



Board Meeting Agenda

Russ Baggerly, Director
Angelo Spandrio, Director
Brian Brennan, Director

Pete Kaiser, Director
James Word, Director

CASITAS MUNICIPAL WATER DISTRICT

Meeting to be held at the
Casitas Board Room
1055 Ventura Ave.
Oak View, CA 93022

March 13, 2019 @ 3:00 P.M.

Right to be heard: Members of the public have a right to address the Board directly on any item of interest to the public which is within the subject matter jurisdiction of the Board. The request to be heard should be made immediately before the Board's consideration of the item. No action shall be taken on any item not appearing on the agenda unless the action is otherwise authorized by subdivision (b) of §54954.2 of the Government Code and except that members of a legislative body or its staff may briefly respond to statements made or questions posed by persons exercising their public testimony rights under section 54954.3 of the Government Code.

1. Roll Call
2. Public comments (Items not on the agenda – three minute limit).
3. General Manager comments.
4. Board of Director comments.
5. Board of Director Verbal Reports on Meetings Attended.
6. Consent Agenda
 - a. Minutes from the February 27, 2019 meeting.

RECOMMENDED ACTION: Adopt Consent Agenda.
7. Review of District Accounts Payable Report for the Period of 2/21/19 - 3/06/19.

RECOMMENDED ACTION: Motion approving report.
8. Authorize General Manager to sign Task Order Amendment for engineering services to MNS Engineers, Inc. in the amount not to exceed

\$32,901 for Upper Rincon Lateral Pipeline Replacement Geotechnical and Trenchless Investigation.

RECOMMENDED ACTION: Motion approving recommendation

9. Authorize General Manager to sign Professional Services Agreement for engineering services to Pueblo Water Resources, Inc. in the not to exceed amount of \$65,000 for Gorham Well #1 Rehabilitation and San Antonio Well #4 Rehabilitation.

RECOMMENDED ACTION: Motion approving recommendation

10. Resolution awarding a contract to Legend Pump & Well Service, Inc, in the amount of \$125,497 and adopt the Notice of Exemption for the Gorham Well #1 Rehabilitation.

RECOMMENDED ACTION: Adopt Resolution

11. Authorize General Manager to sign Task Order Amendment for engineering services to MKN in the not to exceed amount of \$24,762 for Signal Booster Zone Preliminary Design.

RECOMMENDED ACTION: Motion approving recommendation

12. Authorize General Manager to sign Task Order for engineering services to MKN in the not to exceed amount of \$323,221 for Running Ridge Hydraulic Improvements Design.

RECOMMENDED ACTION: Motion approving recommendation

13. Presentation by Pueblo Water Resources of the Teague Groundwater Feasibility Assessment.
14. Discussion of 2019 State Water Project Table A Supply.
15. LCW Regional Summit Presentation by Sierra Watershed Progressive.
16. Board Priorities List Update.
17. Director Request: Discussion of Resolution 06-54 "Resolution Setting the Policy on Committee Meetings According to Government Code Section 54954(a)".

18. Information Items:

- a. Hydrologic Status Report for February, 2019.

- b. Engineering Status Report for March, 2019.
 - c. Water Consumption Report.
 - d. CFD 2013-1 Improvement, Bond Funds and Project Report.
 - e. Investment Report.
19. Future Agenda Items.
20. Adjournment.

If you require special accommodations for attendance at or participation in this meeting, please notify our office 24 hours in advance at (805) 649-2251, ext. 113. (Govt. Code Section 54954.1 and 54954.2(a)).



Minutes of the Casitas Municipal Water District
Board Meeting Held
February 27, 2019

A meeting of the Board of Directors was held February 27, 2019 at the Casitas Municipal Water District located at 1055 Ventura Ave. in Oak View, California. The meeting was called to order at 3:00 p.m. President Kaiser led the group in the flag salute.

1. Roll Call

Directors Spandrio, Brennan, Baggerly, and Kaiser were present. Director Word was absent. Also present were Mike Flood, Interim General Manager, Rebekah Vieira, Clerk of the Board, and Attorney Robert Kwong. There were two staff members and fifteen members of the public in attendance.

2. Public comments (Items not on the agenda – three minute limit).

Fred Drennan showed some pictures and suggested the diversion project be expanded to divert more water during peak storms. He asked that the board look at the feasibility of increasing the size of the diversion canal.

James Kazmarek showed a video and suggested that by laying plastic on the shoreline more water would be captured. It is a low tech project and low risk.

Richard Crawford also discussed the concept of the plastic sheeting and proposed doing a test over the next month to have a proof of concept.

Samantha Omana with Monique Limon's office introduced Michelle Sevilla as the new point person.

3. General Manager comments.

Mr. Flood reported that he attended the water commission meeting last night at the City of Ventura. They are making some decisions on the State Water Project supply. I contacted San Geronio. At this point the City of Ventura is planning to not do an exchange but a one year transfer. Costs are lower this year. We do not have a term sheet from San Geronio. Their Board needs to act on that. Once I have that I will discuss with the Executive committee and bring it to the board. I imagine it will be a similar deal as last year without the exchange component.

We had a presentation from Pueblo Water Resources at Water Resources and had a look at the report they will send us about the Teague test bores. We will bring that to the board on the 13th. The work they have done is thorough.

Mr. Flood showed pictures of Matilija and the sediment load and a picture of Robles showing sediment. He explained that he is working on a permit on this and have a meeting to get this project going in August.

As of Monday, we have been running solid for about two weeks. Lake rise from Jan 9th is 15.75 feet. a 20,500 af increase. The quality of water is getting better. There will be a report at Recreation committee next week on how good the turbidity curtains are doing.

4. Board of Director comments.

Director Brennan mentioned that the County of Santa Barbara does cloud seeding. Do we do that here? Director Baggerly explained it would be the County of Ventura and I have asked them and they said no. President Kaiser added we looked at in the past.

5. Board of Director Verbal Reports on Meetings Attended.

Director Spandrio attended the Upper Ventura River Groundwater Agency Budget Ad Hoc Committee and will present the revised fiscal 18/19 budget and proposed long range six year budget at the upcoming meeting.

Director Brennan attended the water issues meeting at AWA it very informative and informed of pending legislation. He also attended the Water Wise breakfast. He also attended a presentation of the Port Hueneme Historical Society on steelhead. It was enlightening. Director Brennan was also in attendance at the water commission meeting and encouraged the commission to send a letter to encourage the council to that because they have fallen behind in CIP projects to look for third party contractors to do the work.

6. Consent Agenda

ADOPTED

- a. Minutes from the February 13, 2019 meeting.

The Consent Agenda was offered by Director Baggerly, seconded by Director Brennan and adopted by the following roll call vote:

AYES:	Directors:	Spandrio, Brennan, Baggerly, Kaiser
NOES:	Directors:	None
ABSENT:	Directors:	Word

7. Review of District Accounts Payable Report for the Period of 2/07/19 - 2/20/19. APPROVED

On the motion of Director Brennan, seconded by Director Baggerly, the Accounts Payable Report was approved by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

8. Recommendation to deny request by Sam Chang for relief of the Conservation Penalty totaling \$345.00. REQUEST DENIED

On the motion of Director Baggerly, seconded by Director Brennan the above request for relief was denied by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

9. Recommendation to deny request by Richard Hodges for relief of the Conservation Penalty totaling \$805.00. REQUEST DENIED

On the motion of Director Brennan, seconded by Director Baggerly the above request for relief was denied by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

10. Recommendation to deny request by Stephanie Beas for relief of the Conservation Penalty totaling \$255.00. REQUEST DENIED

On the motion of Director Brennan, seconded by Director Spandrio the above request for relief was denied by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

11. Consideration of Surplus sale of District Assets. APPROVED

On the motion of Director Brennan, seconded by Director Baggerly, the items were designated as surplus and approved for sale by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None

ABSENT: Directors: Word

12. Authorize General Manager to complete necessary agreements to open a Custodial Account with U.S. Bank. APPROVED

On the motion of Director Baggerly, seconded by Director Brennan, the above recommendation was approved by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

13. Consideration of Upper Ventura River Groundwater Agency funding request. APPROVED

On the motion of Director Spandrio, seconded by Director Baggerly, the board supports funding option two which was approved by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

14. Authorize General Manager to Issue a Task Order to MNS Engineers, Inc. for professional engineering services for Emily Street and Canada Street Pipeline Improvements for a fee not to exceed \$55,510. APPROVED

On the motion of Director Baggerly, seconded by Director Spandrio the above recommendation was approved by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

15. Authorize General Manager to Issue a Task Order to Water Works Engineers, Inc. for Ventura-Santa Barbara Counties Intertie for a fee not to exceed \$762,759. APPROVED

On the motion of Director Baggerly, seconded by Director Spandrio the above recommendation was approved by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

16. Authorize General Manager to Sign Professional Services Agreement for Casitas-Ventura State Water Project Interconnection Preliminary Design with Kennedy Jenks for a fee not to exceed \$239,975. APPROVED

On the motion of Director Spandrio, seconded by Director Brennan the above recommendation was approved by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

17. Continuing discussion regarding Stage 4 Water Supply Condition at Lake Casitas.

Direction was provided to staff to remove this item from the agenda until such time as it needs to be reconsidered.

18. Discussion of budget for a proposal to process a State Implementation Policy Exception with the State Water Resources Control Board for quagga-related treatment from Blankinship & Assoc./Clean Lakes, Inc. in the amount of \$85,000. APPROVED

On the motion of Director Baggerly, seconded by Director Spandrio the above recommendation was approved by the following roll call vote:

AYES: Directors: Spandrio, Brennan, Baggerly, Kaiser
NOES: Directors: None
ABSENT: Directors: Word

19. Discussion of Primary Water Resources Proposal of January 15th, 2019 in regard to authorizing expenditure of District counsel funds for further investigation and vetting. NO ACTION TAKEN

Mr. Kwong explained that there is a need to do some due diligence on this so that the board is protected, there are no negative impacts, and you take on the relationship with open eyes and ears facing litigation with water rights because of action of the city of Ventura.

Ted Moore explained that it is best to hold off at this point as I would like to do more investigation. Pueblo is going to give a report on feasibility of drilling. We may disagree but I may want to come back and recast that proposal. And I need to spend more time talking it through with my attorney.

Director Spandrio suggested that he come back with his geologists and give a presentation to the board.

20. Director Request: Discussion of sending a letter of support for Ventura River Watershed Instream Flow Enhancement and Water Resiliency Regional Framework. No Action Taken

The board discussed a letter of support and determined that they would not provide a letter of support after hearing from counsel.

21. Director Request: Discussion regarding financial participation in the Localizing California Waters Regional Summit at the Ojai Valley Inn; April 29-30, 2019.

This item withdrawn at the request of the requestor – they will be here on the 13th.

22. Information Items:

- a. Executive Committee Minutes.
- b. Finance Committee Minutes.
- c. Water Resources Committee Minutes.
- d. Personnel Committee Minutes.
- e. Recreation Area Monthly Report for December, 2018.
- f. Water Consumption Report
- g. Investment Report.
- h. CFD 2013-1 Improvement, Bond Funds and Project Report

On the motion of Director Brennan, seconded by Director Spandrio, the Information items were approved for filing by the following roll call vote:

AYES:	Directors:	Spandrio, Brennan, Baggerly, Kaiser
NOES:	Directors:	None
ABSENT:	Directors:	Word

President Kaiser moved the meeting to closed session at 5:10 p.m.

23. Closed Session

- a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Government Code §54956.9(a) *Santa Barbara Channelkeeper v. State Water Resources Control Board; City of San Buenaventura*, San Francisco County Superior Court, Case No. CPF-14-513875.

President Kaiser moved the meeting back into open session at 5:28 p.m. and stated that no action was taken.

24. Adjournment.

President Kaiser adjourned the meeting at 5:28 p.m.

CERTIFICATION

Payroll disbursements for the pay period ending 02/23/19
Pay Date of 02/28/19
have been duly audited and are
hereby certified as correct.

Signed: Denise Collin 2/25/19
Denise Collin

Signed: _____
Signature

Signed: _____
Signature

Signed: _____
Signature

A/P Fund

Publication of check register is in compliance with Section 53065.6 of the Government Code which requires the District to disclose reimbursements to employees and/or directors.

000868 A/P Checks: 033076-033091
A/P Draft to P.E.R.S. 000000
A/P Draft to State of CA 000000
A/P Draft to I.R.S. 000000
Voids:

000869 A/P Checks: 033092-033239
A/P Draft to P.E.R.S.
A/P Draft to State of CA
A/P Draft to I.R.S.
Voids: 033133, 033151, 033165, 033166, 033167, 033168

Denise Collin 3/6/19
Denise Collin, Accounting Manager/Treasurer

Signature

Signature

Signature

ENDOR SET: 01 Casitas Municipal Water D
ANK: * ALL BANKS
ATE RANGE: 2/21/2019 THRU 3/06/2019

ENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
C-CHECK	VOID CHECK	V	3/06/2019			033133		
C-CHECK	VOID CHECK	V	3/06/2019			033151		
C-CHECK	VOID CHECK	V	3/06/2019			033165		
C-CHECK	VOID CHECK	V	3/06/2019			033166		
C-CHECK	VOID CHECK	V	3/06/2019			033167		
C-CHECK	VOID CHECK	V	3/06/2019			033168		

* * T O T A L S * *		NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:		0	0.00	0.00	0.00
HAND CHECKS:		0	0.00	0.00	0.00
DRAFTS:		0	0.00	0.00	0.00
EFT:		0	0.00	0.00	0.00
NON CHECKS:		0	0.00	0.00	0.00
VOID CHECKS:		6	0.00		
	VOID DEBITS		0.00		
	VOID CREDITS		0.00	0.00	

TOTAL ERRORS: 0

VENDOR SET: 01	BANK:	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
			6	0.00	0.00	0.00
BANK:	TOTALS:		6	0.00	0.00	0.00

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 2/21/2019 THRU 3/06/2019

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
0049	STATE OF CALIFORNIA State Withholding	D	2/27/2019	12,766.38		000000		12,766.38
0128	INTERNAL REVENUE SERVICE Federal Withholding	D	2/27/2019	33,123.84		000000		
	I-T3 201902251474 FICA Withholding	D	2/27/2019	36,655.96		000000		
	I-T4 201902251474 Medicare Withholding	D	2/27/2019	8,572.72		000000		78,352.52
0187	CALPERS PERS BUY BACK	D	2/27/2019	150.08		000000		
	I-PBP201902251474 PERS BUY BACK	D	2/27/2019	161.96		000000		
	I-PEB201902251474 PEPRA EMPLOYEES PORTION	D	2/27/2019	6,630.02		000000		
	I-PEM201902251474 PERS EMPLOYEE PORTION MGMT	D	2/27/2019	2,144.40		000000		
	I-PER201902251474 PERS EMPLOYEE PORTION	D	2/27/2019	6,431.82		000000		
	I-PRB201902251474 PEBRA EMPLOYER PORTION	D	2/27/2019	6,777.34		000000		
	I-PRR201902251474 PERS EMPLOYER PORTION	D	2/27/2019	10,075.79		000000		32,371.41
3997	Federal Management Services SAM Renewal 10430-771820R	R	2/22/2019	799.99		033076		799.99
0004	ACWA JOINT POWERS INSURANCE AU Health Insurance 2/19	R	2/27/2019	159,076.46		033077		159,076.46
1666	AT & T Acct#9391035541	R	2/27/2019	493.07		033078		493.07
0748	DEPT. OF FISH & WILDLIFE Fish & Game Prize Permit -LCRA	R	2/27/2019	64.89		033079		64.89
0086	E.J. Harrison & Sons Inc Acct#500546088	R	2/27/2019	578.39		033080		578.39
0596	HOME DEPOT Shingles, Siding, Lumber - TP	R	2/27/2019	2,018.71		033081		2,018.71
1270	SCOTT LEWIS Reimburse Expenses 1/19	R	2/27/2019	3,467.08		033082		3,467.08
3980	Gustavo Muro Jr. Reimburse Expenses 2/19	R	2/27/2019	203.94		033083		203.94
0625	OfficeTeam Admin Temp	R	2/27/2019	1,030.40		033084		1,030.40

VENDOR SET: 01 Casitas Municipal Water D
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 DATE RANGE: 2/21/2019 THRU 3/06/2019

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
0215	SOUTHERN CALIFORNIA EDISON							
I-022119a	Acct#2237011044	R	2/27/2019	27.23		033085		
I-022219a	Acct#2237011044	R	2/27/2019	30.19		033085		
I-022219b	Acct#2266156405	R	2/27/2019	707.31		033085		
I-022219c	Acct#2157697889	R	2/27/2019	696.63		033085		
I-022619	Acct#2312811532	R	2/27/2019	131.83		033085		1,593.19
0216	Southern California Gas Co.							
I-022719a	Acct#00801443003	R	2/27/2019	577.58		033086		
I-022719b	Acct#18231433006	R	2/27/2019	436.39		033086		1,013.97
03001	TimeClock Plus							
I-479565	Card Reader Retrofit - LCRA	R	2/27/2019	840.84		033087		840.84
0102	FRANCHISE TAX BOARD							
I-G03201902251474	Payroll Deduction	R	2/27/2019	50.00		033088		50.00
0124	ICMA RETIREMENT TRUST - 457							
I-DCI201902251474	DEFERRED COMP FLAT	R	2/27/2019	1,438.64		033089		
I-DI%201902251474	DEFERRED COMP PERCENT	R	2/27/2019	141.44		033089		1,580.08
0985	NATIONWIDE RETIREMENT SOLUTION							
I-CUN201902251474	457 CATCH UP	R	2/27/2019	230.77		033090		
I-DCN201902251474	DEFERRED COMP FLAT	R	2/27/2019	5,410.39		033090		
I-DN%201902251474	DEFERRED COMP PERCENT	R	2/27/2019	539.39		033090		6,180.55
0180	S.E.I.U. - LOCAL 721							
I-COP201902251474	SEIU 721 COPE	R	2/27/2019	35.00		033091		
I-UND201902251474	UNION DUES	R	2/27/2019	824.75		033091		859.75
0010	AIRGAS USA LLC							
I-9085614433	Gas Cylinders - LCRA	R	3/06/2019	273.38		033092		273.38
0012	ALL-PHASE ELECTRIC SUPPLY CO.							
I-5665-649890	Hinge Cover & Panel - EM	R	3/06/2019	383.61		033093		383.61
03954	Allen Instruments & Supplies,							
I-8506	GPS Device - ENG	R	3/06/2019	5,998.84		033094		
I-8822	Leveler, Tripod, Laser - ENG	R	3/06/2019	944.82		033094		6,943.66
01817	ALLIED ELECTRONICS, INC.							
I-9010651272	Tank Float Switches - EM	R	3/06/2019	446.41		033095		446.41

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 2/21/2019 THRU 3/06/2019

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
03044	Amazon Capital Services							
	C-1W71-9LTF-DNLLb D-1W71-9LTF-DNLLa I-1W71-9LTF-DNLL	R R R	3/06/2019 3/06/2019 3/06/2019	0.65CR 0.65 8.99		033096 033096 033096		8.99
00014	AQUA-FLO SUPPLY							
	I-SI1326386 I-SI1326906 I-SI1326920 I-SI1329888	R R R R	3/06/2019 3/06/2019 3/06/2019 3/06/2019	39.84 27.00 112.27 35.39		033097 033097 033097 033097		214.50
00840	AQUA-METRIC SALES COMPANY							
	I-DIR000090 I-INV0072480	R R	3/06/2019 3/06/2019	100.50 515.24		033098 033098		615.74
01666	AT & T							
	I-000012674338	R	3/06/2019	108.03		033099		108.03
01666	AT & T							
	I-000012675883	R	3/06/2019	20.71		033100		20.71
03429	AT&T							
	I-7626556409	R	3/06/2019	1,073.11		033101		1,073.11
00021	AWA OF VENTURA COUNTY							
	I-022719 I-06-11440	R R	3/06/2019 3/06/2019	105.00 200.00		033102 033102		305.00
00679	BAKERSFIELD PIPE & SUPPLY INC							
	I-S2559664.001	R	3/06/2019	79.51		033103		79.51
03498	Margaret Barfield							
	I-763087	R	3/06/2019	115.00		033104		115.00
00036	BC TREE SERVICE, INC							
	I-2979 I-2980	R R	3/06/2019 3/06/2019	950.00 350.00		033105 033105		1,300.00
04008	Ben Clark Training Center							
	I-030719	R	3/06/2019	59.00		033106		59.00
03207	BMI PacWest Inc.							
	I-011952 I-011953 I-012032	R R R	3/06/2019 3/06/2019 3/06/2019	611.79 603.04 559.00		033107 033107 033107		1,773.83

VENDOR SET: 01 Casitas Municipal Water D

BANK: AP ACCOUNTS PAYABLE

DATE RANGE: 2/21/2019 THRU 3/06/2019

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
03639	Bray Sales I-220/90007197	R	3/06/2019	10,773.91		033108		10,773.91
03059	Brenntag Pacific Inc. I-BPI920861	R	3/06/2019	432.33		033109		432.33
01295	BSN CONSTRUCTION I-021219	R	3/06/2019	18,501.50		033110		18,501.50
03702	Cannon Corporation I-68262	R	3/06/2019	11,480.17		033111		
	I-68263	R	3/06/2019	13,475.18		033111		24,955.35
02836	Gonzalo Carbajal-Ramirez I-022719	R	3/06/2019	912.00		033112		912.00
03021	Central Communications I-000013-294-231	R	3/06/2019	392.83		033113		392.83
01843	COASTAL COPY I-818543	R	3/06/2019	51.19		033114		
	I-839302	R	3/06/2019	597.16		033114		648.35
03988	John Cochran I-768527	R	3/06/2019	105.00		033115		
	I-768529	R	3/06/2019	105.00		033115		210.00
00071	COMMANDER PRINTED PRODUCTS I-108012	R	3/06/2019	1,120.76		033116		1,120.76
00062	CONSOLIDATED ELECTRICAL I-9009-786320	R	3/06/2019	73.27		033117		
	I-9009-786386	R	3/06/2019	7,388.55		033117		
	I-9009-786724	R	3/06/2019	465.25		033117		
	I-9009-786787	R	3/06/2019	866.83		033117		
	I-9009-787031	R	3/06/2019	44.74		033117		8,838.64
00331	COORDINATED WIRE ROPE I-83498	R	3/06/2019	191.80		033118		
	I-83547	R	3/06/2019	398.22		033118		590.02
00719	CORELOGIC INFORMATION SOLUTION I-81944751	R	3/06/2019	137.50		033119		137.50

