

CALAVERAS PUBLIC UTILITY DISTRICT
506 W. Saint Charles Street, San Andreas, CA 95249

TUESDAY, June 9, 2020

7:00pm

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Office at (209) 754-9442. Notification in advance of the meeting will enable CPUD to make reasonable arrangements to ensure accessibility to this meeting. Any documents that are made available to the Board before or at the meeting, not privileged or otherwise protected from disclosure, and related to agenda items, will be made available at CPUD for review by the public.

1. Roll Call and Pledge of Allegiance

2. Public Comment (Limit: 3 min/person)

At this time, members of the public may address the Board on any matter within its jurisdiction which is not on the agenda. The public is encouraged to work with staff to place items on the agenda for Board consideration. No action can be taken on matters not listed on the agenda. Comments are limited to 3 minutes per person.

3. Approval of Consent Calendar

- a. Minutes for Regular Meeting of May 12, 2020
- b. Minutes for Special Meeting of May 27, 2020
- c. Minutes for Special Meeting of June 1, 2020
- d. System Totals Report for May 2020 (formerly Directors Report)
- e. Maintenance Report for May 2020
- f. Water Report for May 2020

4. Financial Business

- a. Approval of Claim Summary #740
- b. FY 2020/21 Preliminary Budget Report

5. State Revolving Fund (SRF) Planning Grant Application Package for Water Treatment Plant Improvement Projects

- a. Consideration of Resolution 2020-10: Authorizing Resolution
- b. Workshop Preparation

6. Court Street Line Replacement Project

- a. Consideration of Resolution 2020-11: A Resolution Authorizing the General Manager to Execute a Construction Agreement for the Court Street Line Replacement Project

7. Update: COVID-19 Pandemic

8. Consideration for Approval: Auditor Services Contract with Larry Bain, CPA for FY 2019/20

9. California Rural Water Association (CRWA) Prop 1 Leak Detection Program Report

10. Update: 2019 FEMA Storm Damage Repair Projects

11. Staff Reports

- a. General Manager's Report
- b. Legal Counsel Report
- c. Engineer's Report

CALAVERAS PUBLIC UTILITY DISTRICT

506 W. Saint Charles Street, San Andreas, CA 95249

12. Board Members Report

- a. Director Lavaroni – LAFCO Meeting Reminder (7/20/20)
- b. Director Blood – UMRWA Meeting Reminder (7/24/20)

13. Adjournment (Next Regular Meeting on July 14, 2020 at 7:00pm)

Approval of Consent Calendar

If an item is requested for removal from the Consent Calendar, it should be reflected prior to action being taken. The items will be discussed independently upon approval of remaining Consent Calendar items.

- a. Minutes for Regular Meeting of May 12, 2020
- b. Minutes for Special Meeting of May 27, 2020
- c. Minutes for Special Meeting of June 1, 2020
- d. System Totals Report for May 2020 (formerly Directors Report)
- e. Maintenance Report for May 2020
- f. Water Report for May 2020

Recommended Action: Approval of Consent Calendar

Motion 1st _____, 2nd _____, Carried _____

Regular Meeting

7:00 P.M.

MEMBERS PRESENT: J.W. Dell'Orto
Clifford Overmier
Richard Blood
John Lavaroni
Scott Speer

MEMBERS ABSENT: None

STAFF PRESENT: Donna Leatherman, General Manager
Kate Jesus, Administrative Account Assistant
Adam Brown, Legal Counsel
Matt Ospital, District Engineer, Weber, Ghio & Associates
Tyla Daries, Engineering Technician, Weber, Ghio & Associates

OTHERS PRESENT: Alan Driscoll, Forsgren Associates

1. ROLL CALL AND PLEDGE OF ALLEGIANCE: The regular meeting was called to order by President Dell'Orto at 7:00pm via teleconference. Directors Dell'Orto, Overmier, Blood and Speer were present. Director Lavaroni was absent.

2. PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject): None.

3. APPROVAL OF CONSENT CALENDAR:

a. Minutes for Regular Meeting of April 14, 2020: A motion was made by Director Overmier, seconded by Director Speer, to approve the minutes for Regular Meeting of April 14, 2020 as presented. A roll call vote was taken. Motion carried 4-0-1.

b. Directors Report for April 2020: A motion was made by Director Overmier, seconded by Director Blood, to approve the Directors Report for April 2020 as presented. A roll call vote was taken. Motion carried 4-0-1.

Director Lavaroni arrived at 7:10pm.

c. Maintenance Report for April 2020: Director Blood inquired about the air leaks at the Treatment Plant; the General Manager stated that several air leaks may have contributed to the failure of the compressor. Director Overmier asked about the average number of USA tickets; the General Manager clarified. A motion was made by Director Speer, seconded by Director Blood, to approve the Maintenance Report for 2020 as presented. A roll call vote was taken. Motion carried 5-0.

d. Water Report for April 2020: President Dell'Orto inquired about the difference in water sold and treated. The General Manager stated that the last few days of April were larger consumption days and weren't included in this month's water sold figure. A motion was made by Director Overmier, seconded by Director Speer, to approve the Water Report for April 2020 as presented. A roll call vote was taken. Motion carried 5-0

4. FINANCIAL BUSINESS:

a. Approval of Claim Summary #739: Director Overmier commented on the invoice for Hill, Rivkins Brown & Associates; Adam Brown stated that the invoice was for March and April. The General Manager would follow up with clarification. Director Dell'Orto inquired about the Timbertech Tree service and if there would be additional invoices; the General Manager stated that there is one tree left at Garamendi Hydro for removal and work will be contracted with a different vendor. A motion was made by Director Lavaroni, seconded by Director Overmier, to approve Claim Summary #739 in the amount of \$237,417.16 as presented. A roll call vote was taken. Motion carried 5-0

b. 3rd Quarter Investment Report: A motion was made by Director Speer, seconded by Director Lavaroni, to approve the 3rd Quarter Investment Report as presented. A roll call vote was taken. Motion carried 5-0.

c. 3rd Quarter Budget Report: The General Manager gave a brief review of the report including the pending costs for capital improvement projects for fiscal year 2019/20. Director Speer commented on the subscription for Diamond Maps. The General Manager stated that it is a very useful tool for the District. A motion was made by Director Speer, seconded by Director Overmier, to approve the 3rd Quarter Budget Report as presented. A roll call vote was taken. Motion carried 5-0.

5. UPDATE: COVID-19 PANDEMIC: The General Manager provided an update on the District's response to the pandemic including the financial impact from waiving late charges, staffing impacts and the office reopening to the public on Monday, May 11th. She reported that FEMA is conducting webinars for possible cost reimbursement due to the COVID-19 pandemic.

6. CONSIDERATION FOR APPROVAL: DAM SAFETY RELATED PROFESSIONAL SERVICES AGREEMENT WITH GEI CONSULTANTS:

- a. Consideration for Approval of Professional Services Agreement with GEI Consultants
- b. Task Order No. 01-2020 – Chief Dam Safety Engineer (CDSE) Services

The proposal was presented at the April Board meeting for consideration in the General Manager's Report and Director Blood requested it be agendaized at the May meeting. The General Manager gave a brief review of the Professional Services Agreement. Additionally, Task Order 01-2020 was included for consideration of Chief Dam Safety Engineering services. Director Blood asked if future task orders would be presented to the Board for approval; the General Manager stated that future task orders would be presented to the Board for approval. Director Blood requested copies of the February and November 2019 letters from FERC; the General Manager acknowledged his request. Director Speer asked if the cost related to the task order fit in the current fiscal year budget; the General Manager confirmed. Director Blood asked if the District would be continuing to work with Mead & Hunt; the General Manager stated that the District would continue to use Mead & Hunt until the outstanding task orders were complete. Director Blood also inquired if GEI services would include support at other District dam sites; the General Manager confirmed. A motion was made by Director Overmier, seconded by Director Lavaroni, to approve the Professional Services Agreement with GEI Consultants and Task Order No. 01-2020 – Chief Dam Safety Engineer (CDSE) Services. A roll call vote was taken. Motion carried 5-0.

7. UPDATE: COURT STREET LINE REPLACEMENT PROJECT: The General Manager reported three contractors attended the pre-bid meeting on May 5th. Director Lavaroni asked which contractors attended; the General Manager stated Cole Tiscornia Construction, Ford Construction and Campbell Construction. Bids are due on June 2nd to be considered at the June 9th Board meeting. The tentative project start date is June 22, 2020.

8. CONSIDERATION FOR APPROVAL: STATE REVOLVING FUND (SRF) PLANNING GRANT APPLICATION PACKAGE FOR WATER TREATMENT PLANT IMPROVEMENT PROJECTS: The General Manager gave a brief review of the background related to the pending SRF Planning Application Grant Package and the Board reviewed a memorandum and list of improvements presented by the District Engineer, Matt Ospital. Director Blood expressed concerns with the list of improvements and suggested adding other projects. He also recommended submitting the application package without the list as it may not be completely accurate. The General Manager recommended that Board workshops be held to discuss details of the projects. Director Blood stated that he had requested an Ad Hoc Committee be established at the March Board meeting which was postponed until May. Director Blood continued to discuss details of current and future projects suggesting an Ad Hoc Committee be established. President Dell'Orto stated that details for these projects would be addressed at the Board workshops as recommended. A motion was made by Director Lavaroni, seconded by Director Speer, for approval to submit the SWRCB State Revolving Fund (SRF) Planning Grant Application Packet for Water Treatment Plant Improvement Projects with future Board workshops to review projects. A roll call vote was taken. Directors Dell'Orto, Overmier, Speer and Lavaroni voted yes. Director Blood voted no. Motion carried 4-1.

9. REPORT: 2019 FEMA STORM DAMAGE REPAIR PROJECTS: The Board was presented with a list of projects, drawings and estimated project schedule for review.

10. DISCUSSION AND POSSIBLE ACTION: SCHEDULE SPECIAL MEETING OF THE BOARD OF DIRECTORS: Due to the COVID-19 situation, the previous Special Meeting to continue negotiations with SEIU Local 1021 scheduled for March 18th was cancelled. The General Manager recommended rescheduling for either May 26th or May 27th. The Board scheduled a Special Meeting on Wednesday, May 27, 2020 at 6:00pm.

11. STAFF REPORTS:

- a. General Manager's Report: The General Manager gave a recap of the report which included the promotion of District employee, Wyatt Rovera, to Interim Chief Treatment Plant Operator effective May 1st and the return of former District employee, Mathew Roberts to fill the vacancy of Water System Superintendent. She also reported on the status of the Operations Plan update, South Fork Pump Station pump and motor repair, pending repair to Red Hawk reservoir, update to the CRWA Leak Detection Program, Jeff Davis and Middle Fork EAP's, status of the repair of Schaads hydro, and billing and accounting software updates. President Dell'Orto commented on the possible push-back from the resident at Red Hawk reservoir; the General Manager stated that the District had been in contact with them and addressed their concerns.
- b. Legal Counsel Report: Nothing to report.
- c. Engineer's Report: The Board reviewed the report.

12. BOARD MEMBERS REPORT

- a. Director Lavaroni – LAFCO Meeting Report (4/20/20) – Nothing to report.
- b. Director Blood – UMRWA Meeting Report (4/24/20) – Director Blood stated that the annual dues for UMRWA would be decreasing by 25%. The General Manager inquired about the status of the MAC Plan project updates; Director Blood stated that a conference call will be scheduled.

13. ADJOURNMENT (Next Regular Meeting on June 9, 2020): As there was no further business to come before the Board, a motion was made by Director Overmier, seconded by Director Lavaroni, to adjourn the meeting at 9:34 p.m. A roll call vote was taken. Motion carried 5-0.

Respectfully submitted,

Kate Jesus, Administrative Account Assistant

Special Meeting

6:00 P.M.

MEMBERS PRESENT: J.W. Dell’Orto
Clifford Overmier
Richard Blood
John Lavaroni

MEMBERS ABSENT: Scott Speer

STAFF PRESENT: Donna Leatherman, General Manager
Adam Brown, Legal Counsel

OTHERS PRESENT: None

1. ROLL CALL AND PLEDGE OF ALLEGIANCE: The special meeting was called to order by President Dell’Orto at 6:04pm. Directors Dell’Orto, Overmier, Blood and Lavaroni were present. Director Speer was absent.

2. PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject): None.

3. CLOSED SESSION

a. Personnel Matters

Update on Negotiations with SEIU Local 1021 (Government Code § 54957.6)

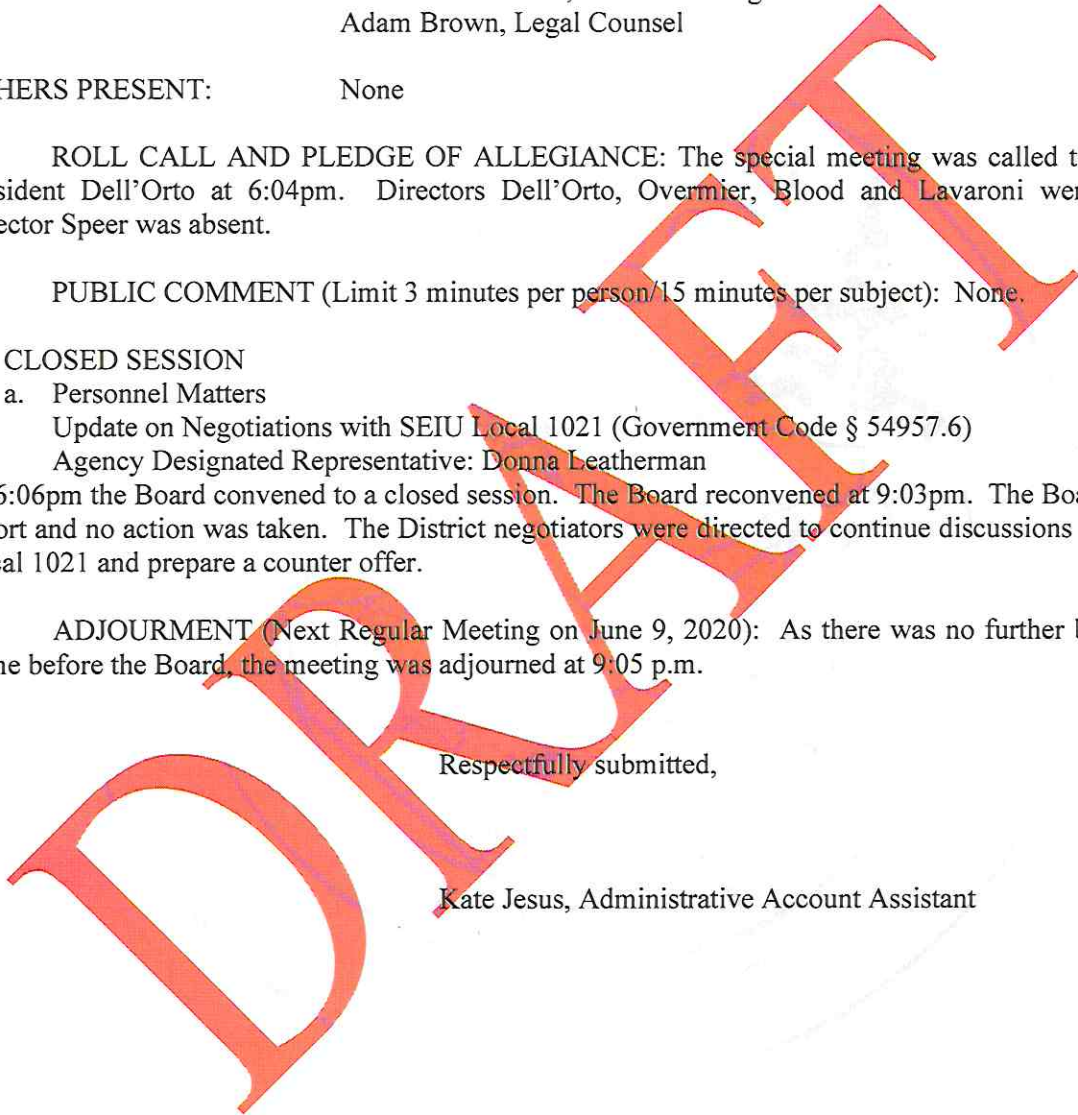
Agency Designated Representative: Donna Leatherman

At 6:06pm the Board convened to a closed session. The Board reconvened at 9:03pm. The Board heard a report and no action was taken. The District negotiators were directed to continue discussions with SEIU Local 1021 and prepare a counter offer.

4. ADJOURNMENT (Next Regular Meeting on June 9, 2020): As there was no further business to come before the Board, the meeting was adjourned at 9:05 p.m.

Respectfully submitted,

Kate Jesus, Administrative Account Assistant



Special Meeting

5:00 P.M.

