Regular Meeting February 21<sup>st</sup> 2017 6:00 p.m.



# NOTICE OF REGULAR MEETING OF BOARD OF DIRECTORS

February 21st, 2017

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.

# Agenda

### 1. Roll Call

# 2. Approval of Minutes

Approval of the minutes of the January 17<sup>th</sup>, 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.

<u>Please Note:</u> 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. General Managers Report

- Production and rainfall report
- District status due to flooding
- GSA Update see attached draft minutes

# 5. Board Committee Reports

 Drought Committee met on February 1, 2016 – Minutes are attached to the agenda packet

- 6. Old Business
  - New Water Sources To be discussed in Section 9 (c) of this agenda
  - Cozy Dell Trail title report icon explanation
- 7. Board of Directors Reports
- 8. Financial Matters
  - 1. Approval of Payroll and Payables from January 16<sup>th</sup>, 2017 to February 15<sup>th</sup>, 2017 in the amount of:

Payables -	\$ 62,145.08
Payroll -	\$ 28,334.89
Total -	\$ 90,479.87

- 9. Board Discussion and/or Action
  - a) Susan Moll property lines and easements
  - b) SDRMA Notification of Nominations 2017 Election SDRMA Board of Directors
  - c) New Water Source Evaluation of Groundwater Supply Opportunities Report from Bryan Bondy
  - d) Drought Committee discussion New allocation and rate program
- 10. 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

No closed session items to discuss

11. Meeting Adjournment.

Regular Meeting January 17th, 2016 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 6:05 p.m.

# 1. Roll Call

The meeting was called to order by the Board President James Kentosh at 6:00 pm at the District Office.

Present were: Board President James Kentosh, Board Vice-President Mike Krumpschmidt, Board Directors Larry Harrold, Diana Engle, and Mike Etchart. Staff Present: General Manager Mike Hollebrands and Board Secretary Stacey Gilbert. Attorney Lindsay Nielson was also present.

# 2. Approval of the minutes

Approval of the December 20<sup>th</sup>, 2016 Regular Meeting minutes:

Mr. Harrold made the motion to approve the December 20<sup>th</sup>, 2016 Regular Meeting minutes. Mr. Etchart seconded the motion.

Mr. Krumpschmidt mentioned that were several minor grammatical errors. Mr. Krumpschmidt will bring a corrected copy to February's meeting to be presented for formal correction and documentation.

Harrold/Etchart All Ayes M/S/C

# 3. Public Comments

Susan Moll – 2800 Maricopa Hwy – Asked a couple of questions

- 1) Ms. Moll had spoken with Mr. Hollebrands and our techs regarding boundaries and the fencing. She had asked for a survey but has not gotten any results yet. She wants to discuss the results from a survey that MOWD has and to resolve any issues that may be stemming from those surveys. Mr. Neilson suggests putting this item as an agenda item for the next meeting.
- 2) Ms. Moll also would like for all issues to be talked about with her. She is under the impression that at the moment there might be an issue due to an AG building she is constructing due to a complaint filed in the County of Ventura which resulted in the County of Ventura doing a thorough

inspection of her property. Ms. Moll was also informed about a water runoff issue that drains to our tank area, and she assured us that it had been taken care of. Ms. Moll has also requested to be added to next month's agenda to discuss easements and other issues.

Elizabeth Anne Von Gunten was present Wilma Foley was present

# 4. General Manager's Report

- State Water/Casitas MWD In the last Casitas Board meeting, the Board approved \$200,000.00 to help pursue State Water via Hwy 118; for funding the engineering and studies. Casitas is still moving forward with their deep water study as well
- Senior Housing Project on El Roblar Mr. Hollebrands attended the Planning Commissions meeting, and they approved the project subject to the developer's CUP and other requirements.
- Production Status We turned off the connection to Casitas as of January 15, 2017, and are now on our wells. It was requested by Ms.
   Engle and Mr. Krumpschmidt to do a lead analysis now that we are on our wells.

