

Regular Meeting  
February 18, 2020  
6:00 p.m.



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## NOTICE OF REGULAR MEETING OF BOARD OF DIRECTORS

**February 18, 2020**

**Right to be heard:** Members of the public have a right to address the Board directly on any item of interest to the public that is within the subject matter jurisdiction of the Board, provided that no action shall be taken on any item not appearing on the agenda unless the action is otherwise authorized by subdivision (b) of Section 54954.2.

**Please Note:** If you have comments on a specific agenda item(s), please fill out a comment card and return it to the Board Secretary. The Board President will call on you for your comments at the appropriate time, either before or during the Board's consideration of that item.

***If you require special accommodations for attendance at or participation in this meeting, please notify our office 24 hours in advance at (805) 646-2114 (Govt. Code Section 94594.1 and 94594.2 (a))***

## Agenda

**The meeting will be called to order at 6:00 p.m.**

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**1. Roll Call**

**2. Approval of Minutes January 21, 2020, Regular Meeting**

**3. Public Comments**

The Board will receive comments from the public at this time on any item of interest to the public that is not on the agenda that is within the subject matter jurisdiction of the legislative body, provided that no action shall be taken on any item not appearing on the agenda unless the action is otherwise authorized by subdivision (b) of Section 54954.2. Matters raised by public comment requiring Board action will be referred to staff or placed on a subsequent agenda where appropriate.

When addressing the Board, please state your name and address and limit your comments to three (3) minutes.

**Please Note:** If you have comments on specific agenda items, please fill out a comment card and return it to the Board Secretary. The Board President will call on you for your comments at the appropriate time, either before or during the Board's consideration of that item.

**4. Closed Session: The Board of Directors will hold a closed session to discuss personnel matters or litigation, pursuant to attorney/client privilege, as authorized by Government Code Section 54957, 54956.8, & 54956.9 and 54957.**

- **State Case: SBCK vs. SWRCB, San Francisco Superior Court, Case # CPF-14-513875**
- **Meiners Oaks Water District vs Moll, Ostling and Ojai Vista Farms 56-2018-00515474-CU-OR-VTA/**

## **5. Financial Matters**

- **Approval of Payroll and Payables from December 16, 2019 to January 15, 2020 in the amount of:**

**Payables – \$ 98,887.48**

**Payroll – \$ 39,478.82**

**Total – \$ 138,366.30**

## **6. Board Discussion and/or Action**

- a) Election of Board Officers – The Board will elect President and Vice-Presidents of the Board**

**- Open Public Comment**

**-Close Public Comment**

**Recommended Action: Vote**

- b) Approval of General Pumps proposal to restore well 4 in the amount of \$86,425.15**

**- Open Public Comment -**

**- Close Public Comment -**

**Recommended Action: Approve Proposal**

- c) Discussion – DRAFT Interim Policy on New Meters and Expansion of Services**

**- Open Public Comment -**

**- Close Public Comment -**

**Recommended Action: Provide feedback to Mr. Moore/  
Rate/Budget and Expansion of Service Committee**

**d) Action – Approval of Resolution 20200218 MOWD Allocation Program**

- Open Public Comment
- Close Public Comment

**Recommended Action: Approve Resolution 20200218**

**e) Discussion and Approval – Draft notice to MOWD customer’s**

- Open Public Comment -
- Close Public Comment -

**Recommended Action: Direct staff to publish document**

**f) Discussion – Structure of Over-allocation Fee while on our wells vs. Casitas**

- Open Public Comment
- Close Public Comment

**Recommended Action: Provide Feedback to Budget/Rate Committee**

**g) Discussion – Preliminary Treatment Plant Design Report 35% Conceptual Level**

- Open Public Comment
- Close Public Comment

**Recommended Action: Next Steps/Funding Etc...**

**7. General Manager’s Report**

- District O& M Report

## **8. Board Committee Reports**

- **GSA Report**
- **Executive Committee Report – Kentosh/Krumpschmidt 316 N La Luna**
- **Budget/Rate Committee Report -**
- **Allocation Program committee report**
- **New meters and expansion committee**
- **Emergency Preparedness Committee**

## **9. Old Business**

- **State Water**
- **Ojai, Ventura Water Partnership –**
- **Matilija Dam Removal Update – G.M.**
- **Cold Water Formation**
- **Grant Projects: Nitrate removal and Blending  
Cold Water Formation**

## **10. Board of Directors Reports/Comments**

**11. Closed Sessions: The Board of Directors will hold a closed session to discuss personnel matters or litigation, pursuant to the attorney/client privilege, as authorized by Government Code Section 54957 & 54956.8, 54956.9 and 54957.**

- **Conference with Legal Counsel – Personnel 54957 (b)(4)**

## **12. Meeting Adjournment.**

Regular Meeting  
January 21, 2020  
6:00 p.m.

Meiners Oaks Water District  
  
202 West El Roblar Drive  
Ojai, CA 93023-2211  
Phone 646-2114

## MINUTES

The meeting was called to order at 6:00 p.m.

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### 1. Roll Call

The meeting was called to order by the Board President Mike Etchart at 6:05 pm at the District Office.

Present were: Board President, Mike Etchart; Board Directors, James Kentosh, Mike Krumpschmidt, Larry Harrold, and Diana Engle. Staff Present: General Manager, Mike Hollebrands, and Attorney's, Lindsay Nielson, and Greg Jones.

Board Secretary, Summer Ward, was absent.

**\*\* Change in Agenda Order for item 6a\*\***

### 6. Board Discussion/Actions

- a) Presentation from Ted Moore Re: 40 unit affordable housing/ or workforce housing project on E. El Roblar Drive.

Mr. Moore stated that he is presenting an unchanged proposal for his water neutral project to build a 40 unit affordable housing complex on E. El Roblar. He has been actively engaged with Krotone and Oak Grove Schools regarding water conservation initiatives and the usage of their groundwater well. Mr. Moore is requesting a will-serve letter as a "guarantee" of water supply, in addition to potentially drilling a well on the property. The layout of the housing units will be very similar to the neighboring Roth Apartments. The project will require the purchase of 4.68 ac/ft from Casitas; Mr. Kentosh requested how he proposed to address this requirement. Mr. Moore stated that he would meet with Casitas to get approval for the purchase of the 4.68 ac/ft. Mr. Moore clarified that he calculated the ac/ft himself based on estimated usage. Additionally, Mr. Moore explained that he would need to meet the County's conditional use requirements, for example, a traffic impact study. Ms. Engle noted that the estimated ac/ft is less than half of what our proposed Allocation Program would allocate per dwelling unit, and to keep our allocation pie whole, any conservation efforts implemented within the district should be reflected in a reduced allocation for those customers. Mr.

Moore stated that he will be collecting more information and will reach out to Mr. Hollebrands to schedule a future update to the Board regarding progress on the water neutral project.

**\*\* Resume Regular Agenda\*\***

**2. Approval of the minutes**

Approval of December 17, 2019, Regular Meeting minutes:

The board requested minor revisions to the minutes including, spelling error on pages 1, 2, and move statements regarding the donation of laptops on page 5 from Kentosh to Krumpschmidt.

Mr. Kentosh made the motion to approve the December 17, 2019, Regular Meeting minutes. Mr. Krumpschmidt seconded the motion.

No public comments.

Kentosh/Krumpschmidt

All Ayes

M/S/C

**3. Public Comments**

No public Comments

The Board went into closed session at 6:45 p.m.

**4. Closed Session:** The Board of Directors held a closed session to discuss personnel matters or litigation, pursuant to the attorney/client privilege, as authorized by Government Code Sections 54957 & 54956.8, 54956.9 and 54957.

- Conference with Legal Counsel – Existing Litigation (Paragraph (1) of subdivision (d) of Section 54956.9)
  - Meiners Oaks Water District vs. Moll, Ostling and Ojai Vista Farms 56-2018-00515474-CU-OR-VTA/

The board adjourned closed session at 8:35 pm.

Attorney Nielson stated that in closed session, updates were given regarding ongoing litigations. Related to the ChannelKeeper case, it was decided that Ms. Engle would serve as the Primary Representative for the Technical meeting, Mr. Kentosh as the alternate.

**5. Financial Matters**

- Approval of Payroll and Payables from December 15 to January 15, 2020 in the amount of:

Payables -	\$ 180,846.39
Payroll -	\$ 36,656.56
Total -	\$ 217,502.95

Mr. Krumpschmidt made the motion to approve the Payroll and Payables from December 16 to January 15, 2020. Mr. Kentosh seconded the motion.

Public Comment – No Public Comments.

There was Board discussion regarding payables for the Quinn Rentals for \$115,967.53, the large generator staged at the MOWD yard, SWRCB annual fees for \$7,547.10, and WREA's work on the pipeline relocation project at Meiners Rd and Highway 33 for \$1,433.25. Mr. Hollebrands to clarify with Ms. Malone the payable descriptions to assist with the Board review process.

Krumpschmidt/Kentosh  
All Ayes  
M/S/C

## **6. Board Discussion/Actions**

### **b) Review of Draft Proposed Allocation Program**

Ms. Engle presented the revised draft Allocation Program, based on discussions during the Drought Committee and prior Board meetings. The goal is to now make the document available for public review, with adoption at the February 18, 2020, Regular Board meeting. Director Krumpschmidt stated how impressed he was with the whole body of work, the Board agreed. Director Krumpschmidt requested clarification regarding the number of additional dwellings that will be allowed. Ms. Engle replied that this would fall under zoning requirements; Mr. Kentosh further added that this would be addressed in the New Meter & Expansion of Services Policy. The Board discussed adding a verification step for any customers that submit an allocation waiver request for additional dwellings. Mr. Krumpschmidt also requested clarification on our process for limiting those customers who may continue to use over their allocation and pay the penalties without changed usage. Mr. Kentosh stated that this would be best addressed in the Rate Policy, i.e., flow restrictors. Mr. Krumpschmidt asked that the nomenclature used in the document regarding the assignment of responsibility be revised to reflect the GM or Designated Staff. The Board was in full agreement. The Board thanked Ms. Engle, Mr. Hollebrands and Ms. Ward for all of their hard work on this program; Ms.



Engle thanked Mr. Kentosh for the great jumpstart and Mr. Hollebrands and Ms. Ward for all the detailed data work.

**c) Discussion and Approval – Draft Notice to MOWD Customers**

Mr. Kentosh presented the draft notice to MOWD customers regarding the draft Allocation Program, which will be posted on the District website for public review. The Board had no requested changes to the document. The Board directed the GM to remove the “Draft” watermark and include it in the January 31, 2020 bills.

**d) Approval (Retroactive) – Quote from General Pump to remove well 4, video log, and Inspect.**

Mr. Hollebrands reported that General Pump was on-site to conduct the evaluation of Well 4 for draw-down and vibration issues. Mr. Hollebrands contacted President Etchart for authorization to bring General Pump onsite to get started. The full report, along with recommendations and a proposal will be presented at the February Regular meeting. Mr. Hollebrands explained that the well would remain disassembled until the work is completed. The plan for addressing the vibration will be to install a sole plate, a 1” thick steel plate that will be welded to the casing, and the motor will sit on top of the plate; the building will then be isolated to prevent vibrations.

Mr. Kentosh made the motion to approve the \$8,373.00 for General Pumps Well 4 Pump Removal and Video Log Inspection. Mr. Krumpschmidt seconded the motion.

Ms. Engle asked for clarification on the language “removed well,” did we pull the whole casing and everything? Mr. Hollebrands explained that the inspection does not require removal of all the well components, rather just the wellhead, pump. Mr. Krumpschmidt stated that he and Mr. Kentosh were present when General Pump was onsite, removing the wellhead and learned a lot about the process. Ms. Engle requested clarification on the language used in the General Pump invoice regarding the data gaps. Mr. Hollebrands explained it was in regards to specific nomenclature that Ray Reese was looking for; it is available through Mr. Kear.

**7. General Manager’s Report**

- **District Operations & Maintenance Report**

Mr. Hollebrands provided a summary of operations and maintenance activities. Well #4 assembly was pulled, the inspection video and report of recommendations will be presented at the February Regular meeting. Mr. Hollebrands hired a new field guy to replace Tony; he comes knowledgeable, and with two years of experience from Casitas, he is a hard-worker and a quick learner. There was a leak last week on Lomita

and Mr. Hollebrands was able to walk Levi through the steps over the phone, expediting repairs. Mr. Krumpschmidt expressed concern regarding the new Well 4 site; it is further away and at a lower elevation, should we install a berm around it to prevent flooding, similar to how VRWD placed large granite boulders around their Well sites. Mr. Hollebrands feels it is a good idea and he will look into the various regulations related to bringing in materials.

Ms. Engle asked for clarification on the static levels, report states levels are improving at all sites, but Wells 1 & 2 data doesn't appear to be increasing. Mr. Hollebrands stated that conditions continue to improve, despite some residual issues. Additionally, the graphic for Water Sold shows 2015 as only 312 acre/feet. Mr. Hollebrands stated he could provide a data overlay with the purchased and pumped amounts to show total demand.

Mr. Hollebrands also reported follow-up to the Board's question regarding the Southern California Edison bill amounts. Ms. Ward analyzed the previous 12 months and determined that the average monthly bill is \$5,300, with Wells 4 & 7 averaging \$3,000 and Wells 1 & 2 at \$1,400. The reason for the extremely high December 2019 bill was that Edison was back billing for Wells 4 & 7 for September, October, November and December 2019.

Mr. Hollebrands reported that the new generator weighs about 11,900 lbs and the District 1-ton service truck (2005 gas-powered automatic) can haul 12,500 lbs. Mr. Hollebrands states that it will haul it and would prefer to have a contractor such as Mr. Harrold to haul the generator too and from the location. Mr. Hollebrands would like the Board to be aware that the District may need to budget for a new truck in the next couple of years.

## **8. Board Committee Reports**

- Upper Ventura River GSA – No meeting.
- Executive Committee – The Committee met regarding the customer at 316 N. La Luna, request for remedy related to damaged pool equipment after a mainline leak in front of their property. The parties agreed to hire 2 independent licensed pool services to inspect and report out findings. The MOWD hired pool service was denied inspection of the pool heater by Mr. Chandler. The assessment of the property shows poor drainage and layout; the pool with lip did not get flooded with the silt; however, the motor is only 2" off the ground. The board expressed some concern regarding inconsistencies and look to find a solution that works for both parties. Mr. Hollebrands to report back next month.
- Budget/Rate Committee – Schedule for 2/10/2020 @9:00 am
- Allocation Program Committee – Reported under item 6(b).
- New Meters and Expansion Committee- Schedule for 2/10/2020 @9:00 am
- Emergency Management Committee – No report.