MEMBERS PRESENT: J.W. Dell’Orto
Clifford Overmier
John Lavaroni

MEMBERS ABSENT: Scott Speer
Richard Blood

STAFF PRESENT: Donna Leatherman, General Manager
Kate Jesus, Board Secretary
Adam Brown, Legal Counsel

OTHERS PRESENT: None

1. ROLL CALL AND PLEDGE OF ALLEGIANCE: The special meeting was called to order by President Dell’Orto at 5:01pm. Directors Dell’Orto, Overmier, and Lavaroni were present. Director Speer and Blood were absent.
2. PUBLIC COMMENT (Limit 3 minutes per person/15 minutes per subject): None.
3. CONSIDERATION OF RESOLUTION 2020-9: A RESOLUTION CALLING GENERAL DISTRICT ELECTION: The General Manager reported that Directors Overmier, Speer and Dell’Orto were up for election and the candidate filing period is July 13th through August 7th. A motion was made by Director Lavaroni, seconded by Director Overmier, to approve Resolution 2020-9: A Resolution Calling General District Election. A roll call vote was taken. Directors Dell’Orto, Overmier, and Lavaroni voted yes. Motion carried 3-0-2.
4. ADJOURNMENT (Next Regular Meeting on June 9, 2020): As there was no further business to come before the Board, a motion was made by Director Overmier, seconded by Director Lavaroni, to adjourn the meeting at 5:06 p.m. Motion carried 3-0-2.

Respectfully submitted,

Kate Jesus, Administrative Account Assistant

System Totals Report

Calaveras P.U.D.

Water Sold This Month

21,001,215 Gallons

	Amount (\$)	# Of Accounts
Total Water	159,745.16	1,905
Total Late Charge	1,980.00	66
Total Adjustments	-1,840.07	75
Total New Acct Fee	280.00	8
Total Service Call Out	140.00	4
Total Current Charges	160,305.09	1,905
<hr/>		
Amount Past Due 1-30 Days	12,620.91	173
Amount Past Due 31-60 Days	2,034.19	34
Amount Past Due Over 60 Days	6,520.44	24
Amount Of Overpayments/Prepayments	-20,928.32	287
Total Receivables	160,552.31	1,844
Total Receipts On Account	149,925.01	1,667
Net Change in Deposits	0.00	0
Amount of All Deposits	0.00	
Turned Off Accounts (Amount Owed)	5,277.88	153
Collection Accounts (Amount Owed)	5,277.88	153
Number Of Unread (Turned On) Meters		1
Average Usage For Active Meters	10,984	1,912
Average Water Charge For Active Meters	83.86	1,905

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		42	5,820,613	27.72	16.19
40,001-50,000		23	1,021,590	4.86	2.71
30,001-40,000		38	1,280,841	6.10	3.25
20,001-30,000		97	2,352,633	11.20	6.70
10,001-20,000		364	4,916,221	23.41	19.39
8,001-10,000		133	1,186,516	5.65	6.08
6,001-8,000		246	1,706,466	8.13	9.88
4,001-6,000		297	1,472,955	7.01	11.02
2,001-4,000		322	973,511	4.64	11.97
1-2,000		300	269,865	1.29	11.08
Zero Usage		50	0	0.00	1.72
<hr style="border-top: 1px dashed black;"/>					
Total Meters		1,912	21,001,211	100.00	100.00

Monthly Maintenance Report

May 2020

LOCATION	DESCRIPTION OF WORK	STATUS
Jeff Davis WTP	Monthly operation and maintenance	Complete
	Routine water sampling and State reporting, WTP in compliance	Complete
	Compressor #2 failure	Pending
	Repair air leaks throughout WTP	Pending
	Air dryer plumbing	Complete
	ERS spray arm replacement on filter 5	Complete
Warehouse Shop	Leak in office building	Pending
	Replace cord on Tsurmi sump pump	Complete
	Bid CPPA Project	Pending
South Fork Pump Station	Weekly routine checks	Complete
	Pump and motor rebuild (RF MacDonald)	Pending
Schaads Reservoir	Weekly checks	Complete
	Pull turbine/motor; evaluate actuators (Martech)	Pending
	PG&E, FERC, FEMA tree/vegetation removal	Complete
Glencoe Pump Station	Weekly checks - routine monitoring	Complete
Ponderosa PRV Hydro	Weekly checks - routine monitoring	Complete
	Motor/turbine rebuild	Complete
	Electrical panel upgrade (Henwood)	Complete
	PG&E (ACRT) tree/vegetation removal	Complete
MCV PRV Hydro	Weekly checks - routine monitoring	Complete
	Road maintenance required	Pending
Garamendi's PRV Hydro	Weekly checks - routine monitoring	Complete
	PG&E, ACRT tree/vegetation removal	Pending
	Electrical panel upgrade (Henwood)	Complete
San Andreas Distribution	Routine operations, sampling	Complete
	Repair 3/4" steel service line at 511 Toyanza Drive	Complete
	Gold Strike pressure station rebuild	Pending
	Angels Rd. leak repair	Complete
	Repair 3/4" steel service line at 511 Toyanza Drive	Pending
	GPS and meter checks	Ongoing
	Church Hill Rd. 10" main leak repair	Complete
Moke Hill Distribution	Routine operations, sampling	Complete
	Church St. 6" leak repair	Complete
Glencoe Distribution	Routine operations	Complete
	Investigate exposed raw water line at Burnham Road	Pending
Paloma Distribution	Routine operations, sampling	Complete
	Investigate new service	Pending
Rail Road Flat Distribution	Routine operations, sampling	Complete
	Red Hawk drawdown for tree removal (DSOD/FEMA)	Pending
Safety	COVID-19	Ongoing

Monthly Maintenance Report

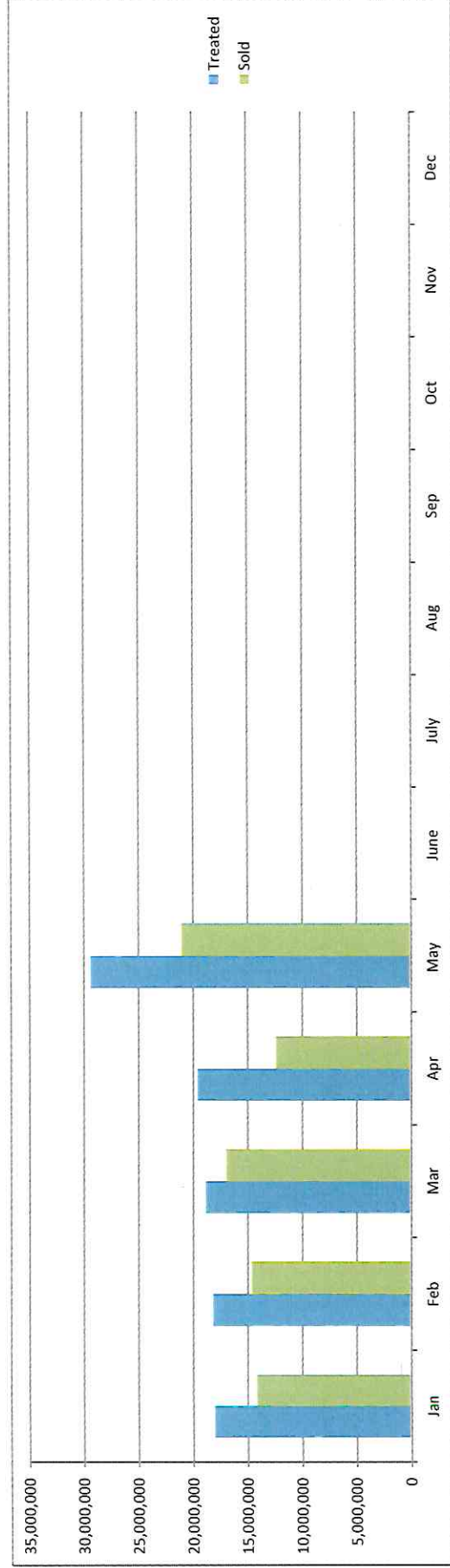
May 2020

Training	COVID-19	Ongoing
Spray Program		
Vehicle Maintenance	2016 Ford F-350 oil change	Complete
	2007 Toyota Tacoma tire patch	Complete
Other Maintenance	36 USA tags completed	Complete
	42 Customer service/work orders	Ongoing
	Monthly meter reading	Complete
Other	Revision of Operations Plan	Pending

Calaveras Public Utility District (2020)

Water Treated and Water Sold Comparison

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	TOTAL
Treated	17,976,016	18,120,398	18,767,208	19,511,089	29,307,606	0	0	0	0	0	0	0	103,682,317
Sold	14,154,158	14,629,479	16,918,802	12,374,759	21,001,211	0	0	0	0	0	0	0	79,078,409
% difference	-21.26%	-19.27%	-9.85%	-36.58%	-28.34%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-23.73%



Financial Business

- a. Approval of Claim Summary #740

Discussion

The Claim Summary #740 submitted of \$167,670.61 reflects payments with descriptions showing on the Bill Payments for All Vendors report.

Recommended Action: Approval of Claim Summary #740: \$167,670.61

Motion 1st _____, 2nd _____, Carried _____

CALAVERAS PUBLIC UTILITY DISTRICT

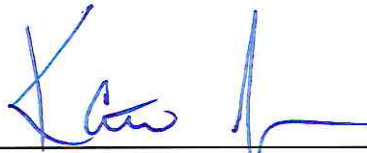
CLAIM SUMMARY # 740

DATE: May 2020

The claims listed on the schedules attached to this summary have been examined and found to be correct and proper demands against the Calaveras Public Utility District.

Claims Submitted	\$124,681.23
Payroll Submitted	\$29,552.64
P/R Tax Deposits	\$13,436.74
Sub-total	\$167,670.61

Net Additions	
Net Deductions	
Claim Summary Approved for	\$167,670.61



Admin Acct Assistant, Calaveras Public Utility District

Calaveras Public Utility District
Summary Balance Sheet
As of May 31, 2020

	<u>May 31, 20</u>
ASSETS	
Current Assets	
Checking/Savings	95,299.42
Other Current Assets	4,491,797.48
Total Current Assets	4,587,096.90
Fixed Assets	8,170,147.37
Other Assets	621,016.98
TOTAL ASSETS	<u>13378261.25</u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	51,308.76
Other Current Liabiliti...	1,722,328.40
Total Current Liabilities	1,773,637.16
Long Term Liabilities	82,098.31
Total Liabilities	1,855,735.47
Equity	11522525.78
TOTAL LIABILITIES & EQU...	<u>13378261.25</u>

Calaveras Public Utility District
Bill Payments for All Vendors
May 2020

Name	Num	Date	Amount	GL #	Amount
Al's Tire Service	22360	05/31/2020	20.00	5424	Vehicle maintenance (Truck #2)
American Fidelity Assurance	22347	05/28/2020	228.82	5646	125 Cafeteria Plan (May)
American Fidelity Assurance Co.(Flex)	22348	05/28/2020	287.50	5646	125 Flex Plan (May)
AT & T	22361	05/31/2020	62.02	5621/5432	Utilities
Blood, Richard	22362	05/31/2020	70.00	5680/5681	Director compensation
Brawner Automotive Repair	22333	05/15/2020	145.97	5424	Vehicle maintenance (Truck #6)
Brawner Automotive Repair	22349	05/28/2020	105.71	5424	Vehicle maintenance (Truck 7)
Buy & Sell Press	22334	05/15/2020	78.70	5620	Employment ad (Water System Superintendent)
Cal PERS	EFT	05/01/2020	10,266.62	5643/5647	Health insurance (May)
Calaveras Public Power Agency	22335	05/15/2020	7,874.95	5432/5621/5230	Utilities
California Welding Supply Co.	22363	05/31/2020	388.25	5421	Materials & supplies
Carbon Copy Inc.	22364	05/31/2020	103.98	5623	Printer/copier contract
Care Free Lawns	22336	05/15/2020	150.00	5623	Landscape contract (April)
Cole Tiscornia Construction	22365	05/31/2020	5,808.00	5422/1190	Church St leak repair (5/27) / Gold Strike PS evaluation
Comcast	22350	05/28/2020	306.80	5620	Utilities
Computer Firemen	22337	05/15/2020	50.00	5623	IT services
De Lage Landen Financial Services Inc.	22351	05/28/2020	87.85	5623	Printer/copier contract
Dell'Orto, J.W.	22366	05/31/2020	104.00	5680/5681	Director compensation
Fischer, Merle	22352	05/28/2020	371.07	5647	Post retirement health reimbursement (May)
G.A. Wirth Company	22367	05/31/2020	2,255.15	5322	WTP air rams
Golden State Flow Measurement/WFM	22368	05/31/2020	5,756.08	1114	Meter restock
Grainger	22338	05/15/2020	98.05	5322	WTP materials & supplies
Grainger	22369	05/31/2020	2,054.91	5322	WTP air rams
Henwood Associates, Inc.	22339	05/15/2020	8,897.04	1119/5200/5322	Ponderosa project / hydro maintenance / WTP air compressor
Hill Rivkins Brown & Associates	22332	05/13/2020	8,997.50	5684	Legal services (March) *reprint of check 22313*
Hill Rivkins Brown & Associates	22370	05/31/2020	6,519.50	5424	Legal services (April)
Hobgood's Cleaning Service	22353	05/28/2020	160.00	5623	Janitorial services
Hunt & Sons Inc.	22340	05/15/2020	578.97	5424	Fuel
Hunt & Sons Inc.	22354	05/28/2020	535.53	5424	Fuel
Lavaroni, John	22371	05/31/2020	75.00	5680	Director compensation
Lehigh Hanson	22372	05/31/2020	120.28	5421	Materials & supplies
Lowe's	22341	05/15/2020	1,516.04	5322	WTP supplies (salt restock)
Mead and Hunt, Inc.	22373	05/31/2020	2,447.50	5430	Engineering services (Middle Fork Dam EAP)
Overmier, Clifford	22374	05/31/2020	75.00	5680	Director compensation
Pace Supply	22375	05/31/2020	12,297.12	1190/5421	Materials & supplies / Gold Strike PS project
Pacific Gas & Electric	22342	05/15/2020	631.36	5200/5201	Utilities
Pacific Gas & Electric	22376	05/31/2020	340.49	5201	Utilities
Postmaster	22343	05/15/2020	120.00	5622	Postage (annual box rent)
Postmaster	22377	05/31/2020	700.00	5622	Postage
Public Employees Retirement System	EFT	05/01/2020	4,910.86	5645	Retirement (May)
Quincy Compressor	22378	05/31/2020	7,503.49	1190	WTP compressor project
RVS Software	22344	05/15/2020	120.00	5620	Office materials & supplies (handheld maintenance)
San Andreas Print Shop	22379	05/31/2020	255.26	5620	Office materials & supplies
San Andreas Sanitary District	22380	05/31/2020	377.04	5621/5432	Utilities
Speer, Scott	22381	05/31/2020	25.00	5680	Director compensation
Sysco Central California, Inc.	22355	05/28/2020	1,802.25	5421	Cal Fire reimbursement
TD Ameritrade Trust Company	22345	05/15/2020	500.00	2317	457 Plan
TD Ameritrade Trust Company	22356	05/28/2020	350.00	2317	457 Plan
Technical Systems Inc.	22382	05/31/2020	10,176.86	1190	SCADA retention (5%)
Treat's General Store	22383	05/31/2020	174.67	5322/5424/5421	Materials & supplies / Vehicle maintenance
USA Blue Book	22346	05/15/2020	99.49	5322	WTP materials & supplies
USA Blue Book	22384	05/31/2020	409.22	5322	WTP materials & supplies
Verizon Wireless	22385	05/31/2020	283.64	5432	Utilities
Volcano Telephone	22386	05/31/2020	517.50	5230/5322/5200/5201	Utilities
Weber, Ghio & Associates	22387	05/31/2020	15,492.25	5684/1117	Engineering services (Court St, Storm damage, SRF app, Water Loss Control Program, Mt Ranch Rd realignment)
Wells Fargo Bank	22357	05/28/2020	887.04	5623/5322/5620	Contract services, materials & supplies, WTP compressor
Wells Fargo Bank (KJ)	22358	05/28/2020	110.90	5622	Postage
			124,681.23		