# 5. Board Committee Reports

 Drought Committee met on 12/10/17 – results of this meeting were discussed in Section 9 (b) of this agenda

# 6. Old Business

- New water source nothing new to report. MOWD is going to wait to see what the result is from Casitas' source. We also have a summary report coming from Brian Bondy that will be presented at the next board meeting.
- Cozy Dell Trail Property title report tabled until next meeting

# 7. Board of Directors Reports

- Mr. Harrold had nothing to report.
- Mr. Etchart had nothing to report.
- Ms. Engle reported on a workshop that is on January 18<sup>th</sup>, held by the State Water Resources Control Board that pertains to Urban Water Conservation and it will cover proposals for the state water standards.
- Mr. Krumpschmidt has a couple of things
  - Received an email from the County of Ventura about Form 700 needing to be filed for the year, and asked if anyone else got the email. Mr. Etchart confirmed he got the same email.

Received an email from Ms. Gilbert regarding nominating Mr.
Hollebrands for District Manager of the Year, that is awarded by
VCSDA. Mr. Krumpschmidt is going to take this opportunity to
recognize Mr. Hollebrands by nominating him officially.

Mr. Kentosh reported that he is on the board again for the next year with the AWA. Mr. Kentosh also wanted to let the board know that Casitas has done their Alternative Projects Study for Weather scenarios of the drought contingencies which is on their website.

# 8. Financial Matters

Approval of Payroll and Payables from December 16<sup>th</sup>, 2016 to January 15th, 2017 in the amount of:

Payables -	\$ 54,716.80
Payroli -	\$ 29,780.85
Total -	\$ 84,497.65

Mr. Harrold made the motion to pay the monthly expenses. Mr. Etchart seconded the motion.

Discussion: Mr. Kentosh asked about the audit. Mr. Hollebrands reported it is still being worked on due to Gatsby68 reports that we are still having a hard time acquiring. Mr. Kentosh asked about the Evans Excavating bill for the mainline leak and where the leak was. Mr. Hollebrands explained the details.

Harrold/Etchart All Ayes M/S/C

# 9. Board Discussion and/or Action

- a) Election of Board officers President and Vice-President -
  - 1) Mr. Harrold made the motion to nominate James Kentosh as Board President for the ensuing year. Mr. Krumpschmidt seconded the motion.

Harrold/Krumpschmidt

All Ayes

M/S/C

2) Mr. Etchart made the motion to nominate Mike Krumpschmidt as Board Vice President for the ensuing year. Mr. Harrold seconded the motion.

Etchart/Harrold

All Ayes

M/S/C

b) Presentation on MOWD and Casitas MWD Allocations (Jim) – Mr. Kentosh gave a slide show of a study he did that compares our

allocation program with Casitas' WEAP. The Drought Committee has been talking a great deal about the allocation program and ways to improve it. Mr. Kentosh explained how our allocation program works and what it is based on and that we treat all accounts the same whether it is agriculture, commercial or residential. In 2014 we considered doing a "Tiered Rate Structure," but it was decided to go with our current allocation program. Casitas' WEAP stands for Water Efficiency and Allocation Program which was adopted in June 2015 which is why our program is so different. Casitas is in the process of revising their WEAP while taking into consideration any of the new State regulations that come along. The way the WEAP works is, the allocation is divided into two parts; 1) everyone gets 120 units a year for health and safety within the house plus you get an allowance for an irrigable area. The maximum irrigable area for residential is 2 acres, and there is a provision for mobile home parks and apartments of 84 units a year. 2) For outside irrigation, they have allowed for the first 5000 sqft of the irrigable area they get 15gal per soft, for the next 10,000 soft of the irrigable area they get 10 gallons per sqft of water and up to 2 acres they will get 3 gallons per sqft of water. If there is over 2 acres, there is no additional allocation of water. To figure all this information, it took a year of assessing aerial pictures and measuring. Commercial allocations are based on historical usage from 2013. Agricultural has a maximum amount per acre. Casitas has a waiver program as well. Residential allocations are not affected during the stages of the drought as of yet. However, agriculture and commercial customers have their allocations reduced just like we do at each stage of the drought.