## **9. Old Business**

- State Water – No update.
- Ojai, Ventura Water Partnership – Next meeting in March.
- Matilija Dam Removal Update – No update.
- Grant Projects: Nitrate Removal & Blending and Cold Water Formation – Scheduling meeting with Regina Hirsch for 1/24/2020.

## **10. Board of Directors' Reports/Comments**

Ms. Engle – The council is presenting with the Watershed Protection District regarding the Matilija Dam Removal Project update scheduled for 2/11/2020 at 6:00 pm at the Oak View Park & Resource Center.

Mr. Harrold – No report.

Mr. Krumpschmidt – Larry, can you check to see if that backhoe is still available? Larry will check on the status and if available, get the owner in touch with Mr. Hollebrands. Mr. Krumpschmidt announced that he will not be running for re-election, he would like to be more retired and would need to step away from the Board after this term.

Mr. Kentosh – No report.

Mr. Etchart – Matilija Dam Removal project is going to require replacement of the Camino Cielo bridge, and they are looking into three potential options.

The Board went into closed session at 10:00 p.m.

**11. Closed Session:** The Board of Directors held a closed session to discuss personnel matters or litigation, pursuant to the attorney/client privilege, as authorized by Government Code Sections 54957 & 54956.8, 54956.9 and 54957.

- Conference with Legal Counsel – Personnel 54957 (b)(4) G.M. Review

The board adjourned closed session at 10:57 pm.

Attorney Nielson stated that in closed session, the board discussed the GM performance evaluation process. No actions were taken, and no decisions were made during this closed session.

## **12. Meeting Adjournment**

There being no further business to conduct at this time, Board President Mike Etchart adjourned the meeting at 11:00 pm.

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**President**

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**Secretary**

Fiscal Year AT-A-Glance  
2019-20

		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	To Date	Budgeted	% of Budgeted
CIP		\$6,066.00	\$1,270.50	\$1,237.00	\$34,822.46	\$19,331.67	\$120,186.53	\$133,732.50						\$316,646.66	\$637,000.00	49.71%
Expenditures	Budgeted	\$155,577.97	\$87,041.90	\$104,933.37	\$97,743.35	\$78,399.85	\$110,793.36	\$115,323.30						\$749,813.10	\$1,512,100.00	49.59%
	Unbudgeted	\$13,424.44	\$3,850.00	\$0.00	\$3,512.52	\$8,158.85	\$0.00	\$0.00						\$28,945.81	\$100,000.00	28.95%
Income		\$127,483.94	\$138,756.85	\$141,252.77	\$155,567.92	\$152,114.54	\$241,325.30	\$115,135.80						\$1,071,637.12	\$1,542,741.20	69.46%

	2019-20	Budgeted	Capital Improvement Schedule		
		Capital Rpl.	Capital Impr.	Spent To Date	% CMPLT
Automation of Fairview Connection Design		\$0.00	\$20,000.00	\$0.00	0.00%
Well 8 Nitrate Removal		\$0.00	\$25,000.00	\$0.00	0.00%
4 Valve Replacement/Deadends		\$0.00	\$50,000.00	\$0.00	0.00%
Relocate 6 inch main for zone 2		\$0.00	\$0.00	\$6,500.00	6.50%
EI Sol to Lomita Tie-in		\$50,000.00	\$0.00	\$0.00	0.00%
R1 and R2 well conditions report		\$0.00	\$0.00	\$0.00	0.00%
Final design and Permitting	T.P PH-2	\$150,000.00	\$25,000.00	\$13,718.50	9.15%
Generator/Panels Emergency			\$155,000.00	\$151,744.40	97.90%
Total		\$315,000.00	\$145,000.00	\$0.00	

### Report of Income as of 1/31/2020

Income	Month of January	Year To Date	Budget Approp	Approp Bal 07/31/19
Interest	5,361.23	25,445.18	--	25,445.18
Taxes	1,989.48	95,661.76	--	95,661.76
Pumping Charges	228.68	2,091.87	--	2,091.87
Fire Protection	91.16	1,303.83	--	1,303.83
Meter & Inst. Fees	--	--	--	--
Water Sales	40,319.54	434,185.43	692,256.00	258,070.57
<sup>1</sup> Casitas Water/Standby	851.06	5,291.25	--	5,291.25
MWAC Charges	55,380.04	387,106.04	770,484.00	383,377.96
MCC Chg.	6,243.45	45,101.96	80,000.00	34,898.04
<sup>2</sup> Misc. Income	149.78	21,064.57	--	21,064.57
Late & Delinquent Chgs.	2,630.24	20,836.57	--	20,836.57
Conservation Penalty	--	--	--	--
Capital Improvement	--	--	--	--
Drought Surcharge	1,891.14	33,548.66	--	33,548.66
	--	--	--	--
		--	--	--
		--	--	--
<b>TOTAL INCOME</b>	<b>115,135.80</b>	<b>1,071,637.12</b>	<b>1,542,740.00</b>	<b>471,102.88</b>

Note:

<sup>1</sup> This line item is necessary because these sales are tracked in the expenditures

<sup>2</sup> This line item could includes things such as:

Recycled meters and scrap metal

Employee payments for insurance payouts

Meiners Oaks Water District

**Report of Expenses and Budget Appropriations, Current Bills and Appropriations To Date**

<b>Expenditures</b>	<b>Month of January</b>	<b>Year To Date</b>	<b>Budget Approp</b>	<b>Approp Bal 01/31/20</b>	<b>Current February</b>	<b>Approp Bal To Date</b>
Salary / Taxes	39,153.23	264,902.76	500,000.00	235,097.24	-	235,097.24
Payroll Taxes	4,929.17	22,150.93	45,000.00	22,849.07	-	22,849.07
Retirement Contributions	4,333.08	30,318.93	42,000.00	11,681.07	-	11,681.07
Group Insurance	9,923.90	52,047.00	78,000.00	25,953.00	-	25,953.00
Company Uniforms	144.03	1,619.14	2,000.00	380.86	-	380.86
Phone Office	744.16	5,899.71	9,000.00	3,100.29	-	3,100.29
Janitorial Service	446.09	3,642.98	4,500.00	857.02	101.36	755.66
Refuse Disposal	283.84	1,883.38	3,100.00	1,216.62	-	1,216.62
Liability Insurance	-	27,225.13	27,000.00	(225.13)	-	(225.13)
Workers Compensation	-	13,984.93	18,000.00	4,015.07	-	4,015.07
Wells	67.57	3,511.04	10,000.00	6,488.96	-	6,488.96
Truck Maintenance	220.99	1,129.37	3,000.00	1,870.63	20.00	1,850.63
Office Equip. Maintenance	-	1,245.36	6,000.00	4,754.64	652.44	4,102.20
Cell Phones	316.25	2,239.50	4,000.00	1,760.50	-	1,760.50
System Maintenance	3,352.07	29,936.30	75,000.00	45,063.70	-	45,063.70
Safety Equipment	-	1,797.39	3,000.00	1,202.61	-	1,202.61
Laboratory Services	354.00	4,131.00	12,000.00	7,869.00	144.00	7,725.00
Membership and Dues	4,765.00	6,970.00	8,000.00	1,030.00	750.00	280.00
Printing and Binding	-	3,009.01	500.00	(2,509.01)	-	(2,509.01)
Office Supplies	1,235.07	5,811.43	5,000.00	(811.43)	-	(811.43)
Postage and Express	784.73	5,080.35	13,000.00	7,919.65	134.06	7,785.59
B.O.D. Fees	1,000.00	8,700.00	15,000.00	6,300.00	-	6,300.00
Engineering & Technical Services	2,663.97	23,940.57	50,000.00	26,059.43	-	26,059.43
Computer Services	527.65	7,076.89	15,000.00	7,923.11	666.69	7,256.42
Other Prof. & Regulatory Fees	3,292.79	27,422.86	45,000.00	17,577.14	100.50	17,476.64
Public and Legal Notices	-	-	2,000.00	2,000.00	-	2,000.00
Attorney Fees	20,633.65	47,004.75	90,000.00	42,995.25	-	42,995.25
GSA Fees	-	51,107.41	50,000.00	(1,107.41)	-	(1,107.41)
VR/SBC/City of VTA Law Suit	260.00	9,397.46	100,000.00	90,602.54	-	90,602.54
State Water	-	-	35,000.00	35,000.00	-	35,000.00
Audit Fees	7,500.00	7,500.00	22,000.00	14,500.00	6,200.00	8,300.00
Small Tools	213.83	1,763.12	2,500.00	736.88	201.60	535.28
Election Supplies	-	-	-	-	-	-
Water Purchase	-	-	75,000.00	75,000.00	-	75,000.00
CMWD Standby Charges	1,500.48	10,326.42	17,000.00	6,673.58	-	6,673.58
Treatment Plant	1,299.76	3,596.11	20,000.00	16,403.89	-	16,403.89
Fuel	830.06	7,314.15	10,000.00	2,685.85	-	2,685.85
Travel Exp./Seminars	50.00	585.51	2,000.00	1,414.49	-	1,414.49
Utilities	178.39	1,430.85	3,500.00	2,069.15	98.00	1,971.15
Power and Pumping	3,295.45	45,436.76	80,000.00	34,563.24	1,816.00	32,747.24
Meters	1,024.09	1,024.09	10,000.00	8,975.91	-	8,975.91
<b>Total Expenditures</b>	<b>115,323.30</b>	<b>742,162.59</b>	<b>1,512,100.00</b>	<b>769,937.41</b>	<b>10,884.65</b>	<b>759,052.76</b>
<b>Water Distribution System</b>	-	-	-	-	-	-
Automating Fairview Conn. Design	-	-	20,000.00	20,000.00	-	20,000.00
Well 8 Nitrate Removal/Blending	-	-	25,000.00	25,000.00	-	25,000.00
4 Valve Replacements/Deadends	-	-	50,000.00	50,000.00	-	50,000.00
Relocate 6" Main for Z-2	-	6,500.00	100,000.00	93,500.00	-	93,500.00
El Sol to Lomita Tie-In	-	-	50,000.00	50,000.00	-	50,000.00
R1 & 2 Well Conditions Report	-	-	25,000.00	25,000.00	-	25,000.00
<b>Structures and Improvements</b>	-	-	-	-	-	-
Generator/Panel Upgrades	17,228.20	151,744.40	155,000.00	3,255.60	-	3,255.60
T.P. Final Eng/Permitting/PH-2	1,181.00	13,718.50	150,000.00	136,281.50	-	136,281.50
Well 4 Development Work	-	-	25,000.00	25,000.00	-	25,000.00
<b>Furniture and Fixtures</b>	-	-	-	-	-	-
General Managers Desk	-	-	2,000.00	2,000.00	-	2,000.00
<b>Field Equipment</b>	-	-	-	-	-	-
T.P. Computer/Programming	-	-	15,000.00	15,000.00	-	15,000.00
<b>Appropriations for Contingencies</b>	-	28,945.81	100,000.00	71,054.19	-	71,054.19
<b>Total CIP Spending</b>	<b>18,409.20</b>	<b>200,908.71</b>	<b>717,000.00</b>	<b>516,091.29</b>	<b>-</b>	<b>516,091.29</b>
<b>GRAND TOTAL</b>	<b>133,732.50</b>	<b>943,071.30</b>	<b>2,229,100.00</b>	<b>1,286,028.70</b>	<b>10,884.65</b>	<b>1,275,144.05</b>



# Meiners Oaks County Water District, CA

## Check Report

By Vendor Name

Date Range: 01/16/2020 - 02/15/2020

Vendor Number Payable #	Vendor Name Payable Type	Post Date	Payment Date Payable Description	Payment Type	Discount Amount Discount Amount	Payment Amount Payable Amount	Number
<b>Bank Code: AP Bank-AP Bank</b>							
AQUA-F <a href="#">S1485600</a>	Aqua-Flo Supply Invoice	01/27/2020	02/12/2020 Hand Pump	Regular	0.00 0.00	33.70 33.70	9035
AWAVC <a href="#">06-12336</a>	Association of Water Agencies Invoice	01/16/2020	01/29/2020 Breakfast Meeting	Regular	0.00 0.00	50.00 50.00	9019
AWAVC <a href="#">06-12362</a>	Association of Water Agencies Invoice	02/01/2020	02/12/2020 2020 AWA Annual Membership Dues	Regular	0.00 0.00	750.00 750.00	9036
AT&T <a href="#">01840120</a> <a href="#">0833012020</a>	AT&T Invoice Invoice	01/13/2020 01/19/2020	01/29/2020 Office Phones Office Phones	Regular	0.00 0.00 0.00	744.16 185.92 558.24	9020
AUTOSU <a href="#">481391</a> <a href="#">482650</a>	Automotive Supply - Ojai Invoice Invoice	01/03/2020 01/18/2020	02/12/2020 Fit Blade Socket Rack,Seat Cover	Regular	0.00 0.00 0.00	59.53 14.99 44.54	9037
DRAGANCHUK <a href="#">209964</a>	Boyd & Associates Invoice	02/01/2020	02/12/2020 Security Alarm	Regular	0.00 0.00	95.85 95.85	9038
CALPERS <a href="#">INV0001349</a>	California Public Employees' Retirement Invoice	01/15/2020	01/31/2020 Health	Bank Draft	0.00 0.00	5,186.30 5,186.30	DFT0000865
CALPERS <a href="#">012820</a>	California Public Employees' Retirement Invoice	01/14/2020	01/28/2020 Health	Bank Draft	0.00 0.00	1,141.71 1,141.71	DFT0000874
CALPERS <a href="#">INV0001361</a>	California Public Employees' Retirement Invoice	01/31/2020	01/31/2020 Health	Bank Draft	0.00 0.00	4,458.33 4,458.33	DFT0000877
CSBA <a href="#">INV-50106-V7R5P</a>	California School Board Association - DSC Invoice	01/24/2020	02/12/2020 GASB Report	Regular	0.00 0.00	1,500.00 1,500.00	9039
CSDA <a href="#">010120</a>	California Special Districts Association Invoice	01/01/2020	01/29/2020 2020 Membership	Regular	0.00 0.00	4,765.00 4,765.00	9021
CAL-STATE <a href="#">147563</a> <a href="#">147927</a>	Cal-State Invoice Invoice	01/27/2020 02/01/2020	02/12/2020 Portable Toilets Portable Toilet	Regular	0.00 0.00 0.00	206.09 104.73 101.36	9040
CMWD <a href="#">261150120</a> <a href="#">262000120</a> <a href="#">300650120</a>	Casitas Municipal Water District Invoice Invoice Invoice	01/31/2020 01/31/2020 01/31/2020	02/12/2020 Fairview Standby Hartmann Allocation Tico & La Luna Standby	Regular	0.00 0.00 0.00 0.00	1,500.48 665.71 169.06 665.71	9041
CLEANCO <a href="#">1165</a>	Cleancoast Janitorial Invoice	01/27/2020	01/29/2020 January Janitorial	Regular	0.00 0.00	240.00 240.00	9022
CVTDEP <a href="#">292833</a>	County of Ventura Transport. Dept. Invoice	01/17/2020	02/12/2020 403 W Lomita	Regular	0.00 0.00	960.00 960.00	9042
VCRMA <a href="#">IN0198414</a>	County of Ventura, RMA Invoice	01/27/2020	02/12/2020 Cross Connection Contract	Regular	0.00 0.00	263.44 263.44	9043
DATAP <a href="#">3P47201</a> <a href="#">DP2000273</a>	Dataprose LLC Invoice Invoice	02/03/2020 01/31/2020	02/12/2020 Flyer Insert for Billing Bulk Mailing/Postage	Regular	0.00 0.00 0.00	918.79 134.06 784.73	9044