PAYROLL JOURNAL

0085 A850-4915 Calaveras Public Utility District

EMPLOYEE NAME ID	HOURS, EARNINGS, REIMBURSEMENTS & OTHER PAYMENTS				WITHHOLDINGS	DEDUCTIONS	NET PAY ALLOCATIONS
	DESCRIPTION	RATE	HOURS	EARNINGS REIMB & OTHER PAYMENTS			
**** 10 MAINTENANCE Cunningham, John L 1	Salary			2,449.20	Social Security	184.21	Direct Deposit # 20874
	Overtime	42.3900	10.50	445.10	Medicare	43.08	Check Amt 0.00
	CPUD Ins			76.86	Fed Income Tax	342.57	Chkg 0017 2,219.43
	Vacation		M8:00		CA Income Tax	52.16	
	EMPLOYEE TOTAL		18.50	2,971.16	CA Disability	28.71	Net Pay 2,219.43
Moe, James G 8	Salary			2,464.96	Social Security	178.60	Direct Deposit # 20875
	Overtime	41.2200	9.50	391.59	Medicare	41.77	Check Amt 0.00
	CPUD Ins			24.12	Fed Income Tax	289.72	Chkg 5056 2,249.70
		EMPLOYEE TOTAL		9.50	2,880.67	CA Income Tax	92.07
	EMPLOYEE TOTAL		9.50	2,880.67	CA Disability	28.81	Net Pay 2,249.70
**** 20 MANAGER Leatherman, Donna M 7	Salary			4,708.21	Social Security	311.99	Direct Deposit # 20876
	CPUD Ins			323.77	Medicare	72.97	Check Amt 0.00
		EMPLOYEE TOTAL		5,031.98	Fed Income Tax	764.99	Chkg 2134 1,000.00
		EMPLOYEE TOTAL		5,031.98	CA Income Tax	354.37	Chkg 8258 2,177.34
	EMPLOYEE TOTAL		5,031.98	CA Disability	50.32	Net Pay 3,177.34	
**** 30 METERS Duke, Kelly 9	Hourly	26.4000	24.00	633.60	Social Security	38.29	Readychex # 1939800119
					Medicare	9.18	Check Amt 424.25
		EMPLOYEE TOTAL		633.60	Fed Income Tax	98.80	
		EMPLOYEE TOTAL		633.60	CA Income Tax	55.74	
	EMPLOYEE TOTAL		633.60	CA Disability	6.34	Net Pay 424.25	
**** 40 CUSTOMER SERV. Jesus, Kate E 5	Salary			1,794.00	Social Security	122.05	Direct Deposit # 20877
	Overtime	31.0500	4.00	124.20	Medicare	28.54	Check Amt 0.00
	CPUD Ins			50.30	Fed Income Tax	146.00	Chkg 0650 1,458.24
	Sick		M10:00		CA Income Tax	27.41	
	EMPLOYEE TOTAL		14.00	1,968.50	CA Disability	19.69	Net Pay 1,458.24
**** 50 WATER TREATMENT Rovera, Wyatt N 13	Salary			2,593.93	Social Security	200.72	Direct Deposit # 20878
	Overtime	37.1250	1.50	55.69	Medicare	46.94	Check Amt 0.00
	CPUD Ins			587.74	Fed Income Tax	425.02	Chkg 9965 2,201.38
		EMPLOYEE TOTAL		1.50	3,237.46	CA Income Tax	160.34
	EMPLOYEE TOTAL		1.50	3,237.46	CA Disability	32.37	Net Pay 2,201.38

PAYROLL JOURNAL

0085 A850-4915 Calaveras Public Utility District

EMPLOYEE NAME ID	HOURS, EARNINGS, REIMBURSEMENTS & OTHER PAYMENTS			WITHHOLDINGS	DEDUCTIONS	NET PAY ALLOCATIONS
	DESCRIPTION	RATE	HOURS			
**** 50 WATER TREATMENT (cont.) Rovera, Wyatt N (cont.) 13			1.50	3,237.36	865.39	170.59 Net Pay 2,201.38
**** 60 ADMIN. ACCT. Storm, Kathleen J 15	Hourly	25.0000	42.00	1,050.00	Social Security 65.10 Medicare 15.23 Fed Income Tax 105.77 CA Income Tax 14.90 CA Disability 10.50	Direct Deposit # 20879 Check Amt 0.00 Chkg 6876 838.50
	EMPLOYEE TOTAL		42.00	1,050.00	211.50	Net Pay 838.50
COMPANY TOTALS 7 Person(s) 7 Transaction(s)			66.00	1,683.60	Social Security 1,101.96 Medicare 257.71	Check Amt 424.25 Dir Dep 12,144.59
	Hourly		25.50	14,010.30	Fed Income Tax 2,172.87	
	Overtime		10.00	1,016.58	CA Income Tax 756.99	
	CPUD Ins		8.00	1,062.79	CA Disability 177.74	
	Sick					
	Vacation					
	COMPANY TOTAL		109.50	17,773.27	4,467.27	737.16 Net Pay 12,568.84
					Employer Liabilities	
					Social Security 1,101.94 Medicare 257.71	
					CA Unemploy 28.62	
					CA Emp Train 1.68	
					TOTAL EMPLOYER LIABILITY 1,389.95	
					TOTAL TAX LIABILITY 5,857.22	
(IC) = Independent Contractor						

0085 A850-4915 Calaveras Public Utility District
Run Date 05/13/20 04:48 PM

Period Start - End Date 05/01/20 - 05/15/20
Check Date 05/15/20

Payroll Journal
Page 2 of 2
PYRJRN

PAYROLL JOURNAL

0085 A850-4915 Calaveras Public Utility District

EMPLOYEE NAME ID	HOURS, EARNINGS, REIMBURSEMENTS & OTHER PAYMENTS				WITHHOLDINGS	DEDUCTIONS	NET PAY ALLOCATIONS
	DESCRIPTION	RATE	HOURS	EARNINGS REIMB & OTHER PAYMENTS			
**** 10 MAINTENANCE Cunningham, John L 1	Salary			2,449:20	Social Security	217:07	Direct Deposit # 20880
	Overtime	42:3900	23:00	974:97	Medicare	50:76	Check Amt
	CPUD Ins			76:86	Fed Income Tax	459:14	Chkg 0017
					CA Income Tax	81:55	2,557:50
	EMPLOYEE TOTAL		23:00	3,501:03	CA Disability	35:01	Net Pay
					843:53		2,557:50
Moe, James G 8	Salary			2,464:96	Social Security	177:32	Direct Deposit # 20881
	Overtime	41:2200	9:00	370:98	Medicare	41:47	Check Amt
	CPUD Ins			24:12	Fed Income Tax	287:25	Chkg 5056
					CA Income Tax	91:16	2,234:26
	EMPLOYEE TOTAL		9:00	2,860:06	CA Disability	28:60	Net Pay
					625:80		2,234:26
Roberts, Mathew A 10	Salary			3,374:11	Social Security	209:19	Direct Deposit # 20882
					Medicare	48:92	Check Amt
					Fed Income Tax	135:44	Chkg 3506
					CA Income Tax	145:72	2,632:01
	EMPLOYEE TOTAL		9:00	2,860:06	CA Disability	33:74	Net Pay
					625:80		2,632:01
**** 20 MANAGER Leatherman, Donna M 7	Salary			4,708:21	Social Security	311:98	Direct Deposit # 20883
	CPUD Ins			323:77	Medicare	72:96	Check Amt
	Vacation		M16:00		Fed Income Tax	764:99	Chkg 2134
					CA Income Tax	354:37	1,000:00
	EMPLOYEE TOTAL		16:00	5,031:98	CA Disability	50:32	Net Pay
					1,554:62		3,177:36
**** 30 METERS Duke, Kelly 9	Hourly	26:4000	32:00	844:80	Social Security	52:37	Readychex # 1939800120
					Medicare	12:25	Check Amt
					Fed Income Tax	124:15	587:19
					CA Income Tax	60:39	
	EMPLOYEE TOTAL		32:00	844:80	CA Disability	8:45	Net Pay
					257:61		587:19
**** 40 CUSTOMER SERV. REP. Jesus, Kate E 5	Salary			1,794:00	Social Security	114:34	Direct Deposit # 20884
	CPUD Ins			50:30	Medicare	26:74	Check Amt
					Fed Income Tax	131:10	Chkg 0650
					CA Income Tax	24:68	1,362:43
	EMPLOYEE TOTAL		32:00	844:80	CA Disability	18:44	Net Pay
					257:61		587:19

PAYROLL JOURNAL

0085 A850-4915 Calaveras Public Utility District

EMPLOYEE NAME ID	HOURS, EARNINGS, REIMBURSEMENTS & OTHER PAYMENTS				WITHHOLDINGS	DEDUCTIONS	NET PAY ALLOCATIONS
	DESCRIPTION	RATE	HOURS	EARNINGS REIMB & OTHER PAYMENTS			
**** 40 CUSTOMER SERV. REP. (cont.) Jesus, Kate E (cont.) 5		EMPLOYEE TOTAL		1,844:30	315:30	166:57	1,362:43
	Salary			2,593:93			
	Overtime	44:8950	10:50	471:40			
	CPUD Ins			587:74			
		EMPLOYEE TOTAL	10:50	3,653:07	1,035:34	170:59	2,447:14
**** 50 WATER TREATMENT Rovera, Wyatt N 13							
	Salary			777:60			
	Overtime			787:83			
	CPUD Ins						
		EMPLOYEE TOTAL	32:00	1,565:43	269:88	90:28	1,205:27
**** 60 ADMIN. ACCT. Bear, Carissa C 12							
	Hourly	24:3000	32:00	775:00			
	CPUD Ins						
			EMPLOYEE TOTAL	39:00	975:00	60:45	90:28
Storm, Kathleen J 15							
	Hourly	25:0000	39:00	975:00			
			EMPLOYEE TOTAL	39:00	975:00	194:36	90:28
COMPANY TOTALS 9 Person(s) 9 Transaction(s)							
	Hourly		103:00	2,597:40	1,466:27	450:00	587:19
	Salary			17,384:41	342:91	169:09	16,396:61
	Overtime		42:50	1,817:35	2,616:38	377:44	
		CPUD Ins	16:00	1,850:62	1,007:40		
		Vacation			236:49		
		COMPANY TOTAL	161:50	23,649:78	5,669:45	996:53	16,983:80

0085 A850-4915 Calaveras Public Utility District
Run Date 05/28/20 12:32 PM

Period Start - End Date
05/16/20 - 05/31/20
Check Date
05/29/20

Payroll Journal
Page 2 of 3
PYRJRN

Financial Business

b. FY 2020/21 Preliminary Budget Report

Discussion

Highlighted items were not previously showed in budgets. General ledger account names shown with an asterisk will be changed upon final budget presentation (per previous Board request).

Wages and benefits for staff have not been updated due to pending SEIU negotiations. Costs shown are the same as those presented for FY 2019/20.

Income

Water Revenue is increased by five percent (5%) per Resolution 2019-9.

4231 – Turn on Fees – Fees collected for accounts that require the water to service to being turned on.

4232 – Connection Fees – Fees related to new water service connections. The District only acquired one new connection for FY 2019/20. It is recommended that the Board consider evaluation of updates to the District connection and installation fees.

4996 - Work Done for Others - The District has two pending support projects that require additional work for installation of new water services.

4800 – Investment Interest - Funds reported under this item are reflective of interest received from investment other than LAIF. These have been previously reported in the quarterly investment report to the Board under the CD investments at El Dorado Saving and UBS Financial.

4994 Grant Revenue – Revenue from February 2019 Storm Damage (FEMA 4431) will be received for the pending repairs to be completed in FY 2020/21.

Expenses

5200 - Pipeline Hydro Cost - Amounts shown reflect expenses for previous fiscal years. As requested, these expenses will now be presented as part of the annual budget considerations.

5201 - Schaads Hydro Cost - Amounts shown reflect expenses for previous fiscal years. As requested, these expenses will now be presented as part of the annual budget considerations.

5623 Contract Services – Administrative cost reflect annual RVS software maintenance agreement, computer IT services, accounting support services, etc.

5683 Dues, Subscriptions and Fees – Review and consider to annual memberships will be further consider at annual meeting in December.

Capital Outlay Projects – The 2019 Rate Study included amounts for consideration to the Capital Outlay project for a five-year cycle.

Recommended Action: Approval of FY 2020/21 Preliminary Budget Report with updates to staff salaries and benefits to be presented with final budget presentation due to pending negotiation the SEIU Local 1021.

Motion 1st _____, 2nd _____, Carried _____

RECAP
2019/20 Preliminary Budget

	2018/19 Budget	2018/19 Actual	2019/20 Budget	2019/20 Jul - Mar	2020/21 Prelim
REVENUE					
OPERATING INCOME					
WATER SALES	2,291,000	1,519,505	1,986,600	1,481,054	2,085,930
Water Sales - Bulk Water Program	15,000	10,743	15,750	4,168	16,500
FEES	10,000	2,250	10,500	0	3,525
OTHER OPERATING INCOME	16,000	95,602	31,750	17,060	36,525
	2,332,000	1,628,100	2,044,600	1,502,282	2,142,480
NON-OPERATING INCOME					
HYDRO REVENUE	80,000	62,522	73,000	45,062	85,000
TAXES (M&O)	109,000	116,274	117,000	70,601	122,850
INTEREST	25,000	97,692	70,000	49,561	73,500
CELL TOWER LEASES	17,900	52,351	17,900	21,935	28,980
INVESTMENT INTEREST	0	38,554	0	25,472	18,000
MHSD REVENUE	10,200	10,100	10,200	7,650	10,200
GRANT REVENUE	0	38,194	0	71,367	0
	242,100	415,687	288,100	291,648	338,530
SUBTOTAL					
Operating and Non-Operating	2,574,100	2,043,787	2,332,700	1,793,930	2,481,010
OTHER					
RESERVES - CAPITAL OUTLAY	370,000	675,000	450,000	160,000	500,000
TOTAL REVENUE	2,944,100	2,718,787	2,782,700	1,953,930	2,981,010
	2018/19 Budget	2018/19 Actual	2019/20 Budget	2019/20 Jul - Mar	2020/21 Prelim
EXPENSES					
ADMINISTRATION & GENERAL	1,005,000	898,576	1,033,000	685,650	1,024,500
MAINTENANCE & OPERATION	1,169,100	967,412	1,144,700	742,103	1,188,000
CAPITAL OUTLAY	770,000	496,481	500,000	326,464	550,000
TOTAL EXPENSES	2,944,100	2,362,469	2,677,700	1,754,217	2,762,500

INCOME
2019/20 Preliminary Budget

	2018/19	2018/19	2019/20	2019/20	2020/21	Comments
	Budget	Actual	Budget	Jul - Mar	Prelim	
Operating						
4110 · Water Sales-Residential	1,878,440	1,212,220	1,629,000	1,186,819	1,710,450	5% increase per Resolution 2019-9
4112 · Water Sales-Commercial	401,100	300,060	347,600	288,857	364,980	5% increase per Resolution 2019-9
4170 · Water Sales-Agriculture	11,460	7,225	10,000	5,378	10,500	5% increase per Resolution 2019-9
4180 · Water Sales-Bulk Water Program	15,000	10,743	15,750	4,168	16,500	
4230 · Installation Fees	10,000	2,250	10,500	0	3,525	Installation (\$1175) x 3
4231 · Turn On Fees	0	3,185	0	2,695	1,750	Previously not shown
4232 · Connection Fees	0	9,100	0	0	7,275	
4970 · Other Income-T&D Proj. Income	5,000	2,000	5,250	0	5,500	
4995 · Miscellaneous	5,000	65,836	15,000	10,426	15,000	
4996 · Work Done for Others	6,000	15,481	11,500	3,939	7,000	Moke Hill Fire and Gwin St connection
Operating Sub-total	2,332,000	1,628,100	2,044,600	1,502,282	2,142,480	
Non-Operating						
4200 · Pipeline Hydro Revenue	60,000	62,522	63,000	42,735	60,000	
4210 · Schaads Hydro Revenue	20,000	0	10,000	2,327	25,000	Out of service FY 2019/20
4240 · Cellular Site Leases	17,900	52,351	17,900	21,935	28,980	
4800 · Investment Interest		38,554		25,472	18,000	CD's and UBS interest
4923 · Interest from LAIF	25,000	97,692	70,000	49,561	73,500	
4932 · County Taxes	109,000	116,274	117,000	70,601*	122,850	Final payment for FY 2019/20 pending
4975 · MHSD Revenue	10,200	10,100	10,200	7,650	10,200	
4994 · Grant Revenue		38,194		71,367	0	Previously shown in 4995 - Miscellaneous
Non-Operating Sub-Total	242,100	415,687	288,100	291,648	338,530	
Total Operating/Non-Operating Income	2,574,100	2,043,787	2,332,700	1,793,930	2,481,010	
Other Income						
Reserves for Capital Outlay	370,000	675,000	450,000	160,000	495,000	Per 2019 Rate Study
Funds from Rates for Capital Outlay			50,000		55,000	Per 2019 Rate Study
Total for Capital Outlay					550,000	
TOTAL INCOME	2,944,100	2,718,787	2,832,700	1,953,930	3,031,010	