Mr. Kentosh then wanted to present how our allocation differs from the WEAP. To calculate the WEAP allocations for our customers, Mr. Kentosh selected accounts with consistent demands over a 3 year period and took the criteria of the WEAP to see how it would affect those accounts' water allocations and to see how that differs from what we are currently doing. It was determined that with our lower 1/3 water users and our middle 1/3 water users WEAP allocations were a lot higher or more generous than our allocation. However, with our highest 1/3 water users, the WEAP allocations were substantially lower than our allocation. Mr. Kentosh's preliminary conclusion is that the Casitas WEAP is generous for the low to average water customers. The Casitas WEAP is less generous than most of our higher historical allocations. Basing allocations on historical water users like we have done, protects possible water wasters. With our present method, too many lower water users pay too many water penalties for summertime water use. In all, it appears that if we went with the WEAP, we would be allocating more water than we have to provide.

After much discussion, it was determined to look into the WEAP and our allocation program and to come up with a "hybrid" approach based on the actual water use, and that addresses the larger water users. This

- topic will go back to the Drought Committee to further decipher the best course of action as well as be fair and accountable.
- c) Discussion of possible comments to DWR on OBGMA Alternative Plan Ms. Engle poses the question of whether the GSA is going to discuss this Alternative plan. Mr. Krumpschmidt stated that it is on the agenda for the next GSA meeting. The only things that Mr. Krumpschmidt has heard are that one of the Board members of the GSA is in favor of the plan but sees some flaws otherwise there has been no chatter about this. After much discussion, it was determined that we are going to wait to do anything about until after the GSA meeting. It was also decided to set up an AD-HOC Committee to write a letter to bring back to the board for approval.
- d) Andrea Gleystein pending owner of 401 Walbridge Way is requesting adjacent properties be served by different meters. There are two 5 acre parcels owned by the same person. However, the problem is that for many years the current owner has been watering both parcels with the 2-inch meter that is attached to the parcel Ms. Gleystein is interested in purchasing. On the other parcel, there is a house that is serviced by a 1-inch meter. She is requesting a possible adjustment to the meters and the allocations to accommodate each parcel separately. After much discussion it was decided to do the following in a letter for close of escrow purposes:
  - 1) Eliminate the single two inch meter located next to 202 S. La Luna that is currently serving both parcels excluding the house at 401 Walbridge Way.
  - 2) Remove the 5/8"x 3/4" meter currently serving the house at 401 Walbridge Way.
  - 3) Provide 1 inch and a half meter for parcel 017-0-180-390 which includes 401 Walbridge way.
  - 4) Provide 1 inch and a half meter for parcel known as 017-0-180-570
  - 5) Take the historical base allocations, combine them and then subsequently divide that in half between the two parcels.
  - 6) The homeowner pays for all the work to be done.

    Ms. Engle made the motion to approve the request by Andrea
    Gleystein with the set stipulations included as discussed. Mr.
    Etchart seconded the motion.
    Engle/Etchart
    All Ayes
- e) UVRGSA discussions and items needing Board input and licensing:
  - GSA meeting summary See attached draft minutes (Mike K and Mike H) – Mr. Hollebrands summarized a little bit about the meeting and the minutes
  - 2) Discussion and approval of additional \$10,000.00 from each member agency for payables through June 30, 2017 Mr. Etchart made the motion to approve an additional \$10,000 for payables through June 30, 2017. Mr. Krumpschmidt seconded the motion.

M/S/C

Etchart/Krumpschmidt 4 Ayes/1 Nay M/S/C

- 3) Mr. Hollebrands reported that a meeting schedule had been set for the first Wednesday of every month at 3 pm at a location to be set. However, the time may change depending on the location and availability.
- 4) Discussion of Stakeholder preferences (Please read the Attached List and backgrounds) of our options and develop consensus who would be preferable 1<sup>st</sup> and 2<sup>nd</sup> choices. Nominees for the Agricultural Stakeholder seat were presented to the Board. Mr. Etchart and Mr. Harrold both feel that Ms. Ayala would be the best choice for she has the best background in dealing with agricultural issues. It was decided after much discussion that the Board strongly encourages Mr. Krumpschmidt to vote for Ms. Ayala and to go with the second choice of Mr. Gramkow. Nominees for the Environmental Stakeholder seat were presented to the Board. After much discussion over the nominees, the Board strongly encourages Mr. Krumpschmidt to vote for Mr. Rose without an option for a second choice from the other nominees
- 5) Board authorization for voting licensing on most topics keeping the best interests of the District in mind. Mr. Krumpschmidt explained the necessity of this, and it was agreed by the Board to allow Mr. Krumpschmidt and Mr. Hollebrands to vote together for the best interest of the district.