## Check Report

Date Range: 01/16/2020 - 02/15/2020

Vendor Number Payable #	Vendor Name Payable Type	Post Date	Payment Date Payable Description	Payment Type	Discount Amount Discount Amount	Payment Amount Payable Amount	Number
DIENER <a href="#">30008</a>	DIENER'S ELECTRIC, Inc. Invoice	01/21/2020	02/12/2020 Generator Electrical Hookup	Regular	0.00 0.00	17,228.20 17,228.20	9045
DOCUPRO <a href="#">199236</a>	DocuProducts Corporation Invoice	02/03/2020	02/12/2020 Copier Maintenance	Regular	0.00 0.00	556.59 556.59	9046
EJHAR <a href="#">281300120</a> <a href="#">994260120</a>	E. J. Harrison Rolloffs, Inc. Invoice Invoice	01/15/2020 01/15/2020	01/29/2020 Office Trash 3 Yard Dumpster	Regular	0.00 0.00 0.00	283.84 64.15 219.69	9023
FAMCON <a href="#">S100020032.001</a>	Famcon Pipe and Supply, Inc Invoice	01/08/2020	02/12/2020 Flanges,Gaskets,Bolt & Nut Plated	Regular	0.00 0.00	67.57 67.57	9047
CFANN <a href="#">011420</a>	Fanning & Karrh Invoice	01/14/2020	01/29/2020 Audit Fees	Regular	0.00 0.00	7,500.00 7,500.00	9024
CFANN <a href="#">021120</a>	Fanning & Karrh Invoice	02/06/2020	02/12/2020 Audit	Regular	0.00 0.00	6,200.00 6,200.00	9048
FGLENV <a href="#">000219A</a>	FGL Environmental Invoice	01/14/2020	01/29/2020 Samples	Regular	0.00 0.00	85.00 85.00	9025
FGLENV <a href="#">000608A</a> <a href="#">000609A</a> <a href="#">000611A</a> <a href="#">000963A</a> <a href="#">001281A</a>	FGL Environmental Invoice Invoice Invoice Invoice Invoice	02/03/2020 01/24/2020 01/24/2020 01/27/2020 02/05/2020	02/12/2020 Samples Samples Samples Samples Samples	Regular	0.00 0.00 0.00 0.00 0.00	413.00 59.00 85.00 99.00 85.00 85.00	9049
FRED'S <a href="#">122871</a>	Fred's Tire Man Invoice	02/11/2020	02/12/2020 Flat Repair	Regular	0.00 0.00	20.00 20.00	9050
GUARDIAN <a href="#">INV0001350</a> <a href="#">INV0001362</a>	Guardian Invoice Invoice	01/15/2020 01/31/2020	01/29/2020 Dental Dental	Regular	0.00 0.00 0.00	732.69 406.47 326.22	9017
GUARDIAN <a href="#">7690460120</a>	Guardian Invoice	01/16/2020	01/29/2020 Admin. Fee	Regular	0.00 0.00	18.73 18.73	9026
HACHCO <a href="#">11786619</a>	Hach Company Invoice	01/08/2020	01/29/2020 Lamp Assembly,Stabcal. Std.,DPD Refill	Regular	0.00 0.00	649.88 649.88	9027
HPWP&C <a href="#">107744</a>	Hathaway, Perrett, Webster, Powers Invoice	01/31/2020	02/12/2020 Attorney Fees	Regular	0.00 0.00	19,193.65 19,193.65	9051
HLTHNE <a href="#">61790120</a>	Health Net Life Insurance Company Invoice	01/08/2020	01/29/2020 Life Insurance	Regular	0.00 0.00	35.40 35.40	9028
HCS <a href="#">95177</a>	Herum/Crabtree/Suntag Invoice	12/31/2019	01/29/2020 SBCK vs VTA	Regular	0.00 0.00	2,275.57 2,275.57	9029
INTERSTATE <a href="#">55545402</a>	Interstate Batteries Invoice	01/21/2020	01/29/2020 Battery	Regular	0.00 0.00	121.07 121.07	9030
NEILSON <a href="#">34880120</a> <a href="#">36600120</a>	Law Offices of Lindsay F. Nielson Invoice Invoice	01/13/2020 01/13/2020	01/29/2020 Attorney Fees Attorney Fees	Regular	0.00 0.00 0.00	1,700.00 1,440.00 260.00	9031
LIGHTNING <a href="#">01102002A</a>	Lightning Ridge Screen Printing, Inc. Invoice	01/10/2020	02/12/2020 Tees and Hoodies	Regular	0.00 0.00	144.03 144.03	9052

## Check Report

Date Range: 01/16/2020 - 02/15/2020

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Post Date	Payable Description	Discount Amount	Payable Amount	
MOHARD	Meiners Oaks Hardware	02/12/2020	Regular	0.00	322.34	9053
<a href="#">908373</a>	Invoice	01/01/2020	Gloves	0.00	4.06	
<a href="#">908660</a>	Invoice	01/01/2020	Ball Valve, Street Ell	0.00	10.81	
<a href="#">908680</a>	Invoice	01/01/2020	Ball Valves	0.00	21.84	
<a href="#">908783</a>	Invoice	01/01/2020	Bolts & Screws	0.00	4.27	
<a href="#">908822</a>	Invoice	01/01/2020	Threadlocker,Screwdriver,Bolts & Screws	0.00	25.00	
<a href="#">909030</a>	Invoice	01/02/2020	Batteries	0.00	16.58	
<a href="#">909192</a>	Invoice	01/03/2020	Ant & Roach Killer	0.00	4.87	
<a href="#">909689</a>	Invoice	01/08/2020	Screwdriver, Auto Cloth	0.00	26.81	
<a href="#">909732</a>	Invoice	01/08/2020	Mini-Grinder,Brush Wheel	0.00	32.19	
<a href="#">909892</a>	Invoice	01/09/2020	Clip,Gorilla Grip,Bug Wash,etc.	0.00	58.94	
<a href="#">909945</a>	Invoice	01/09/2020	Duct Tape,Trash Bags	0.00	21.43	
<a href="#">910111</a>	Invoice	01/10/2020	Leather Gloves, Latex Gloves	0.00	17.84	
<a href="#">910554</a>	Invoice	01/14/2020	Snips	0.00	22.44	
<a href="#">910772</a>	Invoice	01/15/2020	Dry Concrete Mix	0.00	29.54	
<a href="#">911251</a>	Invoice	01/20/2020	Cable Booster	0.00	21.44	
<a href="#">911597</a>	Invoice	01/22/2020	Personal Purchase to be refunded by GM	0.00	4.28	
MITEC	MiTec Solutions LLC	01/29/2020	Regular	0.00	208.75	9032
<a href="#">1054600</a>	Invoice	01/14/2020	Restored Deleted Files	0.00	18.75	
<a href="#">1054692</a>	Invoice	01/22/2020	Monthly Maintenance	0.00	180.00	
<a href="#">59035</a>	Invoice	01/15/2020	Splashtop User Account	0.00	10.00	
MITEC	MiTec Solutions LLC	02/12/2020	Regular	0.00	666.69	9055
<a href="#">1054875</a>	Invoice	02/05/2020	Monthly Maintenance	0.00	410.80	
<a href="#">59379</a>	Invoice	02/01/2020	Exchange/Web Hosting	0.00	206.89	
<a href="#">59441</a>	Invoice	02/01/2020	Off Site Back-Up	0.00	49.00	
OFFDEP	Office Depot	01/29/2020	Regular	0.00	940.61	9033
<a href="#">26775008</a>	Invoice	01/23/2020	Supplies	0.00	125.11	
<a href="#">425159087001</a>	Invoice	01/07/2020	Desk Calendar	0.00	21.87	
<a href="#">425161111001</a>	Invoice	01/06/2020	Chairs	0.00	793.63	
OFFDEP	Office Depot	02/12/2020	Regular	0.00	38.49	9056
<a href="#">432973772001</a>	Invoice	01/23/2020	Dividers,Binders,Sanitizers,etc.	0.00	38.49	
OILELE	Oilfield Electric Company, Inc.	02/12/2020	Regular	0.00	490.32	9057
<a href="#">2029515</a>	Invoice	01/15/2020	Electrical Work	0.00	490.32	
OJAIPOL	Ojai Pool Store	02/12/2020	Regular	0.00	175.00	9058
<a href="#">1290922761</a>	Invoice	01/20/2020	Inspected Damaged Pool Equipment 316	0.00	175.00	
PATHIAN	Pathian Administrators	01/29/2020	Regular	0.00	102.38	9018
<a href="#">INV0001352</a>	Invoice	01/15/2020	HSBS	0.00	51.20	
<a href="#">INV0001364</a>	Invoice	01/31/2020	HSBS	0.00	51.18	
PERS	Public Employees' Retirement System	01/31/2020	Bank Draft	0.00	475.00	DFT0000864
<a href="#">INV0001348</a>	Invoice	01/15/2020	457 Withholdings	0.00	475.00	
PERS	Public Employees' Retirement System	01/31/2020	Bank Draft	0.00	2,339.23	DFT0000866
<a href="#">INV0001351</a>	Invoice	01/15/2020	PERS	0.00	2,339.23	
PERS	Public Employees' Retirement System	01/31/2020	Bank Draft	0.00	475.00	DFT0000876
<a href="#">INV0001360</a>	Invoice	01/31/2020	457 Withholdings	0.00	475.00	
PERS	Public Employees' Retirement System	01/31/2020	Bank Draft	0.00	2,561.67	DFT0000878
<a href="#">INV0001363</a>	Invoice	01/31/2020	PERS	0.00	2,561.67	
PERS	Public Employees' Retirement System	02/12/2020	Bank Draft	0.00	72.79	DFT0000886
<a href="#">26446-0220</a>	Invoice	02/12/2020	Unfunded Accrued Liability	0.00	72.79	
PERS	Public Employees' Retirement System	02/12/2020	Bank Draft	0.00	1,694.90	DFT0000887
<a href="#">3050-0220</a>	Invoice	02/12/2020	Unfunded Accrued Liability	0.00	1,694.90	

## Check Report

Date Range: 01/16/2020 - 02/15/2020

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Post Date	Payable Description	Discount Amount	Payable Amount	
SCE	Southern California Edison Co.	02/12/2020	Regular	0.00	1,914.00	9059
<a href="#">OFFELE0220</a>	Invoice	02/12/2020	Office Electricity	0.00	98.00	
<a href="#">TNKFRM0220</a>	Invoice	02/12/2020	Tank Farm	0.00	28.00	
<a href="#">WELL1-0220</a>	Invoice	02/12/2020	Well 1	0.00	667.00	
<a href="#">WELL2-0220</a>	Invoice	02/12/2020	Well 2	0.00	629.00	
<a href="#">WELL80220</a>	Invoice	02/12/2020	Well 8	0.00	92.00	
<a href="#">Z-20220</a>	Invoice	02/12/2020	Zone 2	0.00	92.00	
<a href="#">Z-2FIR0220</a>	Invoice	02/12/2020	Zone 2 Fire	0.00	48.00	
<a href="#">Z-2PWR0220</a>	Invoice	02/12/2020	Zone 2 Power	0.00	277.00	
<a href="#">Z-3FIR0220</a>	Invoice	02/12/2020	Zone 3 Fire	0.00	12.00	
SCGAS	Southern California Gas Co.	02/12/2020	Regular	0.00	90.44	9060
<a href="#">0268</a>	Invoice	01/29/2020	Office Heat	0.00	90.44	
UAOFSC	Underground Service Alert of So.Ca.	02/12/2020	Regular	0.00	50.50	9061
<a href="#">120200440</a>	Invoice	02/01/2020	Digalert	0.00	33.10	
<a href="#">dsb20190329</a>	Invoice	02/01/2020	State Regulatory Fee	0.00	17.40	
USBANK	US Bank Corporate Pmt. System	02/12/2020	Regular	0.00	1,179.49	9062
<a href="#">AMAZ010720</a>	Invoice	01/07/2020	Wall Calendar	0.00	16.13	
<a href="#">AMAZ010820</a>	Invoice	01/08/2020	Phone Case	0.00	21.40	
<a href="#">AMAZ011320</a>	Invoice	01/13/2020	Phone Case	0.00	11.73	
<a href="#">AMAZPRIME0120</a>	Invoice	01/20/2020	Prime Membership	0.00	13.93	
<a href="#">DMV010920</a>	Invoice	01/09/2020	DMV Record	0.00	2.00	
<a href="#">DMV01092020</a>	Invoice	01/09/2020	DMV Fee	0.00	0.04	
<a href="#">HACHCO011320</a>	Invoice	01/13/2020	Lamp Assy/Stabcal	0.00	649.88	
<a href="#">INDEED010220</a>	Invoice	01/02/2020	Job Advertising	0.00	167.05	
<a href="#">INDEED012020</a>	Credit Memo	01/20/2020	Credit Back	0.00	-5.64	
<a href="#">LAWCOPY011120</a>	Invoice	02/11/2020	Employee Live Scan	0.00	50.00	
<a href="#">OVWASH010220</a>	Invoice	01/02/2020	Truck Wash	0.00	20.00	
<a href="#">PRECO11120</a>	Invoice	02/11/2020	Ditch Pump Repair	0.00	201.60	
<a href="#">VONS010620</a>	Invoice	01/02/2020	Water/Toilet Paper	0.00	31.37	
VERIZON	Verizon Wireless	02/12/2020	Regular	0.00	316.25	9064
<a href="#">9847192825</a>	Invoice	01/26/2020	Cell Phones	0.00	316.25	
WREA	Water Resource Engineering Associates	02/12/2020	Regular	0.00	3,844.97	9065
<a href="#">3081-13</a>	Invoice	01/31/2020	New Filter	0.00	1,181.00	
<a href="#">3295-10</a>	Invoice	01/31/2020	Pipeline Relocation/Replacement	0.00	919.92	
<a href="#">3354-3</a>	Invoice	01/31/2020	Zone Compliance Report	0.00	1,744.05	
WRIGHT EXP	WEX Bank	01/29/2020	Regular	0.00	830.06	9034
<a href="#">63391999</a>	Invoice	01/15/2020	Fuel	0.00	830.06	