EXPENSES
2019/20 Preliminary Budget

	2018/19	2018/19	2019/20	2019/20	2020/21	Comments
	Budget	Actual	Budget	Jul - Mar	Prelim	
Operation & Maintenance						
5200 · Pipeline Hydro Cost	0	37,538	0	21,716	15,000	Previously not shown
5201 · Schaaads Hydro Cost	0	11,768	0	5,785	5,000	Previously not shown
5230 · Utilities Pumping Power	130,000	44,989	125,000	112,165	125,000	
5231 · Pump Station Supplies	20,000	8,863	20,000	545	10,000	
5320 · Water System Superintendent	109,000	103,958	112,000	76,543	112,000	MR
5321 · Water Treatment Wages	66,000	64,985	67,500	39,992	67,500	WR (pending negotiations with SEIU)
5322 · Water Treatment Supplies	100,000	51,113	85,000	37,949	85,000	Estimate cost w/air rams and ERS
5323 · Lab Fees	15,000	5,900	7,000	6,174	8,000	
5411 · T & D Spec. Maintenance Labor*	285,000	211,848	230,000	155,946	230,000	JM, JC, MD, additional staff (pending negotiations with SEIU)
5412 · T & D - Overtime Labor	40,000	45,683	50,000	38,434	60,000	
5421 · T & D Maint. Material & Supplies*	85,000	81,061	85,000	39,617	80,000	
5422 · T & D Contract Services	10,000	5,834	10,000	24,672	20,000	
5424 · T & D Equip. Repair & Operation	40,000	42,189	45,000	38,449	45,000	
5425 · T & D Equipment Rental	10,000	6,923	15,000	0	20,000	
5426 · T & D Fees & Permits	10,000	5,018	8,000	2,526	8,000	
5427 · T & D Taxes	1,100	978	1,200	988	1,000	
5428 · T & D Insurance	55,000	41,194	53,000	47,121	57,000	15% Increase per ACWA/JPIA
5429 · T & D Safety & Education	25,000	16,488	20,000	9,082	20,000	
5430 · T & D Engineering	60,000	76,617	80,000	5,137	84,000	Survey dam monuments / Schaaads compliance / Part 12
5431 · T & D State Dam Fees	55,000	63,654	70,000	64,115	73,500	
5432 · T & D Misc. Maint. Utilities	23,000	20,213	25,000	17,880	25,000	
5434 · T & D State Fees	15,000	0	10,000	4,059	11,000	
5510 · Meter Wages	15,000	20,598	26,000	20,708	26,000	KD
	1,169,100	967,412	1,144,700	742,103	1,188,000	
	2018/19	2018/19	2019/20	2019/20	2020/21	
	Budget	Actual	Budget	Jul - Mar	Prelim	Comments
Administration & General						
5611 · Manager	118,000	112,420	120,000	85,305	120,000	DL
5612 · Customer Service Rep	34,000	31,444	35,000	23,843	35,000	CB / KS (pending negotiations with SEIU)
5614 · Admin. Account Assistant	44,000	40,732	44,000	31,851	44,000	KJ (pending negotiations with SEIU)
5615 · O/T Office	3,000	2,804	3,500	1,594	3,500	
5620 · Materials & Supplies	25,000	22,503	25,000	15,468	25,000	
5621 · Office Utilities	12,000	7,718	9,000	6,561	9,000	
5622 · Postage & Box Rent	17,000	8,873	10,000	7,304	9,000	
5623 · Contract Services	30,000	40,616	40,000	42,581	45,000	
5641 · FICA	68,000	54,454	60,000	39,831	45,000	
5642 · Unemployment	2,500	0	2,500	0	2,500	
5643 · Medical Insurance	255,000	186,172	230,000	140,692	241,500	
5645 · Retirement-PERS (Admin)	150,000	148,839	200,000	127,888	200,000	
5647 · OPEB - Retirement	110,000	100,653	100,000	31,881	100,000	
5680 · Director's Fees	2,500	3,150	2,500	1,550	2,500	
5681 · Director's Mileage	1,000	547	1,000	241	500	
5682 · Audit & Legal	40,000	50,785	50,000	43,926	60,000	General legal services / Annual Audit & support
5683 · Dues, Subscriptions, Fees	37,000	39,049	40,000	38,059	40,000	
5684 · Engineering-Admin.	50,000	47,817	60,000	47,074	70,000	SRF / LRP / General engineering services
5685 · Election Expense	6,000	0	500		2,000	
	1,005,000	898,576	1,033,000	685,650	1,054,500	
TOTAL EXPENSES	1,005,000	1,865,988	2,177,700	1,427,752	2,242,500	

*GL titles will be updated upon presentation of final FY 2020/21 Budget per previous discussion

Capital Improvements Recap

	2019/20 Budget	2019/20 Jul - Mar	Pending Costs	TOTAL	2020/21 Prelim	Comments/Notes
Treatment Plant Improvements						
S. Fork Pump Station (Pump #1)	70,000	31,351	85,500			Carryover from FY 2018/19
Pump #2		213,590				Project completed FY 2018/19
Water Treatment Plant Improvements (SCADA)	80,000	0			25,000	
Water Treatment Plant Improvements (FY 2019/20)			10,000-12,000		10,000	
State Revolving Funds					20,000	
Air compressor replacement (Quincy & Henwood)					55,000	
Water Treatment Plant Improvements (FY 2020/21)						
Lab remodel						
Vault lid replacement						
Roof replacement						
	150,000	244,941	97,500	342,441		
Pipeline / Schaaads Hydros						
Schaaads (MarTech)	30,000	0	46,000			Remove to stop for evaluation
2 2020 - Estimate to evaluate repair of 3 turbines			7,150			Replace impeller, complete repairs, reinstall and align all components
4 2020 - Estimate to repair and reinstall 3 turbines			27,471			Remove, disassemble, clean, new seals, reassemble and install /
4 2020 - Actuator evaluation			9,871			Evaluate dam engineering / Piezometers
Schaaads (FY 2020/21)					40,000	
Pipeline Hydros	40,000	0	22,000			Outdated; replace w/Beckwith style
Ponderosa Hydro #1			3,500			Rebuild turbine
Henwood - Panel relay upgrade (2 of 3)			6,000-8,000			Rebuild motor
Capital Machine			5,500			Rebuild motor turbine
Herold & Metelenz					30,000	Outdated; replace w/Beckwith style
Garamendi Hydro #3 (FY 2020/21)			3,500			
Henwood - Panel relay upgrade (3 of 3)					70,000	
	70,000	0	68,000	68,000		
Transmission & Distribution						
Vehicle Replacement	50,000	29,985				2020 Ford F150 XL
Vehicle Replacement (FY 2020/21)					40,000	Carryover from FY 2018/19
Tank Evaluation	30,000	24,250				Review w/SRF funding improvements; recommend evaluation w/cost / Full evaluation with cost
Tank Evaluation (FY 2020/21)					30,000	
Road Improvements	80,000	54,235				Easement roads (Red Hawk and MCV)
					15,000	
					85,000	
					54,235	
Line Replacement / System Improvements						
In house / Commercial Meter Replacement	30,000	0				Various locations (fire flow, pressure, leaks, line size, aging condition, hydrants, meters)
System Line Replacement - Outsourced Project	110,000					Court Street LRP (to be completed FY 2019/20) Engineer's estimate included
						Foley's cost
						CRWA (Prop 1 funded)
Water Loss Program	30,000	27,288	161,255			
	170,000	27,288	161,255			
					300,000	
					187,288	
					300,000	
General & Administration						
Billing / Accounting Software Upgrade	30,000	0				Carryover to FY 2020/21
	30,000	0				
					40,000	
					0	
TOTAL CAPITAL OUTLAY	500,000	326,464	326,755	651,964	550,000	

State Revolving Fund (SRF) Planning Grant Application Package for Water Treatment Plant Improvement Projects

- a. Consideration of Resolution 2020-10: Authorizing Resolution

Discussion

As a requirement of the SRF Planning Application, the District is required to designate an Authorized Representative authorized to sign and file on behalf of the District for a financing agreement from the SWRCB for the planning, design and construction of Water Treatment Plant Improvements.

Recommended Action: Approval of Resolution 2020-10: Authorizing Resolution

Motion 1st _____, 2nd _____, Carried _____ Roll Call Vote

- b. Workshop Preparation:

At the May meeting the recommendation was to conduct workshops to prioritize, evaluate and discuss the project selection to be include with the SRF Water Treatment Plant Improvements.

Staff and District Engineer are in the process of organizing a workshop for the August Board meeting. Below are comments included in the monthly Engineering report.

Drinking Water State Revolving Fund (DWSRF) Planning Grant Application #2798

- See the Authorizing Resolution/Ordinance to be presented under the relevant agenda item.
- The project team is working towards organizing a Workshop in August of 2020.
- The goal of the Workshop is to provide additional background information about scope and gain the Board's support for the improvements moving forward.

RESOLUTION NO. 2020-10

AUTHORIZING RESOLUTION

WHEREAS, the Calaveras Public Utility District is pursuing financial assistance from State Water Resources Control Board; and

RESOLVED BY THE Board of Directors of the Calaveras Public Utility District (the “Entity”), AS FOLLOWS:

The Calaveras Public Utility District General Manager (the “Authorizing Representative”) or designee is hereby authorized and directed to sign and file, for and on behalf of the Entity, a Financial Assistance Application for a financing agreement from the State Water Resources Control Board for the planning, design, and construction of Water Treatment Plant Improvements (the “Project”).

This Authorized Representative, or his/her designee, is designated to provide the assurances, certifications, and commitments required for the financial assistance application, including executing a financial assistance agreement from the State Water Resources Control Board and any amendments or changes thereto.

The Authorized Representative, or his/her designee, is designated to represent the Entity in carrying out the Entity’s responsibilities under the financing agreement, including certifying disbursement requests on behalf of the Entity and compliance with applicable state and federal laws.

NOW, THEREFORE, BE IT RESOLVED the foregoing resolution was duly introduced and adopted by the Board of Directors of the Calaveras Public Utility District at their regular meeting on June 9, 2020 by the following vote:

- AYES:
- NOES:
- ABSTAIN:
- ABSENT:

President, Board of Directors

Attest:

Kate Jesus, Admin Acct Assistant

I hereby certify that the foregoing is a true and correct copy of a resolution passed by the Board of Directors of Calaveras Public Utility District.

Kate Jesus, Admin Account Assistant

Date

Court Street Line Replacement Project

- a. Consideration of Resolution 2020-11: A Resolution Authorizing the General Manager to Execute a Construction Agreement for the Court Street Line Replacement Project

Discussion

The project has been advertised and a mandatory pre-bid meeting attended by 3 construction companies on May 5, 2020. The bid opening was conducted on June 2, 2020 at 10:00am. The District received 3 bids for the project as follows:

<u>Contractor</u>	<u>Bid Amount</u>
Campbell Construction	\$178,387
Ford Construction	\$208,650
Cole Tiscornia Construction	\$240,849

Recommended Action: Approval of Resolution 2020-11: A Resolution Authorizing the General Manager to Execute a Construction Agreement for the Court Street Line Replacement Project

Motion 1st _____, 2nd _____, Carried _____ **Roll Call Vote**

CALAVERAS PUBLIC UTILITY DISTRICT

MEMORANDUM

TO: Board of Directors
FROM: Matt Ospital, District Engineer
RE: Court Street Waterline Replacement Project
DATE: June 2, 2020

Discussion:

The bid opening for the Court Street Waterline Replacement Project was conducted on June 2, 2020 at 10:00 a.m. The District received three bids for the project as follows:

<u>Contractor</u>	<u>Bid Amount</u>
Campbell Construction	\$178,387
Ford Construction	\$208,650
Cole Tiscornia Construction	\$240,849

Attached is a bid summary for the three bids received.

Fiscal Impact:

Construction Cost

Campbell Construction Bid	\$178,387
Check Received from Foley	-\$ 25,150
District's Share	\$153,237

Recommendation:

Based upon the attached bid summary, I hereby recommend CPUD award the contract to the low bidder, Campbell Construction, in the amount of \$178,387.

#2744/nlm
Board Memo_2020-06-02

CALAVERAS PUBLIC UTILITY DISTRICT

COURT STREET WATERLINE REPLACEMENT PROJECT SAN ANDREAS, CALIFORNIA

BID SUMMARY

BID OPENING: JUNE 2, 2020 AT 10:00 A.M.

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE		CAMPBELL CONST.		FORD CONST.		COLE TISCORNIA CONST.	
				\$/UNIT	TOTAL	\$/UNIT	TOTAL	\$/UNIT	TOTAL	\$/UNIT	TOTAL
1	LOCATE AND PROTECT EXISTING UTILITIES	LS	1	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$20,000.00	\$20,000.00	\$14,000.00	\$14,000.00
2	SHEETING, SHORING, & BRACING	LS	1	\$2,500.00	\$2,500.00	\$4,500.00	\$4,500.00	\$10,000.00	\$10,000.00	\$6,500.00	\$6,500.00
3	TRAFFIC CONTROL	LS	1	\$10,000.00	\$10,000.00	\$8,500.00	\$8,500.00	\$20,230.00	\$20,230.00	\$16,000.00	\$16,000.00
4	ENCROACHMENT PERMIT COMPLIANCE	LS	1	\$1,500.00	\$1,500.00	\$3,800.00	\$3,800.00	\$1,000.00	\$1,000.00	\$2,200.00	\$2,200.00
5	6" DIA. PVC C900 (DR 18) WATERLINE	LF	517	\$120.00	\$62,040.00	\$99.00	\$51,183.00	\$150.00	\$77,550.00	\$192.00	\$99,264.00
6	2" WATER SERVICE	EA	1	\$2,500.00	\$2,500.00	\$4,400.00	\$4,400.00	\$7,000.00	\$7,000.00	\$8,500.00	\$8,500.00
7	1" WATER SERVICE	EA	1	\$2,000.00	\$2,000.00	\$4,200.00	\$4,200.00	\$3,000.00	\$3,000.00	\$6,500.00	\$6,500.00
8	6" GATE VALVE	EA	2	\$2,500.00	\$5,000.00	\$2,700.00	\$5,400.00	\$2,000.00	\$4,000.00	\$1,200.00	\$2,400.00
9	8" GATE VALVE	EA	1	\$3,000.00	\$3,000.00	\$3,300.00	\$3,300.00	\$2,500.00	\$2,500.00	\$1,800.00	\$1,800.00
10	10" GATE VALVE	EA	1	\$3,500.00	\$3,500.00	\$5,400.00	\$5,400.00	\$3,200.00	\$3,200.00	\$2,500.00	\$2,500.00
11	BLOW OFF VALVE ASSEMBLY	EA	1	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$6,300.00	\$6,300.00	\$7,500.00	\$7,500.00
12	CLASS 4 BACKFILL	CY	75	\$125.00	\$9,375.00	\$164.00	\$12,300.00	\$190.00	\$14,250.00	\$135.00	\$10,125.00
13	CONNECTION TO EXISTING MAIN	EA	2	\$2,500.00	\$5,000.00	\$7,500.00	\$15,000.00	\$5,600.00	\$11,200.00	\$9,500.00	\$19,000.00
14	EXISTING PIPELINE ABANDONMENT	LS	1	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00	\$700.00	\$700.00	\$2,500.00	\$2,500.00
15	TESTING & DISINFECTION	LS	1	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00
16	TYPE 2 SLURRY SEAL	SF	13840	\$2.00	\$27,680.00	\$3.10	\$42,904.00	\$1.75	\$24,220.00	\$2.75	\$38,060.00
				10% CONSTRUCTION CONTINGENCY:							
				\$14,659.50		\$178,387.00		\$208,650.00		\$240,849.00	
				TOTAL CONSTRUCTION COST:		\$161,254.50		\$208,650.00		\$240,849.00	

RESOLUTION NO. 2020-11

**A RESOLUTION AUTHORIZING THE
GENERAL MANAGER TO EXECUTE A CONSTRUCTION AGREEMENT
FOR THE COURT STREET LINE REPLACEMENT PROJECT**

WHEREAS, the Calaveras Public Utility District solicited bids for the Court Street Waterline Replacement Project; and

WHEREAS, the Calaveras Public Utility District opened the three (3) bids for the Court Street Waterline Replacement Project on June 2, 2020; and

WHEREAS, the Project Engineer checked the bids for accuracy and certified them to be as follows:

<u>Contractor</u>	<u>Bid</u>
Campbell Construction	\$178,387
Ford Construction	\$208,650
Cole Tiscornia Construction	\$240,849

WHEREAS, the Project Engineer has confirmed that the low bidder, Campbell Construction, is registered with the Department of Industrial Relations in accordance with the California Labor Code (Registration No. 1000007920).

WHEREAS, that the Board of Directors does hereby award the construction contract for the Court Street Waterline Replacement Project to Campbell Construction and the General Manager is hereby authorized to execute a Construction Agreement with Campbell Construction for the certified bid amount of \$178,387.00.

NOW, THEREFORE, BE IT RESOLVED the foregoing resolution was duly introduced and adopted by the Board of Directors of the Calaveras Public Utility District at their regular meeting on June 9, 2020 by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

President, Board of Directors

Attest:

Kate Jesus, Admin Acct Assistant

I hereby certify that the foregoing is a true and correct copy of a resolution passed by the Board of Directors of Calaveras Public Utility District.