Meeting went into recess at 9:50 pm to 10:00 pm Meeting was reconvened at 10:00 pm for closed session

- 10. 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 Section 54957 & 54956.8, 54956.9 and 54957
  - a) Conference with legal counsel concerning possible litigation Government Code Section (54956.9) 2680 Maricopa Hwy

# 11. Meeting Adjournment

There being no further business to conduct at this time, Board President James Kentosh adjourned the meeting at 10:17 PM.

Jan	nes Ken	tosh ac	ijourned	I the me	eting at	10:17 P	M.
			Preside	ent		·	······································

Secretary



To: Board of Directors of the Meiners Oaks Water District

From: General Manager

Subject: Monthly Manager's Report

# **Highlights**

(Rainy season October thru April)

22.09" of rain

# **LAKE CASITAS LEVEL**

36.5%

# **Board Committees**

The Drought Committee met on February 1, 2017; please see minutes in the agenda.

GSA meeting was held on February 9<sup>th</sup>. See the UVRGSA website for the minutes.

# Current Well levels and specific capacity

Well 1	Jan.	Feb.	Well 2	Jan.	Feb.	Well 4	Jan.	Feb.	Well 7	Jan.	Feb.
Static	21.9'	18.7'	Static	21.0'	18.8'	Static	66.6'	19.1'	Static	66.1'	18.6'
Running	26.6'	23.4'	Running	22.7	22.8	Running	48.6'	27.4	Running	39.2'	22.4
Drawdown	7.3	4.7'	Drawdown	3.8'	4.0'	Drawdown	12.6'	8.3'	Drawdown	39.2'	3.8'
Specific Cap.	45.9 gal/ft	73.1 gal/ft	Specific Cap.	56.8 gal/ft	72.7 gal/ft	Specific Cap.	45.9 gal/ft	74.3 gal/ft	Specific Cap.	83.0 gal/ft	85.5 gal/ft

Water Production
Water production and sold values are based on a calendar year

Total Pumped in Ja	anuary:		
Wells	AF	Average GPM	Typical GPM
1.	1.33	351	375
2.	.83	216	250
4.	1.72	579	750
7.	.99	299	450
8.	0.00	Off	330

Total Pumped for January	28.78 AF
Total Pumped 2016:	305.45 AF
Total Pumped YTD 2017:	28.78 AF

# **Total Sold:**

Total Sold for January 2016:	25.90 AF
Total Sold YTD 2017:	25.90 AF
Total Sold 2017:	25.90 AF
Total Purchased from CMWD 2016	323.91 AF
Total Purchased for January	23.91 AF
Total Purchased YTD 2017	23.91AF

# **Total Capacity:**

2083 Gallons per Minute (Gpm) with all current wells on line 1, 2, 4, 7, 8) 3,583 Gallons per minute (Gpm) with all current wells on line 1, 2, 4, 7, 8) + Casitas

# Water Sales:

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

January	2016:	\$ 48,533.88
January	2017:	<u>\$ 39,646.27</u>

# **Reserve Funds**

Balance at the County of Ventura	\$ 972,239.19
Total Taxes*	\$ 1,359.20
Total Interest from reserve account#	\$ 0.00

# Fiscal Year Total Revenues

July 1 <sup>st</sup> - Jan. 31 <sup>st</sup> 2016	\$ 792,867.24
July 1st - Jan. 31st 2017	\$ 816,752.47

# **Bank Balances**

\$ 8.87
\$ 8.87
\$ 398,193.03
\$ 0.00
\$ 0.00
\$ 69.80
\$ 254,277.02
\$ 13,502.35
\$ 14,404.11
ቀ ጋር
\$.25
\$ 78.92