## Bank Code AP Bank Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	105	47	0.00	80,482.55
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	9	9	0.00	18,404.93
EFT's	0	0	0.00	0.00
	<b>114</b>	<b>56</b>	<b>0.00</b>	<b>98,887.48</b>

PR \$39,478.82



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PHONE: (909) 599-9606 \* FAX: (909) 599-6238

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[www.genpump.com](http://www.genpump.com)

**WELL & PUMP SERVICE SINCE 1952**

Lic. #496765

*Serving Southern California and Central Coast*

January 23, 2020

*Via Email*

Meiners Oaks Water District

202 W. El Roblar

Ojai, CA 93023

Attn: Mr. Mike Hollebrands

**Subject: Well #4 Investigation, Conclusions and Recommendations**

General Pump Company (GPC) has removed the pump from the well and conducted a down well video log. We have also collected and reviewed documents and information regarding the drilling, development of the well from files and with input from Mr. Jordan Kear of Kear Groundwater who has been very helpful. Additional information was provided by the District files and Manager Mr. Mike Hollebrands associated with the vibration and production issues associated with the referenced well. There are some notable data gaps in the documentation regarding the pump installation, however physical inspection of the pumping equipment did provide some insights on the design, installation and quality of pump based on the well design and needs.

The findings associated with the pump are as follows:

- Filed Inspection of the equipment prior to removal revealed the pump was resting on the floor of the pump house. This could cause any vibration to be carried and be exaggerated. The installation of the pump should be set on a rigid base that is generally part of the well. GPC will install a Steel plate 1-1/2" thick X 36-inch square that will allow the pump proper base to rest on and separate the pump/well from the housing.
- The Bowl assembly lateral setting was a little higher than should have been. This allowed the pump to recirculate water and lose some efficiency. (see attached Photo).
- The bowl castings reflect the wear of abrasive materials in 50% of the wear ring area and require new wear rings be installed to restore the tolerances and efficiency of the bowl.
- The bowl suction, discharge and intermediate bearings show wear from the vibration and require replacement
- The Bowl shaft reflects wear at each bearing journal generally associated with abrasive or vibration wear. The recorded issue of vibration in this unit is likely to have come from the 10-stage pump assembly as the bowl shaft had some run-out that exceed tolerances at .011 over the allowable .04. Combined with the improper lateral setting, allowed the rotating elements of the pump (Impellers and shaft) to rotate without adequate support, especially during starting and stopping of the pump equipment. The Bowl shaft is recommended for replacement
- The Column pipe appears to be suffering form age and corrosion. There are seams visible on several pieces of the column suggesting the column is nearing the end of life and all should be replaced.
- The discharge head packing box requires a replacement bearing and some cleaning, but otherwise is good for reuse.



Information associated with the well is as follows:

- The well was drilled during a time of lower water levels. This created a difficult challenge to develop the formation and drilling fluids after well completion. This normal development is critical to the production of wells. The lack of this development can be addressed in the near future. Current water levels have recovered to a point that is much more amenable to the development of the upper zones.
- The well was drilled using Flooded Reverse Circulation Method and the use of polymers are very common during this method to help stabilize the formation and reduce water losses during drilling. The Polymers can create plugging issues post well completion if they are not adequately developed from the well upon completion. The fact that the water levels were much lower at that time suggest some or many of the water bearing formation may still have polymers preset reducing the pore space and the ability for the well to produce the desired volume on water. It is strongly suggested that based on the current water levels, immediate steps be taken to introduce the necessary chemical energy and physical energy to develop the water bearing strata of this well.
- GPC would normally suggest test pumping the well post development to better understand the well performance and improve the pump design for efficiency based on the well performance. However, since we already have the pump, we removed from the well and the pump is set up on a VFD and can be adjusted to accommodate the actual well performance. We thought it was more cost effective to skip that step in this redevelopment approach.

We have provided our cost estimate below and have separated the well development redevelopment work from the pump repair and installation.

**Our estimate for the well development/redevelopment is as follows:**

**Shop Time**

- |  |          |                          |
|--|----------|--------------------------|
| • Load-Unload materials and equipment as needed.           |          | 30 Hours                 |
| • Engineering support                                      | 10 Hours | Included                 |
| <b>30 Hours Total Estimated Shop Labor @ \$109.00/Hour</b> |          | <b><u>\$3,270.00</u></b> |

**Field Labor**

- |   |   |                           |
|---|---|---------------------------|
| • Mobilize crew and equipment to site, set up rig, install 10' swab to screen, mix chemicals and inject 5 batches of chemistry from top of screen to bottom - allow 12-hour soak time |   |                           |
| • Remove swab injection system and Airburst well for 6 hours minimum from top to bottom and back to top.  |   |                           |
| • Install swab pump submersible system and swab/pump/develop each 10' zone until clean after 2 minutes of pumping.  |   |                           |
| • Overtime/man hour >8 weekdays and Saturdays up to 8 hours   |   |                           |
|   | 56 Hours 3 Man Crew and equipment @ \$499.00/Hour | \$27,944.00               |
|   | 48 Hours Overtime at \$55.00 per man Hour         | \$2,640.00                |
|   | <b>Total Field Labor</b>                          | <b><u>\$30,584.00</u></b> |





**Materials – Rentals (Non-Taxable)**

- Swab Injection tool rental \$695.00
- Test Pump/swab development tool Rental \$3,273.00
- Rental of Airburst Equipment \$6,546.00
- Rental of Chemical Treatment Trailer and support equipment \$682.00

***Total Materials - Rentals (Non-Taxable)*** **\$11,196.00**

**Materials – Rentals (Taxable)**

- 5 Each Batches of Chemistry design to breakdown and remove Polymers \$7,137.00
- Estimated Freight \$886.00
- Estimated Tax \$581.67

***Total Materials - Rentals (Taxable)*** **\$8,604.67**

**Outside Services**

- Video Log Post Redevelopment \$1,200.00

***Total Outside Services*** **\$1,200.00**

***Total Estimated Well Development - Redevelopment*** **\$54,854.67**

Our estimate for the Pump Repair, Sole Plate and Pump Installation, Startup and Testing is as follows:

**Shop Time**

- Load-Unload materials and equipment as needed. 10 Hours
- Machine suction and bowls and install wear rings 30 Hours
- Machine packing box and install replacement bearing 4 Hours
- Replace rubber inserts into existing bearing retainers 2 Hours
- Straighten and reface 12 line-shafts for reuse. Sand blast shaft couplings and fit to shafts after refacing 10 Hours
- Discharge Head, packing and remove top column and replace with new top column and prep for installation 8 Hours
- Engineering support 10 Hours Included

***64 Hours Total Estimated Shop Labor @ \$109.00/Hour*** **\$6,976.00**

**Field Labor**

- Mobilize crew and equipment to site, set up and install new soleplate to be welded to top of casing - cut floor of pump house to fit soleplate.
- Mobilize crew and equipment to site, set up rig, install pump equipment.
- Connect Pumping equipment to power supply, start and test pump
- Overtime/man hour >8 weekdays and Saturdays up to 8 hours

20 Hours 3 Man Crew and equipment @ \$499.00/Hour \$9,980.00

12 Hours 2 Man crew and equipment @ 280.00/Hour \$3,360.00

6 Hours Overtime at \$55.00 per man Hour \$330.00

***Total Field Labor*** **\$13,670.00**



**Materials – Rentals (Taxable)**

• Bowl Shaft Material	\$728.00
• 10 Each Bowl wear ring materials	\$1,546.00
• 12 Each bearing retainer inserts	\$328.00
• 11 Each 8" X 10' T&C column assemblies	\$5,000.00
• 5' top column	\$210.00
• Packing box bearing materials	\$159.00
• 1-1/2" steel sole plate 16" casing 36" square	\$886.00
• Replacement SST Airline	\$273.00
• Bolting and gasket kit, Motor oil, and field consumables	\$73.00
• Electrical components to splice motor leads	\$91.00
• Miscellaneous consumables including fittings, tape, banding etc.	\$137.00
• Estimated Freight	\$755.00
• Estimated Tax	\$738.49

***Total Materials - Rentals (Taxable)*** **\$10,924.49**

***Total Estimated Pump Repair*** **\$31,570.49**

The total expected project total including the well redevelopment portion and the pump repairs and improvements are: **\$86,425.15**

We would enjoy the opportunity to visit and discuss our findings, conclusions and recommendations if requested. In any case, should you have any questions or need additional information regarding the above summary and associated costs, please do not hesitate to contact us.

Sincerely,

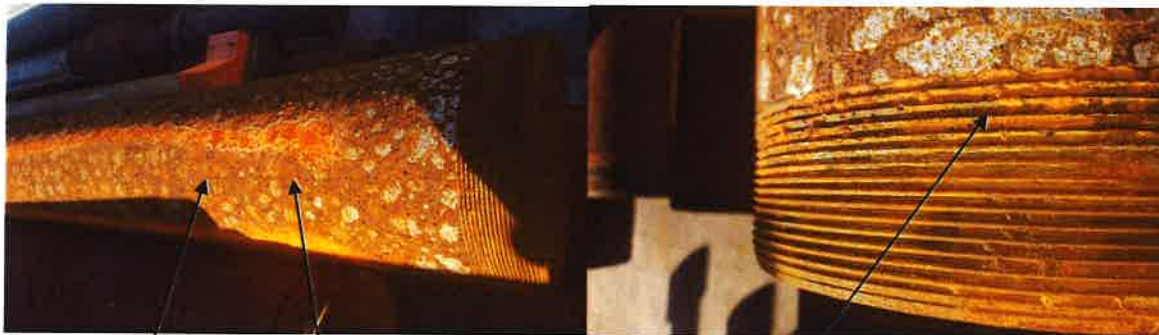
**GENERAL PUMP COMPANY, INC.**

*Ray Reece*  
General Manager

## Attached Photos



Notice Step in wear ring from wear



Exposed Seam in Column Pipe

Corrosion on Threads



Bearing Retainers



➔At the Board meeting we will discuss and may tentatively approve the policy on New Meters for Affordable Multiple Family Dwellings starting on p. 3.

***Meiners Oaks Water District***

**Interim Policy on New Meters and Expansions of Service**

**DRAFT**

**February 10, 2019**

**Introduction**

Despite some recent rain, MOWD is still in a Stage 3 drought. Since 2013, MOWD has, at times, taken 100% of its water supply from its backup water supplier, Casitas MWD. MOWD has no additional water supply to support increased demands, except through the auspices of Casitas MWD.

The current drought has called into question the safe yield of Lake Casitas. This issue is under review and may affect the reliability of MOWD's future water supply.

A *Groundwater Sustainability Plan* is being developed to ensure that groundwater pumping does not exceed safe yield. In addition, the State has initiated a process to determine the water needs of fish in the Ventura River, which may also reduce our local water supply by an unknown amount. To develop additional supplies, Casitas MWD is pursuing two new projects: the importation of State water and a new "VerBo" well. Similarly, MOWD is considering new water supply projects: a new "cold water" well and nitrate removal at Well No. 8.

Until information on these projects becomes available, MOWD is uncertain of its future water supply reliability. Therefore, MOWD adopts the interim measures in this policy document until the reliability of its future water supply is secured.

**Scope of This Policy**

MOWD's Allocation Program (AP) applies to existing customers and their existing/historical levels of water demand. A waiver program within the AP provides for adjustments to allocations, if justified. This *Policy on New Meters and Expansion of Service* applies to new construction, new businesses, new water uses, and to existing customers who wish to increase their water use above prior levels.

Subject to future Board action, it is intended that this policy will remain in effect even after the end of the current drought.

**Categories of meters within MOWD**

MOWD serves water to existing residential, commercial and agricultural customers. MOWD's interim policy for will-serve letters, new meters, and expansion of service is discussed below for each meter category.

**Existing Residential Meters (Including Those Serving Existing Additional Dwellings Units)**

Residential allocations are determined as specified by the Allocation Program, AP, then in effect. Any modification to customers' assigned allocation amounts shall be approved by the Board using the waiver process provided in the AP. Except as provided through the waiver process, no additional allocations may be acquired from MOWD or purchased from Casitas MWD by existing residential customers, until we can be assured of an adequate, secure water supply in times of drought.

Any residential customer with an existing meter who constructs a remodel, room addition, garage conversion, attached accessory dwelling, etc., does not require a will-serve letter from MOWD for those purposes and may continue to receive water from the existing meter. However, the meter will not be upsized, nor will any additional water allocation be granted for these purposes.

**Existing Commercial Meters**

Commercial allocations are determined as specified by the AP then in effect. Any modifications to allocation amounts to meet current demands are to be approved by the Board using the waiver process provided in the AP. Except as provided through the waiver process, no additional allocations may be acquired from MOWD or purchased from Casitas MWD by existing commercial customers, until we can be assured of an adequate, secure water supply in times of drought.

**Existing Agricultural Meters**

Agricultural allocations are determined as specified by the AP then in effect. Any modifications to allocation amounts shall be approved by the Board using the waiver process provided in the AP. Except as provided through the waiver process, no additional allocations may be acquired from MOWD or purchased from Casitas MWD by existing agricultural customers, until we can be assured of an adequate, secure water supply in times of drought.