VENDOR SET: 01 Casitas Municipal Water D

BANK: AP ACCOUNTS PAYABLE

DATE RANGE: 2/21/2019 THRU 3/06/2019

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
I-901669A	TOC Monitoring 2/6/19	R	3/06/2019	389.00		033132		
I-901999A	Nitrate Monitoring 2/12/19	R	3/06/2019	43.00		033132		
I-902000A	TOC Monitoring 2/11/19	R	3/06/2019	52.00		033132		
I-902283A	Nitrate Monitoring 2/19/19	R	3/06/2019	43.00		033132		4,543.00
0101	FISHER SCIENTIFIC							
I-0739808	Electrode - LAB	R	3/06/2019	204.35		033134		204.35
0400	Edward R. Fontyn							
I-781745	Day Use Refund - LCRA	R	3/06/2019	10.00		033135		10.00
0485	FRUIT GROWERS SUPPLY COMPANY							
I-92030915	Backpack Sprayer&Gloves -MAINT	R	3/06/2019	127.60		033136		127.60
01280	FRY'S ELECTRONICS, INC.							
I-7365014	UPS,Cat 6, Flash Drives - DO	R	3/06/2019	243.56		033137		
I-7367595	Ipad - BRD	R	3/06/2019	359.50		033137		
I-7370236	Cables - TP/MAINT	R	3/06/2019	33.09		033137		636.15
0115	GRAINGER, INC							
I-9093089259	Safety Glasses - MAINT	R	3/06/2019	76.57		033138		
I-9101084797a	Spill Kits, PPE, Tissues - TP	R	3/06/2019	227.78		033138		
I-9101084797b	Batteries - ADM	R	3/06/2019	6.15		033138		
I-9102958759	Hooded Coveralls - WHS	R	3/06/2019	84.04		033138		394.54
02488	Graybar Electric							
I-9308676435	Square D Panel - EM	R	3/06/2019	690.92		033139		
I-9308779787	Silicone Rubber Tape - EM	R	3/06/2019	94.49		033139		785.41
0746	GREEN THUMB INTERNATIONAL							
I-503637	Plants for Garden - DO	R	3/06/2019	179.17		033140		179.17
02217	Greg Rents							
I-4622	Cement Slurry - PL	R	3/06/2019	93.30		033141		
I-5923	Electric Snake Rental - ADM	R	3/06/2019	36.20		033141		129.50
02994	Pat Haidet							
I-754923	Camping Cancellation - LCRA	R	3/06/2019	975.00		033142		975.00
01052	HARBOR FREIGHT TOOLS USA, INC							
I-872138	Case, Rack, Hammer - TP	R	3/06/2019	70.69		033143		70.69
03700	HDR Engineering, Inc.							
I-1200172575	Camp Chafee Pipeline Phase 2	R	3/06/2019	1,677.44		033144		
I-1200172615	Camp Chafee Pipeline Phase 1	R	3/06/2019	2,147.08		033144		3,824.52

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00596	HOME DEPOT							
I-2303525	Bath Mat - UT	R	3/06/2019	33.80		033145		
I-4878681	Sheeting Plastic - PL	R	3/06/2019	592.88		033145		
I-7901610	Flashing - LCRA	R	3/06/2019	267.22		033145		
I-7901624	Flashing - LCRA	R	3/06/2019	54.31		033145		948.21
00894	HOSE-MAN, INC.							
I-5257631-001-05	Pressure Sprayer Parts - PL	R	3/06/2019	461.55		033146		461.55
00125	IDEXX DISTRIBUTION CORP							
I-3043108400	Colilert Test Kit - LAB	R	3/06/2019	965.12		033147		965.12
00127	INDUSTRIAL BOLT & SUPPLY							
I-196903-1	Pins - PL	R	3/06/2019	6.84		033148		6.84
01689	J.J. KELLER & ASSOCIATES, INC.							
I-9103698447	Employment Law Subscription	R	3/06/2019	1,059.38		033149		1,059.38
09910	J.W. ENTERPRISES							
I-307564	CT Pumping - AVE 1 PP	R	3/06/2019	76.50		033150		
I-307565	CT Pumping - VILLANOVA RES	R	3/06/2019	76.50		033150		
I-307566	CT Pumping - FAIRWAY LN	R	3/06/2019	76.50		033150		
I-307567	CT Pumping - 4M PP	R	3/06/2019	76.50		033150		
I-307568	CT Pumping - GRAND AVE	R	3/06/2019	76.50		033150		
I-307569	CT Pumping - 4M RES.	R	3/06/2019	76.50		033150		
I-307570	CT Pumping - SAN ANTONIO	R	3/06/2019	153.00		033150		
I-307571	CT Pumping - UPPER OJAI RES.	R	3/06/2019	76.50		033150		
I-307572	CT Pumping - 3M PUMP	R	3/06/2019	76.50		033150		
I-307573	CT Pumping - SIGNAL RES.	R	3/06/2019	76.50		033150		
I-307574	CT Pumping - FAIRVIEW RES.	R	3/06/2019	76.50		033150		
I-307575	CT Pumping - CASITAS DAM	R	3/06/2019	76.50		033150		
I-307576	CT Pumping - RINCON TANK	R	3/06/2019	76.50		033150		
I-307577	CT Pumping - BATES RD.	R	3/06/2019	76.50		033150		1,147.50
02344	Janitek Cleaning Solutions							
I-33434A	Janitorial Services - DO	R	3/06/2019	1,959.10		033152		1,959.10
03596	Margaret Kearns							
I-772185	Camping Cancellation - LCRA	R	3/06/2019	130.00		033153		130.00
01022	KELLY CLEANING & SUPPLIES, INC							
I-45289517	Janitorial Services - LCRA	R	3/06/2019	280.00		033154		280.00

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02598	Konecranes, Inc.							
I-154003127	Crane Inspection 10/18 - TP	R	3/06/2019	572.00		033155		572.00
03913	Eric Lane							
I-030119	Safety Boot Stipend	R	3/06/2019	170.00		033156		170.00
03991	Ana Lett							
I-771353	Camping Cancellation - LCRA	R	3/06/2019	71.00		033157		71.00
00527	LINCOLN AQUATICS							
I-NH783186	WP Filters - WP	R	3/06/2019	1,598.03		033158		1,598.03
03992	Tim Lynn							
I-752264	Camping Cancellation - LCRA	R	3/06/2019	109.00		033159		109.00
04001	Stephanie Manalad							
I-776927	Camping Cancellation - LCRA	R	3/06/2019	100.00		033160		100.00
04002	Luis Marquez							
I-758056	Camping Cancellation - LCRA	R	3/06/2019	175.00		033161		
I-758070	Camping Cancellation - LCRA	R	3/06/2019	175.00		033161		350.00
00329	MCMMASTER-CARR SUPPLY CO.							
I-87653097	Wind Socks - TP	R	3/06/2019	129.07		033162		129.07
02129	Tracy Medeiros							
I-030219	Workers Comp 1102WC180000001	R	3/06/2019	2,129.42		033163		2,129.42
00151	MEINERS OAKS ACE HARDWARE							
C-862519	Dishwasher Return - PL	R	3/06/2019	10.73CR		033164		
C-864418	Weed Killer - WP	R	3/06/2019	19.44CR		033164		
I-857893	Marking Paint - PL	R	3/06/2019	19.31		033164		
I-862034	Cable Lugs & Bolts - LCRA	R	3/06/2019	26.30		033164		
I-862496	Dishwasher & Union - PL	R	3/06/2019	31.49		033164		
I-863009	Cement - LCRA	R	3/06/2019	19.71		033164		
I-863556	Nozzle - PL	R	3/06/2019	21.84		033164		
I-863987	Bulbs - TP	R	3/06/2019	33.16		033164		
I-863988	Tape & Fittings - TP	R	3/06/2019	22.78		033164		
I-864438	Batteries, Cords, Tarp - TP	R	3/06/2019	56.17		033164		
I-864464	Tarps - UT	R	3/06/2019	328.65		033164		
I-864779	PVC Cover, Fittings, Conduit -EM	R	3/06/2019	41.39		033164		
I-864908	Clamps, Bolts, Screws - TP	R	3/06/2019	20.73		033164		
I-865097	Dowel, Spraypaint, Adapters - LCRA	R	3/06/2019	86.08		033164		
I-865143	Caulk & Brads - LCRA	R	3/06/2019	24.66		033164		
I-865259	Tape, Windex, Padlocks - MAINT	R	3/06/2019	38.02		033164		
I-865479	Traps & Bulbs - TP	R	3/06/2019	32.48		033164		
I-865791	Weed Fabric - WP	R	3/06/2019	47.81		033164		
I-865859	Cable Lugs, Pliers, Bolts - LCRA	R	3/06/2019	51.40		033164		

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I-865886	Sawzal & Pipe Straps - MAINT	R	3/06/2019	89.71		033164		
I-865971	Bulbs - LCRA	R	3/06/2019	15.59		033164		
I-866006	Bypass Lopper - FISH	R	3/06/2019	28.29		033164		
I-866032	Chisel,Sandpaper,Philips -LCRA	R	3/06/2019	39.07		033164		
I-866043	Bucket, Bondo, Paint - MAINT	R	3/06/2019	54.24		033164		
I-866107	Fastenings & Nuts - EM	R	3/06/2019	3.68		033164		
I-866122	Key - LCRA	R	3/06/2019	21.34		033164		
I-866123	Faucet - LCRA	R	3/06/2019	25.36		033164		
I-866142	Hose, Nozzle, Bucket - UT	R	3/06/2019	45.84		033164		
I-866146	Paintbrushes,Screwdriver -LCRA	R	3/06/2019	63.27		033164		
I-866149	Kneepads & Gloves - UT	R	3/06/2019	58.82		033164		
I-866184	Trash Can & Lumber - LCRA	R	3/06/2019	77.53		033164		
I-866221	Asphalt, Bolts, Screws - LCRA	R	3/06/2019	63.44		033164		
I-866291	Pail, Cleaner, Key - ENG	R	3/06/2019	26.12		033164		
I-866323	HD Box - LCRA	R	3/06/2019	3.85		033164		
I-866331	Joist & Faucet - LCRA	R	3/06/2019	44.66		033164		
I-866372	Nails - LCRA	R	3/06/2019	8.02		033164		
I-866529	Cleaner & Duster - LCRA	R	3/06/2019	45.86		033164		
I-866597	Bolts,Screws,Cable Ties - LCRA	R	3/06/2019	96.73		033164		
I-866660	PPE, Flashing, Fittings - LCRA	R	3/06/2019	28.96		033164		
I-866754	Cable Lugs,Blade,Asphalt- LCRA	R	3/06/2019	66.08		033164		
I-866779	Rake, Nozzle, Grease - FISH	R	3/06/2019	52.12		033164		
I-866781	Filters - TP	R	3/06/2019	34.73		033164		
I-866836	Bolts,Screws,Tube,Hose - LCRA	R	3/06/2019	45.58		033164		
I-866859	Wire - EM	R	3/06/2019	58.99		033164		
I-866879	Key,Respirator,Batteries-MAINT	R	3/06/2019	41.27		033164		
I-867068	Shovel - UT	R	3/06/2019	25.86		033164		2,036.82
03724	Michael K. Nunley & Associates							
I-5137	Engineering Services -Proj. 430	R	3/06/2019	2,595.00		033169		
I-5139	Engineering Services -Proj 424	R	3/06/2019	2,706.75		033169		
I-5201	Engineering Services -Proj 424	R	3/06/2019	203.75		033169		
I-5282	Engineering Serv.-Proj.421/422	R	3/06/2019	18,744.27		033169		
I-5300	Fish Screen Redesign - ENG	R	3/06/2019	13,710.24		033169		37,960.01
03444	Mission Linen Supply							
I-509293051	Uniform Pants - TP	R	3/06/2019	28.76		033170		
I-509339801	Uniform Pants - TP	R	3/06/2019	28.76		033170		
I-509387479	Uniform Pants - TP	R	3/06/2019	28.76		033170		86.28
03701	MNS Engineers, Inc.							
I-71987	Arc Flash Hazard Analysis-ENG	R	3/06/2019	14,665.45		033171		
I-71988	Upper Rincon Lateral - ENG	R	3/06/2019	155.00		033171		
I-71989	Wellfield Pipe Replace - ENG	R	3/06/2019	9,396.69		033171		
I-71990	Timber Cutoff Wall - ENG	R	3/06/2019	7,710.34		033171		
I-71991	Old Creek Rd Pipe Relocate-ENG	R	3/06/2019	6,797.00		033171		38,724.48

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04003	Nevin Musgrave							
I-775967	Camping Cancellation - LCRA	R	3/06/2019	115.00		033172		
I-775970	Camping Cancellation - LCRA	R	3/06/2019	55.00		033172		170.00
02185	Oasis Technology Inc.							
I-021119-1	SCADA Support 1/28-2/10	R	3/06/2019	8,000.00		033173		
I-022519-1	SCADA Support 2/11-2/24	R	3/06/2019	7,000.00		033173		15,000.00
00163	OFFICE DEPOT							
I-274276179001	Paper - LCRA	R	3/06/2019	142.19		033174		142.19
00625	OfficeTeam							
I-52902962	Admin Temp	R	3/06/2019	862.96		033175		
I-52952370	Admin Temp	R	3/06/2019	1,107.68		033175		1,970.64
01570	Ojai Auto Supply							
I-455513	Battery - Unit 9395	R	3/06/2019	76.27		033176		
I-456118	Battery & Terminal - Unit EZ1	R	3/06/2019	105.68		033176		181.95
00912	OJAI BUSINESS CENTER, INC							
I-14004a	Shipping, Copies, Folding-DO/LC	R	3/06/2019	118.48		033177		
I-14004b	Shipping - LAB	R	3/06/2019	205.02		033177		323.50
00165	OJAI LUMBER CO, INC							
I-1902-911149	Retaining Wall Boards - MAINT	R	3/06/2019	4,887.14		033178		
I-1902-911333	Sand Bags - PL	R	3/06/2019	378.03		033178		
I-1902-912262	Lumber - LCRA	R	3/06/2019	32.15		033178		
I-1902-912422	Roofing - LCRA	R	3/06/2019	237.61		033178		
I-1902-912708	Lumber - TP	R	3/06/2019	58.46		033178		
I-1902-912802	Shingles - LCRA	R	3/06/2019	85.56		033178		5,678.95
00947	CITY OF OJAI							
I-030419	Encroachment Permits	R	3/06/2019	600.00		033179		600.00
00941	PARK RANGERS ASSOCIATION							
I-022219	PRAC Membership - LCRA	R	3/06/2019	100.00		033180		100.00
04004	Derek Pinkard							
I-770707	Camping Cancellation - LCRA	R	3/06/2019	327.00		033181		327.00
00184	POWERSTRIDE BATTERY CO, INC							
I-V599232	Battery - Unit 46	R	3/06/2019	101.16		033182		
I-V599270	Battery - Unit 53	R	3/06/2019	138.69		033182		239.85

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02833 I-87614482	Praxair, Inc Liquid Oxygen - TP	R	3/06/2019	2,169.64		033183		2,169.64
03554 I-1699823	J. Harris Industrial Water Tre Water Softner Service - WP	R	3/06/2019	392.75		033184		392.75
00788 I-WON10011439	QUINN COMPANY Generator Maintenance - EM	R	3/06/2019	1,714.91		033185		1,714.91
00732 I-084047902	QUINN RENTAL SERVICES Backhoe Rental - PL	R	3/06/2019	3,947.78		033186		3,947.78
03979 I-022719	Edgar Ramos Jr. AWWA Conference Advance - UT	R	3/06/2019	912.00		033187		912.00
03993 I-753331	Donna Reyes Camping Cancellation - LCRA	R	3/06/2019	195.00		033188		195.00
04005 I-776728	Luz Reyes Camping Cancellation - LCRA	R	3/06/2019	336.00		033189		336.00
00306 I-10312	Rincon Consultants, Inc. Environmental Consulting - ENG	R	3/06/2019	5,150.00		033190		5,150.00
03651 I-INV-0579	Rincon, LLC PR Professional Services -MGMT	R	3/06/2019	3,250.00		033191		3,250.00
00313 I-25982	ROCK LONG'S AUTOMOTIVE Oil Service - Unit 28	R	3/06/2019	92.43		033192		92.43
02900 I-Feb 19	Greg Romey Reimburse Expenses 2/19	R	3/06/2019	152.30		033193		152.30
00197 I-314315	ROTO-ROOTER PLUMBERS Restroom Main Line Repair - DO	R	3/06/2019	705.25		033194		705.25
03556 I-94648	Safety Tek Industries Test Low Pressure Cylidner -TP	R	3/06/2019	92.40		033195		92.40
02837 I-2841	Sam Hill & Sons, Inc. Robles Screen Bay Cleanout-ENG	R	3/06/2019	46,813.89		033196		46,813.89
02756 I-1369135-IN I-1369181-IN	SC Fuels Gas & Diesel - LCRA Gas - DO	R R	3/06/2019 3/06/2019	3,199.55 3,650.06		033197 033197		6,849.61

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03994	Mary Lou Schill Camping Cancellation - LCRA	R	3/06/2019	327.00		033198		327.00
01345	MICHAEL SHIELDS Reimburse Expenses 3/19	R	3/06/2019	89.89		033199		89.89
00725	SMART & FINAL Cups & Distilled Water - TP	R	3/06/2019	34.37		033200		34.37
02003	Sostre Enterprises Inc. Website/CMS Fee Hosting	R	3/06/2019	249.00		033201		249.00
00215	SOUTHERN CALIFORNIA EDISON Acct#2210507034	R	3/06/2019	14,689.93		033202		
	I-030119 Acct#2210503702	R	3/06/2019	6,092.85		033202		
	I-030219 Acct#2269631768	R	3/06/2019	23.40		033202		
	I-030519a Acct#2237789169	R	3/06/2019	30.10		033202		
	I-030519b Acct#2210502480	R	3/06/2019	33,753.91		033202		54,590.19
03855	Southwest General Engineering, Robles Canal Panel Replace-ENG	R	3/06/2019	4,862.50		033203		4,862.50
02202	Stanley Pest Control Monthly Pest Control - WP	R	3/06/2019	170.00		033204		170.00
00048	STATE OF CALIFORNIA State Water Plan Payment	R	3/06/2019	155,542.00		033205		155,542.00
00048	STATE OF CALIFORNIA 1988 Drinking Water Bond	R	3/06/2019	152,533.74		033206		152,533.74
2840	Techstone Inc. Concrete Overlay Material-LCRA	R	3/06/2019	975.02		033207		975.02
1959	The Wharf Jeans for Pest. Spraying-MAINT	R	3/06/2019	75.55		033208		75.55
1372	TRANSCAT, INC Portable Calibration Kit - EM	R	3/06/2019	4,758.35		033209		4,758.35
0364	TRI-COUNTY OFFICE FURNITURE Office Furniture Adm Mgr. - DO	R	3/06/2019	3,177.27		033210		3,177.27

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00993 I-7286	TRI-COUNTY RHINO Tool Box - Unit 71	R	3/06/2019	563.06		033211		563.06
02323 I-030119	Mitch Tull Workers Comp 1102WC180000002	R	3/06/2019	1,899.68		033212		1,899.68
01662 I-025-251141	TYLER TECHNOLOGIES, INC. Monthly UB Online Fees	R	3/06/2019	153.00		033213		153.00
01268 I-106237148	ULINE Drum Truck - GAR	R	3/06/2019	358.44		033214		358.44
00225 I-18dsbfee671 I-220190088	UNDERGROUND SERVICE ALERT Regulatory Costs - ENG 89 New Ticket Charges	R R	3/06/2019 3/06/2019	146.66 156.85		033215 033215		303.51
03995 I-772589	Leanna Upchurch Camping Reduction - LCRA	R	3/06/2019	60.00		033216		60.00
01048 I-026228	VAUGHAN'S INDUSTRIAL REPAIR CO Balance Motor Ave 1 PP - EM	R	3/06/2019	1,409.00		033217		1,409.00
00257 I-022819a I-022819b	VENTURA RIVER WATER DISTRICT Acct#05-37500A Acct#03-50100A	R R	3/06/2019 3/06/2019	37.49 10.00		033218 033218		47.49
09955 I-003795 I-240501	VENTURA WHOLESALE ELECTRIC Signal Radio Installation - EM Line & Bucket - EM	R R	3/06/2019 3/06/2019	228.32 31.25		033219 033219		259.57
00247 I-030119	County of Ventura Encroachment Permits	R	3/06/2019	945.00		033220		945.00
03864 I-044143	County of Ventura Resource Man Code Compliance Staff Time-ENG	R	3/06/2019	32.37		033221		32.37
01362 I-1903-297601	WARREN DISTRIBUTING, INC DEF Fluid - PL	R	3/06/2019	191.71		033222		191.71
03203 I-3632	Water Systems Consulting, Inc. Casitas Hydraulic Model - ENG	R	3/06/2019	11,075.00		033223		11,075.00
00663 I-78056800 I-78075605	WAXIE SANITARY SUPPLY Wire Basket Kit - LCRA Sink Dispenser - LCRA	R R	3/06/2019 3/06/2019	36.92 179.07		033224 033224		215.99

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0330	WHITE CAP CONSTRUCTION SUPPLY							
I-10010073896	Adapter - PL	R	3/06/2019	15.92		033225		
I-10010099632	Broom & Wrench - UT	R	3/06/2019	70.32		033225		86.24
3996	Douglas Williams							
I-763356	Camping Cancellation - LCRA	R	3/06/2019	147.00		033226		147.00
4006	Robin Younkin							
I-773278	Camping Cancellation - LCRA	R	3/06/2019	71.00		033227		71.00
4007	Scott Younkin							
I-772557	Camping Cancellation - LCRA	R	3/06/2019	109.00		033228		109.00
I-000201902281475	MICK, DANIEL J UB REFUND	R	3/06/2019	5.11		033229		5.11
I-000201902281476	HOPCUS, JOHN UB REFUND	R	3/06/2019	69.61		033230		69.61
I-000201902281477	OJAI VALLEY INN UB REFUND	R	3/06/2019	8.90		033231		8.90
I-000201902281480	GLUCK, THOMAS UB REFUND	R	3/06/2019	24.55		033232		24.55
I-000201902281479	JAMES HOWATT UB REFUND	R	3/06/2019	21.36		033233		21.36
I-000201902281478	LIPTON, ILENE UB REFUND	R	3/06/2019	29.93		033234		29.93
I-000201902281481	ADAMSON, THANO & KAT UB REFUND	R	3/06/2019	12.02		033235		12.02
I-000201902281482	OAK TREE PROPERTY MA UB REFUND	R	3/06/2019	21.36		033236		21.36
I-000201902281484	FERGUSON, LINDSEY UB REFUND	R	3/06/2019	21.32		033237		21.32
I-000201902281483	PATTY, DUFF UB REFUND	R	3/06/2019	9.51		033238		9.51

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 2/21/2019 THRU 3/06/2019

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
1	I-000201903051485							
	SOUTHWEST V DITCH							
	UB REFUND	R	3/06/2019	500.00		033239		500.00

* * T O T A L S * *

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	158	873,457.18	0.00	873,457.18
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	3	123,490.31	0.00	123,490.31
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	0	VOID DEBITS	0.00	
		VOID CREDITS	0.00	
			0.00	0.00

TOTAL ERRORS: 0

VENDOR SET: 01	BANK: AP	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
			161	996,947.49	0.00	996,947.49
BANK: AP	TOTALS:		161	996,947.49	0.00	996,947.49
REPORT TOTALS:			161	996,947.49	0.00	996,947.49