# **Water Quality**

No water quality issues to report this month

# Capital Improvement Projects for 2015-2016 Budgeted capital funds \$ 1,759,949.30 FY 2015-2016

- 1. Continue with tank replacement project (Completed)
- 2. Acquire scope of work for bid on new well (Completed)

# **Unscheduled Work**

Warfhead replacement and new hydrant valve S. Poli	\$ 3,259.53
Hydrant replacement at Fernando and N. Encinal	\$ 1,500.00
Main Leak on S. Padre Juan	\$ 3,000.00
Service repair S. Pueblo	\$ 1,000.00
Service repair Mesa	\$ 1,000.00
Valve replacement Encinal/El Conejo	\$ 1,000.00
Valve replacement Fernando/N. La Luna	\$ 2,000.00
Fire hydrant replacement S. La Luna	\$ 4,126.09
This item has been reimbursed by the company that hit it	\$ - 4,126.09
Main Leak 110 Besant Rd	\$ 2,000.00
Paving	\$ 6,000.00
Move wharf-head at Encinal and El Roblar	\$ 4,000.00
Paving for street repairs	\$ 4,300.00
Main Leak El Roblar and N. Pueblo	\$ 4,318.00
Total	\$ 33,377.53

# **On-going Items**

# Production

Wells have been pumping since January with up to 30 foot gains in static well levels!

# Conservation

# Santa Barbara Channel Keeper vs. City of Ventura

No news to report on this subject this month.

# **GSA**

The GSA meetings will take place on the second Thursday of each month. The next meeting will take place on March 9<sup>th</sup>, 2017 at Casitas MWD board room at 1 pm. With the first public hearing scheduled to held on the same day at 6:30 pm at the Oak View Community Center.

### Tanks

- 1. 250k gallon was installed in 1958 age = 57 (Removed 2015)
- 2. 80k gallon was installed in 1983 age = 32
- 3. 500k gallon was installed in 1988 age = 27 (Removed 2015)
- 4. 500k gallon was installed in 1973 age = 42 (Put back into service 2011)
- 5. 500k gallon was installed in 2003 age = 12
- 6. 750k gallon welded tank 2015 age = 1

Life expectancy for a bolted tank is 30 - 40 years

# Well Drilled Dates & Depths

	Date drilled	<b>Drill Depth</b>
1. Well # 1	1969	60 feet
2. Well # 2	1969	116 feet
3. Well # 4	1969	240 feet
4. Well # 7	1961	156 feet
5. Well # 8	1968	144 feet

# New Items

# Board discussion items for this month

# **Board of Directors**

President – Jim Kentosh Elected in 2014	Term ends 2018	Long Term
Vice-President – Mike Krumpschmidt Elected 2014	Term ends 2020	Long Term
Board Member – Larry Harrold Elected 2014	Term ends 2018	Long Term
Board Member – Michael Etchart Elected 2014	Term Ends 2018	Long Term
Board Member – Diana Engle Elected 2016	Term Ends 2020	Long Term

# UPPER VENTURA RIVER GROUNDWATER AGENCY MINUTES OF REGULAR MEETING February 1, 2017

Directors present were: Jeff Pratt, Mike Krumpschmidt, Shana Epstein, Bruce Kuebler, Mary Bergen, lArry Rose, and Emily Ayala. Also present were: Interim Executive Director Jennifer Tribo and Attorney Jena Acos.

- 1) CALL TO ORDER- Acting Chairperson Mary Bergen called the meeting to order at 3:05 P.M.
- 2) PLEDGE OF ALLEGIANCE Led by Mary Bergen.
- PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA No public comments were received.
- 4) a. Review and Approve Minutes from January 5, 2017 meeting There were no comments provided.

Bruce Kuebler moved to approve the January 5, 2017 meeting minutes. Seconded by Jeff Pratt.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein. Nos: none, Abstentions: none.

4) b. Determine Member Director Terms – Jennifer Tribo summarized the staff report. The member directors drew straws to determine which three directors would serve initial terms of three years. Directors Pratt, Epstein, and Krumpschmidt selected the straws with three year terms. The Board of Directors Upper Ventura River Groundwater Agnecy Resolution No. 2017-1 was updated to state that Directors Pratt, Epstein, and Krumpschmidt will serve an initial term of three years.