Kate Jesus, Admin Account Assistant

Date

Update: COVID-19 Pandemic

Background

On March 4, 2020, the Governor declared a State of Emergency to exist in California as a result of the threat of COVID-19. Additional Executive Orders N-25-20 and N-42-20 which further responded to the spread of Covid-19 and the policy under the State Water code section 106.3. At the April meeting the Board passed Resolutions 2020-7 and 2020-8 in response to the Governor's Executive Orders.

District field staff continues to essentially work. The District office reopened to the public on May 12, 2020. There have not been any remote work authorizations by District staff.

Financial impacts due to late fee waivers were \$2,460 which effected 82 customers for the month of May. Administrative staff continues to work with customers on payment arrangement schedules and late fees waivers. Waivers will continue until Executive Order N-42-20 has been lifted by the Governor.

Staff continues to monitor the State and County updates and modification are made to conform with amendments to the provided State and County updates.

AGENDA ITEM 8

Consideration for Approval: Auditor Services Contract with Larry Bain, CPA for FY 2019/20

Discussion

The Manager requested a proposal for auditing services for fiscal year ending June 30, 2020, from Larry Bain, CPA. The proposal was included in the Board packet for consideration. It is also noted that the firm will be using their partner Susan Tang, CPA to comply with audit rotation year per Government Code 26909.

The cost for Auditing Services Contract with Larry Bain, CPA is \$8,100.00 and it is recommended to authorize the General Manager to sign the contract for auditing service for fiscal year ending June 30, 2020.

Recommended Action: Approval to authorize the General Manager to sign the Auditor Services Contract with Larry Bain, CPA for year ending June 30, 2020.

Motion 1st _____, 2nd _____, Carried _____

LARRY BAIN, CPA

AN ACCOUNTING CORPORATION

2148 Frascati Drive, El Dorado Hills, CA 95762 / (916)601-8894
lbain@sbcglobal.net

June 1, 2020

Board of Directors
Calaveras Public Utility District
P.O. Box 666
San Andreas, CA 95249

We are pleased to confirm our understanding of the services we are to provide Calaveras Public Utility District for the fiscal year ended June 30, 2020. We will audit the primary business-type financial statements, which comprises the basic financial statements of Calaveras Public Utility District as of and for the fiscal year ended June 30, 2020. Accounting standards generally accepted in the United States of America provide for certain required supplementary information (RSI), such as management's discussion and analysis (MD&A), to supplement Calaveras Public Utility District's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to Calaveras Public Utility District's RSI in accordance with auditing standards generally accepted in the United States of America. These limited procedures will consist of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We will not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance. The following RSI is required by generally accepted accounting principles and will be subjected to certain limited procedures, but will not be audited:

- 1) Management's Discussion and Analysis
- 2) Schedule of the District's Proportionate Share of the Net Pension Liability
- 3) Schedule of the District Pension Contributions

Audit Objective

The objective of our audit is the expression of opinions as to whether your basic financial statements are fairly presented, in all material respects, in conformity with generally accepted accounting principles. Our audit will be conducted in accordance with auditing standards generally accepted in the United States of America and will include tests of the accounting records and other procedures we consider necessary to enable us to express such opinions. We will issue a written report upon completion of our audit of Calaveras Public Utility District's financial statements. Our report will be addressed to governing board of Calaveras Public Utility District. We cannot provide assurance that unmodified opinions will be expressed. Circumstances may arise in which it is necessary for us to modify our opinions or add emphasis-of-matter or other-matter paragraphs. If our opinions on the financial statements are other than unqualified (unmodified), we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed opinions, we may decline to express opinions or to issue a report as a result of this engagement.

Audit Procedures—General

An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; therefore, our audit will involve judgment about the number of transactions to be examined and the areas to be tested. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We will plan and perform the audit to obtain reasonable rather than absolute assurance about whether the financial statements are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to the government or to acts by management or employees acting on behalf of the government.

Because of the inherent limitations of an audit, combined with the inherent limitations of internal control, and because we will not perform a detailed examination of all transactions, there is a risk that material misstatements may exist and not be detected by us, even though the audit is properly planned and performed in accordance with U.S. generally accepted auditing standards. In addition, an audit is not designed to detect immaterial misstatements, or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements. However, we will inform the appropriate level of management of any material errors or any fraudulent financial reporting or misappropriation of assets that come to our attention. We will also inform the appropriate level of management of any violations of laws or governmental regulations that come to our attention, unless clearly inconsequential. Our responsibility as auditors is limited to the period covered by our audit and does not extend to any later periods for which we are not engaged as auditors.

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts, and may include tests of the physical existence of inventories, and direct confirmation of receivables and certain other assets and liabilities by correspondence with selected individuals, funding sources, creditors, and financial institutions. We will request written representations from your attorneys as part of the engagement, and they may bill you for responding to this inquiry. At the conclusion of our audit, we will require certain written representations from you about the financial statements and related matters.

Audit Procedures—Internal Control

Our audit will include obtaining an understanding of the entity and its environment, including internal control, sufficient to assess the risks of material misstatement of the financial statements and to design the nature, timing, and extent of further audit procedures. An audit is not designed to provide assurance on internal control or to identify deficiencies in internal control. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under AICPA professional standards.

Audit Procedures—Compliance

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of Calaveras Public Utility District's compliance with the provisions of applicable laws, regulations, contracts, and agreements. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion.

Other Services

We will also assist in preparing the financial statements of Calaveras Public Utility District in conformity with U.S. generally accepted accounting principles based on information provided by you. We will perform the services in accordance with applicable professional standards. The other services are limited to the financial statement services previously defined. We, in our sole professional judgment, reserve the right to refuse to perform any procedure or take any action that could be construed as assuming management responsibilities.

Management Responsibilities

Management is responsible for designing, implementing, and maintaining effective internal controls relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error, including monitoring ongoing activities; for the selection and application of accounting principles; and for the preparation and fair presentation of the financial statements in conformity with U.S. generally accepted accounting principles.

Management is also responsible for making all financial records and related information available to us and for the accuracy and completeness of that information. You are also responsible for providing us with (1) access to all information of which you are aware that is relevant to the preparation and fair presentation of the financial statements, including identification of all related parties and all related-party relationships and transactions, (2) additional information that we may request for the purpose of the audit, and (3) unrestricted access to persons within the government from whom we determine it necessary to obtain audit evidence.

Your responsibilities include adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements of each opinion unit taken as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving (1) management, (2) employees who have significant roles in internal control, and (3) others where the fraud could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, regulators, or others. In addition, you are responsible for identifying and ensuring that the government complies with applicable laws and regulations.

You are responsible for the preparation of the supplementary information in conformity with U.S. generally accepted accounting principles. You agree to include our report on the supplementary information in any document that contains and indicates that we have reported on the supplementary information. You also agree to include the audited financial statements with any presentation of the supplementary information that includes our report thereon. Your responsibilities include acknowledging to us in the representation letter that (1) you are responsible for presentation of the supplementary information in accordance with GAAP; (2) you believe the supplementary information, including its form and content, is fairly presented in accordance with GAAP; (3) the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes); and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the supplementary information.

You agree to assume all management responsibilities for financial statement preparation services and any other nonattest services we provide; oversee the services by designating an individual, preferably from senior management or qualified consultant, with suitable skill, knowledge, or experience; evaluate the adequacy and results of the services; and accept responsibility for them.

Engagement Administration, Fees, and Other

We may from time to time, and depending on the circumstances, use third-party service providers in serving your account. We may share confidential information about you with these service providers, but remain committed to maintaining the confidentiality and security of your information. Accordingly, we maintain internal policies, procedures, and safeguards to protect the confidentiality of your personal information. In addition, we will secure confidentiality agreements with all service providers to maintain the confidentiality of your information and we will take reasonable precautions to determine that they have appropriate procedures in place to prevent the unauthorized release of your confidential information to others. In the event that we are unable to secure an appropriate confidentiality agreement, you will be asked to provide your consent prior to the sharing of your confidential information with the third-party service provider. Furthermore, we will remain responsible for the work provided by any such third-party service providers.

We understand that your employees will prepare all cash or other confirmations we request and will locate any documents selected by us for testing.

The workpapers for this engagement are the property of Larry Bain, CPA and constitute confidential information. However, we may be requested to make certain workpapers available to regulatory agencies pursuant to authority given to it by law or regulations. If requested, access to such workpapers will be provided under the supervision of Larry Bain, CPA. Furthermore, upon request, we may provide photocopies of selected workpapers to the regulatory agency. The regulatory agency may intend, or decide; to distribute photocopies or information contained therein to others, including to governmental agencies.

We expect to begin our audit September 15, 2020 and to issue our reports no later than November, 2020. Susan Tang, CPA is the engagement partner and is responsible for supervising the engagement and signing the report or authorizing another individual to sign it. Our fee for these services will be at our standard hourly rates plus out-of-pocket costs (such as report reproduction, word processing, postage, travel, copies, telephone, etc.) except that we agree that our gross fee, including expenses will not exceed \$8,100. Our standard hourly rates vary according to the degree of responsibility involved and the experience level of the personnel assigned to your audit. Our invoices for these fees will be rendered each month as work progresses and are payable on presentation. In accordance with our firm policies, work may be suspended if your account becomes 45 days or more overdue and may not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notification of termination, even if we have not completed our report. You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination. The above fee is based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If significant additional time is necessary, we will discuss it with you and arrive at a new fee estimate before we incur the additional costs.

We appreciate the opportunity to be of service to Calaveras Public Utility District and believe this letter accurately summarizes the significant terms of our engagement. If you have any questions, please let us know. If you agree with the terms of our engagement as described in this letter, please sign the enclosed copy and return it to us.

Very truly yours,

Larry Bain, CPA
An Accounting Corporation

RESPONSE:

This letter correctly sets forth the understanding of Calaveras Public Utility District.

By: _____

Title: _____

Date: _____

California Rural Water Association (CRWA) Prop 1 Leak Detection Program Report

Discussion

The District was approved for Prop. 1 funding through California Rural Water Association (CRWA) for critical area Leak Detection Program. In mid-May a representative from CRWA conducted the lead detection survey, based on the information provided by the District. The survey took 2.5 days to complete which twenty-one (21) areas that were evaluated. Comments and recommendation are provided in the report. It is noted in the report that the information is provided by CRWA as educational and is not intended to replace the advice or direction given by Regulators. However, staff will evaluate recommendations and use information to assist with possible line replacement projects. The Manager will also pursue and request a full leak detection program from CRWA if funding is still available under the Prop. 1 program.

Recommendation: Accept report.



Technical Assistance Leak Detection

Prop 1
 Water Quality, Supply, and
 Infrastructure Improvement Act
 November 4th, 2014



California Rural Water Association



Date

May 12th, 2020
 Mark Hardison - Leak Detection Specialist II
 California Rural Water Association
 Prop1 Critical Zone Leak Detection Audit

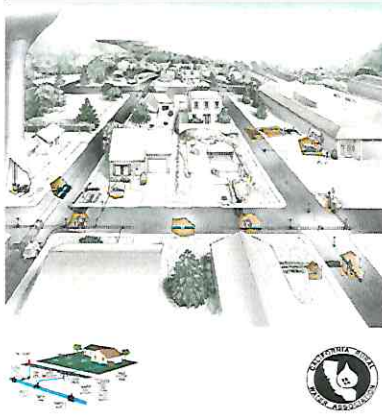
Water System

Calaveras Public Utility District (CA0510002) AR#5983
 P.O. Box 666, 506 W. St. Charles
 San Andreas, CA 95249
 Donna Leatherman, District Manager
 209.754.9442 /dleatherman@cpud.org



**Quality
On Tap!**
 Our Commitment  Our Profession

Water System Resources



Water Loss %	12%
System PSI	25-140
Pressure Zones	35+
MHI (< \$56,982)	\$47,500
Population Served	4500
Connections	2000
Year Est.	1939
Flat/Tiered Rates	Tiered
Maps/As-builts/GIS	All
Dirt/Paved Roads	Both
Sewer/Septic	Both
System Operator	Wyatt Rovera (T3/D3) John Cunningham (T3/D4)

Wells	Qty.	Avg. Depth	Surface Water		✓	Treatment Plant		✓
	0	NA						
Main Pipe	Size	Miles	Asbestos	Ductile Iron	Steel	Cast Iron	PVC (C-900)	CMLC
	4" - 27"	20			✓		✓	
Service	Size	Poly	Copper	Galvanized	HDPE	PVC	Driscoll	Other
	1" - 16"	✓	✓	✓				✓
Valve	Size	Qty.	Gate	Butterfly	Globe	Check	Ball	Plug
	1" - 18"		✓			✓	✓	
Hydrant	Size	Qty.	Wharf-Head	Blow-Off	Commercial	Residential	Meter	
	4" - 10"	246	✓	✓	✓	✓		
Meter	Size	Qty.	AMR/AMI	P/D	Smart	Turbine	Compound	Mag
	5/8" - 6"	1920					✓	
Air Relief & Vacuum	Size	Qty.	Booster Pump & Hydro Pneumatic		Qty.	Storage Tanks		Qty.
	-				1			6
Backflow Valve	Size	Qty.	Pressure Reducing Valve			Size	Qty.	
	3/4" - 10"	204					17	

Comments/Recommended:

Calaveras Public Utility District seeking funding and assistance for the following projects.

1. Funding for an AMI intelligent and remote metering system. Smart metering for this system would be the most efficient way to determine excessive water use and unaccounted water loss.
2. Prioritizing line replacement projects related to fire flow, pressure, pipe size and condition and other finding from this leak detection survey.
3. Full system leak detection is recommended as a result from the finding of this survey. Calaveras Public Utility District is estimating 12% unaccounted for water. System Leaks and low performing meters were noted during this critical zone survey that reflect only a sample of the entire system.

Water System Age

Typical Equipment

Life Expectancy Years

Source of supply

<u>Intake Structures</u>	35-50	<u>35 - 45</u>
<u>Wells and Springs</u>	NA	<u>25 - 35</u>
<u>Transmission mains</u>	30-40	<u>35 - 40</u>

Pumping Plants

<u>Pumping Equipment</u>	30+	<u>10 - 15</u>
--------------------------	-----	-----------------------

Treatment Plants

<u>Structures</u>	35-50	<u>30 - 60</u>
<u>Equipment</u>	30-50	<u>10 - 15</u>
<u>CL2 Equipment</u>	15-20	<u>10 - 15</u>

Distribution

<u>Reservoirs and Tanks</u>	15-40	<u>30 - 60</u>
<u>Distribution Pipes</u>	5-50	<u>35 - 40</u>
<u>Services</u>	5-50	<u>30 - 50</u>
<u>Valves</u>	5-50	<u>35 - 40</u>
<u>Backflow Prevention</u>	2-30	<u>35 - 40</u>
<u>Blow-off valves</u>	5-50	<u>35 - 40</u>
<u>Meters</u>	5-25	<u>10 - 15</u>
<u>Hydrants</u>	15-30	<u>40 - 60</u>

Leak Report

Date: 05/06/2020

System: Calaveras Public Utility District

Leak Detection members: Mark Hardison - Leak Detection Specialist II

Equipment Used: FCS Correlator/Acoustic Ground Mic/DXmic Pro

Map Reference: Diamond Maps/Google/GPS/GIS Map

Street and/or Block Numbers:

Bonanza St/Main St/Market St/Russell Rd/California St/Pope St/Lewis Ave/Church Hill Rd.

Leak Number	Address of Suspected Leak	Utility or Customer (U or C)	Leak Pinpointed (Y or N)	Leak to be Rechecked (Y or N)	Leak Repaired (Y or N)	Notes
Survey#3	37 Market St	U	N	Y	N	Leak- Hydrant
Survey#7	Mariposa	U	N	Y	N	Non metered/illegal connection
Survey#12	567 Lewis Ave	U	Y	Y	N	Bad Meter (2)
Survey#14	924 Church Hill	U	N	Y	N	Possible Leak- Main Line

	Meters / Curb Stop	Hydrants	Valves	Test Rods	Other
Indicate Number of Manual Listening Points Used	13	18	28	0	3
Indicate Number of Leak Noise Loggers Listening Points Used	0	0	0	0	0

Miles of Mains Surveyed: 1.6 Survey Time: (Hours) 14.0

Number of Leaks Suspected: 5 Rechecked: (Numbers) 0

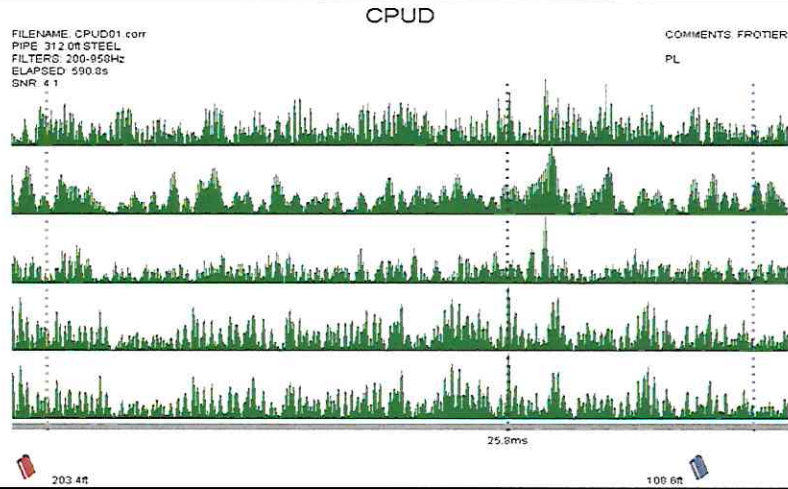
Number of Leaks Pinpointed: 3 Pinpointing Time: (Hours) 2.0

Remarks:

See listed survey numbers for leak details. No additional leaks were detected at the time of survey.