**Casitas Municipal Water District
Reimbursement Disclosure Report (1)
Fiscal Year 2017/18
July 1, 2018-June 30, 2019**

<u>Date paid</u>	<u>Board of Director/Employee</u>	<u>Description</u>	<u>Amount Paid</u>
7/3/2018	Ken Grinnell	Reimburse Mileage	328.09
7/3/2018	Ken Grinnell	Conference Hotel	158.74
7/11/2018	Gerardo Herrera	English Composition Course Fee & Supplies	311.16
7/11/2018	Gerardo Herrera	Safety Boots	170.00
7/18/2018	Michael Gibson	PPE - Convertible Waders/Wading Boots	634.27
8/1/2018	Eric Grabowski	Water Management Course Fee	334.16
8/1/2018	Eric Grabowski	T3 Certification Exam Fee	100.00
8/1/2018	Mario Mariscal	Water/Wastewater Calculation Course Fee	138.00
8/22/2018	Stuart Birdsey	Trailer Storage Banners	152.89
8/22/2018	Stuart Birdsey	Ranger Training Course Fee	145.50
8/22/2018	Lindsay Cao	CWEA Membership Renewal Fee	188.00
8/29/2018	Luke Soholt	Ventura County Possessory Tax	391.47
9/5/2018	David Pope	Safety Boots	170.00
9/12/2018	Bill Hicks	Reimburse Mileage	106.28
9/19/2018	Vincent Godinez	Reimburse Mileage	115.54
9/19/2018	Vincent Godinez	Control Valve Course Hotel Fee	143.44
9/26/2018	Scott Lewis	Hotel 8/25-8/31	634.90
9/26/2018	Scott Lewis	Airfare to CMWD 8/25-9/1	431.60
9/26/2018	Scott Lewis	Airfare to CMWD 9/22-9/29	301.60
10/3/2018	Kyler Heath	Advanced Report Writing Course Fee	176.98
10/17/2018	Scott Lewis	Hotel 9/22-9/29	608.01
10/17/2018	Scott Lewis	Car Rental 9/22-9/29	417.59
10/24/2018	Carol Belser	Ranger Badge	108.00
10/31/2018	Steven Sharp	D4 Certification Exam Fee	130.00
10/31/2018	Michael Shields	D5 Certification Exam Fee	155.00
11/7/2018	Lindsay Cao	PE License Renewal	115.00
11/7/2018	Joe Evans	Propeller for Unit 289	366.35
11/7/2018	Scott Lewis	Hotel 10/23-10/28	406.15
11/7/2018	Scott Lewis	Airfare to CMWD 10/23-10/28	405.61
11/7/2018	Scott Lewis	Car Rental 10/23-10/28	452.49
11/7/2018	Scott Lewis	Airfare to CMWD 11/13-11/18	380.59
11/7/2018	James Word	Reimburse Mileage	134.82
11/14/2018	Russ Baggerly	Reimburse Mileage	129.17
12/5/2018	Bill Hicks	Reimburse Mileage	152.60
12/5/2018	Bill Hicks	Reimburse Mileage	237.08
12/5/2018	Eric Lara	Safety Boots	107.70
12/12/2018	Scott Lewis	Hotel 11/13-11/18	520.35
12/12/2018	Scott Lewis	Car Rental 11/13-11/18	446.81
12/19/2018	Joe Evans	Boat Cover Repair	100.00
12/19/2018	Mario Mariscal	Cla-Val Workshop Advance	315.00
12/19/2018	Luis Mejia	Cla-Val Workshop Advance	315.00
12/26/2018	Gerardo Herrera	Associate Degree Course	320.00
1/9/2019	James Word	Reimburse Mileage	136.25
1/16/2019	Gerardo Herrera	Safety Boots	170.00
1/16/2019	Ronald Quinine	PC 832 Course Fee	145.50
1/16/2019	Scott Lewis	Hotel 12/10-12/19	813.91
1/16/2019	Scott Lewis	Airfare to CMWD 12/10-12/19	782.61
1/16/2019	Scott Lewis	Car Rental 12/10-12/19	579.48
1/16/2019	Scott Lewis	Fall Tuition	1928.97
1/30/2019	David Pope	Work Shirts	140.50
1/30/2019	Greg Romey	Training Lunch	183.06
1/30/2019	Greg Romey	ASSP Safety Conference Fee	715.00
2/13/2019	Eric Behrendt	Safety Boot Stipend	170.00
2/13/2019	Scot Byron	Safety Boot Stipend	170.00
2/13/2019	Lindsay Cao	Safety Boot Stipend	170.00

**Casitas Municipal Water District
 Reimbursement Disclosure Report (1)
 Fiscal Year 2017/18
 July 1, 2018-June 30, 2019**

2/13/2019	Gonzalo Carbajal-Ramirez	Safety Boot Stipend	170.00
2/13/2019	Kevin Champlin	Safety Boot Stipend	170.00
2/13/2019	Virgil Clary	Safety Boot Stipend	170.00
2/13/2019	Joel Cox	Safety Boot Stipend	170.00
2/13/2019	Todd Evans	Safety Boot Stipend	170.00
2/13/2019	Ramiro Garcia	Safety Boot Stipend	170.00
2/13/2019	Vincent Godinez	Safety Boot Stipend	170.00
2/13/2019	Debbie Gomez	Safety Boot Stipend	170.00
2/13/2019	Eric Grabowski	Safety Boot Stipend	170.00
2/13/2019	Ken Grinnell	Safety Boot Stipend	170.00
2/13/2019	Willis Hand	Safety Boot Stipend	170.00
2/13/2019	Gerardo Herrera	Safety Boot Stipend	170.00
2/13/2019	Lisa Kolar	Safety Boot Stipend	170.00
2/13/2019	Eric Lara	Safety Boot Stipend	170.00
2/13/2019	Tim Lawson	Safety Boot Stipend	170.00
2/13/2019	Ivan Lopez	Safety Boot Stipend	170.00
2/13/2019	Scott MacDonald	Safety Boot Stipend	170.00
2/13/2019	Mario Mariscal	Safety Boot Stipend	170.00
2/13/2019	Levi Maxwell	Safety Boot Stipend	170.00
2/13/2019	Cinnamon McIntosh	Safety Boot Stipend	170.00
2/13/2019	Susan McMahon	Safety Boot Stipend	170.00
2/13/2019	Tracy Medeiros	Safety Boot Stipend	170.00
2/13/2019	Luis Mejia	Safety Boot Stipend	170.00
2/13/2019	Curtis Orozco	Safety Boot Stipend	170.00
2/13/2019	David Pope	Safety Boot Stipend	170.00
2/13/2019	Edgar Ramos	Safety Boot Stipend	170.00
2/13/2019	William Reeder	Safety Boot Stipend	170.00
2/13/2019	William Reeder	T4 Certification Fee	105.00
2/13/2019	Michael Robles	Safety Boot Stipend	170.00
2/13/2019	Steven Sharp	Safety Boot Stipend	170.00
2/13/2019	Luke Soholt	Safety Boot Stipend	170.00
2/13/2019	Jordan Switzer	Safety Boot Stipend	170.00
2/13/2019	Brian Taylor	Safety Boot Stipend	170.00
2/13/2019	Cameron Tindle	Safety Boot Stipend	170.00
2/13/2019	Aaron Wall	Safety Boot Stipend	170.00
2/20/2019	Todd Evans	GIS Summit Fee	100.00
2/20/2019	Joe Evans	VC Star Advertisement Fee	124.98
2/20/2019	Gustavo Muro	Safety Boot Stipend	170.00
2/27/2019	Scott Lewis	Airfare to CMWD 1/13-1/20	585.01
2/27/2019	Scott Lewis	Airport Parking	120.00
2/27/2019	Scott Lewis	Car Rental 1/13-1/20	501.88
2/27/2019	Scott Lewis	Hotel 1/13-1/20	682.37
2/27/2019	Scott Lewis	AFS Membership Fee	115.00
2/27/2019	Scott Lewis	Airfare to CMWD 2/1-2/6	648.00
2/27/2019	Scott Lewis	Hotel 2/1-2/6	497.85
2/27/2019	Gustavo Muro	LA Geospatial Summit Fee	100.00
3/6/2019	Gonzalo Carbajal-Ramirez	AWWA Conference Advance	912.00
3/6/2019	RJ Faddis	Fred Hall Show 3/14-3/18 Advance	1535.36
3/6/2019	RJ Faddis	Fred Hall Show 3/27-4/1 Advance	2396.80
3/6/2019	Eric Lane	Safety Boot Stipend	170.00
3/6/2019	Edgar Ramos	AWWA Conference Advance	912.00
3/6/2019	Greg Romey	Coffee for Staff During Main Line Break	152.30

1) Reimbursement Disclosure Report prepared pursuant to California Government Code 53065.5

**CASITAS MUNICIPAL WATER DISTRICT
MEMORANDUM**

TO: MICHAEL FLOOD, GENERAL MANAGER
FROM: TODD EVANS, ASSISTANT ENGINEER
SUBJECT: AUTHORIZE GENERAL MANAGER TO SIGN TASK ORDER
AMENDMENT FOR PROFESSIONAL ENGINEERING SERVICES
WITH MNS ENGINEERS, INC FOR UPPER RINCON LATERAL
PROJECT
DATE: 3/13/2019

RECOMMENDATION:

It is recommended the Board of Directors authorize the General Manager to issue a Task Order Amendment for professional engineering services to MNS Engineers, Inc., to conduct a geotechnical investigation for the Upper Rincon Lateral project in the amount not to exceed \$32,901.

BACKGROUND AND DISCUSSION:

The portion of the Upper Rincon Lateral being considered for replacement is located adjacent to Highway 150 near the border between Ventura and Santa Barbara Counties at mile post 0.5. The District intends to replace approximately 1,800 feet of existing 6-inch pipe with 8-inch pipe.

The pipe crosses under the highway and runs approximately 1,600 feet parallel between Highway 150 and Casitas Creek. This stretch of pipeline is subject to high pressure and has experienced leaks as it nears the end of its service life. The District would like to proactively replace the pipe. MNS completed a Preliminary Design Letter Report and identified the option of installing the pipe in the Caltrans right-of-way. When feasible, Caltrans requires utility infrastructure to be installed utilizing trenchless methods. Geotechnical investigation is needed to determine feasibility of and appropriate trenchless methods. The scope of work includes geotechnical investigation by means of five to six hollow stem auger borings, geotechnical laboratory testing and a geotechnical report.

BUDGET IMPACT:

The FY 18-19 budget contained \$50,000 for design. Of the total budget, \$17,065 is encumbered, leaving \$32,935 to fund this work.

Attachment: Proposal from MNS Engineers, Inc. dated March 6, 2019

March 6, 2019

Casitas Municipal Water District
Attention: Todd Evans, Assistant Engineer
1055 Ventura Avenue
Oak View, CA 93022

SUBJECT: Upper Rincon Water Main Replacement Project – Amendment Request No. 1

Dear Mr. Evans:

Thank you for the opportunity to submit this amendment request for the Upper Rincon Water Main Replacement (Project) for Casitas Municipal Water District (Casitas, District).

Project Understanding

The District plans to replace a portion of the Upper Rincon Water Main consisting of approximately 1,900 linear feet of 6-inch high pressure welded steel pipe. The Upper Rincon Water Main conveys water from the Rincon Main west, towards Carpinteria. The portion of the Upper Rincon Water Main to be replaced begins at an existing pressure regulating vault on the west side of the project area and extends to the 18-inch Rincon Main on the east side of the project area (see below and Figures 1 and 2, provided as Appendix A) near Mission Ranch Road. The existing main has reached the end of its useful life, resulting in a significant failure. An increase in capacity is not required. The existing water main is installed on a graded path between Casitas Creek (Creek) and Casitas Pass Road; Casitas Pass Road is a California Department of Transportation (Caltrans) Right-of-way (ROW), also known as California State Route 150 (Highway 150).

MNS is currently finalizing a planning study to guide the detailed design of the project. Based on the draft planning study, the District has indicated a preference for installing the replacement pipeline within the traveled lanes of Highway 150, which is Caltrans Right of Way. When feasible, Caltrans requires utility infrastructure to be installed utilizing trenchless. To determine feasibility of installation by this method, a geotechnical study is required.

Scope of Work

MNS proposes to perform a geotechnical study in support of the Upper Rincon Water Main Replacement for the District. A description of tasks and responsibilities are described as follows.

Task 6 – Geotechnical Investigation

With support from our subcontractor, Oakridge Geoscience, Inc. (Oakridge), we will perform a geotechnical investigation in support of the proposed pipeline alignment. A detailed scope of services for Oakridge is provided as an attachment. In general, fieldwork to be performed includes data review and permitting, 5-6 hollow stem auger borings, geotechnical laboratory testing, and geotechnical evaluation and reporting.

We will submit a draft geotechnical report for review and discussion with Casitas. Following receipt of comments from the District, we will revise the report to final. MNS will coordinate the geotechnical study and provide an independent review of each deliverable prior to submittal to the District.

Upon completion of the geotechnical report, MNS will coordinate with the District to develop recommendations for next steps in the planning and design process for the project, including developing revised construction cost estimates based on the results of the investigation.



Fees

MNS proposes to perform the services described herein on a time and materials basis for a not-to-exceed fee estimate of **\$32,901**. A detailed fee proposal spreadsheet is provided as an attachment. All fees are in accordance with the fee schedule included in the MNS on-call engineering services contract.

Closing

Thank you for the opportunity to submit this proposal. We are excited and look forward to working with the District. Please feel free to contact me with any questions you may have about our submittal at 805.592.2074 or npanofsky@mnsengineers.com. Thank you for your consideration.

Sincerely,
MNS Engineers, Inc.



Nick Panofsky, PE
Supervising Engineer

Attachments: (1) Oakridge Geoscience Scope of Services
(2) Detailed Fee Estimate





PO Box 2540, Camarillo, California 93011
www.Oakridgegeo.com
805-603-4900

March 1, 2019
Project No. OGI0200

MNS Engineers
201 East Calle Cesar Chavez, Suite 300
Santa Barbara, California 93103

Attention: Mr. Nicholas Panofsky, P.E.

Subject: Proposal for Geotechnical Services, Upper Rincon Water Main Replacement, Casitas Water District, Casitas Pass Road, California

Dear Nicholas:

Oakridge Geoscience, Inc. (OGI) is pleased to provide this proposal for geotechnical services for the Upper Rincon Water Main Replacement on highway SR150 east of Carpinteria in Ventura County. As described in the draft Preliminary Design Letter Report (PDLR) by MNS Engineers dated November 14, 2018, Casitas Municipal Water District (CMWD) is planning to replace about 1,900 lineal feet of 6-inch diameter high pressure welded steel water pipeline. As described in the PDLR, the portion of the Upper Rincon Water Main to be replaced begins at an existing pressure regulating vault on the west side of the project area and extends about 1,900 feet southeastward to the 18-inch Rincon Main on the east side of the project area near Mission Ranch Road. The existing alignment is located on a graded path between Casitas Creek on the southern side and SR150 on the northern side.

PURPOSE

The PDLR includes discussion of several potential replacement alternatives, including horizontal directional drilling within/along the SR150 alignment. The purpose of this study is to evaluate geotechnical conditions along the proposed alignment and provide geotechnical design recommendations for potential alignment replacement using HDD construction methods.

PROPOSED WORK SCOPE

Based on review of the PDLR and our understanding of the project, we propose the following scope of work consisting of data review, field exploration, laboratory testing, and geotechnical evaluation and reporting. Based on our initial review of regional geologic maps, the proposed alignment is not within a large landslide or other geohazard zone as identified by the State of California.

Task 1 – Data Review and Permitting

We will review pertinent drawings provided by MNS and CMWD for the pipeline relocation project, historical aerial photographs, and regional geologic/geotechnical data to characterize the overall site conditions and provide data to finalize the exploration locations. We will apply for a Caltrans encroachment permit (Double permit) with the Casitas Municipal Water District (CMWD) as the primary encroachment permit holder. The minimum fee for the double permit is typically \$984.

Task 2 – Field Exploration

We propose to advance five to six hollow-stem-auger drill holes (about 400 foot spacing) near the proposed pipeline relocation alignment to a depth of about 15 feet or refusal, whichever occurs first. We have budgeted two days of drilling assuming normal Caltrans requirements of work between 9 AM to 3 PM with lane closure traffic control on SR150 (two travel lanes reduced to one lane). Traffic control will be provided by our subconsultant, Total Barricade Service (TBS). TBS will provide a traffic control plan (assume one generic plan useable for five drill hole locations) and two days of lane closure traffic control with a two-man team to direct traffic. Pending utility clearance, we likely will advance the drill holes near the northern shoulder of the traveled way. We anticipate that we can advance two to three drill holes per day, with five drill holes in the Caltrans easement and one drill hole along Mission Ranch Road. Soil samples will be recovered at about 2-1/2-foot intervals to about 10 feet and at 5-foot intervals to drilling termination for laboratory testing. Our field geologist will log the recovered samples in general accordance with ASTM D2488 for visual soil classification. The drill holes will be backfilled with cuttings mixed with cement to make soil-cement and tamped into the drill hole with the drill rig hammer. The surface will be capped with quick-set cement dyed black.

Prior to field exploration, OGI will perform a site reconnaissance to locate and mark the exploration locations for coordination with Underground Service Alert. OGI will not be responsible for mislocated or unlocated utilities. We have assumed the exploration will be performed in Caltrans easement and that the drilling location will be accessible with a standard truck-mounted drill rig. Alternatively, if the pipeline is located in the original alignment (dirt path), alternative exploration equipment and brush/tree clearing will be required to access the exploration locations.

Task 3 – Geotechnical Laboratory Testing

We will perform geotechnical laboratory testing on selected earth materials sampled in the drill hole to estimate engineering parameters of the sampled soil materials. The laboratory testing program is expected to consist of moisture/density relationships, grain size, Atterberg limits (plasticity), shear strength, compaction, and limited soil chemistry for corrosion (pH, resistivity, sulfates, and chlorides).

Task 4 - Geotechnical Evaluation and Reporting

After completion of the field exploration, we will evaluate the findings and incorporate them into the geotechnical design report for the pipeline relocation project. The report will include the drill hole logs, laboratory test results, and geotechnical design criteria for the pipeline relocation. The report will provide:

- Summary of soil and groundwater conditions encountered;
- Suitability of onsite soil for use as fill and select fill material;
- Anticipated excavation conditions;
- Grading recommendations, consisting of clearing and grubbing, stockpiling topsoil (if applicable), preparation of areas to receive fill, thickness of lifts; and
- Assess the geotechnical feasibility of installing the proposed 6-inch diameter pipeline using HDD techniques including evaluation of soil and rock engineering parameters, groundwater considerations, and drilling procedure as described in ASCE Engineering Practice Manual 108 - Pipeline Design for Installation by Horizontal Directional Drilling. Provide pipeline design parameters including soil modulus per Amster Howard (2015), Pipeline Installation 2.0, lateral earth forces, soil and rock shear strength parameters, and vertical loading due to soil and traffic loads.

We will submit one electronic draft copy (pdf) of the geotechnical report via email for your review and comments. A pdf of the final report can be submitted within 10 days of receiving your comments.

ASSUMPTIONS

The following assumptions were made in preparation of this proposal:

- The proposed scope of services does not include any environmental assessments or evaluations for the presence or absence of mold and/or hazardous/toxic materials in the soil, surface water, groundwater, or atmosphere beyond that identified above.
- Caltrans double permit fee of \$984 for the field exploration work.
- Casitas Municipal Water District will arrange for right-of-entry for the exploration work onto private Mission Ranch Road at no cost to OGI.
- OGI will not be responsible for damage to underground utilities that are not marked or are improperly marked.
- Prevailing Wage applies.
- Site is accessible to a standard truck mounted drill rig.
- Invoices paid within 30 days of invoice date.

PROJECT PERSONAL AND SCHEDULE

Our Project manager will be Ms. Lori Prentice, EG. Ms. Prentice has over 30 years of experience managing geotechnical and engineering geologic studies for public works projects on the Central Coast. Our project engineer will be Dr. Tony Robinson, GE. The draft report can be provided within 8 weeks of receiving signed agreement and encroachment permit assuming normal contractor backlogs of 10 days.

ESTIMATED FEE

The following is a breakdown of estimated costs for the scope of work described above. Actual fees will be invoiced on a time and expense basis in accordance with our current fee schedule (attached). The proposal is valid for a period of 90 days.

Table 1. Fee Estimate

Description	Estimated Hours	Estimated Labor \$	Direct Costs	Estimated Fee
Task 1 – Data Review and Permitting	6	\$ 750	\$1,080	\$ 1,830
Task 2 – Field Exploration USA marking/coordination Traffic Control (Total Barricade Service) Drilling Services (S/G Drilling)	20	2,500	4,740 6,900	14,140
Task 3 - Geotechnical Laboratory Testing	--	--	3,730	3,730
Task 4 - Geotechnical Evaluation and Reporting	44	6,240		6,240
Estimated Total:	70	\$9,490	\$16,450	\$ 25,940

CLOSURE

Thank you for the opportunity to provide this proposal to MNS Engineers for the Casitas Municipal Water District's Upper Rincon Pipeline Replacement project. Please contact us if you have any questions on our approach or scope.

Sincerely,

OAKRIDGE GEOSCIENCE, INC.



Lori Prentice, CEG
President

Casitas Municipal Water District
 Upper Rincon Water Main Replacement Project - Amendment No. 1



	ENGINEERING			SUBCONSULTANTS				
		Supervising Engineer - NEP	Project Engineer - BS	Total Resource Hours	Total Hours*Rates	Subconsultant Participation	Oakridge Geoscience	Total Subconsultant Costs
	2018-19 Rate	\$190	\$155					
6 – Geotechnical Investigation	Task 6					Task 6		
6.1 Geotechnical Investigation	Task 6.1	8	10	18	\$3,070	Task 6.1	\$25,940	\$25,940
	Hours	8	10					
Sub-Total	Cost	\$1,520	\$1,550	18	\$ 3,070	Sub-Total	\$25,940	\$25,940

Summary	Total MNS Resource Costs	Total Subconsultant Costs & All Reimbursable Expenses With 15% Markup	Total
Task 6			
Task 6.1	\$3,070	\$29,831	\$32,901
Grand Total	\$3,070	\$29,831	\$32,901

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: MIKE FLOOD, GENERAL MANAGER
FROM: VIRGIL CLARY, CIVIL ENGINEER
SUBJECT: PROFESSIONAL SERVICES FOR REHABILITATION OF GORHAM WELL #1
AND SAN ANTONIO WELL #4
DATE: MARCH 13, 2019

RECOMMENDATION:

It is recommended:

1. The Board of Directors authorize a not to exceed budget of \$65,000 for professional services to assist the District with rehabilitation of Gorham Well #1 and San Antonio Well #4; and
2. The President of the Board execute the agreement for said work and the Board authorize staff to proceed with the administration of the contract.

BACKGROUND AND DISCUSSION:

Gorham Well #1 and San Antonio Well #4 are among the potable water wells the District acquired in July 2017 from Golden State Water Company. These wells supply water to customers in Ojai.

Pueblo Water Resources, Inc. (Pueblo) completed an assessment of the District's groundwater production wells in May 2018 and prepared a groundwater supply augmentation assessment at the Grand Avenue facility in January 2019. San Antonio Well #4 was targeted for rehabilitation due to the well's loss in production. Pumping capacities and performance characteristics of both Gorham #1 and San Antonio #4 wells are significantly less than production shown in previous records. Recent video surveys of San Antonio Well #4 and Gorham Well #1 showed each well to be significantly plugged and efforts to attain increased wellfield capacity should be initiated immediately. Rehabilitation of these wells are the most expedient way to increase wellfield capacity.

The Gorham Well #1 ceased functioning in January 2019 and requires rehabilitation work. San Antonio Well #4 is targeted for rehabilitation in the near future.

The rehabilitation of these wells within the scope of the proposed project will improve production of the District's wellfield and reduce dependence on Lake Casitas.

Pueblo's scope of work includes:

- Develop and prepare technical specifications for San Antonio Well #4
- Assist with bidding process
- Supervise and assist with oversight of field activities and documentation of work performed for Gorham Well #1 and San Antonio Well #4
- Conduct pre- and post-rehabilitation well performance tests
- Prepare summary of operations report documenting the work performed

FINANCIAL IMPACT:

The request is for a budget authorization of \$65,000 based on items in Table 1. A contingency is also included in the event additional work is deemed necessary.

Table 1 – Budget Request Summary

Item	Budget
1 – Project Management	\$ 3,360
2 – Work Plan and Technical Specifications	\$ 4,200
3 – Bidding Assistance	\$ 1,680
4 – Well Performance Testing	\$ 2,280
5 – Management of Field Activities and Contractor Oversight	\$ 33,480
6 – Summary of Operations Report	\$ 7,680
7 – Equipment	\$ 1,350
Contingency (15%)	\$ 8,105
Total	\$ 62,135

Attachments:

Proposal from Pueblo Water Resources, Inc. dated March 6, 2019.
Figure 1 – Ojai Wellfield Location Map



Project No. 18-0144
March 6, 2019

Casitas Municipal Water District
1055 N. Ventura Avenue
Oak View, California 93022

Attention: Julia Aranda, P.E.
District Engineer

Subject: Proposal for Professional Services, Gorham Well and San Antonio Well #4
Rehabilitation Projects.