Bruce Kuebler moved to approve the resolution with Directors Pratt, Epstein, and Krumpschmidt serving initial three year terms. Seconded by Mary Bergen.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein. Nos: none, Abstentions: none.

**4) c. Appoint Environmental Stakeholder Director** – Jennifer Tribo summarized the staff report and Director Kuebler provided a summary of the interviews and the committee's decision to recommend Larry Rose as the Environmental Stakeholder Director. Director Pratt asked Mr. Rose to provide the Board with his answers to some of the interview questions.

Jeff Pratt moved to approve the interview committee's recommendation to appoint Larry Rose as the Environmental Stakeholder Director. Seconded by Mike Krumpschmidt.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein. Nos: none, Abstentions: none.

4) d. Appoint Agricultural Stakeholder Director - Jennifer Tribo summarized the staff report and Director Epstein provided a summary of the interviews and the committee's decision to recommend Emily Ayala as the Agricultural Stakeholder Director. Director Bergen commented that she agreed with the committee's recommendation as she has know Ms. Ayala for a long time and recognizes her as a prominent member of the agruicultural community.

Jeff Pratt moved to approve the interview committee's recommendation to appoint Emily Ayala as the Agricultural Stakeholder Director. Seconded by Mary Bergen.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein. Nos: none, Abstentions: none.

**4) e. Appointment of Officers** – Jennifer Tribo summarized the staff report and opened the floor for officer nominations.

Mike Krumpschmidt moved to elect Bruce Kuebler as the chair. Seconded by Mary Bergen.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein, Larry Rose, Emily Ayala. Nos: none, Abstentions: none.

Mike Krumpschmidt moved to elect Mary Bergen as the vice chair. Seconded by Jeff Pratt.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein, Larry Rose, Emily Ayala. Nos: none, Abstentions: none.

Shana Epstein moved to elect Mike Krumpschmidt as the vice chair. Seconded by Bruce Kuebler.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein, Larry Rose, Emily Ayala. Nos: none, Abstentions: none.

4) f. Discussion re Options for Appointing Treasurer and Auditor – Jennifer Tribo summarized the staff report and Jena Acos provided additional details on the duties of the treasurer and auditor and the options for appointing a treasurer and auditor for the Agency. After discussion, the directors instructed staff to provide additional information on option 1) appointing the treasurer of one of the member agencies and 4) appointing an officer or employee of the agency. Specifically, the directors would like additional information on Ventura County of the City of Ventura providing the treasurer/auditor and the possibility of Cece VanDerMeer (the OBGMA treasurer) being hired as the Agency's treasurer.

Staff will investigate options 1 and 4 and bring this item back for discussion at the March board meeting.

4) g. Adoption of Meeting Location and Regular Meeting Schedule- Jennifer Tribo summarized the staff report and reviewed the availability and facilities at each meeting location option. Emily Ayala stated that she would like to keep the meeting in the valley by meeting either in the City of Ojai council chambers or the Casitas board room. Bruce Kuebler added that the Ojai council chambers have only been offered on the first Thursday of the month and a fee may be required in the future. Mike Krumpshmidt added that the majority of users are in the City of Ventura.

Russ Baggerly added a public comment that the Casitas board room is moving upstairs in the near future which would allow for evening meetings and video recording.

Shana Epstein moved that regular meetings be held in the Casitas Municipal Water District Board Room with a special meeting at the City of Ventura at least once per year. Seconded by Jeff Pratt.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein, Larry Rose, Emily Ayala. Nos: none, Abstentions: none.

Mary Bergen moved that regular meetings take place on the second Thursday of the month from 1-4pm. Seconded by Jeff Pratt.

Ayes: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein, Larry Rose, Emily Ayala. Nos: none, Abstentions: none.