**New Residential Meters for New Primary Dwellings**

No new Will-Serve Letters will be issued and no new residential meters will be installed for future, new primary dwellings within MOWD, until we can be assured of an adequate, secure water supply in times of drought.

**New Meters for New Second Dwelling Units**

Until Casitas MWD declares that an adequate water supply from Lake Casitas cannot be demonstrated, in accordance with County of Ventura Ordinance No. 4519 Sec. 8107-1.7.2q, MOWD will issue Will-Serve letters for new second dwelling units, when built on property with an existing primary residence served by an existing MOWD meter. The second dwelling unit must be permitted by the County. It is MOWD's policy that new, separate meters are required for each new, detached accessory dwelling. MOWD will install the new meter after all requirements of the Will-Serve Letter have been met. The monthly fixed baseline allocation for the second dwelling will be set at 7 Units/mo; no variable baseline allocation will be allowed. At the same time, the variable baseline allocation for the primary residence will be reduced by 120 Units/yr. (The fixed baseline allocation of 10 Units/mo for the primary residence will not be reduced.) A Will-Serve Letter will be issued only if the existing meter for the primary residence has sufficient allocation to support the second dwelling without a net increase in water usage.

In accordance with the County ordinance, this policy applies only to lots with at least 20,000 SF of total area. That ensures that the variable allocation of the primary residence is large enough to support the second dwelling unit without an overall increase in water demands. In addition, there is a limit of one second dwelling unit for each customer's lot with an existing primary dwelling unit on that single lot.

It is also MOWD's policy that additional allocations will not be provided to a customer who has completed a lot split after the adoption of this policy and the Allocation Program. Note that the County does not normally notify MOWD of lot splits. This issue would typically be brought to MOWD's attention by a customer requesting revised allocations for the new amended lot(s).

**New Meters for Affordable Multiple-Family Dwellings**

In consideration of the current housing shortage in California, MOWD will consider issuing Will-Serve Letters, on a case by case basis, for new multiple-family dwellings or new mobile home parks of 5 or more units that dedicate 100% of their units for affordable housing as defined in Section 50052.5 of the California Health and Safety Code.

The following information shall be required before the Board will consider such a Will-Serve Letter: A letter in writing describing the project in detail and summarizing available information on it; a project site plan; any Initial Study done for environmental review; a project schedule; a Net Zero Plan for water supply mitigation, including a plan that guarantees their long-term maintenance and viability; and a detailed description of what is requested from MOWD.

The following procedures and conditions shall apply:

- 1) The assigned baseline allocation shall be the larger of the project proponent's County-approved water demand estimate or a baseline allocation calculated using the MOWD Allocation Program then in effect. MOWD reserves the right to develop its own water demand projections for the project.
- 2) MOWD's Board would approve by vote whether or not to issue a Will-Serve Letter for the proposed development, and what conditions shall apply. Those conditions shall include a project schedule and payment of a MOWD connection fee adequate to fund a portion of additional water supply facilities.
- 3) The project proponent shall purchase and obtain from Casitas MWD an allocation for lake water equal to or exceeding the above-defined assigned baseline allocation. The project proponent is responsible for negotiating a sales agreement with CMWD including cancellation and buyback provisions.
- 4) MOWD's conditional Will-Serve Letter will be issued once MOWD receives written confirmation from Casitas MWD that they have approved the sale and issuance of the allocation from Casitas MWD. Once this written confirmation is received by MOWD, the project proponent will have two years to purchase the CMWD allocation and have it transferred to MOWD, or the Will-Serve Letter will be invalidated.
- 5) MOWD will install the meter only after the CMWD allocation has been purchased by the project proponent and assigned to MOWD by CMWD in writing, and after all other conditions imposed by MOWD have been met.
- 6) To ensure the developer's compliance with MOWD's conditions, MOWD may require the developer to provide a suitable bond to ensure conformance.
- 7) Once the CMWD allocation has been transferred to MOWD, the Will-Serve Letter will remain valid for 10 years. Otherwise the Will-Serve Letter will expire in 2 years.

Will-Serve Letters for new Multiple-Family dwellings will be limited to one per year, on a first-come-first-served basis as determined by the date of the first written confirmation from Casitas MWD as outlined in (4) above.

**New Commercial Meters**

No Will-Serve Letters will be issued and no new commercial meters will be installed, until we can be assured of an adequate, secure water supply in times of drought.

**New Agricultural Meters**

It is MOWD's policy that no new agricultural meters will be installed by MOWD. An exception may be considered when the new meter is a replacement for convenience only and will not support additional water demands (above pre-drought levels) and will not support increases to planted acreage. Any new agriculture within MOWD would have to be supplied from private wells, until we can be assured of an adequate, secure water supply in times of drought.

**Unique Customer Conditions**

Some customers may have unique conditions not clearly encompassed within the preceding categories. Some projects might offset existing water demands in some way. The Board will consider such unique cases providing a way is found to offset any future demand increases above historical levels with reduced irrigation etc. The customer must provide a letter explaining his/her unique circumstances and the proposed solution.

**Other Related Policy Issues****Allocations Subject to Change**

All assigned allocations are subject to change by Board action, if required due to worsening drought, new State laws, changes to the policies of Casitas MWD, etc.

**Net Zero Impact of New Development**

As a condition for obtaining approvals for new development, the County of Ventura may require a "Net Zero Impact" for the development. MOWD may also impose a Net Zero Impact requirement before issuing a Will-Serve Letter. Under that requirement, the developer must retrofit other facilities and provide water conservation off-site to compensate for proposed water use by the development.

Before MOWD will issue a Will-Serve Letter to a developer who has a Net-Zero Impact requirement, the developer must commit to implementing the associated mitigation within the boundaries of MOWD in a way that reduces water demands on MOWD. The Will-Serve Letter will include a condition that the meter will not be installed until the mitigations within MOWD have been completed and certified by the County.

In addition, a project proponent shall provide a detailed plan that guarantees the long-term viability of the Net Zero Impact measures implemented. Approval of this plan by the County and by MOWD is required before a conditional Will-Serve Letter will be approved by MOWD.

**Tiny Homes**

Tiny homes (under 500 SF) with permanent foundations will be treated the same as other types of homes, whether existing or new, primary or secondary residences, etc., except that the monthly fixed baseline allocation will be set at 5 Units/mo, as established in the Allocation Program. This policy applies only for County-permitted tiny homes.

**Validity Dates of Outstanding Will-Serve Letters**

Prior to the current drought, MOWD issued some Will-Serve Letters without expiration dates. With current water supply limitations, those letters committed MOWD to deliver water it does not have available. Therefore, MOWD hereby adopts a policy that **all outstanding Will-Serve Letters without expiration dates will expire (or have expired) 5 years after the date of issuance.** If a Will-Serve Letter does not have an issue date on it, MOWD will assign an issue date based on associated correspondence.

Once a Will-Serve letter has expired, the Board may consider issuing a new Will-Serve letter to that customer with **updated terms and conditions that incorporate the latest information on drought reliability, water allocations, drought stage and the requirements of Casitas MWD.** The customer should **apply for the replacement Will-Serve letter and provide all relevant project information.** The Board will use its discretion to decide whether or not to issue a new letter.



202 WEST EL ROBLAR DRIVE

## Resolution No. 20200218

### Adoption of the Allocation Program

**WHEREAS**, Ventura County is in the midst of the worst short-term drought in recorded history. Governor Jerry Brown has declared California to be in a drought emergency and requested local water agencies to update and implement drought contingency plans and allocation programs. Meiners Oaks Water District (MOWD) first declared the existence of the present drought emergency in September of 2012 by Resolution No. 201209-5; and

**WHEREAS**, in the fall of 2015, declining groundwater levels caused all of Meiners Oaks Water District's wells to be taken out of production. MOWD was required to take 100% of its water supply from Casitas Municipal Water District for the second time since its formation in 1949.

**WHEREAS**, Meiners Oaks Water District has prepared an Allocation Program and posted it on its website for public review and comment for one-month, as well as included in every customer's bill statements January 31, 2020. All comments received were considered during the preparation of the final version of the program;

**WHEREAS**, in accordance with Water Code Sections 350, 31026, the Board of Directors of MOWD intends to take the necessary steps to reduce water demand and bring it into balance with available supplies;

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors as follows:

1. That a water shortage emergency continues to exist within MOWD due to reduced water supply availability. That reduced supply is caused by a lack of rainfall, falling groundwater and lake levels.
2. The District's Allocation Program is hereby adopted in its entirety. It is expected that the Plan will be updated as conditions change, with future amendments to be approved by the Board of Directors as needed.
3. Installation of water meters or connections to new customers, except as previously authorized, shall not be approved by the District.

PASSED, APPROVED AND ADOPTED this 18<sup>th</sup> day of February 2020.

---

Board President  
Michel Etchart

ATTEST:

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Secretary to the Board of Directors  
Summer Ward



**DRAFT**  
**Meiners Oaks Water District**  
**Answers some of your Water Adjudication Questions**

We understand many of you still have questions regarding the Adjudication brought about by the City of Ventura. Although we are legally unable to give you advice about what you should do, we want to clarify the facts as much as possible to help you make the right decision for your situation.

Since this is an active legal case there are details which must remain confidential. The roll out of information is directly guided by the confidentiality of the lawsuit and the procedures.

Meiners Oaks Water District (MOWD) has made it clear to the City of Ventura and others in the adjudication that we desire and are willing to work together to solve the problems collaboratively. MOWD is proposing collaborating with the City of Ventura and others to find physical solutions to satisfy the requested habitat protection addressed in the Channel Keepers lawsuit against the City. MOWD prefers using local experts and local water agency General Managers to collaboratively work on solutions without expensive lawyer interaction. The District continues to encourage the collaborative approach verses adjudication, but the City of Ventura chose to move forward with the summons and notification while the rest of the litigation is on hold as settlement discussions are proceeding. We are participating in these discussions with the goal of avoiding an expensive and lengthy court fight.

Meiners Oaks Water District is working hard to defend the District's water rights to be able to continue to serve you water. Some of you who are named in the adjudication also receive water from MOWD. If you chose to defend your water rights as a property owner, you should consider hiring your own attorney for your specific property rights. If you do not need independent water rights associated with your property, for example, if you do not have a well and do not plan to ever drill a well on your property, or you do not currently divert water from a creek or river and do not plan to in the future, then the adjudication may not impact you directly. An easy way to remember this point is MOWD is fighting to defend your right to receive water through your utility connection, not water rights associated with the property you own.

The adjudication is about water rights. The City of Ventura currently states it is working to avoid reaching a level of adjudication which would involve determining the allocation and priority for every user in the watershed. This is why it is so important we work quickly and do not delay the collaborative efforts of designing physical solutions to ensure our watershed remains in good condition for the people and the environment. Hopefully, anger against the City will not undermine negotiating a settlement.

Channel Keeper had opposed the City's cross-complaint to include other users in the watershed and the original judge of the case agreed, stopping the City from taking action. The City appealed the court's ruling and was approved to move forward in the adjudication.

Some customers are concerned that rainwater capture may be prohibited by the adjudication. This is possible but unlikely for two reasons. The first is because captured rainwater slowly makes its way underground to the creeks and river arriving many months after the rain helping to sustain over summering pools for the Steelhead, so it is very beneficial. Secondly, flood flows in the river downstream of the Robles Diversion are not captured for human use so these flows will not likely be part of the adjudication.

Many of you have also voiced concerns over your property value now that you have been named in this process. Again, this comment is not meant to substitute for you asking an attorney about your specific situation but only to assist in basic clarifications. The value of a property is determined by many factors with the most important being the cost a buyer is willing to pay. If you are participating in the lawsuit to defend your right to divert water from the river/creek/tributary or using well water on your property and you sell your property, the new owner would continue participating in the adjudication because it stays with the property. This may create a title issue which must be cleared during the transaction. If you do not participate in the lawsuit then a disclosure might be required to fully inform your buyer of the situation, but this does not create a title issue to clear. Please consult your attorney or realtor for clarification. There are examples of other watersheds involved in adjudication in which property values were not affected by the action. If a court approves a settlement, it applies to all properties whether owners participated or not.

Concurrent with the adjudication process are the ongoing studies and plans to satisfy a State required Groundwater Sustainability Plan. In September of 2014, the California Legislature enacted comprehensive legislation aimed at strengthening

local control and management of groundwater basins throughout the State. Known as the Sustainable Groundwater Management Act (SGMA), the legislation provides a framework for sustainable management of groundwater supplies by local authorities. This process will need to work in conjunction with the adjudication.

If you would like to know more about MOWD actions, we welcome you to reach out with additional questions and/or to participate in our monthly meetings held the third Tuesday of each month at 6:00PM at the district office. Please remember details of the litigation are still confidential and not yet for public interaction. We also encourage you to participate in the Upper Ventura River Groundwater Agency meetings. Go to <https://uvrgroundwater.org> to learn about scheduled meetings.

If you have more questions about the adjudication, please call the City of Ventura directly at (805) 654-7858.

## Proposed Water Rates 2019 - 2023

*(Subject to Prop 218 Process)*

### 1) Monthly Water Availability Charge (WAC)

Meter size	Current	Proposed			
	2018-19	2019-20	2020-21	2021-22	2022-23
All	\$35.91	\$35.91	\$38.78	\$40.33	\$41.95

### 2) Monthly Meter Capacity Charge (MCC)

Meter size	2018-19	2019-20	2020-21	2021-22	2022-23
5/8" & 3/4"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1"	\$16.00	\$16.00	\$16.00	\$16.00	\$16.00
1.5"	\$36.00	\$36.00	\$36.00	\$36.00	\$36.00
2"	\$104.00	\$104.00	\$104.00	\$104.00	\$104.00
3"	\$256.00	\$256.00	\$256.00	\$256.00	\$256.00
4"	\$776.00	\$776.00	\$776.00	\$776.00	\$776.00
6"	\$1,576.00	\$1,576.00	\$1,576.00	\$1,576.00	\$1,576.00

### 3) Rate per HCF for First 10 HCF (First 7 HCF for apartments etc.)

Meter size	2018-19	2019-20	2020-21	2021-22	2022-23
All	\$2.34	\$2.34	\$2.53	\$2.63	\$2.73

### 4) Rate per HCF for Over 10 HCF (Over 7 HCF for apartments etc.)

Meter size	2018-19	2019-20	2020-21	2021-22	2022-23
All	\$2.34	\$4.68	\$5.05	\$5.26	\$5.47

### 5) Over-Allocation Penalty

Meter size	2018-19	2019-20	2020-21	2021-22	2022-23
All	\$1.00/Unit	A [\$2.50-\$5.00 TBD]/HCF Over-Allocation Penalty is added for water use above a customer's total allocation, when MOWD's wells are operating. When taking water from Casitas MWD, the Over-Allocation Penalty will be set at Casitas MWD's Over-Allocation Penalty then in effect (Currently \$5.00/Unit).			