Dear Ms. Aranda:

Pueblo Water Resources, Inc. (Pueblo) is pleased to submit this proposal to assist the Casitas Municipal Water District (District) with the rehabilitation of the District's Gorham Well and San Antonio Well #4. Pueblo recently completed an assessment of the District's groundwater production wells at the Grand Avenue facility and subsequently completed a groundwater supply augmentation assessment. Through those efforts, Pueblo identified that the specific capacity, performance, and yield from both of these wells has declined significantly from baseline or past levels, and all of these well performance parameters could be significantly improved through formal and thorough well rehabilitation. Recent failure and subsequent removal of the pump at the Gorham Well prompted rehabilitation of this well. San Antonio Well #4 was identified as one of the wells that could most benefit from full rehabilitation. This proposal presents the scope of work for Pueblo's services to assist with Contractor oversight of the Gorham Well as the specifications for this well have already been developed by the District and the project is currently out to bid. The proposal also presents Pueblo's scope to develop a rehabilitation program for San Antonio #4, work with the District to prepare Contractor specifications and bid documents, and assist the District in implementing and executing the well rehabilitation of this well. Specifically, Pueblo's scope for the project includes the following elements:

- Develop and prepare technical specifications for use in bidding for San Antonio #4;
- Assist with the bidding process;
- Supervise and assist with oversight of field activities and documentation of work performed;
- Conduct pre- and post-rehabilitation well performance tests; and,
- Prepare of a summary of operations report documenting the work performed.

A detailed scope of work for providing the required services is presented below.

SCOPE OF WORK

Task 1 – Project Management

Pueblo's first project task includes all activities associated with the management of the project, including but not limited to, project coordination, project communications, and billings.



Pueblo will provide regular updates of the project activities and project schedules to all persons on a distribution list developed by the District.

Task 2 – Work Plan and Technical Specifications

Pueblo will develop a project work plan for San Antonio #4, which will include identification of materials and methods to be utilized, logistical constraints, and schedule considerations. Technical specifications for the rehabilitation of the wells will then be prepared. The technical specifications are intended to provide adequate detail for bidding by competent, licensed (C-57) well contractors. The specifications will include the following minimum items:

- Minimum Contractor Qualifications
- Contractor Equipment Requirements
- Materials Requirements
- Rehabilitation Procedures
- NPDES Discharge Requirements and Limitations
- Site Security and Safety
- Site Restoration

Pueblo will incorporate the technical specifications for the well into a bid package using existing standard District format. The package will include the following:

- Invitation to Bid
- Bid Documents and Bidding Forms
- License and Bonding Requirements
- References and Contractor Qualification Forms
- Standard General Conditions
- Special Conditions
- Technical Specifications

Pueblo will issue a draft copy of the completed contract documents for District review and comment. Pueblo will incorporate District comments and provide copies of the final contract package. It is assumed that the District will provide Pueblo with its contract "boiler plate", including general conditions and special insurance requirements, for incorporation into the final contract package. It is also assumed that the District will duplicate and distribute the bid packages and serve as the primary contact for response to questions from bidders.

Task 3 – Bidding Assistance

Pueblo will be available to assist the District throughout the bidding process. This will include responding to questions Contractors may have during the preparation of bids, preparing and distributing requisite addenda, and communicating to potential bidders other pertinent information. Pueblo will also assist the District in evaluating the received bids for conformance and responsiveness with the requirements set forth in the bid documents, and will provide recommendations for bid award.

Task 4 – Well Performance Testing

Pueblo will perform 100-minute well performance tests prior to (SA #4 only) and immediately following the rehabilitation of each of the wells. Pre- and post-rehabilitation testing



is essential in evaluating the efficacy and success of the rehabilitation efforts. During the tests, pumping rates, water levels (static and pumping), drawdown, and well specific capacity will be monitored and documented, and hydrographs will be prepared so that rehabilitation results can be easily compared and evaluated.

Task 5 –Management of Field Activities and Contractor Oversight

This task will involve the coordination of field activities, Contractor oversight, and documentation of the work performed during the rehabilitation of the Gorham Well and San Antonio Well #4. Prior to contractor mobilization, Pueblo will coordinate a pre-construction meeting to introduce involved parties, establish chain-of-command and communications protocols, review the key work elements and safety procedures, and develop a schedule of the work to be performed. During the rehabilitation of the well, Pueblo will oversee and document contractor activities to ensure adherence to the project specifications. We will document materials and quantities of well rehabilitation chemicals, field water quality parameters, and production rates during airlifting and pumping. Pueblo will also monitor and document the handling and discharge of fluids produced from the well during rehabilitation. It is assumed that the District will provide personnel to assist Pueblo with field oversight during the project.

Task 6 – Summary of Operations Report

A summary of operations report will be prepared documenting the work performed and the results of the rehabilitation work in terms of the improvement of the wells' specific capacities and well yields. Pueblo provide in the report conclusions developed throughout the course of the work on each well, and recommendations related to the operation of the wells and ongoing maintenance requirements.

Estimated Fees and Schedule

Pueblo's estimated costs for services related to the rehabilitation project for the District's two wells are based on the proposed scope of work and our experience with similar projects. It is noted that the level of effort associated with these types of well projects can be difficult to budget, as the time involved is partially a function of contractor competence and diligence, factors over which Pueblo has limited control under low-bid procurement procedures. The proposed budget assumes that the project will be performed during normal working hours on a 12-hour per day schedule and that observation will be on a variable basis, with particular focus on the critical stages of the project. It is also based on the assumption that the District will provide personnel throughout the project to assist and work under Pueblo's supervision to reduce Pueblo's project costs. Pueblo has developed a spreadsheet to estimate field hours for the various project activities. The spreadsheet shows the calculated hours for each task, and provides a breakdown between District staff and Pueblo staff hours. The spreadsheet is included with this proposal.

Based on the scope of services developed for this project and our assumptions regarding the breakdown of responsibilities for field oversight between Pueblo and District staff, we estimate that Pueblo's fees for the project to be \$48,150. The costs per task are provided below:



**Summary of Estimated Costs
 Well Rehabilitation Project, Gorham Well and San Antonio #4**

<u>Task Description</u>	<u>Estimated Cost</u>
Task 1 – Project Management	\$3,360
Task 2 – Work Plan and Technical Specifications	\$4,200
Task 3 – Bidding Assistance	\$1,680
Task 4 – Well Performance Testing	\$2,280
Task 5 – Management of Field Activities and Contractor Oversight	\$33,480
Task 6 – Summary of Operations Report	\$7,680
Equipment	\$1,350
<i>Total Estimated Cost</i>	<i>\$54,030</i>
<i>Total Estimated Cost with 10% Contingency</i>	<i>\$62,135</i>

We recommend a 10 percent contingency to accommodate any unforeseen conditions or Contractor delays, and because of our assumptions regarding staffing assistance by the District. The contingency will only be billed upon authorization by the District.

Schedule

We have developed a schedule for completion of the major project elements. As stated earlier, the specifications for the Gorham Well rehab have already been completed, and the project is currently out to bid.

Task	Completion Time
Completion of Specifications and Bid Documents	One Month
Bidding Period	One Month
Contracting and Notice-to-Proceed	Two Weeks
Field Operations	Two Months

We are prepared to begin work immediately upon approval of our proposal.



Services Not Included

Services which are (or may be) necessary for the completion of this project that are not included in our scope of services include the following:

- Water-quality sampling and analyses (assumed District provided);
- Permitting fees;
- Any other items not specifically included in Pueblo's scope of services.

We appreciate the opportunity to provide assistance to the District on this important community water supply project. If you require additional information regarding this or other matters, please contact me.

Sincerely,

PUEBLO WATER RESOURCES, INC.

A handwritten signature in black ink that reads "Michael S. Burke". The signature is written in a cursive style.

Michael S. Burke, P.G., C.Hg.
Principal Hydrogeologist

Attachments: Cost Estimation Spreadsheet
Field Hour Estimation Spreadsheet
Pueblo 2019 Fee Schedule

**Well Rehabilitation Project - Gorham Well, San Antonio #4
Casitas Municipal Water District**



Manhour Calculator for Field Activities

Task	Estimated Task Duration (days)	Required Staffing Coverage (%)	Calculated Staff Hours	Estimated Pueblo Staff Hours
Mobilization	2	50%	12	6
Pull Pump	1	50%	6	4
Nylon Brushing / Bailing	2	50%	12	4
Setup Temporary Discharge Tanks and Piping	2	50%	12	4
1st Pass Dual-Swab Airlifting	3	100%	36	20
Chemical Introduction	2	100%	24	20
Dry Swabbing	1	50%	6	2
2nd Pass Dual-Swab Airlifting	3	100%	36	20
Reinstall Pump	2	25%	6	4
Disinfection	1	50%	6	2
Site Cleanup and Restoration	2	25%	6	2
Totals	21		162	88

Assumes 12-hour work day.
Field oversight hours per well.



**PUEBLO WATER RESOURCES, INC.
2019 FEE SCHEDULE**

Professional Services

Principal Professional.....	\$210/hr
Senior Professional.....	\$195/hr
Project Professional.....	\$180/hr
Staff Professional.....	\$150/hr
Technician.....	\$140/hr
Illustrator.....	\$125/hr
Word Processing.....	\$105/hr

Other Direct Charges

Subcontracted Services.....	Cost Plus 15%
Outside Reproduction.....	Cost Plus 15%
Travel Expenses.....	Cost Plus 15%
Per Diem*	\$150/day
Vehicle	\$75/day

Equipment Charges

Drilling Fluid Test Kit.....	\$100/day, \$400/week
Field Water Quality Meter (Hach DR890).....	\$75/day, \$275/week
Orion ORP/pH/Temp Probe.....	\$75/day, \$275/week
Water Level Probes (In-Situ Level Troll).....	\$75/day, \$300/week
Water Quality Probes (In-Situ Aqua Troll).....	\$100/day, \$325/week
Ultrasonic Flowmeter.....	\$200/day, \$750/week

*Regionally and seasonally specific to project.



FIGURE 1. OJAI WELLFIELD LOCATION MAP
Casitas Mutual Water Company

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: MIKE FLOOD, GENERAL MANAGER
FROM: VIRGIL CLARY, CIVIL ENGINEER
SUBJECT: AWARD OF CONTRACT FOR GORHAM WELL #1
REHABILITATION SPECIFICATION NO. 19-414
DATE: MARCH 13, 2019

RECOMMENDATION:

It is recommended the Board of Directors:

1. Authorize a budget of \$138,000 for rehabilitation of Gorham Well #1 Specification No. 19-414;
2. Adopt Notice of Exemption for Gorham Well #1 Rehabilitation Specification No. 19- 414; and
3. Waive the bid irregularity, adopt the resolution accepting the bid submitted by the lowest responsible bidder, and award the contract for the Gorham Well #1 Rehabilitation Specification No. 19-414 to Legend Pump and Well Service, Inc. in the amount of \$125,497 for bid items 1 through 21. It is further recommended the President of the Board execute the agreement for said work and the Board authorize staff to proceed with the administration of the contract.

BACKGROUND AND DISCUSSION:

Gorham Well #1 is a potable water well the District acquired in July 2017 from Golden State Water Company. This well supplies water to the customers of Ojai. The well ceased functioning in January 2019 and requires rehabilitation work.

The rehabilitation of the well within the scope of the proposed project will improve production of the District's wellfield and reduce dependence on Lake Casitas. This project is Categorical Exempt from the California Environmental Quality Act (CEQA) under Section 15301 (d). A Notice of Exemption was prepared and will be filed with the County of Ventura upon adoption by the Board.

The following represents the timeline of the project to date:

Notice Inviting Bids	February 15, 2019
Pre-Bid Meeting/Tour	February 20, 2019
Bid Opening	March 6, 2019

Five bids were received at the bid opening as summarized in Table 1. The lowest

responsible, responsive bidder is Legend Pump and Well Service, Inc. for a base bid in the amount of \$99,718. A detailed bid abstract is attached.

Table 1 – Bid Summary

Contractor	Bid Total
Legend Pump and Well Service	\$99,718.00
Weber Water Resources	\$146,324.00
General Pump Company	\$167,281.00
Bakersfield Well & Pump	\$210,531.00
Pacific Coast Well Drilling	\$229,150.00

Legend Pump and Well Service’s bid originally stated a total amount of \$99,720 but was amended based on quantity and unit price provided to \$99,718. The Board may determine this irregularity can be corrected without being prejudicial to other bidders.

Alternative bid item pricing was provided by each contractor for replacement of the existing wire with new wire, performance of a pump test, and installation of an additional 20 feet of column pipe. The breakdown of pricing by Legend Pump and Well Service is shown in Table 2.

Table 2 – Alternative Bid Items

Description	Total
Furnish and install replacement #2 wire for new pump	\$2,899.00
Install test pump; perform pumping test; and remove test pump	\$22,200.00
Install additional 20 feet of 6-inch NPT steel column pipe	\$680.00

The total bid, including the three alternative bid items, is \$125,497.00.

FINANCIAL IMPACT:

The request is for a budget authorization of \$138,000 based on items in Table 3. A contingency is also included in the event additional work is deemed necessary during construction.

Table 3 – Budget Request Summary

Item	Budget
1 – Contract Award	\$125,497
2 – Contingency	\$ 12,503
Total	\$138,000

Attachments: Notice of Exemption
 Bid Abstract
 Resolution

CASITAS MUNICIPAL WATER DISTRICT

**RESOLUTION AWARDING A CONTRACT
TO GORHAM WELL #1 REHABILITATION PROJECT
SPECIFICATION NO. 19-414**

WHEREAS, the Gorham Well #1 Rehabilitation Project is Categorically Exempt from the California Environmental Quality Act under Section 15301 (d); and

WHEREAS, the District invited bids from qualified contractors for the above-referenced project, and

WHEREAS, the rehabilitation of Gorham Well #1 is necessary to maintain groundwater production, and

WHEREAS, the District received five bids, with the lowest responsive and responsible bid submitted by Legend Pump and Well Service, Inc. in the sum of \$125,497.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Casitas Municipal Water District as follows:

1. That the Notice of Exemption be filed with the County of Ventura.
2. That the bid from Legend Pump and Well Service, Inc. in the amount of \$125,497 be accepted to rehabilitate Gorham Well #1, Specification 19-414 and a contract awarded.
3. That staff is hereby authorized and directed to proceed with the administration of the contract.

ADOPTED this _____ day of _____, 2019.

President,
Casitas Municipal Water District

ATTEST:

Secretary,
Casitas Municipal Water District

NOTICE OF EXEMPTION
Casitas Municipal Water District
1055 Ventura Avenue
Oak View, California 93022

TO: Clerk's Office
Ventura County
800 South Victoria Avenue
Ventura, California 93009

Project Title: **Gorham Well #1 Rehabilitation**

Project Location: Ojai, California

Description of Project:

The project will rehabilitate an existing potable water well at the District's San Antonio Wellfield Facility.

The project shall involve the following construction measures:

1. Removal of the existing pump and motor.
2. Cleaning the existing well casing.
3. Installation of pump and motor.

Name of Public Agency Approving Project: Casitas Municipal Water District

Exempt Status: Categorical Exemption, Section 15301(d)

Reason Why Project is Exempt:

The project is maintenance of an existing potable water well; therefore, it falls under California Code of Regulations Categorical Exemption Section 15301(d) Existing Facilities.

Lead Agency Contact Person: Michael Flood, General Manager

Telephone No: (805) 649-2251

Signature: _____

President
Casitas Municipal Water District

Date: _____

CASITAS MUNICIPAL WATER DISTRICT
 1055 VENTURA AVENUE
 Oak View, CA 93022
 (805) 649-2251
 SPEC 19-414
 Project: Gorham Well #1 Rehabilitation
 Bid: 3/6/19 2:00 PM

Legend Pump and Well Service Inc.
 Lic.#964537;
 1324 W. Rialto Ave
 San Bernadino, CA 92410

Weber Water Resources, LLC
 Lic.#970199;
 2073 Railroad St
 Corona, CA 92880

General Pump Company
 Lic.#496765;
 1255 Battery St, #450
 San Fransisco, CA 94111

Bakersfield Well & Pump
 Company
 Lic.#440537;
 7212 Fruitvale Ave
 Bakersfield, CA 93308

Pacific Coast Well Drilling, Inc.
 Lic.#927400;
 P.O. Box 184
 Templeton, CA 93465

ITEM#	DESCRIPTION	APROX. QTY	UNIT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION/DEMObILIZATION	1	LS	\$ 10,200.00	\$ 10,200.00	\$ 26,480.00	\$ 26,480.00	\$ 22,060.00	\$ 22,060.00	\$ 60,000.00	\$ 60,000.00	\$ 22,500.00	\$ 22,500.00
2	REMOVE EXISTING PUMP	1	LS	\$ 3,600.00	\$ 3,600.00	\$ 7,200.00	\$ 7,200.00	\$ 15,460.00	\$ 15,460.00	\$ 15,000.00	\$ 15,000.00	\$ 12,500.00	\$ 12,500.00
3	VIDEO SURVEY	1	LS	\$ 1,150.00	\$ 1,150.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00
4	FLUID STORAGE SYSTEM	1	LS	\$ 2,080.00	\$ 2,080.00	\$ 3,125.00	\$ 3,125.00	\$ 5,620.00	\$ 5,620.00	\$ 10,000.00	\$ 10,000.00	\$ 7,800.00	\$ 7,800.00
5	BAKER TANKS*	14	DAY	\$ 381.00	\$ 5,334.00	\$ 1,651.00	\$ 23,114.00	\$ 500.00	\$ 7,000.00	\$ 360.00	\$ 5,040.00	\$ 825.00	\$ 11,550.00
6	BRUSH AND BAIL WELL	16	HR	\$ 300.00	\$ 4,800.00	\$ 358.00	\$ 5,728.00	\$ 550.00	\$ 8,800.00	\$ 350.00	\$ 5,600.00	\$ 750.00	\$ 12,000.00
7	INSTALL ZONE PUMP	1	LS	\$ 2,400.00	\$ 2,400.00	\$ 5,895.00	\$ 5,895.00	\$ 5,350.00	\$ 5,350.00	\$ 12,500.00	\$ 12,500.00	\$ 15,000.00	\$ 15,000.00
8	ZONE-PUMP AND SWAB	32	HR	\$ 300.00	\$ 9,600.00	\$ 358.00	\$ 11,456.00	\$ 250.00	\$ 8,000.00	\$ 350.00	\$ 11,200.00	\$ 750.00	\$ 24,000.00
9	PROVIDE CHEMICALS	1	LS	\$ 9,899.00	\$ 9,899.00	\$ 8,594.00	\$ 8,594.00	\$ 12,537.00	\$ 12,537.00	\$ 10,126.00	\$ 10,126.00	\$ 22,200.00	\$ 22,200.00
10	INJECT CHEMICALS AND SWAB	8	HR	\$ 410.00	\$ 3,280.00	\$ 235.00	\$ 1,880.00	\$ 750.00	\$ 6,000.00	\$ 350.00	\$ 2,800.00	\$ 750.00	\$ 6,000.00
11	SWAB WELL**	2	DAY	\$ 2,400.00	\$ 4,800.00	\$ 358.00	\$ 716.00	\$ 4,140.00	\$ 8,280.00	\$ 7,500.00	\$ 15,000.00	\$ 3,500.00	\$ 7,000.00
12	ZONE-PUMP, SWAB, NEUTRALIZE	32	HR	\$ 410.00	\$ 13,120.00	\$ 358.00	\$ 11,456.00	\$ 250.00	\$ 8,000.00	\$ 350.00	\$ 11,200.00	\$ 750.00	\$ 24,000.00
13	SUPERCHLORINATE	1	LS	\$ 1,500.00	\$ 1,500.00	\$ 4,300.00	\$ 4,300.00	\$ 12,080.00	\$ 12,080.00	\$ 10,000.00	\$ 10,000.00	\$ 4,800.00	\$ 4,800.00
14	ZONE-PUMP, SWAB, DECHLORINATE	16	HR	\$ 350.00	\$ 5,600.00	\$ 358.00	\$ 5,728.00	\$ 250.00	\$ 4,000.00	\$ 350.00	\$ 5,600.00	\$ 750.00	\$ 12,000.00
15	VIDEO SURVEY	1	LS	\$ 1,150.00	\$ 1,150.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00
16	FURNISH AND INSTALL 75 HP PUMP, MOTOR, AND SHROUD	1	LS	\$ 15,755.00	\$ 15,755.00	\$ 19,293.00	\$ 19,293.00	\$ 20,329.00	\$ 20,329.00	\$ 16,965.00	\$ 16,965.00	\$ 24,000.00	\$ 24,000.00
17	REINSTALL COLUMN PIPE	1	LS	\$ 4,800.00	\$ 4,800.00	\$ 7,167.00	\$ 7,167.00	\$ 20,865.00	\$ 20,865.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
18	REINSTALL EXISTING #2 WIRE	1	LS	\$ 650.00	\$ 650.00	\$ 1,792.00	\$ 1,792.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 2,800.00	\$ 2,800.00
BASE BID TOTAL AMOUNT FOR BID ITEMS 1 THROUGH 18				\$ 99,718.00		\$ 146,324.00		\$ 167,281.00		\$ 210,531.00		\$ 229,150.00	

* Legend Pump's Bid Item #5 was corrected from \$5,336 to \$5,334 based on quantity and unit price

** Weber's Bid Item #11 was corrected from \$7,160 to \$716 based on quantity and unit price

ITEM#	DESCRIPTION	APROX. QTY	UNIT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT	BID UNIT PRICE	TOTAL AMOUNT
19	REPLACE #2 WIRE	1	LS	\$ 2,899.00	\$ 2,899.00	\$ 5,863.00	\$ 5,863.00	\$ 9,790.00	\$ 9,790.00	\$ 5,100.00	\$ 5,100.00	\$ 13,600.00	\$ 13,600.00
20	PERFORM PUMP TEST	1	LS	\$ 22,200.00	\$ 22,200.00	\$ 16,833.00	\$ 16,833.00	\$ 40,000.00	\$ 40,000.00	\$ 15,750.00	\$ 15,750.00	\$ 28,000.00	\$ 28,000.00
21	INSTALL 20 FT COLUMN PIPE	1	EA	\$ 680.00	\$ 680.00	\$ 660.00	\$ 660.00	\$ 854.00	\$ 854.00	\$ 550.00	\$ 550.00	\$ 3,600.00	\$ 3,600.00
TOTAL AMOUNT FOR BID ITEMS 1 THROUGH 21				\$ 125,497.00		\$ 169,680.00		\$ 217,925.00		\$ 231,931.00		\$ 274,350.00	
DIVISION OF WORK OR TRADE				SUBCONTRACTOR		SUBCONTRACTOR		SUBCONTRACTOR		SUBCONTRACTOR		SUBCONTRACTOR	
				N/A		N/A		N/A		Well Rehab Services, Inc		Pacific Surveys, LLC	

**CASITAS MUNICIPAL WATER DISTRICT
MEMORANDUM**

TO: MICHAEL FLOOD, GENERAL MANAGER

FROM: VIRGIL CLARY, CIVIL ENGINEER

SUBJECT: AUTHORIZE GENERAL MANAGER TO SIGN TASK ORDER
AMENDMENT NO. 1 FOR PROFESSIONAL ENGINEERING SERVICES
FOR SIGNAL BOOSTER ZONE TANK REHABILITATION AND ZONE
EXPANSION STUDY

DATE: 3/13/2019

RECOMMENDATION:

It is recommended the Board of Directors authorize the General Manager to issue the Task Order Amendment No. 1 for professional engineering services to Michael K. Nunley and Associates (MKN) for the Signal Booster Zone Tank Rehabilitation and Zone Expansion Study in the amount not to exceed \$24,762.