4) h. Public Hearing to Serve as the Groundwater Sustainability Agency ("GSA") Jennifer Tribo summarized the staff report. Jena Acos added that if the Agency does not form the GSA, then the County would be the backstop or the State would step in after June 30, 2017. The Agency's request to DWR to be the GSA must include a list of beneficial uses and users. This list should be prepared ahead of the hearing if the Directors would like to receive public comment on the beneficial uses and users. Diana Engle provided a public comment that the hearing should be held in the evening. The Directors discussed that the hearing should be noticed in both the Ventura County Star and the Ojai Valley News. Bruce Kuebler moved that the hearing be held at 6:30 pm at the Oak View Community Center during the first two weeks of March 2017. Mike Krumpschmidt seconded. Aves: Bruce Kuebler, Mary Bergen, Jeff Pratt, Mike Krumpschmidt, Shana Epstein, Larry Rose, Emily Ayala. Nos: none, Abstentions: none. 5) ADJOURNMENT - The meeting was adjourned at 4:45 pm and agenda items 4i through 6 were continued to a special meeting scheduled for Thursday February 9, 2017 at 1:00pm in the Casitas Municipal Water District board room. Attested:

Bruce Kuebler, Chair

Mary Bergen, Vice Chair



## MEINERS OAKS WATER DISTRICT

February 15, 2017

# Minutes of MOWD Drought Committee Meeting

Committee Drought Committee

**Meeting Date** February 1, at 10:00 AM at the District's office

Attendance Mike Hollebrands – General Manager

Diane Engle – Director Jim Kentosh – President General public – none

**Topics** Potential new allocation and rate program

The focus of the meeting was to discuss the problems, if any, that we are trying to solve with a revised allocation/rate structure. We discussed the following:

### 1) Commercial not conserving

Mike H noted that our commercial customers are not reducing their water use as much as residential customers. We could use some additional incentive for them to conserve.

### 2) Satisfy draft MOU – WEAP

Our draft MOU with Casitas MWD says that the Parties agree "to implement *measures* equivalent to or more stringent than the Casitas WEAP to provide equity, consistency and effectiveness in meeting demand reduction goals in Parties' respective service areas." The wording in italics was what we suggested adding, because we thought our historical approach was more stringent than the WEAP.

However, a case study comparing our allocations with the WEAP showed that our method is more generous than the WEAP for many of our higher water users. To satisfy the MOU we hope to sign, should we amend our allocation/rate program to better match what we're agreeing to do?

### 3) People already conserving are paying a penalty

It appears that even some of our lowest water users are paying the conservation penalty when they use more water in the summer. Since using more water in the summertime, when plants need it most, is not a waste of water, should we adjust our program so that

our lowest water users don't pay a penalty? Perhaps our program should focus instead on the highest water users.

# 4) Outdoor waste continues

Mike H notes that some waste of water used outdoors is continuing. We need to increase incentives to conserve.

## 5) Indoor waste continues

Similarly, some waste of water used inside the home is continuing. We need to increase incentives to conserve.

# 6) How do we incorporate the \$5 over-allocation fee?

Casitas MWD has increased their over-allocation fee (conservation penalty) from \$1 to \$5 per unit. When it was only \$1, we treated it as an incentive, rather than a penalty. Now that it is \$5 and likely to go higher, we should treat it as a penalty. As a "penalty," it should be limited to those customers who are using too much water. If over 2/3 of our customers are paying the penalty at some point, then it's really not a penalty, it's a tiered rate.

# 7) How do we limit water use in advanced drought stages?

This is a difficult philosophical issue. Unless we can put people in jail, cut off their water, or publicly shame them, the only way to force people to use less is to impose financial incentives or penalties. What can we do if they just pay the fines and don't cut back?

### 8) Current allocation scheme not valid for the long term

Because our current allocations are based on 2010-12 averages, they may not hold up over the long-term, as property ownerships and water use practices change. The thought is that we should have an allocation program, like the WEAP, that is less dependent on the vagaries of past water use.

# 9) We lack sufficient incentives for conservation

Our allocation/rate program should allow for more stringent measures to encourage conservation if that becomes necessary.

# 10) Lack of a definition of agricultural customers

We need to define an agricultural customer for the purpose of our allocation/rate program. Should we treat a 1-acre residential lot with an orchard as agriculture? We need some kind of criteria. We formerly used a 2-acre limit for Ag meters, but should update our policy for the sake of clarity.