### 6) Casitas Surcharge

Meter size	2018-19	2019-20	2020-21	2021-22	2022-23
All	The cost of purchasing water from Casitas MWD is collected as a "Casitas Surcharge" added to a customer's bill in proportion to the amount of water used that month. (NO CHANGE)				

### 7) Other Fees and Charges

See our website for special rates and conditions.

Note: 1 Unit = 100 cubic feet = HCF

**PRELIMINARY DESIGN REPORT**  
**35% CONCEPTUAL LEVEL**

**FOR**

***MEINERS OAKS WATER DISTRICT***  
***Domestic Well #1 & #2 Treatment Plant***

Located in  
Meiners Oaks, CA

Date: February 5, 2020

Prepared By:

**WREA**

**Water Resource Engineering Associates**

2300 Alessandro Drive, Suite 215 • Ventura, California 93001

805.653.7900 • Fax: 805.653.0610

1-800-25-WATER

[www.wreassoc.net](http://www.wreassoc.net)

3081-35% Preliminary Design Report



A handwritten signature in blue ink, appearing to read "Ben Fischetti", located below the professional engineer seal.

## **TABLE OF CONTENTS**

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DESIGN-CONSTRUCTION PHASES CONSULTANTS AND GENERAL SCOPE OF WORK .....	5
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## **APPENDICES**

- A 35% CONCEPTUAL IMPROVEMENT PLANS, 2 SHEETS
- B 35% CONCEPTUAL COST ESTIMATE
- C 35% CONCEPTUAL MATERIALS AND EQUIPMENT LIST
- D COUNTY OF VENTURA, PLANNING DIVISION, ZONING CLEARANCE  
EXEMPTION

## **BACKGROUND**

The Meiners Oaks Water District (MOWD), operating under California State Water Resources Control Board Division of Drinking Water (DDW), permit number 5610005, is a purveyor supplying domestic and fire protection water. The service area includes Meiners Oaks, CA and is bounded by Baldwin Road/Hwy 150 to the South, Rice Road and the Ventura River to the West, Maricopa Hwy 33 to the North and with a meandering boundary generally following Hwy 33 to the East. The service area lies outside city limits in the unincorporated area of Ventura County. Currently, MOWD serves approximately 1,277 metered connections.

The primary source for domestic water is groundwater, however MOWD maintains an intertie with Casitas Municipal Water District for backup / emergency purposes. The MOWD system is comprised of four wells designated as Wells-1, -2, -4, and -7.

Wells 1 and 2 are located adjacent to the Ventura River, are considered “groundwater wells under the influence of surface water” and are plumbed through a DDW-approved surface water treatment plant, which complies with the Surface Water Treatment Rule. The existing treatment plant was manufactured by EPD USA, Inc. and installed in 1994. While the treatment plant has functioned effectively since put into service, it is at the end of its useful service life. The 25-year service-life duration is considered appropriate for this type of facility and in line with industry standards. MOWD is pursuing replacement of the filter facility with an in-kind filtering process that will be consistent with current operations and the successful performance record. The new treatment plant will utilize upgraded/modernized components and other improvements to better accommodate operation & maintenance activities and increase efficiencies.

## **PROPOSED IMPROVEMENTS**

### **Site and Building Improvements**

The site will remain accessible from the existing driveway entrance located on Highway 33 and approximately 1.77 miles north of the Fairview Road intersection. The existing unpaved driveway will require pavement improvements inclusive of a standard fire truck access hammerhead style turnaround. A proposed fire hydrant will be installed near the turnaround area. The treatment

plant facility will be housed in an 832 square-foot masonry block building enclosure with maximum height of approximately 12-feet.

An exterior 812 square-foot concrete pad will be constructed south of the building to contain the (4) 5,000-gallon backwash / rinse recycle storage tanks, booster pumps, and other miscellaneous equipment. The Conceptual 35% Design Level Plans are included in Appendix A.

### **Filter Design Concept**

The proposed design is a standard EPD two stage pressure filter system with 4 filter vessels in the first stage and 3 filter vessels in the second stage. The system will have automatic backwash capability, turbidimeter controlled rinse to waste and alarm turnout functions. Each vessel is steel, poly-lined, has 20 square feet of filter area and is rated at 100 psi operating pressure with a 4 to 1 safety factor. Control function is via the programmable logic controller (PLC) based EPD Aquatic Intelligence Control System (AICS).

### **Filter Design Parameters**

- Filter design flow rate: 600 gpm
- Minimum filter flow rate: 300 gpm
- 4- 20 sq.ft. Tanks in 1st stage.
- 3- 20 sq.ft. Tanks in 2nd stage.
- 1st stage loading rate: 7.5 gpm\sq. Ft.
- 2nd stage loading rate: 10 gpm\sq. Ft.
- Head loss through system: 6-10 psi
- Backwash flow rate max: 400-440 gpm x 4 min/ tank
- Daily b/w volume max: 12,320 gal. (if both stages backwash once per day stage)
- Note: only one stage will backwash per day under normal conditions
- Maximum daily rinse to waste volume: 2400 gal. (4 min max.@ 600 gpm per stage)



- Backwash / rinse reclaim flow rate: 60 gpm (maximum 10% of treatment flow rate)

### **Filter Process**

1. Raw water enters upstream piping where it is injected with coagulant through a static mixer.
2. Water then enters the first stage (roughing) filter. Effluent of the first stage is monitored by the first stage turbidimeter which drives coagulant feed to the first stage.
3. Upon exiting the first stage the water enters the second stage (polishing) filter and is injected with coagulant based on the effluent turbidity of the second stage.
4. If water quality meets the requirements based on the alarm set points then water is allowed into storage through the effluent valve.
5. Continuous monitoring of the effluent water turbidity from the second stage combined effluent turbidimeter gives the system the “turn out” to waste function if turbidity alarm set point is reached. If this user defined set point is reached the system opens the rinse valve and closes the effluent valve for a user defined period of time, if that time is exceeded then the system automatically forces the second stage filters to backwash in an attempt to correct the problem. If after the forced backwash, the system corrects effluent turbidity readings it will go back on line, opening the effluent valve and closing the rinse to waste valve. If the system does not recover, it will automatically shut down and, automatic communication device(s) or SCADA connection will call out the alarm notification.
6. Automatic backwashing occurs when differential pressure set points are reached, user defined times that are programmed into the AICS are reached or system is manually put into backwash. Only one stage backwashes at time. Only one tank per stage backwashes at a time.
7. All backwash functions are followed by raw water rinse to waste function for quick recovery.

### **Operation During Periods of Low Production**

The proposed treatment plant will be designed for a maximum combined production rate from both Wells 1 & 2 of 600 gpm. However, there will be times when actual production rates are lower, which may result from seasonal fluctuations in groundwater levels, pumps out for maintenance, or other factors. It is understood that the minimum production rate that the system

will effectively operate under for single- or combined well production is 300 gpm. Filter backwash process typically uses water from the adjacent filter effluent, however the minimum backwash flow rate of 400 gpm will not be available during the minimum production periods. Therefore, backwash water must be supplemented with finished water from the MOWD system. The proposed improvements include provisions for reduced pressure backflow device connected to the finished water system, and a backwash supplement booster pump to supply up to 100 gpm of additional water.

### **Operational Considerations During Construction**

The proposed treatment plant will be located within the same general footprint of the existing system. As a result, Well-1 and -2 will be non-operational throughout the demolition, construction, and startup/commissioning phases. MOWD will be required to supplement the Well-4 and -7 supply with water from the CMWD connection. Project scheduling should be coordinated in an effort to minimize the dependency on CMWD over the course of the project's construction phase.

### **Surface Water Treatment Reliability**

Pursuant to the requirements of 22CCR, Division 4, Chapter 17, Article 4, Section 64659 regarding surface water treatment reliability requirements, DDW will be reviewing the proposed system for coagulant and chlorine pumps to be fully redundant with no down time. The filter equipment assembly will include redundant coagulant pumps in parallel (standby) operation. The existing chlorine gas circulation pumps providing disinfection at the wellheads will require upgrade to provide a backup (standby) pump.

### **Emergency Backup Power During Outages**

A secondary power source with automatic transfer switch will be required at the project site for Well 1, Well 2, and Treatment Plant operations in order to comply with Ventura County Waterworks Manual requirements. Additionally, this will provide MOWD customers with reliable, uninterrupted service during outages. The Conceptual Plans include a proposed diesel generator with two automatic transfer switches located near the existing service meter panels.

### **Conceptual Cost Estimate**

A Preliminary / Conceptual Cost Estimate has been prepared for the project based on the information developed during the 35% design phase. This estimate is intended for initial budgeting purposes only; actual costs to construction the project will be refined during subsequent final design phases. An estimate breakdown is included in Appendix B. The estimated cost for the proposed improvements described herein is approximately \$2,060,000, inclusive of soft-costs and 20% contingency.

### **DESIGN-CONSTRUCTION PHASES CONSULTANTS AND GENERAL SCOPE OF WORK**

The following list identifies the consultant team and general scope of work required to complete the Design, Bidding, and Construction Phases for the project.

#### *Pre-Design Phase:*

1. Land Surveying – Topographic survey of project site (existing pipe to be located and potholed by MOWD forces prior to survey).
2. Geotechnical Engineering Consultant – Prepare geotechnical investigation and recommendations to support proposed improvements.

#### *Final Design Phase (Plans, Specifications, and Cost Estimates at 50% and 100% Submittals):*

1. Civil Engineering Consultant (Lead Consultant) – Overall Project Management; Site Layout; Grading and Drainage Design; Paving Plans; Piping Plans; Treatment Plant and General Construction Details Design; Hydraulic Analysis; Permit Processing.
2. Architectural Consultant – Building Design; Door / Window / Finish Schedules.
3. Structural Engineering Consultant – Building Design; Backwash Recycle Storage Tank Anchorage; Genset Anchorage.
4. Electrical Engineering Consultant – Electrical Design; Instrumentation & Controls Design.

*Bidding Phase:*

1. Construction Management Consultant – Assist MOWD with bid solicitation and abstract.
2. All Design Consultants – Prepare responses to bidder's RFI's; prepare bid addenda (if required).

*Construction Phase:*

1. Construction Management Consultant – Perform contract administration and management (part-time basis); perform periodic inspection.
2. Geotechnical Engineering Consultant – Perform geotechnical observations and inspection; compaction testing and grading certification.
3. All Design Consultants - Prepare responses to Contractor's RFI's and submittal review; perform construction observation (as required); prepare record drawing.

For conceptual budgeting purposes, the estimated total consultant fees is approximately \$294,000, however actual costs will be determined during through the formal proposal process.

**GENERAL PERMITTING REQUIREMENTS**

1. County of Ventura
  - a. Planning – Zoning Clearance Exemption for housing and treatment equipment received from Planning on 10/19/18. Separate ZC may be required for fencing over 8-feet high. See Appendix D.
  - b. Building & Safety – Building permits for masonry building & equipment anchorage.
  - c. Flood Permit – not required; facility is outside of mapped floodway.
  - d. Fire Department – Fire hydrant location plan and access review.
  - e. Environmental Health – not required; State permitted water system.

- f. Air Pollution Control District – permit to operate diesel genset for emergency backup power.

2. State DDW

- a. Plan Check Review at 50% and 100% design phases.
- b. Permit Amendment

## Appendix A - 35% CONCEPTUAL IMPROVEMENT PLANS



## DESIGN COMPANY

THE PROPOSED DESIGN IS A STANDARD TWO TWO STAGE PRESSURE FILTER SYSTEM WITH 4 FILTER MESSALS IN THE FIRST STAGE AND 2 FILTER MESSALS IN THE SECOND STAGE. THE SYSTEM WILL HAVE AUTOMATIC BACKWASH CAPABILITY, PERMISTANT CONTROLLED FLOW, 100% WATER AND AGRICULTURAL FERTILIZERS. EACH MESSAL IS 3 STEEL PER-UNIT AND HAS 20 SQUARE FEET OF FILTER AREA AND IS RATED AT 100 PSI OPERATING PRESSURE WITH 4 TO 1 SAFETY FACTOR. CONTROL FUNCTION IS AN INHERENTLY SAFE, MICROPROCESSOR BASED, LOGIC CONTROLLER (PLC) BASED TWO AGRICULTURAL INTELLIGENCE CONTROL SYSTEM (AICS).

### DESIGN PARAMETERS

FL PER DESIGN FLOW RATE: 600 GPM  
4-20 SOFT TANKS IN 1ST STAGE  
5-20 SOFT TANKS IN 2ND STAGE  
1ST STAGE LOADING RATE: 7.5 GPM/SQ FT  
2ND STAGE LOADING RATE: 10 GPM/SQ FT  
HEAD LOSS THROUGH SYSTEM: 8-10 PSI  
DESIGN FLOW RATE: 400-440 GPM / TANK  
MAXIMUM FLOW RATE: 400-440 GPM / TANK  
NOTE: ONLY ONE TANK WILL MAXIMIZE PER DAY UNDER NORMAL CONDITIONS  
DAILY FLOW TO WASTE VOLUME: 2000 GAL (4 HRY MAJOR 600 GPM PER STAGE)  
RECLAIM FLOW RATE: 60 GPM (MAXIMUM DUE TO TREATMENT FLOW RATE)

## Filter Flow Process

- [illegible]

ADDITIONAL SYSTEM IMPROVEMENTS  
(NOT SHOWN ON PLANS)

1. FURNISH AND INSTALL BACKUP CHLORINE BOOSTER PUMPS IN PARALLEL (OFFLINE) WITH EXISTING BOOSTER PUMPS AT WELLS #1 AND #2 (MATCH EXISTING)



NOTE: ALL EXPOSED EXTENSION PIPING SHALL BE 6" OUCRILE  
IRON OR GALVANIZED STEEL (SMALLER DIAMETER PIPING)

$$\frac{dL}{d\tau} = 0$$

PIPING SCHEMATIC

FLOOR 11



1

Page

TREATMENT PLANT BUILDING PLAN  
AND SECTIONS

**WREA**  
WATER RESOURCE ENGINEERING ASSOCIATES  
17000 ALVARADO DR., SUITE 250, REDDING, CA 96001 • (916) 222-1000 • FAX: (916) 222-1001

MEINERS OAKS WATER DISTRICT  
WELL 1 & 2 TREATMENT PLANT - 35% DESIGN  
MEINERS OAKS, CA



Know what's below.  
Call before you dig.