BACKGROUND AND DISCUSSION:

The District's 2018 Condition Based Assessment and Water Master Plan for the Ojai Water System recommended the replacement and/or rehabilitation of the existing Signal Booster Zone Tank and Booster Pump Station based on age, water quality issues, and condition of existing facilities. In February 2019, MKN completed the Ojai Water System – Signal Booster Zone Hydraulic Analysis, which recommended installation of a new tank and booster pump station.

MKN will develop alternatives for the rehabilitation of the existing Signal Tank, replacement of the existing booster pump station, and potential zone expansion to serve a portion of the Main Zone.

The scope includes:

- Project management and meetings
- Data gathering and information review
- Alternatives evaluation
- Prepare draft and final Technical Memorandum

BUDGET IMPACT:

The approved FY 18-19 budget for the Signal Booster Zone Hydraulic Improvements has sufficient funds to complete this work.

Attachment: Proposal from MKN dated March 6, 2019

**CASITAS MUNICIPAL WATER DISTRICT
MEMORANDUM**

TO: MICHAEL FLOOD, GENERAL MANAGER

FROM: VIRGIL CLARY, CIVIL ENGINEER

SUBJECT: AUTHORIZE GENERAL MANAGER TO SIGN TASK ORDER FOR PROFESSIONAL ENGINEERING SERVICES FOR RUNNING RIDGE ZONE IMPROVEMENTS

DATE: 3/13/2019

RECOMMENDATION:

It is recommended the Board of Directors authorize the General Manager to issue the Task Order for professional engineering services to Michael K. Nunley and Associates (MKN) for the Running Ridge Zone Improvements in the amount not to exceed \$323,221.

BACKGROUND AND DISCUSSION:

The District's 2018 Condition Based Assessment and Water Master Plan for the Ojai Water System recommended the replacement and/or rehabilitation of the existing Running Ridge Reservoirs based on age and condition of existing facilities. In January 2019, MKN completed the Ojai Water System – Running Ridge Zone Hydraulic Analysis, which recommended installation of a new connection to the Casitas System, booster pump station, pipeline, and related appurtenances.

The proposed connection to the Casitas System is from the Fairview reservoirs discharge line to the existing Ojai system Arbolada Reservoir which increases required fire flow capacity to the Ojai system. The Running Ridge tanks have exceeded their useful life and replacement of these tanks is not feasible due to restricted access and constructability. The replacement of the Arbolada booster pump station allows the customers supplied by the Running Ridge tanks to be incorporated into the Ojai system by increasing the pump station capacity and installing a replacement pipeline and pressure regulating valves.

MKN will provide survey, geotechnical, environmental, structural, electrical, and civil design services for the project including construction plans, specifications, and cost opinions.

The design scope includes:

- Demolition of existing facilities
- Construction of a new pump station
- Installation of an onsite backup generator
- Installation of pressure reducing valve stations
- Replacement of an undersized 2-inch pipeline with a new 8-inch pipeline
- Installation of approximately 2,500 linear feet of 8-inch and 12-inch piping
- Providing of instrumentation and control systems

- Data gathering and information review
- Alternatives evaluation

BUDGET IMPACT:

The fiscal year 2018-19 budget includes an item for Running Ridge Zone Hydraulic Improvements in the amount of \$150,000, \$19,722 of which has been expended for the Running Ridge Zone Hydraulic Analysis. The remaining \$130,278 is sufficient for the work MKN is expected to complete this fiscal year. The balance will be budgeted in fiscal year 2019-20.

Attachment(s):

Figure – Running Ridge Zone Improvements
Proposal from MKN dated March 7, 2019



P.O. Box 1604
Arroyo Grande CA 93421
805 904 6530 tel
www.mknassociates.us

March 7, 2019

Virgil Clary, PE
Civil Engineer
Casitas Municipal Water District
1055 Ventura Avenue
Oak View, California 93022

RE: Proposal for Engineering Services – Arbolada Pump Station Upgrade

Dear Virgil,

Michael K. Nunley & Associates, Inc., (MKN) is pleased to submit this proposal to Casitas Municipal Water District (District) for the design of the Arbolada Pump Station Upgrade project in the Ojai Water System. We have prepared this proposal in response to the scope of work outline provided by the District and discussions with staff.

PROJECT UNDERSTANDING

The District's 2018 Condition Based Assessment & Water Master Plan for the Ojai Water System recommended the replacement of the existing Running Ridge Reservoirs due to age and condition of the existing facilities. In January 2019, MKN completed a detailed evaluation of four alternatives to serve the Running Ridge Zone if the existing Running Ridge Reservoirs were abandoned. The recommended and preferred alternative, based on the evaluation, was a new connection to the Legacy Casitas System (Alternative 3A).

SUMMARY OF PROPOSED ENGINEERING SERVICES

MKN will provide survey, geotechnical, environmental, structural, electrical, and civil design services for the Project. Construction plans, specifications, and cost opinions will be prepared for the following project components:

- Demolish existing Running Ridge Reservoirs
- Demolish existing Arbolada Booster Pump Station (BPS)
- Demolish existing Valley View BPS
- Construct new Arbolada BPS and control/pump building
- Install onsite backup generator
- Install two pressure reducing valve (PRV) stations on Fairview Road and Foothill Road
- Replace existing 2-inch water line (with 8-inch) on private road north of the existing Valley View Booster Pump Station
- Install 8-inch pipeline (60 lineal feet) to the Casitas System (on Fairview Road) and construct reservoir connection including control valve station and disinfection system at the existing Arbolada site

- Install 10-inch pipeline from Arbolada site to Heidelberger Zone (2,400 linear feet)
- Provide instrumentation and control systems for connecting to the District's SCADA system

SCOPE OF WORK

TASK GROUP 100 PROJECT MANAGEMENT, MEETINGS AND QA/QC

MKN will provide the following services under this task group:

Task 101 Progress Reports

MKN will provide brief monthly progress reports, via email, with invoices.

Task 102 Project Schedule

MKN will prepare a project schedule in Microsoft Project format and will maintain the schedule throughout completion of the project. Monthly updates will be provided to the District with invoices.

Task 103 Decision Log

MKN will prepare and maintain a Decision Log that identifies action items and major decisions by the District and Project Team.

Task 104 Quality Control

MKN will perform quality control reviews of all deliverables prior to submitting to the District. A Senior Engineer or Principal Engineer who is not involved in the day-to-day effort will perform an independent review of the project.

Task 105 Project Kick-Off and Site Walk

MKN will attend a kick-off meeting with District staff to review project scope, schedule, responsibilities of project team members, project deliverables, known utility conflicts, easements, and any construction and operational concerns. Upon completion of the meeting a site walk will be attended by the project team to identify any specific concerns prior to the initiation of work. Kick-off meeting notes will be prepared and provided to the District to document meeting discussions and action items.

Task 106 Information Review

MKN has received existing information related to the Casitas Legacy System and as-built drawings for the existing Running Ridge Reservoirs, and Arbolada Reservoir/BPS. However, MKN may request additional information following the kick-off meeting or as required by our subconsultants to complete project tasks.

TASK GROUP 200 UTILITY RESEARCH

MKN will send letters to utility companies to request record drawings and schematics. The Project Team will compare utility information (provided on received record drawings) with visible physical

utility evidence during the site investigation. Utility information will be incorporated into the site survey and mapped where possible.

TASK GROUP 300 TOPOGRAPHIC SURVEY

MKN's subconsultant, Encompass Consulting Group (ECG), will provide the following services:

- A. Perform field surveys to locate pavement, curbs, drives, walks, fences, walls, planters, and visible surface utilities, together with topographic features such as tops, toes, flow lines, grade breaks, etc. and surface utilities immediately adjacent to the edge of pavement and/or sidewalks at the approximate edge of right-of-way within the project limits (see exhibits attached). Pavement and surface materials will also be identified. Trees larger than 6" in diameter will be located and shown on the map.

Supplemental elevation data will be gathered at the Arbolada Reservoir, measuring from one of roof access points to the reservoir floor. Our assumption is that we will be provided access, and that a direct measurement can be made from the roof, avoiding the need to enter the reservoir.

- B. Research of pertinent recorded maps and documents. Compute site boundaries and rights of way based on the legal descriptions shown in the latest available assessor site information. If easements of record are required to be plotted, a current preliminary title report will need to be provided by client to determine level of complexity and effort.

In addition to the record boundaries of proposed pipeline segments, ECG will also plot the easements of the two Running Ridge Reservoir sites from the available record documents. Two documents (187 OR 302 and 2027 OR 384) will be compiled with aerial imagery background, as they are not directly connected to the segments to be field surveyed.

- C. Perform field surveys to search for and recover existing record monuments sufficient to orient the record boundary and rights of way to the project mapping datum. The computed boundary and rights of way will be added to the AutoCAD base map.
- D. Download and compute survey data, and prepare an AutoCAD drawing file. The mapping will be compiled at a scale of 1" = 10' with a 1-foot contour interval and a digital terrain model (DTM). Each surveyed feature will be clearly labeled or noted by symbol as identified in the field.

Deliverables will include AutoCAD drawing files and a PDF signed and sealed digitally by a California Licensed Land Surveyor, all in electronic format.

TASK GROUP 400 GEOTECHNICAL DESIGN SERVICES

MKN's subconsultant, Yeh and Associates, Inc. (Yeh), will provide geotechnical services for the project. Yeh will prepare a *Geotechnical Report* for the design of Arbolada BPS upgrade and associated water system improvements. The geotechnical evaluation for preparation of the report will consist of a program of field exploration and laboratory testing to characterize subsurface conditions along the pipeline alignment and pump station site; geotechnical analyses to evaluate the

support and placement of the new pipe, concrete vaults, and concrete structures; and provide geotechnical considerations for design and construction of the project.

Yeh will perform the following services:

- A. Consult with MKN and the District to review the approach to providing geotechnical services, and request that any updated maps or plans be provided for use in planning a field exploration program for the project. Collect and review geotechnical data from previous reports and incorporate these data into baseline information to be used in the geotechnical evaluation for this project. Yeh will procure encroachment permits from the City of Ojai and the County of Ventura prior to executing the field exploration program. The City of Ojai encroachment permit process requires up to a 14-day cultural review period prior to issuing the permit. Permitting and right of entry agreements for Yeh and our subcontractors to work within the private road north of the Valley View Pump Station will be obtained by others on Yeh's behalf. Yeh assumes the borings can be drilled under their existing Ventura County blanket borehole permit, and assume that site access, any additional environmental permits, documents, or monitoring beyond the permits named above will be provided.
- B. Prepare a health and safety plan for the field work, visit the site to mark the locations of the planned explorations, and notify Underground Services Alert (USA) to contact utility companies to review the locations and mark any buried utilities at the site, and coordinate the field exploration program and site access with the District and subcontractors. Other than contacting USA, Yeh will not be responsible for locating utilities or buried structures or for damages resulting from encountering unmarked or improperly marked utilities.
- C. Yeh will provide up to a 1-day effort to drill up to 6 borings along the proposed alignments and near the Arbolada Pump Station. Borings will be drilled and sampled to depths ranging from 10 feet (about 2 times the anticipated trench depth) to 20 feet (at the pump station and trenchless crossing locations). The borings will be drilled using a truck-mounted drill rig equipped with hollow stem augers. The borings will be sampled at selected intervals using driven samples and by taking cuttings from the auger flights. Borings will be backfilled with excess cuttings excavated from the bore hole, bentonite chips, and/or clean sand or gravel. Yeh will measure the existing pavement section at each boring location, take samples of underlying subgrade soils for subsequent laboratory testing and log the subsurface conditions encountered. Excess cuttings will be spread along unpaved shoulder or landscape areas adjacent to boring locations. Holes drilled in existing pavement areas will be patched with asphalt cold patch.
- D. Yeh will subcontract traffic control during the field exploration program. Our work will require closing one lane of traffic at each work area and traffic will be routed past the work area with flagging. Yeh assumes that access agreements and encroachment permits will allow work hours in the public right-of-way between 8:30am and 4:30pm on weekdays.
- E. Laboratory testing will be performed on selected samples recovered from the field exploration program to characterize the geotechnical properties and classification of soil and materials encountered. Tests for moisture content, unit weight, classification,

compaction, sand equivalent, strength, consolidation, and corrosivity will be performed. The types and numbers of tests may vary depending on the subsurface conditions encountered.

- F. Yeh will summarize the data collected, perform geotechnical analyses and prepare a Geotechnical Report for the design of the project. A draft of the report will be prepared and issued in portable document file (PDF) format for review by the District and MKN. The report will provide logs of the explorations, laboratory test results, and a map showing the locations of the borings. The report will provide a discussion of the subsurface conditions encountered, and conclusions and recommendations regarding:

Geologic setting;

- Soil and groundwater conditions encountered;
- Trench detail for use with District standards;
- Suitability of excavated soil for reuse as bedding, pipe zone or trench backfill material;
- Foundation and grading recommendations for design and construction of the new pump station slab;
- Foundation preparation and stabilization of the trench bottom and/or pit excavations;
- Material and compaction requirements for bedding, pipe zone and trench backfill;
- Existing pavement thicknesses encountered and a pavement structural section for trench patching;
- Thrust resistance for the pipe using thrust blocks, friction, restrained joints, or pressure reducing vaults;
- At-rest pressures, soil unit weight, and friction coefficients for estimating frictional resistance along the pipe; and
- Construction considerations for temporary excavations.

Yeh will issue the final Geotechnical Report after incorporating comments and input from the District and MKN team. One PDF and one bound paper copy of the final report will be submitted unless otherwise requested.

TASK GROUP 500 TREE PROTECTION PLAN

MKN will prepare a draft and final tree protection plan to encompass the boundaries of the project to be incorporated into the contract documents. It is assumed the District's environmental consultant will review the draft tree protection plan and provide input for completion of the final plan.

TASK GROUP 600 BASIS OF DESIGN MEMORANDUM

Task 601 Electrical Evaluation

MKN's subconsultant, IRJ and Associates, Inc. (IRJ), will provide input with respect to the electrical requirements for the new booster pump station, standby generator, and other site electrical requirements. IRJ will perform the following services:

- A. IRJ assumes the existing record drawings, furnished by the District, and the topographic survey will serve as reference for existing conditions. IRJ will perform one site visit to verify the existing conditions match the record drawings.
- B. IRJ will perform an engineering evaluation and provide MKN with electrical comments for inclusion in the Basis of Design Memorandum (BDM). The following items will be included in the evaluation:
 - Modifications to existing service equipment to accommodate the new loads.
 - Motor Control including types of VFDs to be specified.
 - Generator fuel sources.

Task 602 Structural Evaluation

MKN's subconsultant, Smith Structural Group (SSG), will provide input with respect to the structural requirements for the new booster pump station building and standby generator foundations. SSG will visit the project site, identify any additional information required from the project geotechnical engineer, and prepare a preliminary design letter report to include as part of the BDM. SSG will also provide input on demolition options for the existing Running Ridge reservoirs.

Task 603 Preliminary Engineering

MKN will prepare a BDM, which will incorporate the following information:

- Survey and Base Map
- Draft Geotechnical Engineering Report
- Environmental Review and CEQA Initial Study
- Site electrical requirements for new BPS and standby generator
- Options and costs for abandonment and demolition of the existing Running Ridge Reservoirs (with assistance from MKN's subconsultant Standard Demolition)
- Property research and/or verification of easements for the existing Running Ridge Reservoirs
- Confirmation of existing and future demands for the Running Ridge, Heidelberger, and Heidelberger Boosted Zone
- Updated design criteria
- Structural requirements for new BPS building and standby generator pad
- SCADA integration requirements
- Pump selection
- Bypassing options
- Preliminary layout and site plans of proposed improvements including plan views of pipelines
- Recommended locations for potholing
- Cost opinion
- Project schedule
- Recommended temporary or permanent easements

A draft memorandum will be prepared for review and MKN will attend one (1) progress meeting with the District to review comments with the District. After comments are addressed a final memorandum will be submitted.

Task 604 Potholing Allowance

MKN'S subcontractor, Travis AG, will excavate locations where critical utilities have been identified. Our surveyor, ECG, will locate the top of the utilities. It is assumed no more than two mobilizations by our surveyor will be required. Traffic control will be provided by Travis AG. It is assumed the potholes will be backfilled with cold-patch asphalt. MKN has included a pothole allowance for up to fifteen (15) potholes. Final number of potholes will be determined following the completion of the draft BDM.

TASK GROUP 700 CONTRACT DOCUMENT DEVELOPMENT

MKN will prepare construction plans and specifications and provide three (3) progress submittals (60%, 95% and Final). It is assumed that the District will provide front-end documents to MKN for modification and inclusion into the bid package and that MKN will prepare technical specifications in CSI format. Plans will be prepared in AutoCAD. The District will review the contents of each submittal and provide comments for incorporation into the subsequent submittal. An opinion of probable construction costs will be prepared to accompany each submittal.

Task 701 60 Percent Submittal

Submittal will include the following items (electronic copy in PDF format):

- Draft half-size (11" x 17") drawings
- Draft technical specifications (Divisions 02 to 43)
- Draft opinion of probable construction costs

Task 702 95 Percent Submittal

Submittal will include the following items (electronic copy in PDF format):

- Revised half-size (11" x 17") drawings
- Draft front-end documents (Division 00 provided by District)
- Revised technical specifications (Divisions 02 to 43)
- Revised opinion of probable construction costs

Task 703 Final Submittal

Submittal will include the following items (electronic copies in PDF, MS Word, and AutoCAD formats)

- Final half-size (11" x 17") drawings
- Final full-size (22" x 34") drawings
- Completed front-end documents (Division 00 provided by District)
- Final technical specifications (Divisions 02 to 43)
- Final opinion of probable construction cost

Anticipated Sheet List (31 Sheets):

- Cover Sheet and Index
- General Notes
- Survey Sheet
- Running Ridge Reservoir Demolition Plan
- Valley View BPS Demolition Plan
- Arbolada BPS Demolition Plan
- Private Road Plan and Profile
- Foothill Road Plan and Profile (4 Sheets)
- Fairview Road Plan and Profile (4 Sheets)
- Fairview Road to Legacy Casitas System Plan and Profile
- Arbolada Reservoir Hypochlorite System and Meter Facilities
- Arbolada BPS Site Plan
- Arbolada BPS Elevation Views
- Arbolada BPS Mechanical Plan
- PRV Stations Site Plan
- Construction Details (4 Sheets)
- Structural/Foundation (2 Sheets)
- Electrical (4 Sheets)

Task 704 SCADA Integration

MKN will prepare construction plans (4 Sheets) and specifications for integration of the new booster pump station, PRV stations, and interconnection with the District's current SCADA system and will provide three (3) progress submittals (60%, 95% and Final).

Task 705 Progress Meetings

MKN will attend two (2) design-phase progress meetings, one after the 60% and 95% design submittals to discuss District comments.

Task 706 Constructability Review

MKN will completed a constructability review of the project based on the 95% draft project documents submittal. This review will determine possible constructability issues that the District or MKN identifies along with proposed mitigation strategies.

Task 707 Encroachment Permit Application and Negotiation

MKN will complete a draft encroachment permit applications with construction plan exhibits to submit to the City of Ojai and County of Ventura. MKN will also determine City and County standard paving requirements and negotiate conditions with each agency. It is assumed two meetings will be required, in addition to email and phone correspondence.

TASK GROUP 800 ENVIRONMENTAL COORDINATION

Permitting and California Environmental Quality Act (CEQA) documentation will be performed by the District's consultant, Rincon Consultants.

MKN has budgeted sixteen (16) hours for environmental coordination, including preparation of exhibits, review of the environmental document, or development/design of mitigation measures. If the work effort exceeds this allowance, MKN will notify the District as soon as possible.

ASSUMPTIONS

- The District will perform a radio survey to determine antenna height requirements for the new BPS and PRV stations.
- The District will provide available as-built plan information for water and sewer facilities within the project area.
- Upfront contract documents will be provided by the District.
- All permits will be obtained by the District other than those specifically identified above.
- At this time, a budget has not been developed for engineering support during construction, construction phase administration, or construction observation services. A budget for these services can be provided upon request.
- MKN shall be entitled to rely reasonably upon the accuracy of data and information provided by or through the District and will use good professional judgment in reviewing and evaluating such information. If MKN identifies any error or inaccuracy in data or information provided by or through the District, or determines that additional data or information is needed to perform the services, MKN shall promptly notify the District.
- District will provide and coordinate access to and around site as required to perform work.
- Existing rights of way are not more than 5 feet from the existing edge of pavement or back of walk.
- Mapping will not be required beyond existing walls, hedgerows, fences, etc., excepting meters and clean outs within approximate right of way.
- Easement mapping, easement exhibits, and negotiation are not included.
- Overall level of effort for ESDC can vary greatly. If additional effort beyond our assumed budget is necessary, MKN will alert the District promptly with a recommendation on how to proceed.

SERVICES NOT INCLUDED

- Engineering services during construction
- Construction management services
- Title Company reports, services and fees
- Sub-surface utility detection other than potholing services identified herein
- Permitting or environmental services other than the encroachment permits described above
- Boundary research, compilation, surveys or filing maps or records of any kind with the County Surveyor
- Construction staking
- Services beyond those specifically listed in the Scope of Work above

PROPOSED SCHEDULE

The anticipated design schedule is summarized below. It assumes District review periods of two weeks for all deliverables.

Task	Weeks from Notice-to-Proceed
Kickoff Meeting	2 weeks
Task Group 200 Utility Research	4 weeks
Task Group 300 Topographic Survey work completed	8 weeks
Task Group 400 Geotechnical Design Services work completed	11 weeks
Task Group 500 Tree Protection Plan - Draft	15 weeks
Task Group 500 Tree Protection Plan - Final	2 weeks after receiving comments on Draft Plan
Task Group 600 Basis Of Design – Draft Memorandum	15 weeks
District Review Meeting	17 weeks
Task Group 600 Basis of Design – Final Memorandum	19 weeks
Task Group 700 Contract Document Development	
60% Submittal	32 weeks
District Review Meeting	34 weeks
95% Submittal	40 weeks
District Review Meeting	42 weeks
100% Submittal	44 weeks
Task Group 800 Environmental Coordination	As needed

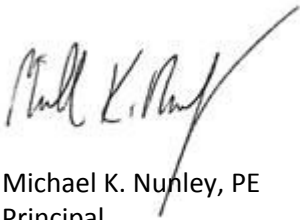
FEE SUMMARY

MKN proposes to complete this project on a time and materials basis, with a budget of \$ \$323,221 that will not be exceeded without written authorization from the District. The budget per Task Group is provided on the next page and detailed in the attached spreadsheet.

Task Group	MKN	ECG	Yeh	NV5	SSG	IRJ	Travis Ag	Standard Demo	Subtotal
100	\$14,280	-	-	-	-	-	-	-	\$14,280
200	\$4,724	-	-	-	-	-	-	-	\$4,724
300	\$1,936	\$30,800	-	-	-	-	-	-	\$32,736
400	\$1,028	-	\$23,121	-	-	-	-	-	\$24,149
500	\$2,492	-	-	-	-	-	-	-	\$2,492
600	\$27,102	\$3,300	-	-	\$3,300	\$5,995	\$38,225	\$3,850	\$81,772
700	\$126,342	-	-	-	\$9,350	\$23,980	-	-	\$160,472
800	\$2,596	-	-	-	-	-	-	-	\$2,596

Thank you for giving MKN the opportunity to provide professional engineering services for your project. If you have any questions regarding this proposal, please contact me at mnunley@mknassociates.us or by phone at (805) 904-6530.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael K. Nunley". The signature is written in a cursive style with a long, sweeping flourish extending upwards and to the right.

