

\* Contract Within GM Authority - No Board Approval Needed