Leak Detection Survey Results

Survey #1



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots are all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic. Possible Leak on Mobile Home Parks water line.

Location:

Valve at Frontier St/Bonanza St. to Valve at Frontier St/Trails End Rd.

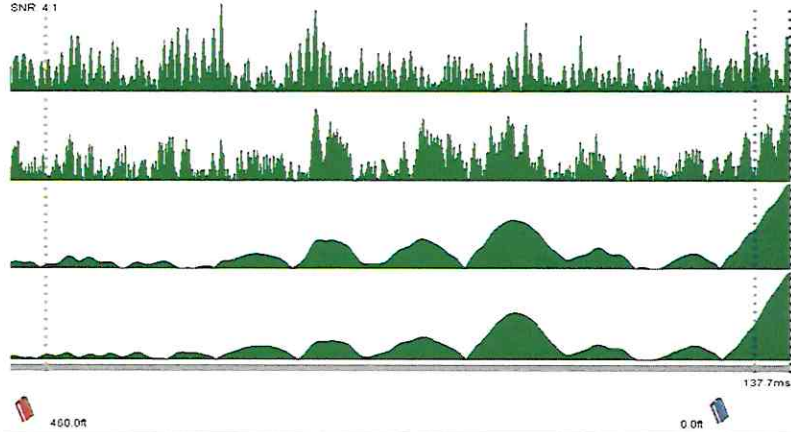
Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	2		12"	Steel	310'

Leak Detection Survey Results

Survey #2

CPUD02

FILENAME: CPUD02 corr
 PIPE: 460.0ft STEEL
 FILTERS: +133Hz
 ELAPSED: 418.7s
 SNR: 4.1



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

Location:

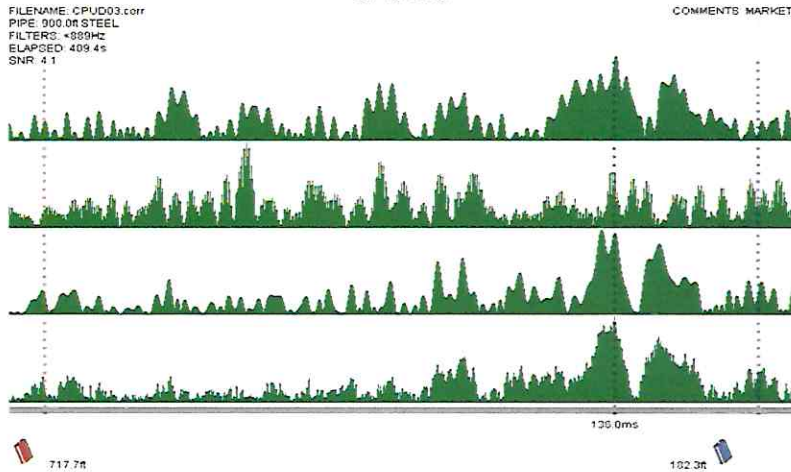
Valve at 75 Main St. to Valve at Main St/E. Charles St

Hydrant	System Valve	Curb stop	Diameter	Material	Length
	2		10"	Steel	460'

Leak Detection Survey Results

Survey #3

CPUD03



Survey Graph



The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".

The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

Possible Leak on noisy Hydrant at 37 Market St. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic. No additional leaks were detected at the time of survey. Operator will monitor this area.

Location:

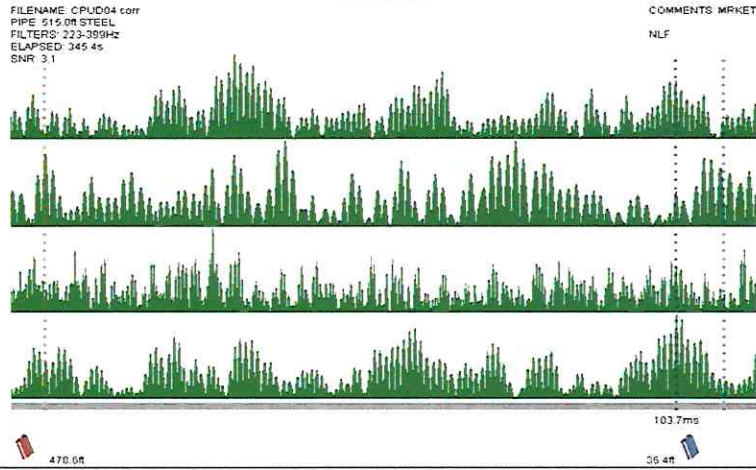
Valve at Market St/Church Hill to Valve at Market St/Monte Vista Ct.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	2		4"	Steel	910'

Leak Detection Survey Results

Survey #4

CPUD04



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

Location:

Valve at Market St/Monte Vista Ct. to Meter at 255-B Market St.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	1	1	4"	Steel	515'

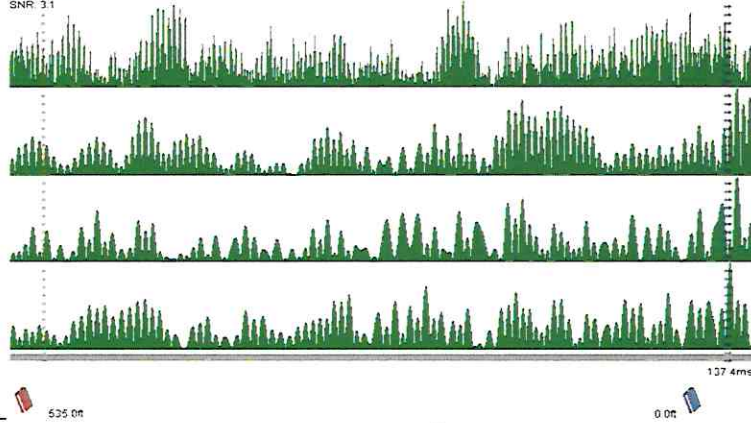
Leak Detection Survey Results

Survey #5

CPUD05

FILENAME: CPUD05.corr
 PIPE: 535.0ft STEEL
 FILTERS: 00-160Hz
 ELAPSED: 340.4s
 SNR: 3.1

COMMENTS: MARKET-RUSSELL
 NLF



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

Location:

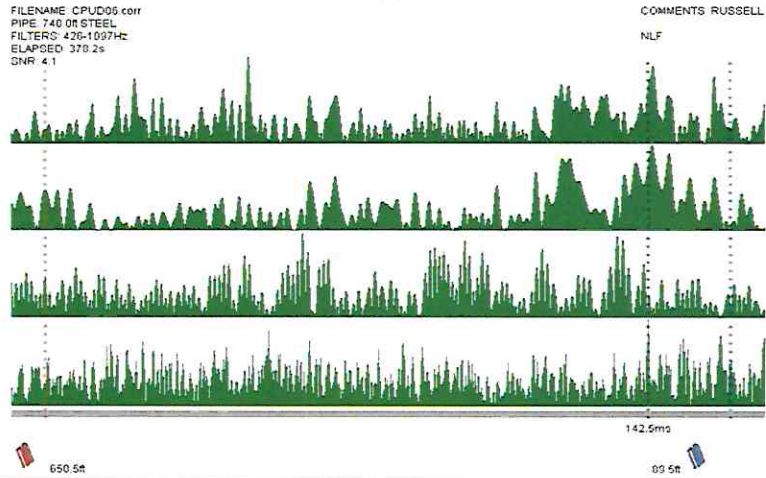
Meter at 255-B Market St. to Hydrant at Market St/Russell Rd.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
1		1	4"	Steel	535'

Leak Detection Survey Results

Survey #6

CPUD06



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

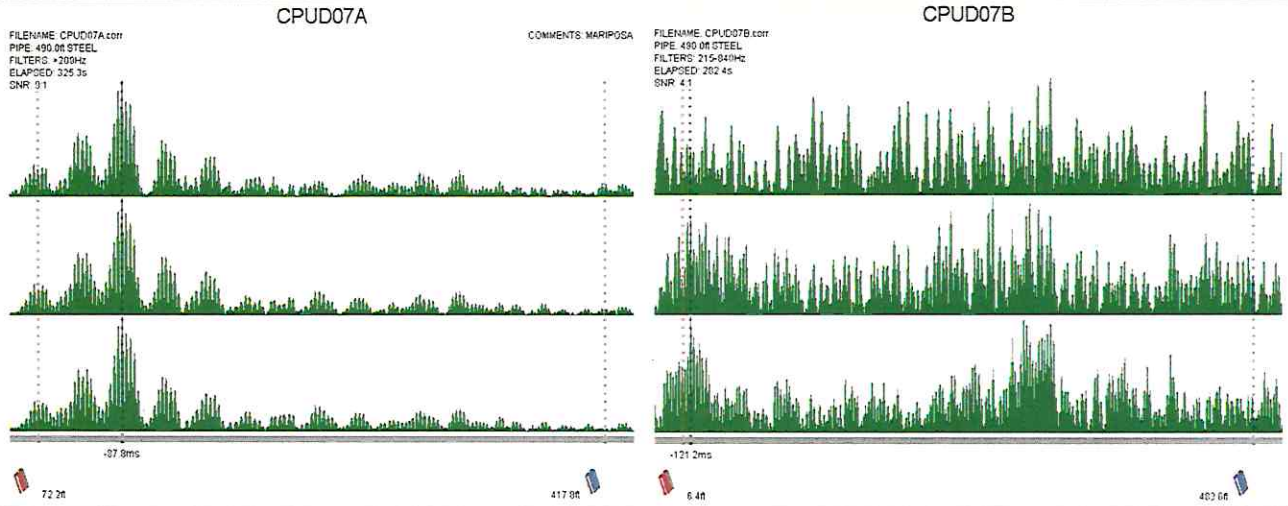
Location:

Hydrant at Market St/Russell Rd. to Valve at 406 Russell Rd.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
1	1		4"	Steel	740'

Leak Detection Survey Results

Survey #7



The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due to:

- ✓ Water passing through a meter.
- Running pumps.
- Pressure reducing Valve.
- Electrical (Transformer).
- ✓ Illegal service.
- Underground Sewer, Power, Cable Lines.
- Gas Service

The correlation has detected "No leak(s)".

The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

Graph 7A shows possible leak at 72' from (red) sensor located at Hydrant at Mariposa St/Pine St. Investigation reveals possible unmarked service line on Mariposa St. or Water passing through a Meter on Pine St. Graph 7B does not duplicate possible leak. No additional issues were detected.

Location:

Valve at 397 Mariposa St. to Hydrant at Mariposa St/Pine St.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
1	1		4"	Steel	490'

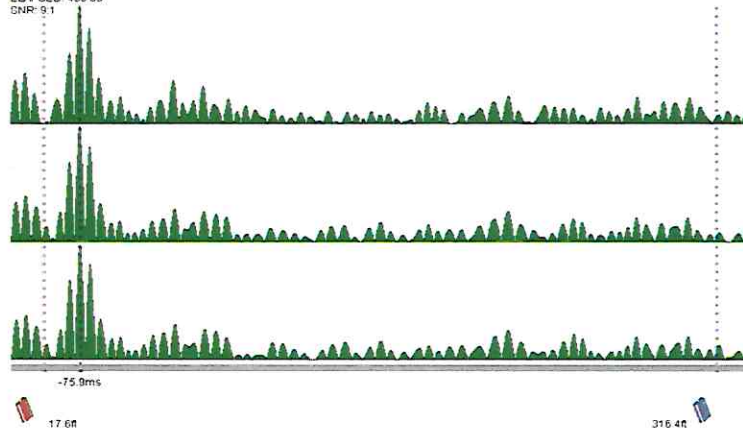
Leak Detection Survey Results

Survey #8

CPUD08

FILENAME: CPUD08.corr
 PIPE: 334 0# STEEL
 FILTERS: 77-325Hz
 ELAPSED: 436 0s
 SNR: 9.1

COMMENTS: MARIPOSA
 WPTV 17FT-R



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- ✓ Water passing through a meter.
- Running pumps.
- Pressure Reducing Valve.
- Electrical (Transformer).
- Illegal service.
- Underground Sewer, Power, Cable lines.
- Gas Service

The correlation has detected "No leak(s)".

The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

Graph shows possible leak at 17' from (red) sensor located at Valve at 467 Mariposa St. Investigation reveals pull from 2" feeder line at 17' on Mariposa St. No additional leaks were detected at the time of survey.

Location:

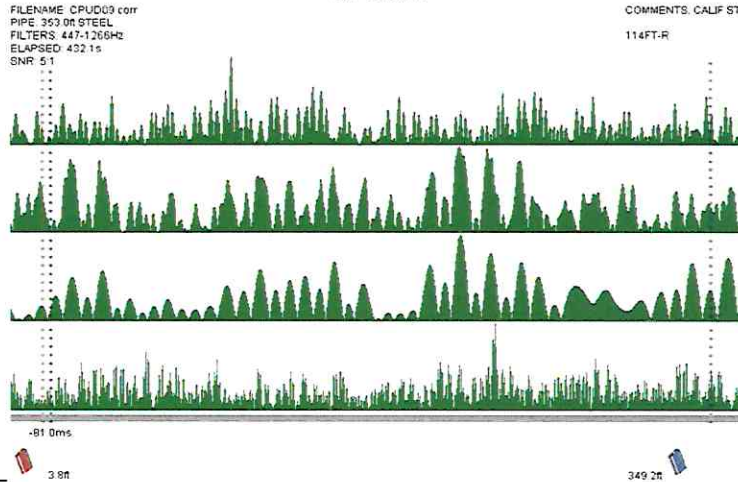
Valve at 397 Mariposa St. to Valve at 467 Mariposa St.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	2		4"	Steel	334'

Leak Detection Survey Results

Survey #9

CPUD09



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

Location:

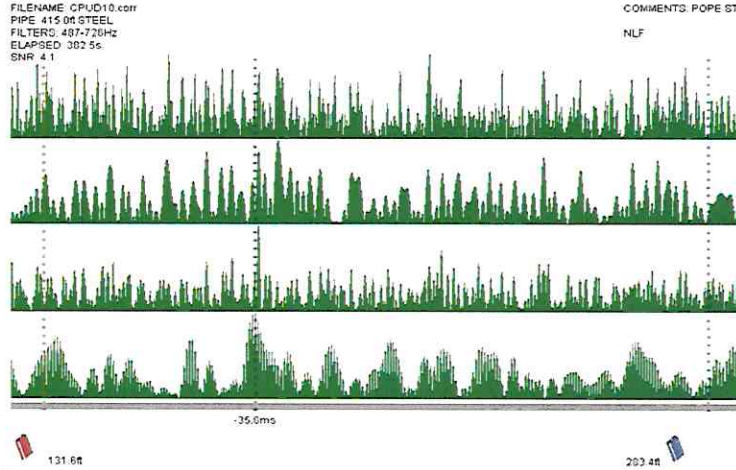
Valve at 276 California St. to Valve at 222 California St.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	2		2" Steel	Steel	352'

Leak Detection Survey Results

Survey #10

CPUD10



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

Location:

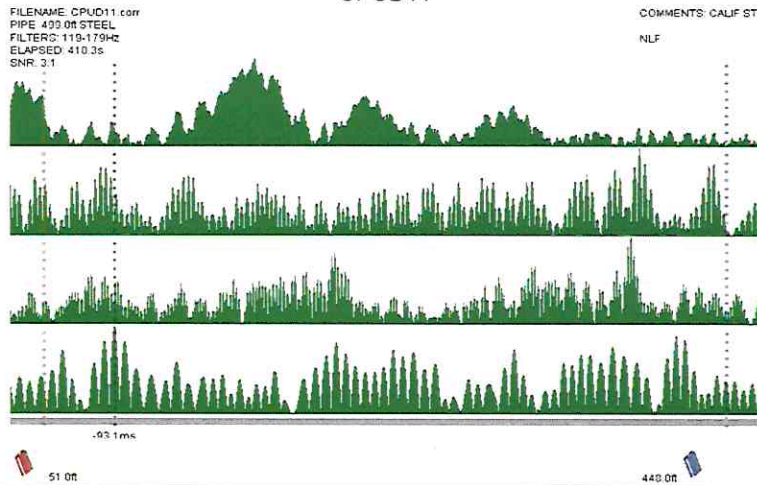
Valve at 222 California St. to Hydrant at 123 Main St.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
1	1		2"	Steel	415'

Leak Detection Survey Results

Survey #11

CPUD11



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- Water passing through a meter.
- Running pumps.
- Pressure Reducing Valve
- Electrical (Transformer).
- Illegal service.
- Underground Sewer, Power, Cable lines.
- Gas Service

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

Location:

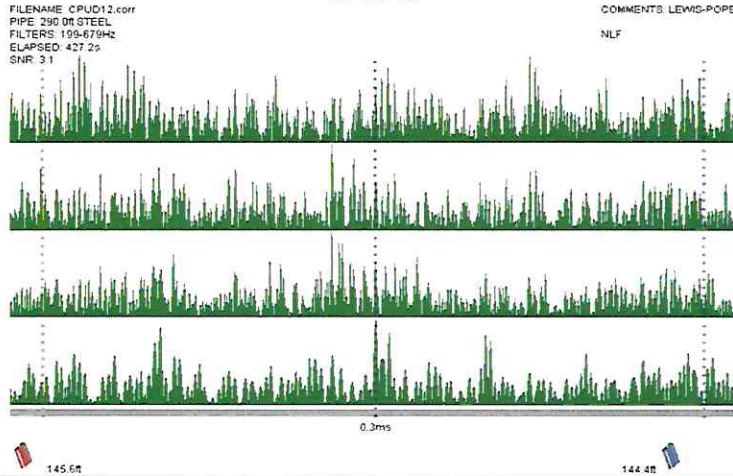
Valve at 222 California St. to Valve behind the County Probation Office on California St.