## Appendix B - 35% CONCEPTUAL COST ESTIMATE

# MEINERS OAKS WATER DISTRICT

## Wells 1 and 2 Treatment Plant

35% Design Conceptual Cost Estimate

2/5/2020

Item	Description	Unit	Qty.	Unit Cost	Item Total
1	Mobilization	LS	1	\$146,169	\$146,169
2	Demolition	LS	1	\$5,000	\$5,000
3	Site Preparation / Clearing and Grubbing	LS	1	\$22,600	\$22,600
4	Site Preparation / Overex and Recompaction	CY	250	\$50	\$12,500
5	Import / Fine Grading	CY	110	\$50	\$5,500
6	6" C900 PVC Piping	LF	100	\$70	\$7,000
7	Connect to Existing Pipe	EA	3	\$4,000	\$12,000
8	6" Ductile Iron Pipe	LF	45	\$120	\$5,400
9	Misc 6" Pipe Fittings	LS	1	\$10,000	\$10,000
10	Minor Plumbing and Backflow Device	LS	1	\$6,000	\$6,000
11	FH Assembly	LS	1	\$4,000	\$4,000
12	8" Drain Piping and Accessories	LS	1	\$5,000	\$5,000
13	Exterior Paving and Slabs	SF	8300	\$12	\$99,600
14	Fencing Modifications and Enclosure	LF	80	\$100	\$8,000
15	Masonry Building	SF	832	\$305	\$253,760
16	EPD Filter Equipment (per Scope of Supply)	LS	1	\$511,500	\$511,500
17	Filter Equipment Installation	LS	1	\$102,300	\$102,300
18	Chlorine, pH, Temp Analysers	EA	3	\$7,000	\$21,000
19	Backwash Supplement Pump System	LS	1	\$5,000	\$5,000
20	Backwash Recycle System, Tanks and Pump	LS	1	\$23,100	\$23,100
21	Standby Chlorine Booster Pumps	EA	2	\$5,000	\$10,000
22	Instrumentation & Electrical (Building & Filter)	LS	1	\$50,000	\$50,000
23	Diesel Genset (250 kVA) and Conc Pad	LS	1	\$120,000	\$120,000
24	Electrical Breaker Panel and ATS (100 Amp)	EA	2	\$3,000	\$6,000
25	Testing and Disinfection	LS	1	\$10,000	\$10,000
26	Start Up & Commissioning	LS	1	\$10,000	\$10,000

Subtotal = \$1,471,429

Estimated Soft Costs @ 20% \$294,286

Contingency @ 20% \$294,286

**GRAND TOTAL = \$2,060,000**

### Notes:

The estimate above is for the purposes of preliminary budgeting only. The alternatives have not been developed beyond 35% preliminary engineering design and geotechnical feasibility. Soft costs are estimated for Civil, Architectural, Electrical, Geotechnical, and Structural consultants; construction phase services are excluded. Actual costs to construct the project can be determined through the effort of the design phase. These estimates shall not be used bidding purposes.

### Exclusions:

1. Environmental Mitigations
2. Components added during final design phase or as a result of Plan Check Review
3. Electrical service upgrades or modifications
4. Well rehabilitation or disinfection improvements
5. SCADA equipment / integration.

Prepared by:

  
**Water Resource Engineering Associates**  
2300 Alessandro Dr. Ste 215, Ventura, CA 93001  
805.653.7900 800.25.WATER 805.653.0610(fax)  
[www.wreassoc.net](http://www.wreassoc.net)

## Appendix C - 35% CONCEPTUAL MATERIALS AND EQUIPMENT LIST

**MEINERS OAKS WATER DISTRICT**  
**Wells 1 and 2 Treatment Plant**  
 35% Design Materials and Equipment List  
 2/5/2020

**SUPPLIED BY EPD, INC:**

Item	Description	Qty
	FILTERS, VALVES, AND PIPING	
1	20 sq. ft. 100 PSI Steel filter vessels	7
2	6" 3-way bronze backwash valves	7
3	6" 4 tank manifold set sch. 80 PVC	1
4	6" 3 tank manifold set sch. 80 PVC	1
5	6" Backwash sight glass flow control valve	2
6	6" electric actuated effluent valve	1
7	4" electric actuated rinse valve	2
8	4" grooved couplings	42
9	6" Tank isolation valves	14
	MEDIA AND CHEMICALS	
1	50X Garnet media (55 lb. bags)	256
2	60\80 Garnet media (55 lb. bags)	192
3	A410P Coagulant (600 lb. drum)	1
	CONTROLS AND INSTRUMENTATION	
1	Aquatic Intelligence Control System	1
2	Turbidimeter Panel	1
3	Solenoid valve assembly w/ J box	2
4	Pressure amplification pump	1
	CHEMICAL PUMPS AND MIXING	
1	Coagulant metering /pumping system	4
2	Static mixers	2
	SPARE EQUIPMENT	
1	Hach TU 5300 Laser Based Self-cleaning Turbidimeter	1
2	Hach sc1000 probe module controller	1

Prepared by:

# MEINERS OAKS WATER DISTRICT

## Wells 1 and 2 Treatment Plant

35% Design Materials and Equipment List

2/5/2020

### SUPPLIED BY OTHERS:

Item	Description	Qty
	MISCELLANEOUS SITE	
1	Fire Hydrant Assembly	1
2	Standby Chlorine Booster Pumps	2
3	Shower and Eyewash Station	1
4	Precast concrete catch basin	1
5	Diesel Genset	1
6	Electrical Breaker Panels and Automatic Trans. Switch	2
	BACKWASH RECYCLE SYSTEM	
1	5,000 Gal HDPE Tanks with anchorage hardware	4
2	1-1/2" Reduced Pressure Backflow Device	1
3	3-horsepower backwash supplement booster pump	1
4	1" flowmeter	1
5	1" flow control valve	1
6	1" check valve	1
7	1" ball valve	2
8	5-horsepower backwash reclaim booster pump	1
9	1-1/2" flowmeter	1
10	1-1/2" flow control valve	1
11	1-1/2" check valve	1
12	1-1/2" ball valve	2
	MISCELLANEOUS FILTER SYSTEM & BUILDING	
1	6" rubber expansion joint for wall penetrations	6
2	Electrical control panel	1
3	split unit air conditioner	1
4	sample station, sink, portable disposal tank	1
5	Hach chlorine, pH, temperature analysers	3
6	Badger 6" E-Series Ultrasonic Flow Meter (pending availability)	1

#### Notes:

The materials and equipment list above is for the purposes of preliminary planning only. The alternatives have not been developed beyond 35% preliminary engineering design. Actual materials and equipment to construct the project will be determined through the effort of the final design phase.

Prepared by:

Appendix D - COUNTY OF VENTURA, PLANNING DIVISION, ZONING CLEARANCE  
EXEMPTION





January 2020



**To: Board of Directors of the Meiners Oaks Water District**

**From: General Manager**

**Subject: Monthly Manager's Report**

**Highlights**

(Rainy season October thru April)

9.14" of rain Matilija Canyon

8.11" of rain Meiners Oaks Fire station

**LAKE CASITAS LEVEL**

**41.4%**

**Board Committees**

Executive Committee met on Monday, February 17, to discuss possible water damage to at 316 N. La Luna and pool company reports.



**Current Well levels and specific capacity**

Well 1	Jan	Feb	Well 2	Jan	Feb	Well 4	Jan	Feb	Well 7	Jan	Feb
Static	25.4'	30.1'	Static	26.5'	30.8'	Static	29.0'	'	Static	45.8'	47.5'
Running	29.7'	39.2'	Running	33.5'	59.4'	Running	73.9'	'	Running	48.2'	50.6'
Drawdown	4.5'	9.1'	Drawdown	7.0'	28.6'	Drawdown	29.2'	'	Drawdown	2.4'	3.1'
Specific Cap.	66.4 gal/ft	28.6 gal/ft	Specific Cap.	29.2 gal/ft	6.8 gal/ft	Specific Cap.	13.4 gal/ft	gal/ft	Specific Cap.	105.4 gal/ft	118.7 gal/ft

**Water Production**

Water pumped and sold values are based on a calendar year

**Total Pumped**

Total Pumped for Jan. 2020	23.65 AF
Total Pumped 2019:	609.61 AF
Total Pumped YTD 2020:	23.65 AF

**Total Sold/Purchased:**

Total Sold for Jan. 2020:	32.33 AF
Total Sold YTD 2020:	32.33AF
Total Sold 2019:	563.62 AF
<b>Total Purchased</b>	
Total Purchased from CMWD 2020	0.00 AF
Total Purchased YTD Jan	0.00 AF
Total Purchased YTD 2019	33.58 AF

**Total Capacity:**

1,600 Gallons per Minute (GPM) with all current wells on line 1, 2, 4, 7)

3,600 Gallons per minute (GPM) with all current wells on line 1, 2, 4, 7) + Casitas

**Water Sales:**

(Sales values are based on the actual month listed only not YTD)

Jan	2019:	\$ 39,093.14
Jan	2020:	\$ 40,319.54

**Reserve Funds**

Balance at the County of Ventura	\$ 1,363,274.29
Total Taxes*	\$ 1,989.48
Total Interest from reserve account#	\$ 4,065.37

**Fiscal Year Total Revenues**

July 1 <sup>st</sup> – Jan 31 <sup>st</sup>	2019	\$ 1,099,384.18
July 1 <sup>st</sup> – Jan 31 <sup>st</sup>	2020	\$ 1,071,637.12

**Bank Balances**

LAIF Balance	\$ 226,660.95
Transferred from L.A.I.F. to General	\$ 0.00
(#) Quarterly Interest from LAIF	\$ 1,294.60

Money Market (RABO)	\$ 7,617.94
Amount Transferred to Rabo from County this month	\$ 0.00
Amount Transferred to General Fund from Money Market	\$ 0.00
(*)Monthly Interest received from Money Market	\$ 1.02
General Fund Balance	\$ 219,458.26
Trust Fund Balance	\$ 16,055.93
Capital Improvement Fund	\$ 14,412.75
(#) Quarterly Interest from Capital Account	\$ .24
Total Interest accrued	\$ 1,295.86

### **Summary Update**

- 
- District O&M Report – Static well levels have begun to drop considerably due to the lack of rain in February.
- Well #2 gpm's had to be decreased due to the lack of rain in February and decreased river flows
- Well #4 repairs are apart of your agenda for approval
- 35% Engineering work on the new treatment plant is complete and apart of your agenda.
- Engineering is completed for the new water line across Hwy 33 to Meiners Rd, we are just waiting for State permitting.

### **Capital Improvement Projects for 2019-2020** **Budgeted capital funds \$ 637,000 FY 2019-2020**

1. Well 4 Development (In Process)
2. Engineer design report for the treatment plant (In process)
3. Replace 6 inch main for Zone 2 (In Permitting)
4. El Sol and Lomita Tie-in gg

January 2020

5. R1 and R2 well condition report
6. Automate Casitas connection at Fairview and Hwy 33
7. Two generator purchase and electrical panel upgrades (Complete)

### **Unscheduled Work**

<b><u>Type of Repair</u></b>	<b><u>Cause</u></b>	<b><u>Date</u></b>	<b><u>Leak Location</u></b>	<b><u>Contractor</u></b>	<b><u>Amount \$</u></b>
Main Leak	Edison	7/11	1450 S. Rice	Sam Hill/Staff	\$10,885.10
Main Leak	Poor bedding	7/14	Rice and Myer	Sam Hill/Staff	\$3,850.00
Service Leak	Edison	7/29	150 N. Encinal	Sam Hill	\$ 2,539.34
Valve replacement	Age	8/5	181 N. Encinal	Sam Hill	\$ 8,181.25
Main Leak	Pipe Settle	10/13	1878 Meiners Rd	Sam Hill/Staff	\$ 3,488.00
Main Leak	Poor Bedding	11/15	980 Oso Rd	Sam Hill/Staff	\$ 8,158.85
Main Leak	Crack	1/15/20	Tico/Lomita	Sam Hill/Staff	
				Total	\$ 37,102.54

### **Tanks**

1. 80k gallon bolted tank was installed in 1983 age = 37 (Zone -2)
2. 500k gallon bolted tank was installed in 1973 age = 47 (Put back into service 2011)
3. 500k gallon bolted tank was installed in 2003 age = 17
4. 750k gallon welded tank completed in 2015 age = 5