Michael K. Nunley, PE
Principal

Attachments:

1. Budget
2. Fee Schedule

Proposal for Engineering Services – Arbolada Pump Station Upgrade																
	Principal Engineer	Senior Project Engineer	Assistant Engineer	Drafter	Administrative Assistant	Total Hours (MKN)	Subtotal Labor (MKN)	ODCs (MKN)	ECG (Subconsultant)	Yeh (Subconsultant)	NV5 (Subconsultant)	SSG (Subcontractor)	IRJ (Subconsultant)	Travis AG (Subconsultant)	Standard Demolition (Subcontractor)	Total Cost
TASK GROUP 100 PROJECT MANAGEMENT, MEETINGS AND QA/QC																
101 Progress Reports	2	6	0	0	8	16	\$ 1,836	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,836
102 Project Schedule	2	6	8	0	0	16	\$ 2,396	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,396
103 Decision Log	2	6	0	0	0	8	\$ 1,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,380
104 Quality Control	32	0	0	0	0	32	\$ 5,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,760
105 Project Kick off & Site Walk	4	4	0	0	0	8	\$ 1,400	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,600
106 Information Review	2	2	4	0	0	8	\$ 1,208	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,308
Subtotal	44	24	12	0	8	88	\$ 13,980	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,280
TASK GROUP 200 UTILITY RESEARCH																
Utility Research	2	4	16	16	0	38	\$ 4,624	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,724
Subtotal	2	4	16	16	0	38	\$ 4,624	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,724
TASK GROUP 300 TOPOGRAPHIC SURVEY																
Survey	2	4	4	4	0	14	\$ 1,936	\$ -	\$ 30,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,736
Subtotal	2	4	4	4	0	14	\$ 1,936	\$ -	\$ 30,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,736
TASK GROUP 400 GEOTECHNICAL DESIGN SERVICES																
Geotechnical Services	1	2	4	0	0	7	\$ 1,028	\$ -	\$ -	\$ 23,121	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,149
Subtotal	1	2	4	0	0	7	\$ 1,028	\$ -	\$ -	\$ 23,121	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,149
TASK GROUP 500 TREE PROTECTION PLAN																
Tree Protection Plan	2	2	8	8	0	20	\$ 2,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,492
Subtotal	2	2	8	8	0	20	\$ 2,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,492
TASK GROUP 600 BASIS OF DESIGN MEMORANDUM																
Task 601 Electrical Evaluation	1	2	4	0	0	7	\$ 1,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,995	\$ -	\$ -	\$ 7,023
Task 602 Structural Evaluation	1	2	4	0	0	7	\$ 1,028	\$ -	\$ -	\$ -	\$ 3,300	\$ -	\$ -	\$ -	\$ -	\$ 4,328
Task 603 Preliminary Engineering	16	40	64	64	8	192	\$ 24,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,850	\$ -	\$ 28,322
Task 604 Potholing Allowance	1	1	1	1	0	4	\$ 574	\$ -	\$ 3,300	\$ -	\$ -	\$ -	\$ -	\$ 38,225	\$ -	\$ 42,099
Subtotal	19	45	73	65	8	210	\$ 27,102	\$ -	\$ 3,300	\$ -	\$ 3,300	\$ 5,995	\$ 38,225	\$ 3,850	\$ -	\$ 81,772
TASK GROUP 700 CONTRACT DOCUMENT DEVELOPMENT																
701 60% Submittal	18	48	240	250	0	556	\$ 66,130	\$ -	\$ -	\$ -	\$ -	\$ 6,545	\$ 16,786	\$ -	\$ -	\$ 89,461
702 95% Submittal	10	30	34	80	0	154	\$ 18,978	\$ -	\$ -	\$ -	\$ 1,870	\$ 4,796	\$ -	\$ -	\$ -	\$ 25,644
703 Final Submittal	8	10	26	32	0	82	\$ 9,546	\$ -	\$ -	\$ -	\$ 935	\$ 2,398	\$ -	\$ -	\$ -	\$ 12,879
Specifications and Cost Opinions	10	10	24	24	0	68	\$ 8,876	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,876
704 SCADA/Telemetry Design	10	16	40	60	0	126	\$ 15,420	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,420
705 Progress Meetings	6	6	0	0	0	12	\$ 2,100	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700
706 Constructability Review	8	4	0	0	0	12	\$ 2,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,120
707 Encroachment Permit Application and Negotiation	2	6	8	8	0	24	\$ 3,172	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,372
Subtotal	72	130	372	454	0	1034	\$ 126,342	\$ 800	\$ -	\$ -	\$ 9,350	\$ 23,980	\$ -	\$ -	\$ -	\$ 160,472
TASK GROUP 800 ENVIRONMENTAL COORDINATION																
Environmental Coordination	4	4	4	4	0	16	\$ 2,296	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,596
Subtotal	4	4	4	4	0	16	\$ 2,296	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,596
TOTAL BUDGET	146	215	493	551	16	1427	\$ 179,800	\$ 1,500	\$ 34,100	\$ 23,121	\$ -	\$ 12,650	\$ 29,975	\$ 38,225	\$ 3,850	\$ 323,221

Billing Rates	\$/hr
Principal Engineer	180
Senior Project Engineer	170
Assistant Engineer	127
Drafter	97
Administrative Assistant	57

Mileage to be reimbursed at IRS rate





MKN & Associates, Inc.
PO Box 1604
Arroyo Grande, CA 93421
805 904 6530

FEE SCHEDULE FOR PROFESSIONAL SERVICES

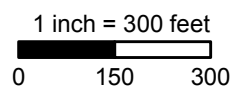
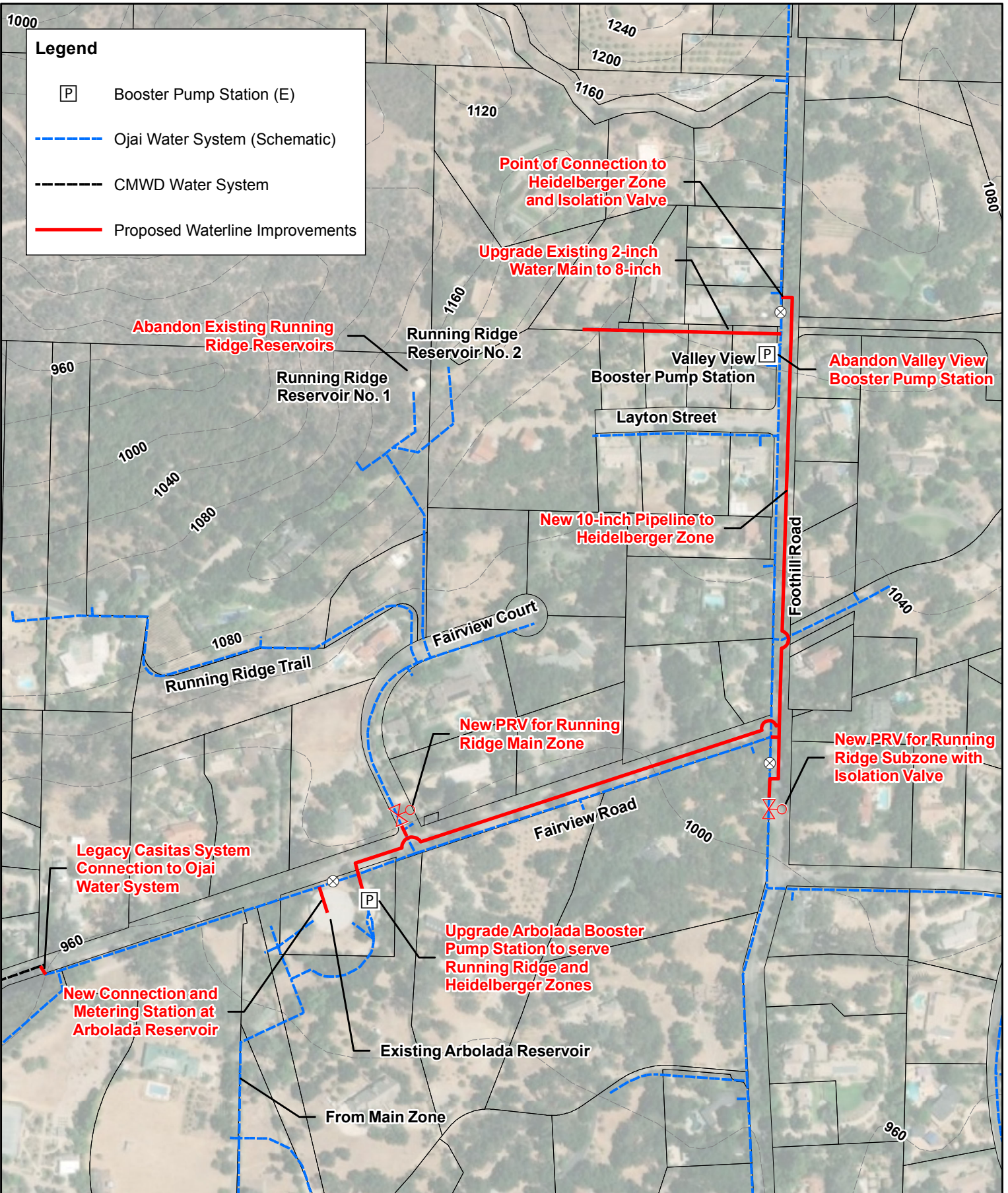
ENGINEERS AND TECHNICAL SUPPORT STAFF

Principal Engineer	\$180/HR
Senior Project Engineer	\$170/HR
Project Engineer	\$150/HR
Water Resources Planner	\$138/HR
Assistant Engineer	\$127/HR
GIS Specialist	\$130/HR
GIS Technician	\$110/HR
Senior Design Technician	\$97/HR
Administrative Assistant	\$57/HR

Routine office expenses such as computer usage, telephone charges, office equipment and supplies, incidental postage, copying, faxes, etc., are included in the hourly rates.

DIRECT PROJECT EXPENSES

Outside Reproduction	Cost + 10%
Subcontracted or Subconsultant Services	Cost + 10%
Travel & Subsistence (other than mileage)	Cost
Auto Mileage	Current IRS Rate - \$.54/mi.



Running Ridge Zone Improvements



**CASITAS MUNICIPAL WATER DISTRICT
MEMORANDUM**

TO: MICHAEL FLOOD, GENERAL MANAGER
FROM: JULIA ARANDA, ENGINEERING MANAGER
SUBJECT: TEAGUE WATERSHED WELL FEASIBILITY ASSESSMENT
TECHNICAL MEMORANDUM
DATE: 03/13/19

RECOMMENDATION:

It is recommended the Board of Directors receive and file the Teague Watershed Well Feasibility Assessment Technical Memorandum prepared by Pueblo Water Resources Inc, dated February 28, 2019.

BACKGROUND AND DISCUSSION:

The Board authorized a contract with Pueblo Water Resources, Inc. (Pueblo) in January 2019 to evaluate the feasibility of installing groundwater wells in the Teague watershed, north of Lake Casitas. Pueblo has completed the Technical Memorandum, which included review of background documents including the hydrologic setting and well logs. Based on this review, Pueblo has concluded the hydrogeologic conditions are likely not favorable, less than 50 gallons per minute, for water production wells of the capacity desired by the District.

BUDGET IMPACT:

There is no budget impact at this time.

Attachment: Technical Memorandum dated February 28, 3019

TECHNICAL MEMORANDUM
Pueblo Water Resources, Inc.

4478 Market St., Suite 705
Ventura, CA 93003

Tel: 805.644.0470
Fax: 805.644.0480



To: Casitas Municipal Water District
Julia Aranda, Engineering Manager

Date: February 28, 2019
Project No: 18-0143

From: Martin Feeney, C.Hg., Principal Hydrogeologist

Subject: Teague Watershed Well Feasibility Assessment

This technical memorandum presents the findings and conclusions developed through a reconnaissance-level evaluation of the hydrogeologic conditions in the area north of Lake Casitas – an area locally referred to as the ‘Teague Watershed’. This report reviews available hydrogeologic information and provides conclusions regarding the viability of developing groundwater supply from the area of sufficient quantity that would warrant pursuit of this resource by the District.

Background. The Casitas Municipal Water District (District) is evaluating various options that may provide additional water supply and redundancy to the District’s existing supplies. One of the ideas is the development of groundwater resources on the undeveloped property located immediately north of north of Lake Casitas, across Highway 150, and west of Santa Ana Road. The location of the property is shown in **Figure 1**.

Much of the property within the Teague Watershed is owned by Bureau of Reclamation (Bureau), and the District has the understanding that should an appreciable quantity of groundwater supply be potentially available from this property, the District would be able to negotiate with the Bureau agreements to locate groundwater supply facilities within the Bureau’s property. Prior to continuing negotiations with the Bureau, the District wanted to develop a better understanding of the groundwater supply potential of this area, and therefore requested that Pueblo Water Resources, Inc. (Pueblo) perform such an evaluation. This technical memorandum presents Pueblo’s assessment of the Teague Watershed groundwater supply potential.

Hydrogeologic Setting. Geologically, the project area is located on the south limb of a large anticline which forms the mountains behind Ojai. The anticline deforms a thick sequence of marine and non-marine sedimentary rocks. Immediately underlying the Teague Watershed site is a thick section of the Sespe Formation, a continental sedimentary deposit comprised of layers of claystone, sandstone, and conglomerate. Oil well log data from the California Division of Oil, Gas, and Geothermal Resources (DOG) for wells located near the project site reveal the Sespe Formation to extend to depths of as much as 5,000 feet.



In some locations, primarily along drainage corridors, the Sespe Formation is overlain by a thin veneer of alluvial deposits. Available data from well logs reveal the alluvial deposits to be relatively thin, generally less than 30 feet thick. **Figure 2** presents a geologic map of the project area, and **Figure 3** presents a hydrogeologic cross-section through the study area. The location of the cross-section is shown on Figure 2. Individual units (layers) within the Sespe are inclined toward the south at angles ranging between approximately 25 and 35 degrees.

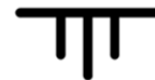
Well Inventory. The California Department of Water Resources (DWR) has well log data for approximately 26 wells in the area along Highway 150 between the Ventura River and Casitas Pass. There is also evidence of 3 wells on the existing Bureau property, but information related to these wells could not be located. The low number of known wells in the study area is due to the fact that much of the area is within U.S. Forest Service property or within the District service area, where it is possible that private property owners may not be motivated to develop their own water supply.

An inventory of wells within the study area is provided in Table 1, which also includes a summary of available well information. The locations of the wells listed in Table 1 are shown on **Figure 4**.

As indicated in Table 1, the majority of wells within or near the study area are completed in the Sespe Formation, with a few of the wells completed in Ventura River alluvium. Well depths range from approximately 150 feet to 800 feet. Information related to the pumping capacity of many of the wells is also listed. Pumping rates are estimated either from pumping test data listed on the well completion reports or through reports of airlift pumping discharge rates. Where airlift rates are used, the pumping capacity of a well is adjusted to be approximately one-half of the airlift rate. Using the pumping rate, or the adjusted pumping rates, specific capacity values were derived. As shown in Table 1, pumping rates for wells completed in the Sespe Formations relatively low – typically below 25 gallons per minute (gpm). Wells completed in the Ventura river alluvium have relatively higher yields than do Sespe wells. The specific capacities derived for study area wells where the necessary data were available are very low, less than 1 gpm/ft, which is common for Sespe wells located in the mountains in Ventura and Santa Barbara counties.

Water Quality. Although the scope of work for this study did not include the assessment of water quality data or water quality sampling, based on our experience with Sespe Formation Wells in other areas within Ventura and Santa Barbara counties, and discussions with other local hydrogeologists with direct experience with Sespe Wells in the Teague study area (R. Hoffman, PG, CEG; M. Burke, PG, CHg), Sespe Formation wells generally produce water with elevated concentrations of total dissolved solids, iron, and manganese.

Project Implementation Considerations. Although the available data strongly suggests that development of significant groundwater resources from within the study area is unlikely, some additional factors other than the hydrogeologic conditions need to be considered. First, for a permanent project facility, property acquisition and permitting may require significant effort. Should the District opt to develop a test well program, site selection and permitting may be much less onerous. Test well sites could be located on property immediately north of Highway 150 where access would be straightforward, or on property adjacent to the diversion



canal. Either of these two sites would provide access to hydrogeologic conditions representative throughout the study area.

Project costs are also an important consideration. Should the District decide to move forward with a test well program, the program would include test drilling, test well construction, well development, well testing, and water sample analysis. The cost for such a program, which includes planning, oversight, and analysis by a qualified hydrogeologist, is estimated to be approximately \$250,000.

To develop a permanent project or permanent facilities, if warranted based on test well results, additional significant costs would be incurred to establish infrastructure to connect the facilities to the District's system. Treatment costs, should treatment be needed (and likely will be), would also increase total project costs if the water were to be conveyed directly into the District's system. Alternatively, wells could be located adjacent to and pump directly into the diversion canal, which would reduce conveyance costs and eliminate the need for treatment.

Conclusions/Recommendations

Based on our experience with Sespe Formation wells (and other 'bedrock' wells) and our review of the hydrogeologic data available from within the Teague Watershed study area, we have developed the following conclusions:

- The Sespe Formation is the only option for well completion/groundwater supply for wells located within the study area;
- The expected initial yield from a Sespe Formation well will likely be relatively low, less than 50 gpm;
- The yield of a Sespe Formation well (and all wells in general) will decrease over time due to dewatering of the aquifer and plugging of the well screen and gravel pack;
- Routine well rehabilitation (every five years at a minimum) will be necessary to maintain the yield of the well, and well rehabilitation will add to project O&M costs;
- The water quality of a Sespe well is expected to be relatively poor, with high concentrations of total dissolved solids, iron, and manganese;
- Although a detailed cost/benefit analysis has not been performed as part of this hydrogeologic assessment, it is expected that because of the anticipated low yield from Sespe Wells, costs associated with land acquisition and permitting, infrastructure costs, and O&M costs, the unit cost for produced water will be relatively high and pursuit of a permanent Sespe Well project/facilities would not be warranted; and
- In general, hydrogeologic conditions for the available properties within the Teague Watershed are likely not favorable in terms of meeting water production goals of District.

Should the District wish to verify the conclusions of this analysis and further the investigation of the groundwater supply potential of the Teague Watershed study area, we



recommend development and execution of a test well project. The test project should include drilling of a test boring to a depth of approximately 800 feet and construction of a well of sufficient diameter to allow for installation of suitable pumping equipment and appropriate and thorough testing in terms of well yield and water quality. The pumping test should be of sufficient duration to establish representative well yield and water quality conditions.

Attachments: Figure 1 –Study Area Map
Figure 2 - Geologic Map
Figure 3 – Geologic Cross Section
Figure 4 – Well Location Map
Table 1 – Well Inventory and Well Information Summary



FIGURE 1. STUDY AREA MAP
Teague Watershed Well Feasibility Assessment
Casitas Municipal Water District

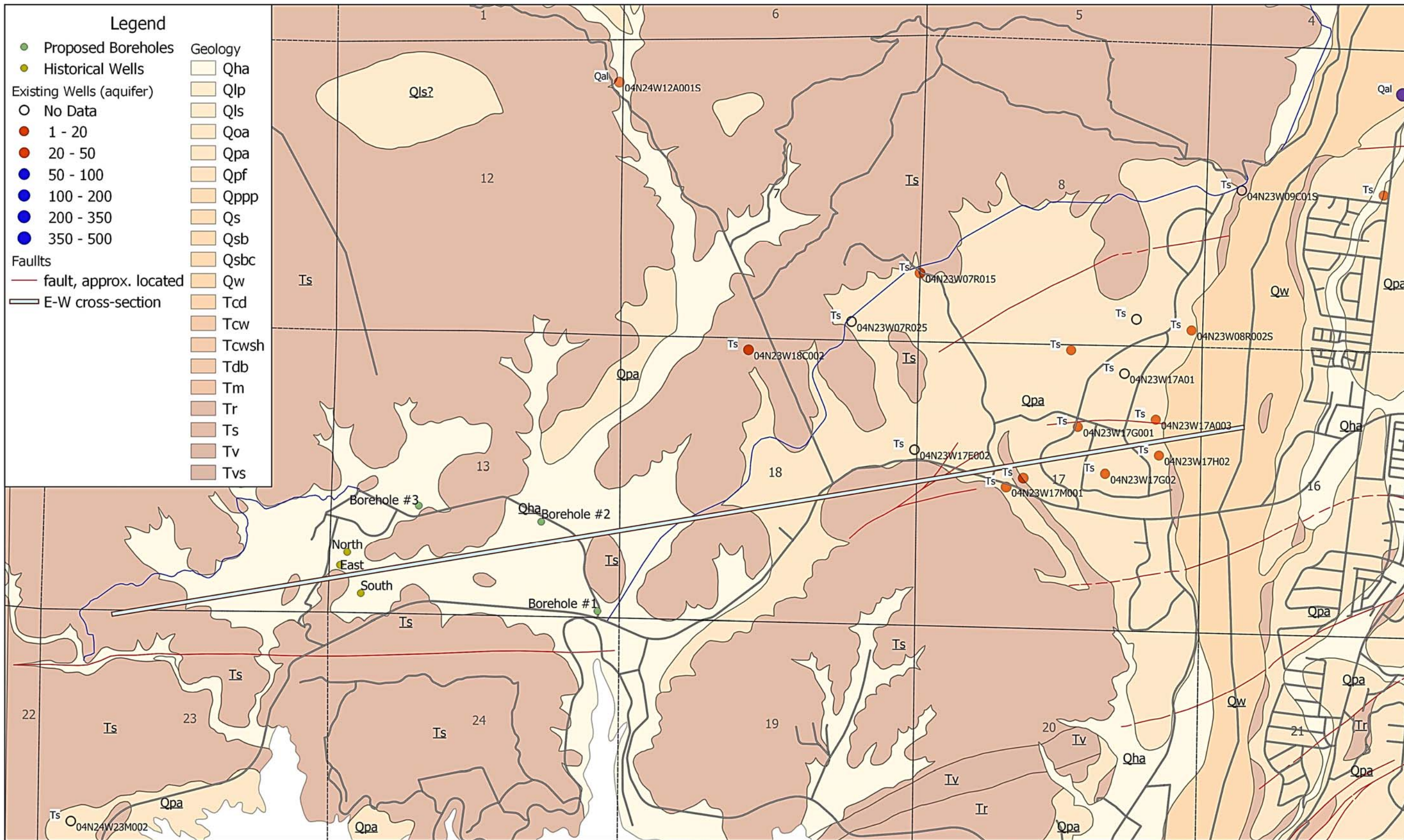
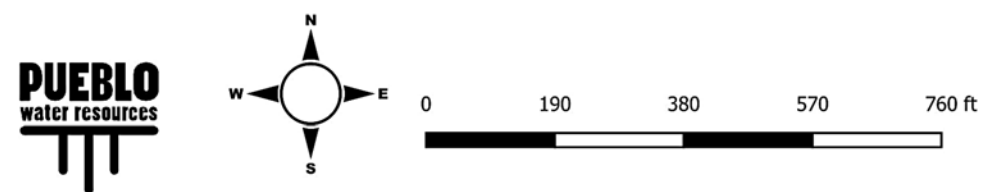


FIGURE 2 - Geologic Map
Teague Watershed Well Feasibility Assessment
Casitas Municipal Water District