Hydrant	System Valve	Curb stop	Diameter	Material	Length
	2		2"	Steel	499'

Leak Detection Survey Results

Survey #12

CPUD12



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due to:

- ✓ Water passing through a meter. Running pumps. Pressure Reducing Valve.
- ✓ Electrical (Transformer). Illegal service. Underground Sewer, Power, Cable lines.
- Gas Service

The correlation has detected "No leak(s)".

The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

Water passing through 2 Meters at 574 Lewis Ave (Diamond Place Apt) meters were not registering with positive water flow at the time of survey. The meters surveyed with an FCS-SYS-095 DXPro Ground Mic. No additional leaks were detected at the time of survey.

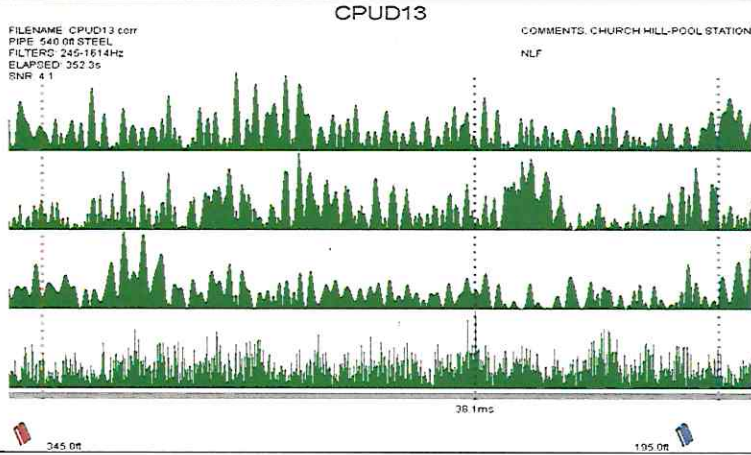
Location:

Hydrant at Lewis Ave/Pope St. to Meter at 568 Lewis Ave.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
1		1	12"	Steel	290'

Leak Detection Survey Results

Survey #13



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

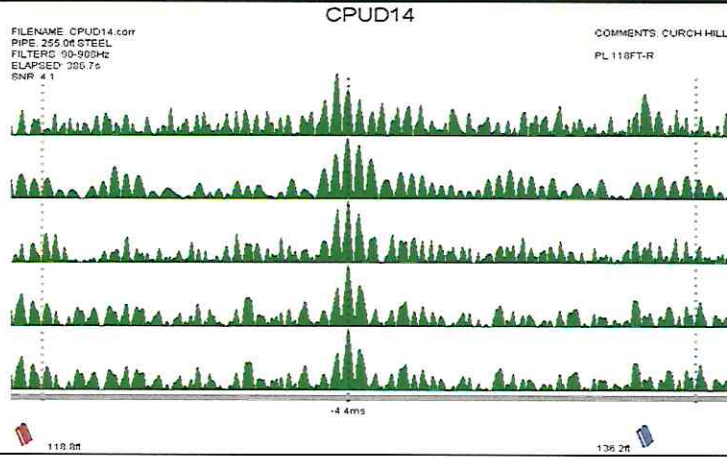
Location:

Valve at Church Hill Rd/Pool Station Rd. to Valve at 968 Church Hill Rd.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	2		6"	Steel	540'

Leak Detection Survey Results

Survey #14



Survey Graph



The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |

The correlation has detected "No leak(s)".

The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

Possible main line leak located 118' from (red) sensor located at 924 Church Hill Rd. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic. No additional leaks were detected at the time of survey. Operator will monitor location.

Location:

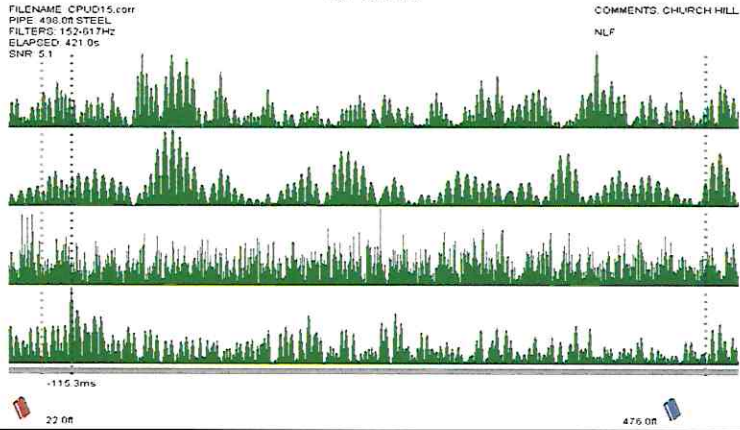
Valve at 968 Church Hill Rd. to Valve at 924 Church Hill Rd.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	2		6"	Steel	255'

Leak Detection Survey Results

Survey #15

CPUD15



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

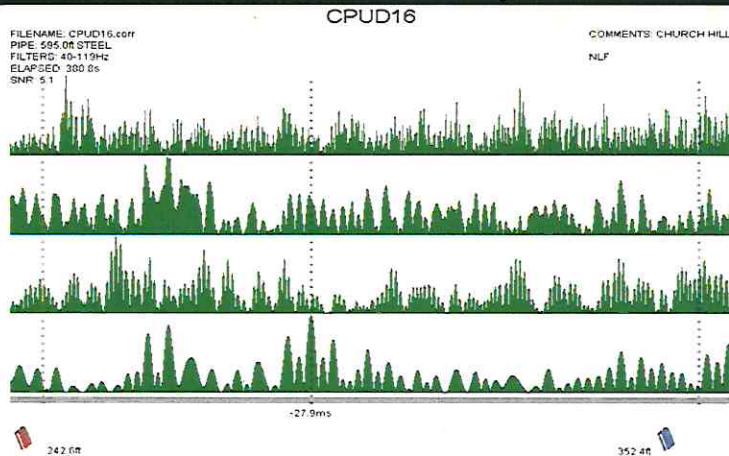
Location:

Valve at 924 Church Hill Rd. to Valve at 746 Church Hill Rd.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	2		6"	Steel	498'

Leak Detection Survey Results

Survey #16



Survey Graph

The Correlator program allows for a "**Snapshot Option**". When the snapshot button is pressed during a correlation, the snapshot feature effectively enables the operator to compare noise levels at different points during the correlation process. When a leak is detected, the graph will have a peak in the same spot and will be located in the same spot on all snapshots. This will indicate the presence of a leak.

The correlation has detected a "Leak(s)".

The Correlator displays a peak in all snapshots graphs in the same spot but is not leak due too:

- | | | |
|--------------------------------|------------------|--|
| Water passing through a meter. | Running pumps. | Pressure Reducing Valve. |
| Electrical (Transformer). | Illegal service. | Underground Sewer, Power, Cable lines. |
| | | Gas Service |

The correlation has detected "No leak(s)".



The Correlator program snapshots all differ in graph peaks, this indicates flow due to pumping, pressure surges or momentary use of water through meter(s).

The correlation has detected "No leak(s)".

The Correlator program displays a "**Center Correlation**". The graph peak is in the center of the screen with equal footage on each side indicates the program sensor at a 50/50 point hears no sounds.

The correlation has detected "No leaks".

Remarks:

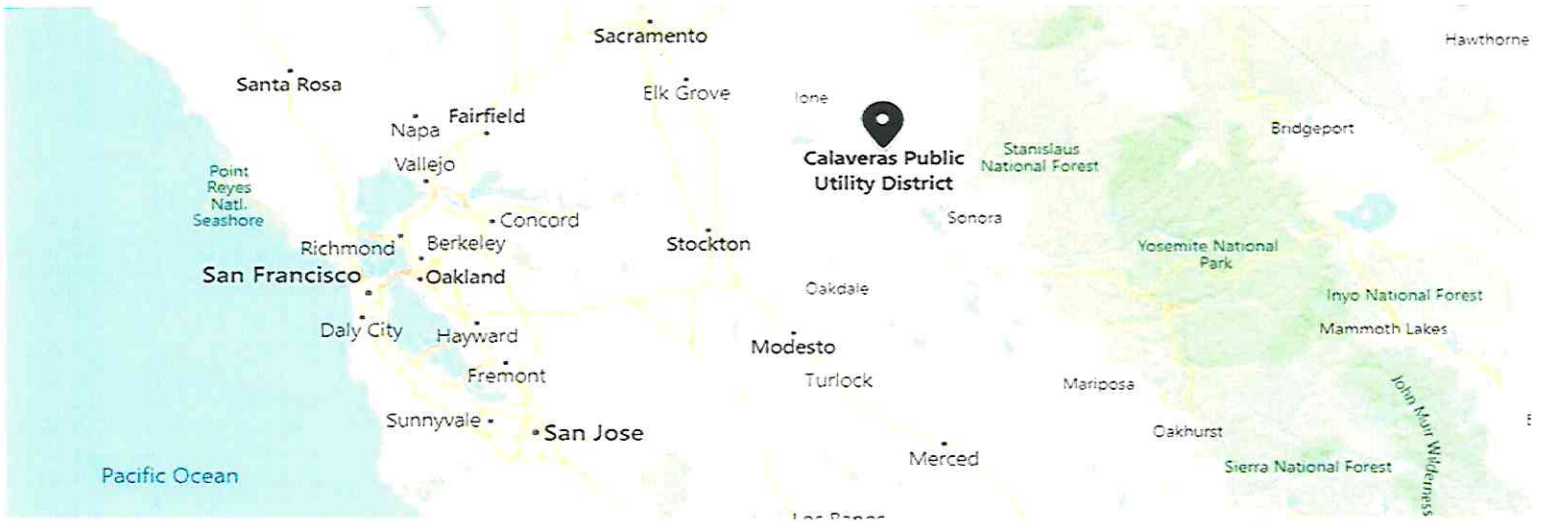
No leaks were detected at the time of survey. The areas around the correlation points were visually inspected and surveyed with an FCS-SYS-095 DXPro Ground Mic.

Location:

Valve at 746 Church Hill Rd. to Meter at 680 Church Hill Rd.

Hydrant	System Valve	Curb Stop	Diameter	Material	Length
	1	1	6"	Steel	595'

Water System Map



Legend

2 mi

Water Lines

Diameter

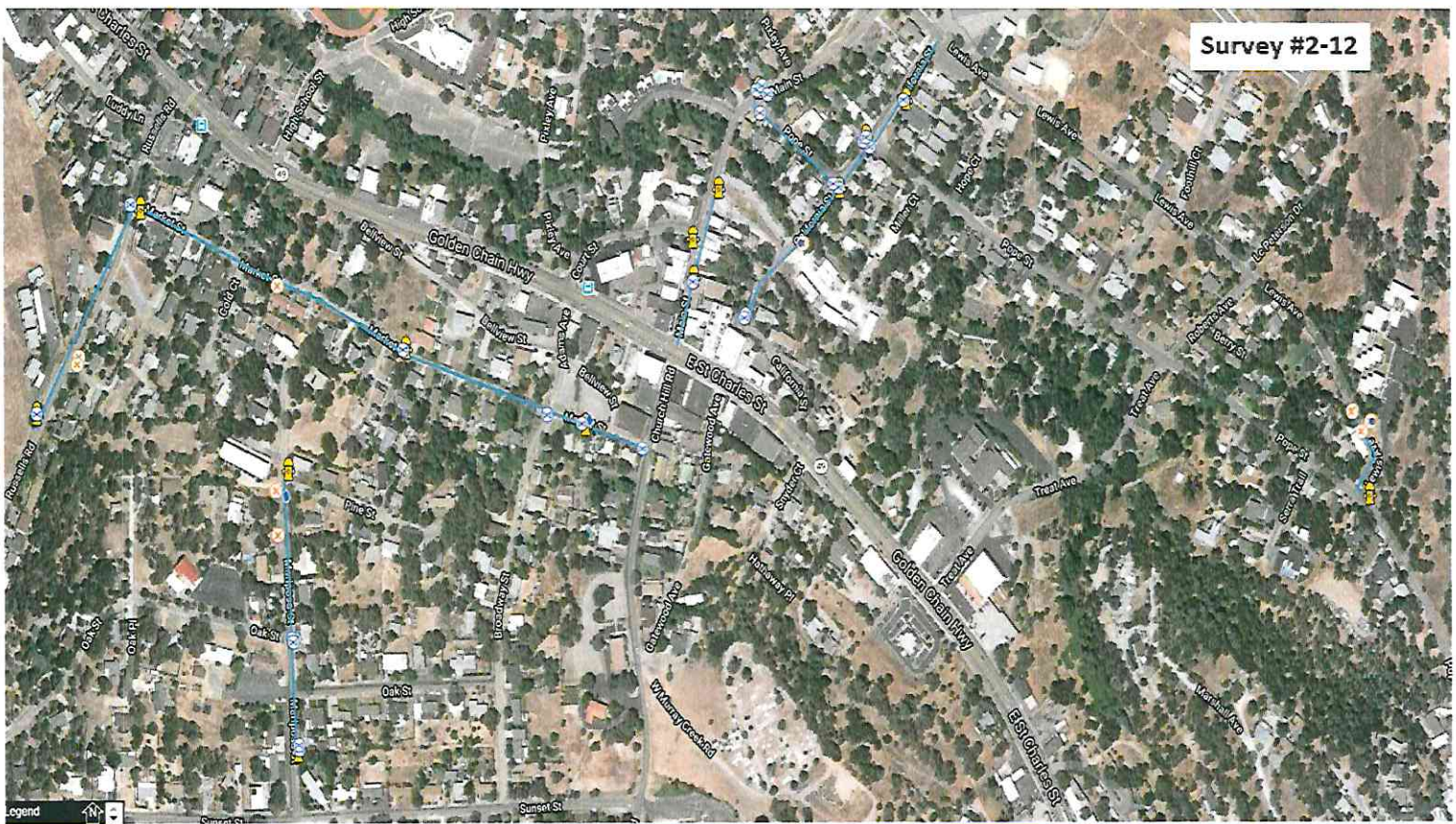
- (blank)
- 1"
- 1.25"
- 1.5"
- 2"
- 4"
- 8"
- 8"
- 10"
- 12"
- 18"
- 18"
- 20"
- 27"
- Unknown

Tanks

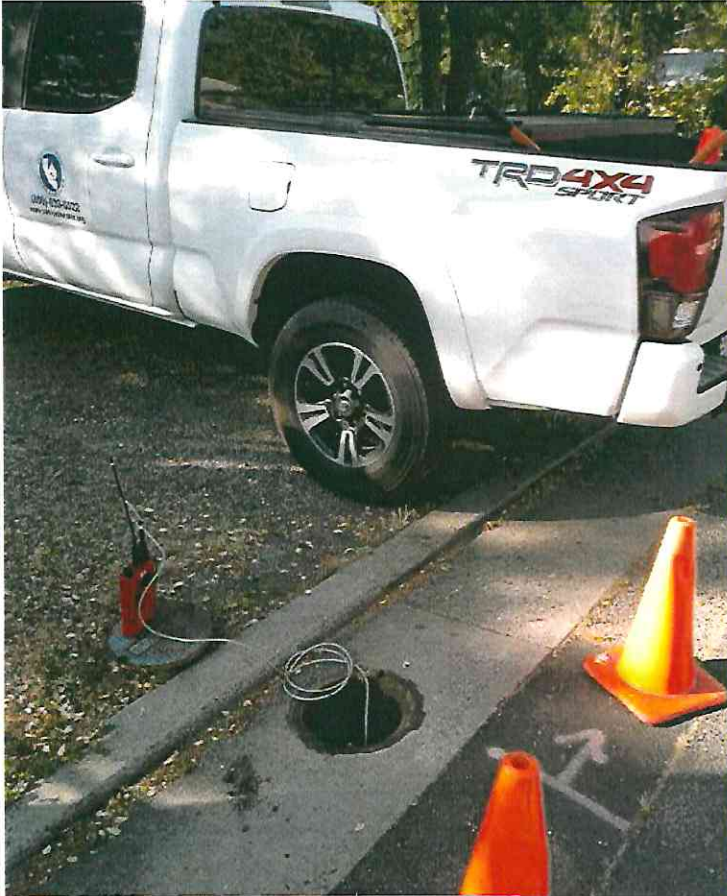
Hydros

Water Meter Locations - Route 1

CRWA Survey Maps



CRWA Survey Pictures



Update: 2019 FEMA Storm Damage Repair Projects

Discussion

The District has received notification of obligated funds for the storm damage repairs to be completed. The District Engineer is in the process of obtaining final permits prior to the project being advertised for bids. Provided below is an update of the project schedule related to February 2019 storm damages. Additional comments are included in the General Manager's Report (agenda item #11a).