Life expectancy for a bolted tank is 30 – 40 years

Life expectancy for a welded steel tank 100 years

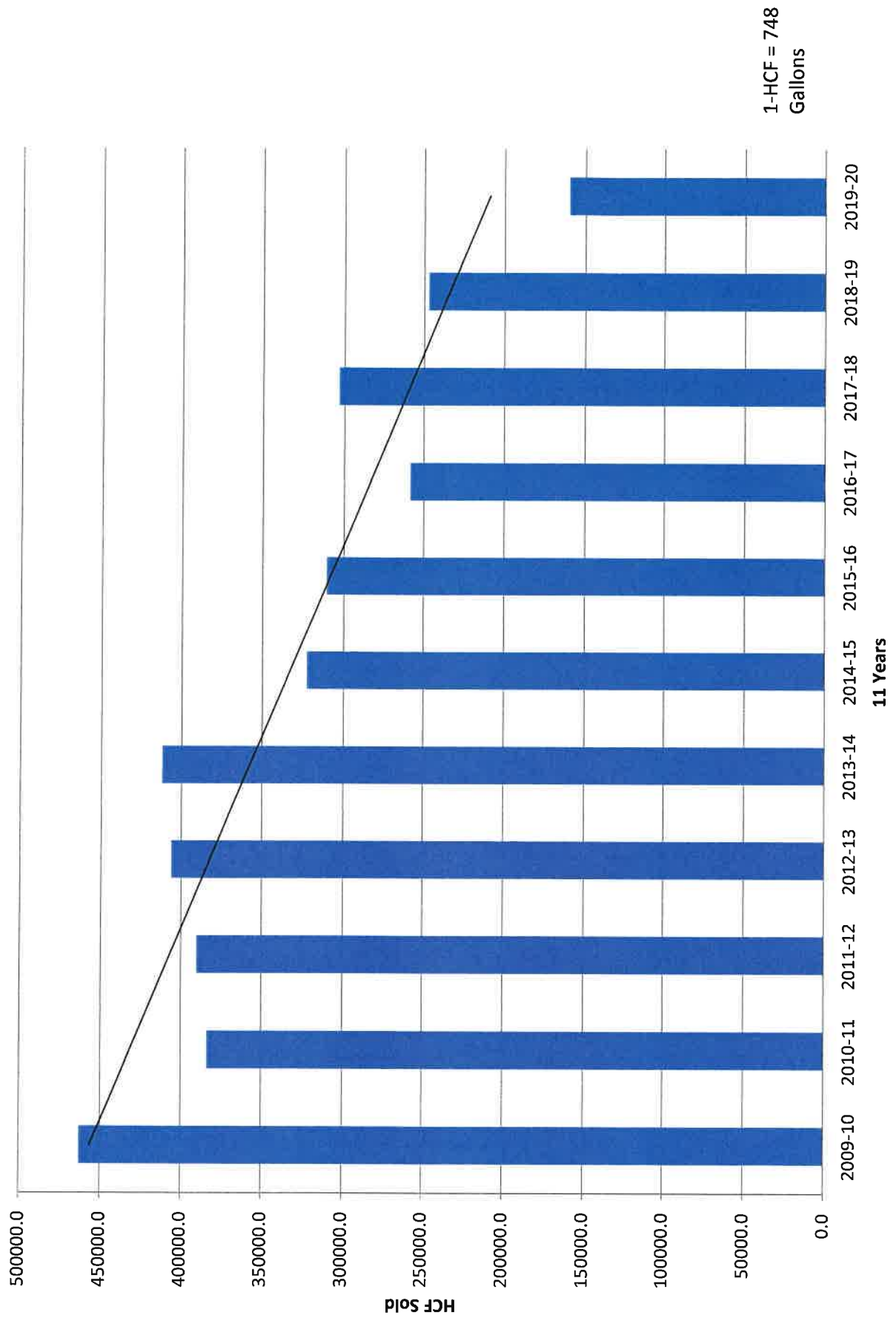
**Well Drilled Dates & Depths**

	<b><u>Date drilled</u></b>	<b><u>Drill Depth</u></b>
1. Well # 1	1969	65 feet Rehabilitated 2018
2. Well # 2	1969	110 feet Rehabilitated 2018
3. Well # 4	1969	240 feet (NON-OP.)
4. New well 4	2018	165 feet
5. Well # 7	1961	156 feet
6. Well # 8	1968	144 feet (NON-OP.)

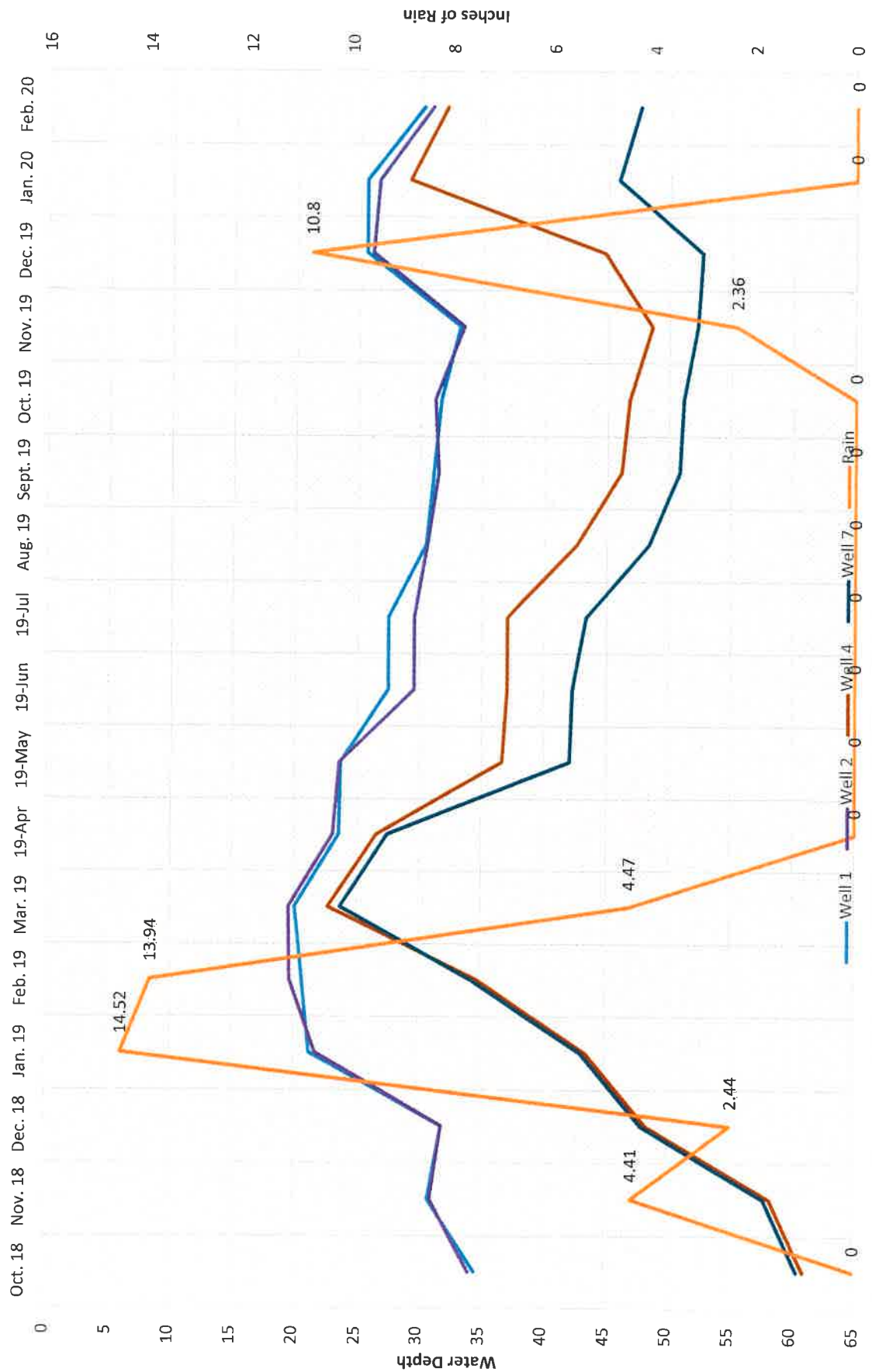
**Board of Directors**

President – Michel Etchart Re-elected in 2018	Term ends 2022	Long Term
Vice-President – James Kentosh Re-elected in 2018	Term ends 2022	Long Term
Board Member – Larry Harrold Re-elected in 2018	Term ends 2022	Long Term
Board Member – Michael Krumpschmidt Elected 2016	Term Ends 2020	Long Term
Board Member – Diana Engle Elected 2016	Term Ends 2020	Long Term

## Water Sales



## Static Well Levels and Rainfall



# GM Consumption Report

Billed Consumption for January 2020

Account Class	Customers in Class	Consumption	Gallons Per Unit	AC/FT
Agriculture	31	437	748	1.00
Commercial	55	1686	748	3.87
Residential	1188	11961	748	27.46

<b>Total Consumption</b>	<b>1274</b>	<b>14084</b>	<b>Grand total</b>	<b>32.33</b>
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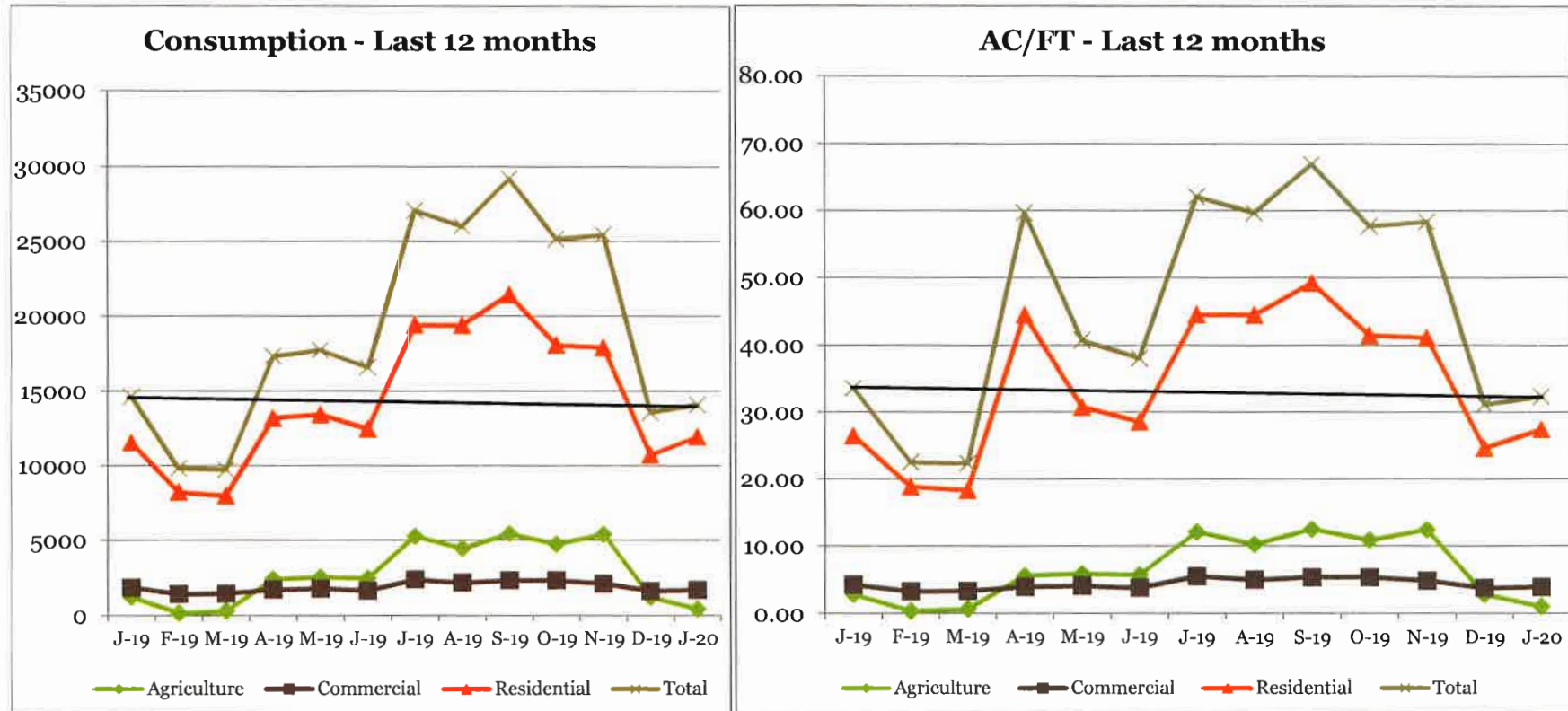


GM Report

AG	CONSUMPTION				AC/FT			
	2017	2018	2019	2020	2017	2018	2019	2020
JAN	605.00	3389.00	1212.00	437.00	1.39	7.78	2.78	1.00
FEB	195.00	4487.00	163.00		0.45	10.30	0.37	
MAR	1593.00	881.00	288.00		3.66	2.02	0.66	
APR	3436.00	3025.00	2415.00		7.89	6.94	5.54	
MAY	5258.00	5511.00	2541.00		12.13	12.65	5.83	
JUN	6523.00	4677.00	2470.00		14.97	10.74	5.67	
JUL	8401.00	6047.00	5261.00		19.29	13.88	12.08	
AUG	9793.00	6475.00	4447.00		22.48	14.86	10.21	
SEP	10336.00	4846.00	5425.00		23.73	11.12	12.75	
OCT	8686.00	3714.00	4726.00		19.94	8.53	10.85	
NOV	5893.00	3875.00	5401.00		13.53	8.90	12.40	
DEC	6606.00	681.00	1204.00		15.17	24.44	2.76	

COM	CONSUMPTION				AC/FT			
	2017	2018	2019	2020	2017	2018	2019	2020
JAN	1531.00	2179.00	1582.00	1686.00	3.51	5.00	4.25	3.87
FEB	1808.00	1750.00	1417.00		4.15	4.02	3.25	
MAR	1441.00	1433.00	1447.00		3.31	3.29	3.32	
APR	1534.00	1631.00	1712.00		3.52	3.74	3.93	
MAY	2037.00	2137.00	1775.00		4.68	4.91	4.07	
JUN	2148.00	2141.00	1640.00		4.93	4.92	3.76	
JUL	2409.00	2384.00	2384.00		5.53	5.47	5.47	
AUG	2590.00	2513.00	2165.00		5.95	5.77	4.97	
SEP	2202.00	2183.00	2324.00		5.06	5.01	5.34	
OCT	2221.00	2114.00	2326.00		5.10	4.85	5.34	
NOV	2484.00	2167.00	2098.00		5.70	4.97	4.82	
DEC	2159.00	1788.00	1624.00		4.96	4.10	3.73	

RES	CONSUMPTION				AC/FT			
	2017	2018	2019	2020	2017	2018	2019	2020
JAN	9145.00	14041.00	11567.00	11961.00	20.99	32.23	26.55	27.46
FEB	9934.00	14009.00	8243.00		22.81	32.16	18.92	
MAR	9012.00	9375.00	8000.00		20.69	21.52	18.37	
APR	10693.00	12018.00	13199.00		24.55	27.59	30.30	
MAY	16844.00	16387.00	13427.00		38.67	37.62	30.82	
JUN	17499.00	19252.00	12470.00		40.17	44.20	28.63	
JUL	19982.00	21976.00	19416.00		45.87	50.45	44.57	
AUG	21012.00	22974.00	19398.00		48.24	52.74	44.53	
SEP	21428.00	19943.00	21446.00		49.19	45.78	49.23	
OCT	19992.00	18079.00	18096.00		45.90	41.50	41.54	
NOV	17067.00	16304.00	17937.00		39.18	37.43	41.18	
DEC	17147.00	10645.00	10734.00		39.36	24.44	24.64	



Note: Previous report showed spike in January 2019, two factors contributed to high value: (1) Oso Rd. Leak 799 units (Res); (2) Meter Misread, corrected customer account and billing but the output report had not updated, erroneous 9,997 Res units removed from January Residential Consumption.