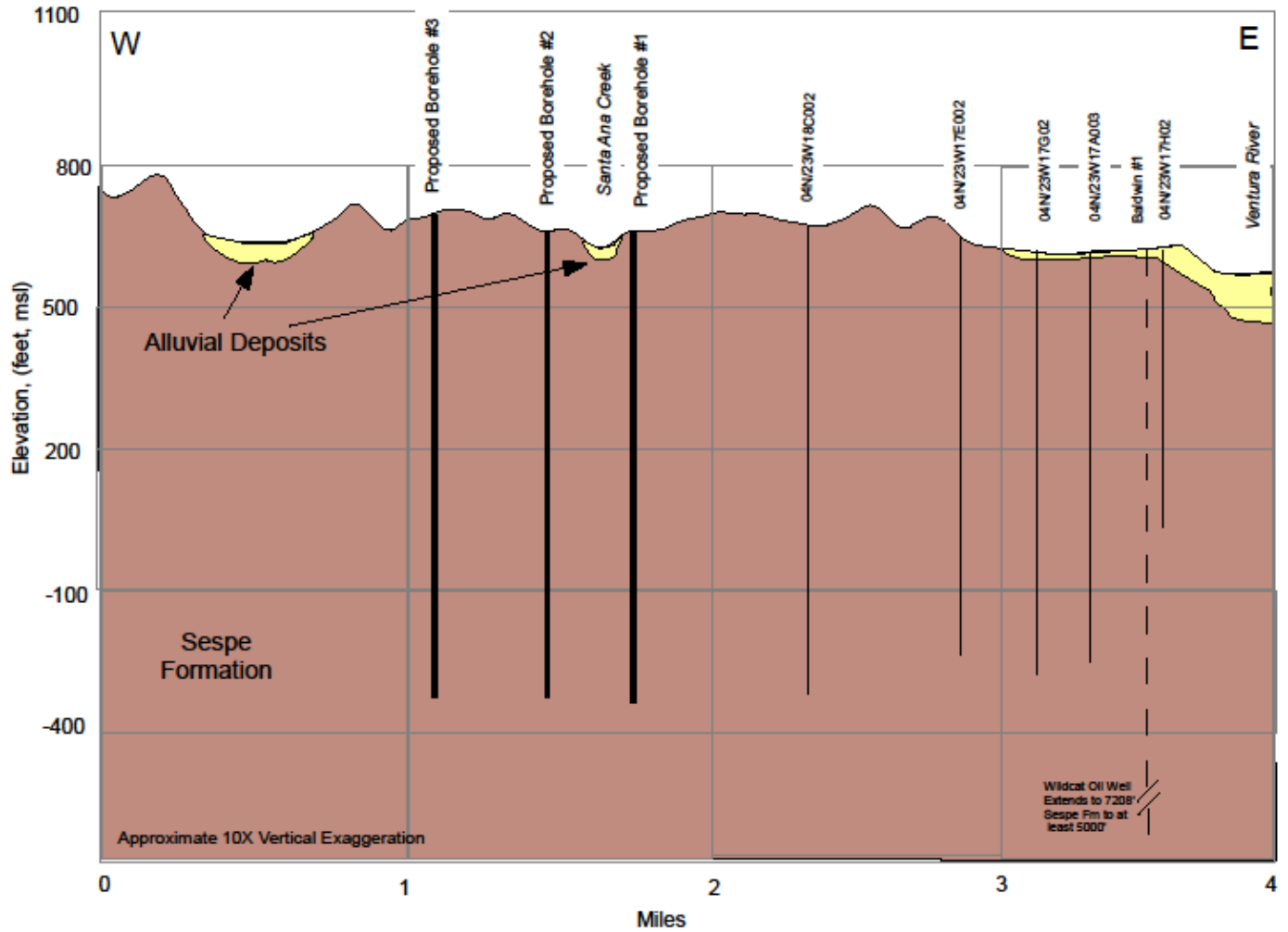


FIGURE 3. GEOLOGIC CROSS SECTION
Teague Watershed Well Feasibility Assessment
Casitas Municipal Water District

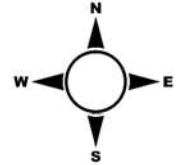
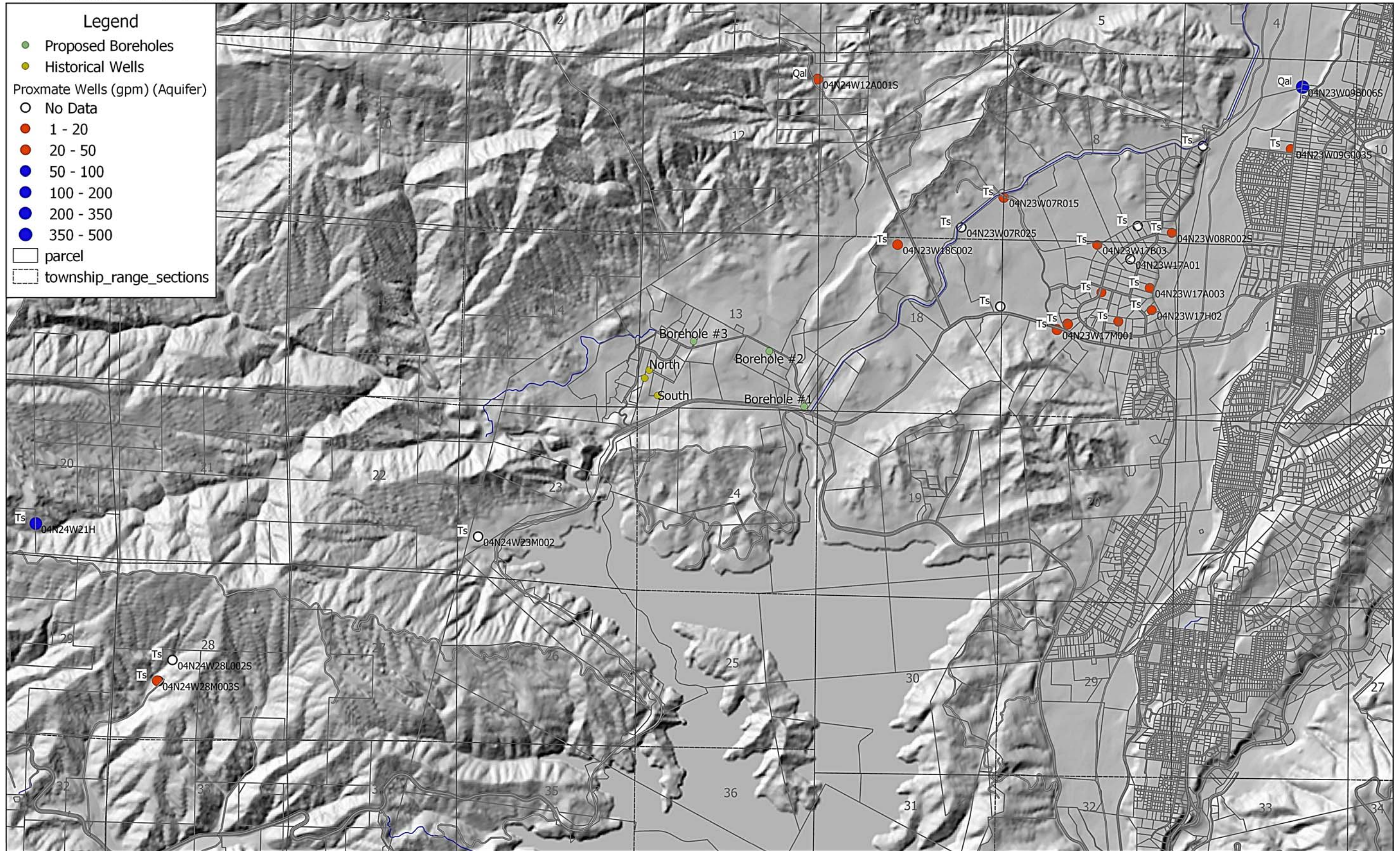


FIGURE 4 - Well Location Map
 Teague Watershed Well Feasibility Assessment
 Casitas Municipal Water District

**Table 1. Well Inventory and Well Information Summary
Teague Watershed Groundwater Supply Assessment
Casitas Municipal Water District**



State Well #	Well Name/Well I.D.	Elevation (ft, msl)	Depth (ft)	Well Type	Depth to Bedrock (ft)	Aquifer	Static Water Level (ft)	Water Surface Elevation (ft)	Pumping Rate (ft)	Pumping Method	Duration (ft)	Drawdown	Adjusted Pumping Rate (gpm)	Specific Capacity (gpm/ft)
04N23W07R015	Farmont "C"	695	780	V	18	Ts	24	671	50	Air-lift	4.5	NA	25	
04N23W07R025	Farmont "E"	700	795	V	3	Ts	2	698	NA	NA	NA	NA	NA	
04N23W08R002S	12490 McDonald	629	120	V	50	Ts	53	576	40	Air-lift	2	NA	20	
04N23W08R003S	12463 McDonald	622	510	V	30	Ts	NA	NA	20	NA	NA	NA	NA	
04N23W09B006S	MOWD Well #4	660	150	V	160	Qal	50.4	609.6	406	Pump	10	NA	406	
04N23W09C01S	Farmont "A"	695	800	T	45	Ts	NA	NA	NA	NA	NA	NA	NA	
04N23W09G003S	667 S. Rice Road	665	125	V	10	Ts	100	565	15	Air-lift	NA	NA	7.5	
04N23W17A003	12250 Linda Flora	600	175	V	8	Ts	100	500	15	Pump	3	NA	10	
04N23W17A01	12339 Linda Flora	620	200	V	45	Ts	NA	NA	5	NA	NA	NA	NA	
04N23W17B03	1013 Shokat	613	720	V	18	Ts	15	598	10	Pump	24	520	10	0.02
04N23W17E002	Farmont "D"	615	730	T	0	Ts	NA	NA	NA	NA	NA	NA	NA	
04N23W17F001	Hwy 150	591	260	V	20	Ts	40	575	42	Air-lift	NA	NA	21	
04N23W17G001	926 Shokat	599	367	V	0	Ts	43	556	15	Bailer	6	70	5	0.07
04N23W17G02	861 Oak Grove Ct	600	520	V	60	Ts	NA	NA	25	Air-lift	8	NA	12.5	
04N23W17H02	12339 Linda Flora	596	140	V	40	Ts	55	541	40	Air-lift	5	NA	20	
04N23W17M001	1320 Baldwin	576	800	V	0	Ts	11	565	30	Pump	7	303	30	0.10
04N23W18C002	14209 DeLa Garriquer	746	619	V	10	Ts	30	716	50	Air-lift	8	NA	25	
04N24W12A001S	2158 Baldwin	965	135	V	135	Qal	32	933	50	Pump	24	11	50	4.5
04N24W19D001	Botello #1	1390	661	V	0	Ts	NA	NA	NA	NA	NA	NA	NA	
04N24W21H	Behind Ranger Sta	1560	420	V	0	Ts	0	1560	500	Airlift	6	NA	250	
04N24W23M002	Behind Ranger Sta	660	605	V	0	Ts	NA	NA	NA	NA	NA	NA	NA	
04N24W23R002	4585 Casitas Pass	980	780	V	0	Ts	110	870	61	Airlift	8	NA	30.5	
04N24W28L002S	5333 Casitas Pass	1100	595	H	0	Ts	NA	NA	NA	NA	NA	NA	NA	
04N24W28M003S	West Casitas Pass	1170	600	V	3	Ts	144	1026	100	Air-lift	2	NA	50	
04N24W28R003S	4585 Casitas Pass	982	760	V	0	Ts	NA	NA	NA	NA	NA	NA	NA	
04N24W34N001	4292 Casitas Pass	1232	520	V	0	Ts	190	1042	40	Air-lift	2	NA	20	

Well Type:

V=vertical

H: horizontal

T: test, abandoned due to low yield

Producing Formation:

Qal=alluvial deposits

Ts=Sepe Formation

MEMORANDUM

TO: Board of Directors
From: Michael L. Flood, General Manager
RE: **Discussion Regarding 2019 State Water Project Table A Water Supply**
Date: March 8, 2019

RECOMMENDATION:

The Executive Committee consider options for use of CMWD's portion of the State Water Project Table A water supply and send a recommendation to the Board of Directors.

BACKGROUND:

On November 30, 2018, the initial State Water Project 2019 allocation was set by the California Department of Water Resources (DWR) at 10% (500 acre-feet for Casitas).

On January 18, 2019 the DWR issued 'Notice to State Water Project Contractors' 19-01, setting the rate for Turnback 'Pool A' @ \$35.04/acre-foot and for 'Pool B' @ \$17.52/acre-foot. The deadlines to submit requests to the SWP Turnback Pool Program are February 15, 2019 for Pool A and March 15, 2019 for Pool B.

On January 25, 2019, the DWR issued 'Notice to State Water Project Contractors' 19-03 raising the 2019 allocation to 15% (750 acre-feet for Casitas).

On February 20, 2019 the DWR issued 'Notice to State Water Project Contractors' 19-06 raising the 2019 allocation to 35% (1,750 acre-feet for Casitas).

In 2018, Casitas MWD executed an exchange agreement with San Geronio Pass Water Agency (SGPWA) in which SGPWA paid Casitas MWD \$750,000.00 for its 2018 SWP Table A water supply. Additionally, Casitas MWD will be required to take back 40% of the water exchanged in a future year. The agency that receives the water is wholly responsible for any variable charges in the year that the water is delivered to them. The final amount of water exchanged was 1,750 acre-feet (35% 2019 Final Table A allocation).

In a recent discussion with Jeff Davis, General Manager of San Geronio Pass Water Agency (SGPWA), the Board of Directors for SGPWA will review a term sheet to send to Casitas at an upcoming meeting of that board.

Ventura Water presented a proposed transfer of their 2019 State Water Project Table A to San Geronio Pass Water Agency with the City of Ventura Water Commission at a meeting of the Commissioners on Tuesday, February 26, 2019. The proposed terms are for a straight transfer with no return water and a compensation of \$1,099,155.50.

DISCUSSION:

Casitas MWD has options for the use of its portion of the 2019 SWP Table A supply of which the following are found to be the feasible at this time:

1. **Sale to the Turnback Pool:** Assuming that the 2019 Table A allocation stays at 35%, the District would realize minimum of \$13,140.00 at the Turnback Pool B price. No offers for sale of Table A water were posted for Turnback Pool A.
2. **Sale of the 2019 Table A Allocation to another SWP Contractor:** As noted above SGPWA is likely to approve and send a term sheet to Casitas MWD in the coming weeks. This term sheet will be brought back to the Executive Committee for review.
3. **Carryover of 2019 Table A supply in San Luis Reservoir:** The ability to carryover 2019 Table A is likely to not be allowed this year since it appears the City of Ventura will be transferring their Table A supply to SGPWA. This precludes anyone under the current VCWPD State Water Contract from storing carryover water this year.
4. **Storage of 2019 SWP Table A with an external water bank for use in a future year:** There are many options for storing the 2019 Table A water supply outside the District's boundaries with another State Water Contractor. This option would be somewhat costly in either dollars or water.

Each of the above options have timing constraints with the Turnback Pool B option needing a decision by March 15, 2019. The expectation is that the terms potentially offered by SGPWA will exceed the price in Turnback Pool B.

April 29-30, 2019



Localizing California Waters Regional Summit

LCW: TriCounty Central Coast (*working name*)

Building Community Resiliency through Collaboration

PREAMBLE:

Ojai Valley Inn

225 people classroom style

400 max theatre style

AUDIENCE: Water, Landuse, Natural Resource Managers (influencers-policy/designers/regulatory/equity/funding/service)

POTENTIAL LISTED PARTNER CONVENERS: (not confirmed)

Ojai City, Ventura River Water District, Santa Barbara Land Trust, Ventura Land Trust, SLO Land Trust, Ojai Valley Land Trust, Ojai Chautauqua, Ventura City, Project WET, USFS, Ventura River Watershed Council, South Coast Habitat Restoration, Santa Barbara County, VCRCD, SLORCD, Cachuma RCD, TriCounty Fish Team, Creeklands, Ca Gov Office OPR, City of San Luis Obispo, Telele Foundation, NOAA, Tribal, Central Coast Water Conservancy, Ojai Valley Green Coalition, Ventura County Watershed Coalition, Morro Bay National Estuary Program, Ojai Ventura Water Agency Partnership, UC Santa Barbara, Cal Poly SLO, Friends of the River, Upper Ventura River Groundwater Assoc.

(POTENTIAL) FUNDING SPONSORS:

1. Ojai Valley Inn (facility, discount on rooms/food)
2. Project WET (coordination funds, topics, proceedings)
3. The Thacher School (A/V)
4. Patagonia (facilitator-pending ask)
5. Casitas Municipal Water District (lunch-pending ask)
6. Wildlife Conservation Board (facilitator-pending approval)
7. Santa Barbara Foundation (need to request, informal yes)
8. Rosewood Foundation (DAC participant travel assistance)
9. California Onsite Water Association (breakfast)
10. Ojai Valley Brewery?/Topa Topa Brewery/Winery (for mixer-poster session)
11. more to brainstorm HERE still need (15 speaker rooms \$3750)

Need Statement: The coastal San Luis Obispo, Santa Barbara and Ventura Counties have many geographical similarities while sharing vulnerabilities, such as water security, diminishing instream summer base flows, heightened fire and flooding risks. Many organizations in these counties have worked on streamlining efforts to reach a shared water vision, such as the Central Coast Water Conservancy and local IRWMs. However successful these efforts, silos still remain a barrier and competition for funding resources and lack of multiple benefit based projects can be enhanced. The LCW meeting aims at giving space to exchanging ideas of successful strategies that benefit Water Security, Fire/Flood, and Instream Flows, and opportunity to create a larger framework for voluntary agreements and collaborative approaches.

Outcomes: The LCW outcomes will focus on a shared water vision in 2019 for TriCounty Ca Coast Region, building off intersections of existing excellent visions from local efforts such as Ventura River Watershed Management Plan and other Water Management collaborative in the region.

- **Day 1 Ventura-San Luis Obispo Focus:** Collaboration, and literacy of latest case studies and tools from experts throughout California on balancing healthy economies, water security and watershed balance. A poster session/reception will integrate relevant current case studies, strategic planning efforts, and implementation streamlining.
- **Day 2 Ventura Watershed Focus:** Facilitated workshop, panels, seminars resulting in a shared vision and next steps for collaborative frameworks for Ventura River Watershed. If other watersheds participants are present, they will be allowed to breakout to create next steps for their watersheds as well.

Featured Speakers/Presenters:

Power of the Shared Water Vision: *Felicia Marcus, SWRCB and Eric Ekdahl Deputy over Division of Water Rights*

Water Availability and Climate in Tight Places: Drought/Fire (setting the stage statewide-describing overall trends) *Jay Famiglietti (confirmed): James S. Famiglietti is the director of the Global Institute for Water Security at the University of Saskatchewan in Saskatoon, Canada.*

Other notable speakers: *(others are pending)*

- Brock Dolman, The Water Institute
- Nicole Kuenzi, Ann Marie Orr Division of Water Rights, SWRCB
- Dan Worth, Kevin Delano Instream Flow Unit, SWRCB
- Mary Larson, Erin Wilson, CDFW
- Adam Ballard, WCB (funding)
- Staci Smith, and other (pending) NOAA/NMFS
- Carmela Brown, DWR (funding)
- Martha Davies (Inland Empire WD, Mono Lake Committee)
- Debbie Franco, Ca Governors Office of Planning and Research, Drought and Rural Affairs
- Bob Wilkinson, UC Santa Barbara Bren School

CMWD Ask:

- 1) Sponsor for Lunch for Monday and Tuesday, \$13,200 total
 - \$44/per participant
 - Expected no more than 200 on Monday \$8,800
 - Expected no more than 100 on Tuesday \$4,400
- 2) Participate in program with staff, and two board members
- 3) If sponsor, give input on agenda prior to March 22

Benefits to CMWD:

- 4) Leader in Collaborative Solutions for Ventura Watershed
- 5) No risk for taking a position on Channel Keeper v Ventura, only gain by creating space for solution based forum
- 6) Been seen as engaged by SWRCB, WCB, CDFW, NOAA/NMFS, DWR (who will be present)
- 7) Will be able to give input on agenda prior to March 22
- 8) Signage (if desired) at sponsored lunch
- 9) Speaker choice (if desired) at sponsored lunch

2019 Board Priorities List

Category: Board Policy

		Complete?	Status/Disposition	Result
1	Equine prohibitions in the LCRA (check to see if there is a current policy/ordinance). (5) (Completion: 90 Days)	Yes	Presented to Executive Committee	Ordinance Already Exists
2	Review of allocation penalty policy. (Completion: 60 Days) (5)	No	District Counsel Researching/Writing	
3	Review need for a Mission Statement and the ability to use this as a filter to discuss what goals can be accomplished (revenues, budgets, environmental issues, recreation elements, etc.) (Completion: 90 Days – Executive Committee) (5)	No	Discussion with Executive Committee	
4	Water rate analysis. (Update in 9 months) (4)	No	Starts October 2019	
5	Strategic plan for recreation area. (Completion: 9 Months – Recreation Committee)(5)	No	Needs Staff Discussion	
6	Committee presentations to the Board. (Ongoing) (5)	Yes	Complete	Ongoing
7	Gauge investment in policies/cost-benefit analysis. (Ongoing) (5)	No	Discussion with Executive Committee	

CASITAS MUNICIPAL WATER DISTRICT

RESOLUTION NO. 06-54

RESOLUTION SETTING THE POLICY ON COMMITTEE MEETINGS
ACCORDING TO GOVERNMENT CODE SECTION 54954(a)

Whereas; the District is required to set by ordinance or resolution rules that are required for the conduct of business by the Board and for the time and place of holding their meetings; and

Whereas; Government Code 54956 provides that the presiding officer of the legislative body of a local agency, or a majority of the members of the legislative body can call a meeting; and

Whereas; the District has not accomplished this requirement of law and wishes to do so; and

Whereas; this resolution is being developed to comply with this law.

Now Therefore Be It Resolved, by the Board of Directors of the Casitas Municipal Water District as follows:

1. Committee Meetings:

A. There shall be 5 committees of the Board including the Water Resources Committee, the Executive Committee, the Finance Committee, the Recreation Committee, and the Personnel Committee.

B. The Time, and Place of the Committee Meetings shall be set annually at the Board Planning Day by motion of the Board.

C. The Board shall approve by motion two of its members to serve on each committee during Board Planning Day.

D. It shall take a quorum to conduct business at a committee meeting. A quorum is two members of the Board.

E. The Board may assign an alternate for the committee. The alternate may serve in the place of the member of the committee. The alternate shall be a member of the Board. The alternate shall be a member of the committee only if one of the two committee members is absent. If the alternate attends with the two committee members present, that alternate shall comply with Government Code Section 54952.2(c)(6) and shall attend only as an observer which is limited to watching and listening, and is undertaken without pay. It is the intent of the Board that the actual committee members serve, it is only if the committee member cannot serve and is willing for an alternate, that the alternate may serve. The alternate would then serve only for that meeting.

F. All items considered by the committee with an alternate, requiring Board action by code or by direction of the Board, shall be sent to the Board for disposition without

returning it to the same committee, unless the minutes of the committee meeting has been reviewed during an intervening Board meeting, in order to avoid seriatim meetings. (See 63 OAG 820).

G. The Committee shall select the presiding officer and alternate presiding officer of each committee, who shall preside unless changed by the committee.

H. The Time, Date and Place of the Committee Meetings may be changed as follows:

i. By both Members of the Committee.

ii. By the General Manager.

J. The change of the Time, Date and Place of the Committee Meetings shall be done by a public noticed agenda for a regular or special committee meeting depending on available time.

K. The general subject matter jurisdiction of each committee shall be as follows:

The Water Resources Committee: All matters generally related to the District's development, purchase, diversion, pumping, receipt, storage and delivery of water; the District's real and personal property employed in such activities; water conservation; water quality; water rights; provision of water meters, connections, and service agreements to customers; and all other matters reasonably related to the District's function as a public water district.

The Executive Committee: All matters generally related to the District's interaction with, membership in, and participation in or with, other public and private entities; attendance of meetings, seminars and conferences by Directors or employees of the District; and District policies;

The Finance Committee: All matters generally related to the District's budget, income and expenses, and water rates; financial claims against the District; and the District's liability, casualty, workers compensation, and other insurance.