The comments and project schedule below are also included in the Engineers Monthly Project Status Update.

2019 FEMA Storm Damage Projects #2789

- The District has been obligated for all of the damage categories. Permits are being finalized.

Estimated Project Schedule

Project Advertisement	June 11, 2020
Pre-Bid Meeting	June 23, 2020
Bid Opening	July 7, 2020
Bid Award	July 14, 2020
Begin Construction	August 10, 2020

*Pending issuance of permits

Staff Report

a. General Manager's Report – June 2020

Items listed below are in progress and not Agenized however open for comments or discussion.

1. **Operations Plan Update** – The update to the Operations Plan are under review by staff prior to submitting to the State.
2. **Ad Hoc Policy Updates** – The next committee meeting is scheduled for June 24, 2020.
3. **So. Fork Pump Station Motor/Pump #1** – The rebuild of impellers is complete and scheduled for installation in mid-June.
4. **SEIU** – The Board of Directors had a special meeting and will be scheduling a follow up meeting with SEIU to continue negotiations.
5. **ACRT** – The Manager is continuing working with ACRT and CalTrans to complete the permit and removal of the large oak tree to be removed near the Garamendi Hydro.
6. **DSOD** – The drawdown at Red Hawk reservoir continues per DSOD request. The reservoir was down 49” on May 29. Staff and contractor met on site to schedule and prepare for the repairs to be completed. This project is included with the FEMA – Storm Damage repairs.
7. **2019 February Storms Damages (FEMA 4431-DR-CA)** – District received notification from CalOES that funds are obligated for repairs. District engineer has submitted permits and pending approval prior to the projects going out to bid for repairs to be completed. Work on the projects is anticipated for late summer.
8. **EAP - Jeff Davis Reservoir** – Nothing to report. Pending response from CalOES.
9. **EAP - Middle Fork (CalOES/FERC)** – Nothing to report. Pending response from CalOES.
10. **Schaads Hydro unit** – The District replace the seals in the actuators as recommended. MarTech completed the rebuilds and is scheduled to reinstall the units at the end of June.
11. **District Mapping and Modeling** – Nothing to report.
12. **Diamond Maps** - Staff is continuing to add information into the Diamond Maps program. The next steps are adding the customer meter locations and district easements. Staff will be introduced to the program and provided training in the upcoming months.
13. **Billing and Account Software Updates** – The Manager and staff will continue researching billing and accounting software programs. The new software will exceed the amount budgeted for FY 2019/20 and will carry over to fiscal year 2020/21 for implementation.
14. **State Water Resources Control Board-Dept. of Water Resources (SWRCB-DWR)** – A draft report entitled *Small Water Suppliers and Rural Communities at Risk of Drought and Water shortage Vulnerability and Recommendation and Guidance to Address the Planning Needs of these Communities*. The Manager and engineer attend informational webinars which were to assist agencies in understanding the background of the program including

scoring methods. The District will be drafting a response to their public information. These were conducted to assist agencies in understanding the scoring and responses to The state has provided information for review and comment by June 30. The State is conducting two webinars in May which the Manager will attend.

- 15. CalFIRE – Fuels Reduction Grant** - CalFire reached out to the District and adjacent properties owners at the San Andreas Tank requesting support for their grant application for fuels reduction. The District has supplied the requested information to CalFire to support their application submittal. If approved work is anticipated for the spring of 2021.

Staff Report

- b. Legal Counsel Report
- c. Engineer's Report (attached)

Project Status Update

June 5, 2020

The following is a status update of projects WGA is currently working on:

General Engineering #2528

- Jail/Courthouse Waterline Dedication – no update
- Mokelumne Hill Fire Station in Paloma – Planning Commission approved the Conditional Use Permit, WGA is coordinating with the County Building Department to verify the District’s standards met
- Asset Mapping System (Diamond Maps) – Assisted with mapping of District easements and water meters
- Small Water Suppliers and Rural Communities at Risk of Drought and Water Shortage Vulnerability Report – Attended the County Drought Advisory Group conference call
- Pope Street/Mountain Ranch Road – no update

Court Street Waterline Replacement #2744

- See memo under the relevant agenda item.

2019 FEMA Storm Damage Projects #2789

- The District has been obligated for all of the damage categories. Permits are being finalized.

Estimated Project Schedule

Project Advertisement	June 11, 2020
Pre-Bid Meeting	June 23, 2020
Bid Opening	July 7, 2020
Bid Award	July 14, 2020
Begin Construction	August 10, 2020

*Pending issuance of permits

Drinking Water State Revolving Fund (DWSRF) Planning Grant Application #2798

- See the Authorizing Resolution/Ordinance to be presented under the relevant agenda item.
- The project team is working towards organizing a Workshop in August of 2020.
- The goal of the Workshop is to provide additional background information about scope and gain the Board’s support for the improvements moving forward.

Water Loss Control Program #2813

- WGA has completed the draft report based upon the AWWA Audit Software. WGA will refine and finalize data and schedule a District review of the draft.

#2528
2020-06-05Project Status Update.docx

Calaveras Public Utility District

MEMORANDUM

TO: Donna Leatherman, District Manager

FROM: Matt Ospital, District Engineer

RE: Billing Summary for February 2020

DATE: March 10, 2020

#2528	General Engineering Services Project status reports, meetings, document delivery, research and discuss line repair options, correspondence for Paloma Fire Station Project	\$2,348.50
#2744	Court Street Waterline Extension Plans, specifications and quantities, coordinate with County, Foley's engineer. Research pipe bursting.	\$1,175.25
#2789	2019 Storm Damage Review and update grants portal submittals, easement research for sites, FEMA correspondence, plan production, review Category Z protocol, project update memo, response to insurance RFI, ect.	\$7,824.50
#2798	SRLF Application and Project Planning Application form update, project status, project matrix, summary etc. for general application.	\$1,909.50
#2813	Water Loss Control Program Revised audit questions, enter audit data, update memo to CPUD.	\$1,909.50
#2815	Mountain Ranch Road-Pope Street Realignment Coord. with County for additional plans to CPUD.	\$325.00
	TOTAL	<u><u>\$15,492.25</u></u>

Board Members Report

Board Members Report are comments by Directors concerning District business, which may be of interest to the Board. This is placed on the agenda to enable individual Board members to convey information to the Board and to the public. There is to be no discussion or action taken by the Board of Directors unless the item is noticed as part of the meeting agenda

- a. Director Lavaroni – LAFCO Meeting Reminder (7/20/20)
- b. Director Blood – UMRWA Meeting Reminder (7/24/20)

Directors Comments



Upper Mokelumne River Watershed Authority

MEMORANDUM

TO: Member Agency General Managers and County Administrative Officers

COPY: Agency Officials Serving as UMRWA Directors

FROM: Richard Sykes, Executive Officer

SUBJECT: Comments Requested - UMRWA Member-funded Budget for FY 2021

DATE: May 18, 2019

At its April 24, 2020 meeting the UMRWA Board of Directors endorsed the FY 2021 Member-funded Authority Budget, including associated assessments, for Member Agency staff review and comment. FY 2021 Member-funded budget details are shown in the tables on page 2.

The Authority's 2021 fiscal year begins October 1, 2020. Any Member Agency with concerns regarding the FY 2021 budget and associated assessment is urged to submit those concerns to me by June 26th. Member Agency comments regarding the FY 2021 budget will be considered by the Board of Directors at its July 24th meeting. Please do not hesitate to contact me if you have any questions regarding the proposed FY 2021 budget.

Request: Please submit any comments on the FY 2021 UMRWA budget and member assessments by June 26. Please send comments via email to rsykes@sbcglobal.net.

Introduction

The total member-supported portion of the proposed FY 2021 UMRWA budget, including member in-kind contributions, is \$294,500. This is \$72,000 less than the current year amount of \$366,500.

The following budget narrative is organized into three sections. The first section identifies the Member funded UMRWA activities in FY 2021. The second section presents two tables showing the FY 2021 budget and the associated Member Agency assessments. The third section presents two tables displaying Authority-secured state and federal investments in the region.

I. Budgeted Member-Funded UMRWA Activities in FY 2021

The FY 2021 budget will fund the following activities next fiscal year beginning Oct. 1, 2020.

1. Board of Directors and Authority administration, including website support (\$120,000).
2. Stewardship Through Education local schools watershed education program (\$16,500).
3. Forest Health including fuels reduction and watershed restoration projects (\$100,000).
4. Prop 1 IRWM grant application for the Mokelumne-Amador-Calaveras Region (\$25,000).

II. Proposed Member-funded FY 2021 UMRWA Budget and Member Funding Assessments

The proposed Member funded FY 2021 budget is presented in Table 1 below. Table 2 displays the allocation of budgeted costs and the associated Member Agency assessment amounts per the UMRWA Budget Policy.

Table 1 – PROPOSED FY 2021 MEMBER FUNDED BUDGET

Programs	Categories	Member Funds	Total Member Funded Budget
Board and Authority Admin.	Executive Officer	50,000	120,000
	Administrative Officer	50,000	
	Web & Opti technical support	20,000	
Watershed Ed.	Public schools program (STE)	16,500	16,500
Forest Health	Pumpkin Hollow Project	--	100,000
	Cabbage Patch Project	--	
	Black Springs Project	--	
	Forest-related Grant Applications	75,000	
	Federal/state agency liaison & Board reports & meetings	25,000	
IRWM Grant Applications	Grant Application development	25,000	25,000
Total Cash Budget		261,500	261,500
Contributed Support*	Member Agency in-kind services	33,000	33,000
Total FY 2020 Budget		\$294,500	\$294,500
Less indirect fees and other revenues	Revenue sources: SNC, USFS, NFWF and interest earnings	(103,000)	(103,000)
Total Member Funded Amount		\$191,500	\$191,500

* Contributed Support Services include Amador County \$8,000 (Legal services) and EBMUD \$25,000 (Authority Secretary, Treasury, and Accounting services).

Table 2 – PROPOSED FY 2021 MEMBER AGENCY ASSESSMENTS

Formula % Share	Member Agency %	FY 2021 Allocation (\$)	In-kind Credit (\$)	FY2021 Assessment (\$)
Amador Entities 20%	Amador County – 9.2%	17,618	(8,000)	9,618
	Amador Water Agency – 9.2%	17,618	0	17,618
	Jackson Valley ID – 1.6%	3,064	0	3,064
Calaveras Entities 20%	Calaveras County – 6.0%	11,490	0	11,490
	Calaveras County WD – 9.6%	18,384	0	18,384
	Calaveras PUD – 4.4%	8,426	0	8,426
EBMUD 60%	EBMUD – 60%	114,900	(25,000)	89,900
TOTAL		\$191,500	\$33,000	\$158,500

III. UMRWA-secured Investment for Region

Over the past ten plus years UMRWA has been active in securing state and federal investments in the region. The two tables presented below summarize these.

UMRWA entered into a Master Stewardship Agreement with the USFS in 2016 to establish a working partnership directed at addressing some of the region’s major forest fuels and restoration needs. Using grant funding from the Sierra Nevada Conservancy and the National Fish & Wildlife Foundation to leverage USFS investments UMRWA has undertaken four forest fuels reduction and restoration projects (totaling 4,160 acres), an erosion control and drainage project, and a GIS forest planning project within the upper watershed. The projects and funding sources are shown in Table 3. Future additional projects are being planned and actively pursued.

Table 3 – UMRWA Secured Investments for Forest Fuels Reduction and Forest Restoration (FYs 2017 - 2020)

UMRWA Managed Forest Project	State & Federal Investment
Pumpkin Hollow – 948 acres (2017 - 2019)	
Sierra Nevada Conservancy Proposition 1 grant no. 1	\$ 500,000
USFS Master Stewardship Agreement and Pumpkin SPA	\$ 609,841
Pumpkin Hollow Project Total	\$ 1,109,841
Cabbage Patch – 1,219 acres (2018 – 2020)	
Sierra Nevada Conservancy Proposition 1 grant no. 2	\$ 500,000
USFS Master Stewardship Agreement and Cabbage SPA	\$ 736,000
Cabbage Patch Project Total	\$ 1,236,000
Black Springs – 1,825 acres (2019 – 2021)	
Sierra Nevada Conservancy Proposition 1 grant no. 3	\$ 717,000
USFS Master Stewardship Agreement and Black Springs SPA	\$ 648,000
Black Springs Project Total	\$ 1,648,000
West Calaveras Thin – 170 acres minimum (2020 - 2021)	
Sierra Nevada Conservancy Proposition 1 grant no. 3	\$ 283,000
USFS Master Stewardship Agreement and West Calaveras Thin SPA	\$120,000
Mule Deer Foundation	\$60,000
West Calaveras Thin Project Total	\$ 463,000
Forest Projects Mapping and Prioritization Project with ACCG (2020)	
SNC ‘Regional Forest and Fire Capacity Program’ grant	\$ 49,500
Forest Culverts and Drainage Improvements Project (2020)	
National Fish and Wildlife Foundation grant	\$ 1,346,610
	\$5,569,951

Table 4 presents Proposition 84 and Proposition 1 Implementation Grant funding awarded to UMRWA on behalf of Member Agencies during the years this statewide water resources program has existed (2011 – 2020).

Table 4 – UMRWA Implementation Grant ‘Pass Thru’ Awards and vs. Member Agency Assessments (FYs 2011 - 2020)

Funded Projects - Amador County	Agency	Project Grant Amount
Lake Camanche Tank Rehabilitation & Lateral Replacement Project – Phase 1	AWA	\$ 570,830
Amador Water System Leak Detection and Repair	AWA	\$ 256,030
Lake Camanche Lateral Replacement – Phase 2	AWA	\$ 562,175
Amador Raw Water Pipeline	AWA	\$ 5,070,828
Ione WTP Backwash	AWA	\$ 614,676
Total AMADOR Grant Funding vs. Assessments		\$ 7,074,539
Funded Projects - Calaveras County		
West Point Water Supply Reliability Project	CCWD	\$ 556,447
West Point Water Main and Tank Replacement Project	CCWD	\$ 1,471,139
Ponderosa Way Restoration Project	Cal. Co.	\$ 154,582
Total CALAVERAS Grant Funding vs. Assessments		\$ 2,182,168
Funded Projects - EBMUD Camanche Service Area		
Camanche Area Regional Water Supply Project – Phase 1	EBMUD	\$ 1,387,830
Total EBMUD Grant Funding vs. Assessments		\$ 1,387,830
	TOTALS	\$10,644,537

Distribution

Amador County

Chuck Iley
Brian Oneto

Calaveras County

Albert Alt
Jack Garamendi

Calaveras Public Utility District

Donna Leatherman
Richard Blood

East Bay MUD

Alex Coate
David Briggs
Mike Tognolini
John Coleman

Amador Water Agency

John Kingsbury
Rich Farrington

Calaveras County Water District

Michael Minkler
Jeff Davidson

Jackson Valley Irrigation District

Steven Fredrick
Ed Gonzalez

AGENDA ITEM 13

Adjournment (Next Regular Meeting on July 14, 2020 at 7:00 pm)

Action: Adjourn meeting

Motion 1st _____, **2nd** _____, **Carried** _____