The Recreation Committee: All matters generally related to the District's operation of the Lake Casitas Recreation Area, including, but not limited to, those portions of the District's budget and income and expenses related to the Lake Casitas Recreation Area.

The Personnel Committee: All matters generally related to the hiring, training, retention and termination of District employees (including Directors, part-time or temporary employees, campground hosts, and volunteers), and the wages, salaries and retirement, health, welfare, and other benefits provided to the same.

Furthermore, any matter may be referred to any committee by the Board of Directors, by the President of the District, or by the General Manager if it is deemed that there is a limited time for committee consideration of the matter, and the matter cannot be considered in a timely manner by the committee having subject matter jurisdiction thereof, and the matter has not previously been considered by the committee having subject matter jurisdiction thereof.

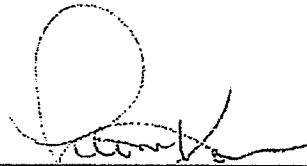
L. Authority of the Committees:

- a. The general authority of the committee is to review items being prepared by management for Board action to ensure that questions are asked that would otherwise go unanswered delaying an item before the board.
- b. An action by the Board is necessary to approve Ordinances, Resolutions, Leak Relief required by policy, approval of attendance and payment at meetings for the Board, legislative support or opposition not covered in the legislative policy, memberships in organizations and funding support of those organizations in excess of \$75, redistricting, changing any ownership in property or enforcing property rights, any rate changes, and Contracts among other things. All such actions will be taken by the Board not the Committee.
- c. The Committee may review any type of information without moving it on to the Board.
- d. The Committee may approve actions consistent with Board policy without re-approval of that policy by the Board, or deny actions inconsistent with Board Policy without approval of the denial by the Board.
- e. The Committee may review and approve newsletters, presentations by the General Manager, or other actions by staff for content and consistency with Board Policy without approval of the Board.
- f. The Committee may review and comment upon management policies without the approval of the Board as such policies are made by management not the Board.
- g. The Committee may review recommendations consistent with legislative policy approved by the Board without further Board action.
- h. Working with management to deal with incidents at the district does not require Board approval.
- i. The Committee may review and suggest solutions to complaints by customers as long as the actions do not exceed the General Managers budget authority or violate any Board Policy.
- j. The Committee may review budget items and support or oppose an expenditure that is within the authority of the General Manager to control.
- k. The Committee may meet with the Auditor of the District and discuss all issues of importance with the Auditors and make suggestions without those suggestions or information requiring Board action.
- l. The Committee may review budgets and do evaluations and discuss and recommend priorities without Board approval as long as the budget is not exceeded or the suggestion of priorities is not inconsistent with Board policy.
- m. The Committee may review risk transfer provided for events and contracts and make suggestions without approval of the Board as long as it is not inconsistent with Board policy.

- n. The Committee may review and give suggestions for negotiations with the Union that are not inconsistent with Board policy or guidance approved by the Board.
- o. The Committee may review and give suggestions for recruitments, personnel policies, and management direction on personnel issues that are not inconsistent with Board policy.
- p. The Committee may review and give suggestions for solving of agreement issues that are not beyond the General Managers budget authority.
- q. The Committee may review and suggest solutions to issues for activities in the park without Board action as long as they do not violate any policy of the Board.
- r. The Committee may give direction to enforce existing contracts without Board action.
- s. The Committee may take other similar action without Board action.
- t. Any ministerial acts by staff.

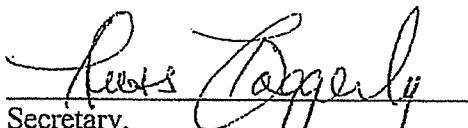
M. The General Manager shall cause to be prepared for the Board's review the minutes of the committee meeting. The Board may direct that any item on the Committee minutes be brought to the Board if any Board member deems it important and requests that it be brought to the Board.

ADOPTED this 8th day of November, 2006



President,
Casitas Municipal Water District

ATTEST:



Secretary,
Casitas Municipal Water District

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: MICHAEL FLOOD, GENERAL MANAGER
FROM: JORDAN SWITZER, WATER QUALITY SPECIALIST
SUBJECT: HYDROLOGIC STATUS REPORT FOR FEBRUARY, 2019
DATE: MARCH 07, 2019

RECOMMENDATION:

This item is presented for information only and no action is required. Data are provisional and subject to revision.

DISCUSSION:

Rainfall Data

	<u>Casitas Dam</u>	<u>Matilija Dam*</u>	<u>Thacher School</u>
February, 2019	9.56"	13.78"	9.41"
Water Year (WY: Oct 01 - Sep 30)	23.04"	32.55"	21.43"
Average Station Rainfall To Date	17.57"	24.93"	15.20"

**Matilija Dam rainfall data unavailable at this time, Matilija Canyon rainfall station used as proxy*

Ojai Water System Data

Well field production (February, 2019)	69.4 AF
Surface water supplementation (February, 2019)	2.3 AF
Static depth to water surface- Mutual #6 (February, 2019)	136.0 ft
Change in static level from January, 2019	+ 31.8 ft

Robles Fish Passage and Diversion Facility Diversion Data

Diversions (February, 2019)	8,506 AF	Total diversions WY to date	10,448 AF
Diversion days in February	26	Diversion days this WY	48

Casitas Reservoir Data

Water surface elevation (02/28/2019)	497.54 ft AMSL
Water storage on March 01, 2019	93,818 AF
Water storage last month	77,142 AF
Net change in storage	+16,676 AF
Change in storage from February 28, 2018	+11,493 AF

**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: MIKE FLOOD, GENERAL MANAGER
FROM: JULIA ARANDA, ENGINEERING MANAGER
SUBJECT: MONTHLY ENGINEERING STATUS REPORT
DATE: 03/13/19

RECOMMENDATION:

It is recommended the Board receive and file the Monthly Engineering Project Status Report for March 2019.

DISCUSSION:

The status of Water Security and Infrastructure Improvements projects for March 2019 is provided below and in the attachment.

Project	Anticipated Committee / Date	Anticipated Board Action / Date
WATER SECURITY PROJECTS		
Comprehensive Water Resources Plan	TBD	TBD
<ul style="list-style-type: none"> • Project Management Plan received 02/13/19 • Draft Stakeholder Plan received 03/05/19 and review call scheduled for 03/11/19 • Progress meeting scheduled for 3/19/19 • Draft Early Action Plan expected by end of March 2019 • Stakeholder meetings will start in April 2019 		
Casitas-Ventura State Water Project Interconnection	TBD	TBD
<ul style="list-style-type: none"> • Kickoff meeting scheduled for 03/21/19 • First deliverable is Tech Memo on Existing Planning Efforts, expected April 2019 		
Ojai Wellfield Rehabilitation/ Replacement	TBD	Agreement for Hydrogeology Services 03/13/19 Adopt NOE and Award Contract for Construction Gorham Well #1 Rehabilitation 03/13/19
<ul style="list-style-type: none"> • Pueblo Water Resources provided a proposal for professional hydrogeologist services for Gorham Well #1 and San Antonio Well #4 Rehabilitation • Bids opened for Gorham Well #1 Rehabilitation on 03/06/19 and construction anticipated to be complete by 04/22/19 • Awaiting proposal from Pueblo for hydrogeology services for Mutual Wellfield Replacement Well 		

Project	Anticipated Committee / Date	Anticipated Board Action / Date
Teague Watershed Groundwater Resource Assessment <ul style="list-style-type: none"> First phase included data compilation and review, hydrogeological characterization, and a technical memo summarizing findings. Tech Memo finalized 03/05/19. 	TBD	Receive and file Report 03/13/19
Matilija Formation Deep Wells <ul style="list-style-type: none"> Kickoff meeting with Padre for preparation of Initial Study/Mitigated Negative Declaration (IS/MND) for the Vertical Test Bore held 02/20/19 Draft project description reviewed and comments returned to Padre Expect to release plans and specs for bidding in June 2019 for Vertical Test Bore USFS has yet to issue an FS299 for data collection related to the Horizontal Bore 	TBD	Adopt IS/MND 06/12/19
Robles Diversion Fish Screen Alternatives Feasibility Study <ul style="list-style-type: none"> Final Tech Memo on initial list of potential alternatives received 02/27/19 Alternatives Feasibility Study completion is expected in April 2019 and recommendations will be included in fiscal year 2019-20 budget 	TBD	TBD
Ventura-Santa Barbara Counties Intertie <ul style="list-style-type: none"> Notice of Interest submitted for Hazard Mitigation Grant Program (through CalOES) on 02/28/19 Water Works Engineers starting preliminary design; kick off meeting scheduled for 03/22/19 Proposal from Rincon for CEQA compliance services to support HMGP application pending. Finance Committee 3/15/19; Board meeting 03/27/19. 	Agreement for Environmental Consulting Services - Finance 03/15/19	Agreement for Environmental Consulting Services 03/27/19
Robles Forebay Cleanout <ul style="list-style-type: none"> Engaged Rincon Consultants to provide environmental support services for Lake and Streambed Alteration Agreement and California Department of Fish and Wildlife coordination Engineering staff preparing plans and specs for bidding 	TBD	Award Contract for Construction 07/10/19
Ojai Desalter <ul style="list-style-type: none"> No change in status. 	-	-
INFRASTRUCTURE IMPROVEMENTS		
Ojai Water System Improvements	Agreement for Engineering Services - Finance 03/15/19	Agreement for Engineering Services 03/27/19 Adopt Initial Study/Mitigated Negative Declaration 04/24/19 Award Contract for Construction - Sunset Place, Ventura Street Pipeline Replacements 05/22/19

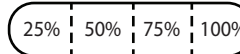
Project	Anticipated Committee / Date	Anticipated Board Action / Date
<ul style="list-style-type: none"> • Draft IS/MND expected to be released for public review/comment in 03/15/19 with 30-day review period • Casitas Standard Specifications competed for inclusion in pipeline projects • Design to begin for Ojai 12-inch Pipeline Replacement in April 2019 (Finance Committee 03/15/19; Board 03/27/19) • Expect to release Sunset Place Pipeline Replacement for bids in April 2019 • Expect to release Ventura Street Pipeline Replacement for bids in April 2019 		
Rincon Pump Plant Electrical Upgrade	Finance Committee 04/19/19	Award Contract for Construction 04/24/19
<ul style="list-style-type: none"> • Expect to release for bid by 03/13/19; bids due 04/11/19 • Will present to Finance Committee only if bids exceed budgeted amount 		
De La Garrigue and Rice Road Bridges	TBD	TBD
<ul style="list-style-type: none"> • Final Basis of Design memo received. • Expect 60% design by 03/20/19 		

Attachment: Monthly Status Report



Engineering Project Status March 2019

★ Indicates Change



Casitas Water System
Ojai Water System
Lake Casitas Recreation Area



NOT YET STARTED

CONSULTANT SELECTION

PLANNING

DESIGN

BIDDING

CONSTRUCTION

Water Security

Ojai Desalter

Well Replacement ★

Robles Vertical Well Test Bore ★

Gorham Well Rehabilitation/Replacement ★

San Antonio #4 Well Rehabilitation ★

Robles Diversion Fish Screen Alternatives Feasibility Study ★

Teague Watershed Test Bores ★

Comprehensive Water Resources Plan ★

Casitas-Ventura SWP Interconnection Preliminary Design ★

Ventura-Santa Barbara Counties Intertie ★

Robles Forebay Cleanout ★

Reservoir Roads

Ojai 12-Inch Pipeline ★

Camp Chaffee Pipeline Replacement ★

Upper Rincon Lateral Replacement

Rincon Pump Plant Electrical Upgrade ★

FY18-19 Asphalt Paving ★

Ayers Creek Pipeline Relocation

Emily and Cañada Street Pipeline ★

Ojai East Reservoir Recoating ★

De La Garrigue Bridge Replacement ★

Maintain Casitas Dam and WTP Roads ★

Awnings for San Antonio & Ojai Valley Pump Plants

Emergency Generators Rincon, Avenue 1, and Avenue 2 Pump Plants

Vegetation Management

Reservoir and Vault Fall Protection Improvements

Rice Road Bridge Replacement ★

Timber Cutoff Wall Repair

Casitas Dam Hollow Jet Valve Replacement

Backwash-Vault Water Alternatives ★

Solimar Beach Corrosion Investigation

Chaparral & Riverside Piping ★

3M Reservoir Access Rd. Drainage ★

Annual Electrical Maintenance Contract

Avenue 1 Pump Plant Surge Analysis ★

Diesel Tank Pad Design ★

Ojai Valley Pump Plant Hydraulic Analysis ★

Avenue 1 Pump Plant Transient Pressure Study ★

Sunset Place Pipeline

Initial Study/Mitigated Negative Declaration ★

West Ojai Pipeline Replacement

Running Ridge Zone Hydraulic Improvements

West and East Ojai Avenue Pipeline

Signal Booster Zone Hydraulic Improvements ★

Valve and Appurtenance Replacement (Ventura St) ★

Arc Flash Study ★

Casitas-Ojai System Interties / Hydraulic Model ★

Mutual Well Field Pipeline

Emergency Exit Road

Grand Avenue Pipeline Optimization

Boat Inspection Facility ★

Road Improvements ★

Infrastructure Improvements



Consumption Report

Water Sales FY 2018-2019 (Acre-Feet)

Classification	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Month to Date		
													2018 / 2019	2017 / 2018	
													Total	Total	
AD Ag-Domestic	442	411	363	355	227	66	36							1,900	2,670
AG Ag	341	290	229	236	165	41	32							1,333	1,884
C Commercial	119	118	103	82	60	36	24							541	615
DI Interdepartmental	40	25	9	5	3	1	2							86	56
F fire	0	0	0	0	0	0	0							0	0
I Industrial	2	1	1	2	1	1	2							10	9
OT Other	26	23	23	18	13	5	4							113	180
R Residential	261	260	244	220	194	113	95							1,387	1,538
RS - P Resale Pumped	113	115	109	99	79	44	299							858	345
RS - G Resale Gravity	341	250	199	283	276	110	79							1,538	1,170
TE Temporary	2	2	2	1	23	0	0							31	12
Total	1,686	1,495	1,282	1,302	1,041	418	572	0	0	0	0	0	0	7,796	8,478
CMWD	1,512	1,320	1,115	1,146	907	341	509								
OJAI	174	175	167	156	134	77	63								
Total 2017 / 2018	1,355	1,185	1,608	1,628	1,026	1,085	592	898	384	815	1,078	1,200		N/A	12,853

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Casitas Municipal Water District

CFD 2013-1 Improvement Fund

	Expenses Paid	Interest Earned	Balance
Bond B - Funds Received Beginning Balance	42,658,223.98		42,658,223.98
Purchase Price of Golden State Water	-34,481,628.00		8,176,595.98
Interest Jun 2017		461.18	8,177,057.16
Main Extension Contract Pmt	-5,188.39		8,171,868.77
Reinbursement from CFD 2013-1 Meter Cost	-999,237.84		7,172,630.93
Interest Jul 2017		5,544.85	7,178,175.78
Main Extension Contract Pmt	-361,183.16		6,816,992.62
Interest Aug 2017		3,677.09	6,820,669.71
Interest Sep 2017		3,647.06	6,824,316.77
Interest Oct 2017		3,437.91	6,827,754.68
Reinbursement from CFD 2013-1 Meter Cost	-1,038,855.67		5,788,899.01
Interest Nov 2017		3,614.48	5,792,513.49
Interest Dec 2017		3,663.59	5,796,177.08
Interest Jan 2018		3,894.34	5,800,071.42
Interest Feb 2018		4,511.30	5,804,582.72
Interest Mar 2018		4,221.55	5,808,804.27
Interest Apr 2018		5,400.71	5,814,204.98
Interest May 2018		6,037.34	5,820,242.32
Interest Jun 2018		6,461.77	5,826,704.09
Interest Jul 2018		6,771.59	5,833,475.68
Interest Aug 2018		7,444.64	5,840,920.32
Interest Sep 2018		7,521.43	5,848,441.75
Interest Oct 2018		7,547.03	5,855,988.78
Interest Nov 2018		8,755.99	5,864,744.77
Interest Dec 2018		8,711.47	5,873,456.24
Interest Jan 2019		9,430.38	5,882,886.62
Less: Pending Projects for Reimbursement			<u>-1,259,118.55</u>
Total funds remaining for improvement:			<u><u>4,623,768.07</u></u>

Casitas Municipal Water District

CFD 2013-1 Bond Fund

	Expenses Paid	Interest Earned	Balance
Bond B - Funds Received Beginning Balance	466,447.67		466,447.67
Interest Jun 2017		5.04	466,452.71
Interest Jul 2017		188.62	466,641.33
Interest Aug 2017		232.86	466,874.19
Interest Sep 2017		344.71	467,218.90
Interest Oct 2017		235.37	467,454.27
Interest Nov 2017		247.46	467,701.73
Applied Interest Earned for Pmt of Bond B	-468,270.91		-569.18
Interest Dec 2017		314.41	-254.77
Interest Jan 2018		254.77	0.00
Interest Feb 2018		479.96	479.96
Interest Mar 2018		671.37	1,151.33
Interest Apr 2018		1.05	1,152.38
Interest May 2018		1.20	1,153.58
Interest Jun 2018		1.28	1,154.86
Applied Interest Earned for Pmt of Bond B	-1,154.86		0.00
Interest Jul 2018		1.34	1.34
Interest Aug 2018		1.48	2.82
Interest Sep 2018		91.04	93.86
Interest Oct 2018		134.86	228.72
Interest Nov 2018		0.34	229.06
Interest Dec 2018		0.34	229.40
Interest Jan 2019		0.37	229.77

Casitas Municipal Water District
CFD 2013 - 1 Projects to be reimbursed to CMWD To Date

Project No: Project Name:	Total Cost To Date
400 Ojai System Masterplan	378,744.07
420 Sunset Place Pipeline Replacement	56,912.38
421 Cuyama, Palomar and El Paseo Roads Pipeline Replacement	200,277.63
422 South San Antonio Street and Crestview Drive Pipeline	44,754.64
423 West and East Ojai Avenue Pipeline Replacement	245,602.88
424 Running Ridge Zone Hydraulic Improvement	19,803.97
425 Well Rehabilitation Replacement	48,440.00
426 Valve & Appurtenance Replacement	45,405.00
427 Fiarview Pipeline Replacement	0.00
428 Mutual Wellfield Pipeline	83,618.11
429 Grand Ave Pipeline	1,308.75
430 Signal Booster Zone Hydraulic Improvements	17,387.98
431 Emily Street Pipeline Replacement	0.00
432 Casitas-Ojai System Interties	89,000.00
522 Ojai Arc Flash Study	<u>119,839.00</u>
Project(s) Cost To Date:	<u><u>1,351,094.41</u></u>

**CASITAS MUNICIPAL WATER DISTRICT
TREASURER'S MONTHLY REPORT OF INVESTMENTS
03/06/19**

Type of Invest	Institution	CUSIP	Date of Maturity	Adjusted Cost	Current Mkt Value	Rate of Interest	Date of Deposit	% of Portfolio	Days to Maturity
*TB	Farmer MAC	31315PYF0	5/2/2028	\$510,998	\$493,810	2.925%	11/20/2017	2.44%	3296
*TB	Federal Farm CR Bank	3133EGZW8	10/25/2024	\$833,918	\$803,220	2.014%	10/25/2016	3.97%	2029
*TB	Federal Farm CR Bank	31331VWN2	4/13/2026	\$880,411	\$831,373	1.901%	5/9/2016	4.11%	2557
*TB	Federal Farm CR Bank	3133EFK71	3/9/2026	\$850,874	\$822,385	2.790%	3/28/2016	4.06%	2523
*TB	Federal Farm CR Bank	3133EFYH4	2/8/2027	\$1,012,209	\$968,510	3.000%	3/24/2016	4.78%	2852
*TB	Federal Farm CR Bank	3133EGWD	9/29/2027	\$694,629	\$654,508	2.354%	11/17/2016	3.23%	3083
*TB	Farmer MAC	3133EEPH7	2/12/2029	\$480,024	\$463,201	2.710%	11/20/2017	2.29%	3576
*TB	Federal Home Loan Bank	3130A3DL	9/8/2023	\$1,557,892	\$1,482,240	1.486%	10/13/2016	7.32%	1622
*TB	Federal Home Loan Bank	313379EE5	6/14/2019	\$1,351,819	\$1,346,706	1.625%	10/3/2012	6.65%	98
*TB	Federal Home Loan Bank	3130A0EN	12/10/2021	\$523,945	\$503,770	1.107%	5/9/2016	2.49%	994
*TB	Federal Home Loan Bank	3130A5R35	6/13/2025	\$755,687	\$720,062	2.875%	2/19/2016	3.56%	2257
*TB	Federal Home Loan Bank	313383YJ4	9/8/2023	\$454,393	\$428,039	1.203%	7/14/2016	2.11%	1622
*TB	Federal Home Loan Bank	3130A5VW6	7/10/2025	\$1,019,908	\$993,270	2.360%	5/10/2017	4.90%	2284
*TB	Federal Home Loan Bank	3130AIXJ2	6/14/2024	\$910,524	\$853,366	2.875%	8/2/2016	4.21%	1898
*TB	Federal Home Loan Bank	3130ADNWX	2/14/2020	\$998,230	\$999,830	3.400%	1/16/2013	4.94%	338
*TB	Federal Home Loan Bank	3133XFKF	6/11/2021	\$611,483	\$596,422	2.375%	9/8/2014	2.95%	815
*TB	Federal Home Loan MTG Corp	3137EADB	1/13/2022	\$671,308	\$660,434	1.721%	5/1/2016	3.26%	1027
*TB	Federal National Assn	31315P2J7	5/1/2024	\$781,181	\$745,286	2.625%	5/25/2016	3.68%	1855
*TB	Federal National Assn	3135G0ZR	9/6/2024	\$1,458,180	\$1,393,842	2.125%	5/25/2016	6.88%	1980
*TB	Federal National Assn	3135G0K3	4/24/2026	\$2,524,334	\$2,386,800	1.375%	7/6/2010	11.79%	2568
*TB	US Treasury Inflation Index NTS	912828MF	1/15/2020	\$1,166,105	\$1,170,970	1.375%	11/18/2015	5.78%	309
*TB	US Treasury Note	912828WE	11/15/2023	\$767,551	\$771,816	2.750%	12/13/2013	3.81%	1689

Accrued Interest

\$160,412

Total in Gov't Sec. (11-00-1055-00&1065)

\$20,815,604

\$20,250,274

99.98%

Total Certificates of Deposit: (11.13506)

\$0

\$0

0.00%

** **LAIF as of: (11-00-1050-00)**

N/A

\$464

\$464

2.79%

Estimated

0.00%

*** **COVI as of: (11-00-1060-00)**

N/A

\$2,914

\$2,914

2.27%

Estimated

0.01%

TOTAL FUNDS INVESTED

\$20,818,982

\$20,253,652

100.00%

Total Funds Invested last report

\$20,825,825

\$20,235,433

Total Funds Invested 1 Yr. Ago

\$21,076,416

\$20,204,776

**** **CASH IN BANK (11-00-1000-00) EST.**

\$3,940,144

\$3,940,144

CASH IN Western Asset Money Market

\$18,404

\$18,404

2.01%

TOTAL CASH & INVESTMENTS

\$24,777,530

\$24,212,200

TOTAL CASH & INVESTMENTS 1 YR AGO

\$24,016,015

\$25,648,536

*CD CD - Certificate of Deposit

*TB TB - Federal Treasury Bonds or Bills

** Local Agency Investment Fund

*** County of Ventura Investment Fund

Estimated interest rate, actual not due at present time.

**** Cash in bank

No investments were made pursuant to subdivision (i) of Section 53601, Section 53601.1 and subdivision (i) Section 53635 of the Government Code.

All investments were made in accordance with the Treasurer's annual statement of investment policy.