### Tentative Allocation/Rate Scenario

We discussed a tentative allocation/rate scenario for further discussion with the board, as summarized on the following pages.

# Summary of Potential MOWD Allocation/Rate Scenario

MOWD would not adopt Casitas MWD's WEAP; instead we would adopt our own Allocation/Rate Program in the next fiscal year based partly on the WEAP, as follows:

1) Assign new customer "baseline allocations" using features of the Casitas WEAP:

An "essential portion" of 10 units per month per residence (7 units/mo for 2nd homes, mobile homes, apartments, etc.)

A "non-essential portion" based on irrigable area of the property.

There is a 2 acre limit on irrigation allocation for residences.

Most commercial and agricultural baseline allocations would not change.

Some Ag allocations would be reduced if they used more than 2.5 AF/acre-yr.

Ag use would be considered to be "non-essential."

Commercial meters would be assigned 10 units/month as their "essential portion."

We must hire someone to calculate our customers' allocations.

2) Reduced allocations during drought stages:

The essential portion of the baseline allocation (10 units/month) would not be reduced.

The non-essential portion would be reduced 30% in Stage 3, 40% in Stage 4, etc.

We would follow Casitas MWD's lead on drought measures, as appropriate.

3) Seasonal variations of water use would be allowed:

Residences would be allowed higher water use in the summer using a given formula.

Commercial/agriculture would manage their own seasonal use.

Water use exceeding monthly or annual limits would be subject to a Conservation Penalty.

4) New rate classes: (Examples only – actual rates will depend on next year's budget)

_	Essential water use	\$2.00/unit	(lower than present rate)
	Non-essential water use	\$3.00/unit	(higher than present rate)
	Conservation penalty		·
	When MOWD wells operational	\$2.50/unit	(additional charge)
	When taking Casitas water	\$5.00/unit*	(additional charge)
	Meters with annual allocations	pro-rata	(additional charge)

These rate classes will be based on the cost of delivering water – see a later page.

- (\* This would match Casitas MWD's penalty then in effect.)
- 5) We would need to continue our waiver program.

We would add criteria to be consistent with the WEAP.

Few, if any, changes would be needed to the waivers we've already heard.

# **MOWD** Annual Base Allocations

MOWD's Base Allocations represent a reasonable amount of water use in the absence of drought conditions. Base Allocations are derived from elements of Casitas MWD's WEAP.

### Residential meters:

Each meter will be assigned a base allocation that includes an "essential portion" and an "irrigation portion."

Essential portion: Each customer will receive a monthly allocation for essential water use:

Single family homes 10 units/month

Multiple-family dwelling units 7 units/month per dwelling unit Mobile home parks 7 units/month per mobile home

Granny flats and second homes under 2,000 SF 7 units/month Second/additional homes over 2,000 SF 10 units/month

Irrigation portion: Each customer will receive an annual allocation based on square footage (SF) of irrigable area up to 2 acres, calculated as follows:

First 5,000 SF 15 gallons per SF Next 10,000 SF 10 gallons per SF Next 71,684 SF 3 gallons per SF

Over 86,684 SF total No additional allocation

Irrigable Area: Each residential customer's annual irrigation water allocation shall be based on an irrigable area calculated as follows: From the total area of the customer's parcel(s) served by a meter, subtract out the areas of permanent facilities such as houses, garages, carports, patios, brickwork, sheds, driveways, sidewalks, horse corrals, pools, fountains, gravel parking areas, etc.

Irrigable area shall be limited to the contiguous lots of a single owner.

# Commercial and Agricultural Meters:

Annual baseline allocations for these meters shall be based on the average annual historical demand from 2010 through 2012. Agricultural meters will not be assigned an essential portion. Commercial meters will be assigned an essential portion of 10 units/month. Their annual non-essential use will be their historical usage less 120 units/yr.

Regardless of historical use, agricultural baseline allocations shall not exceed 2.5 AF/acre of applied water per year. To qualify for an Ag meter, a customer must irrigate 2 or more acres.

**Future second dwellings:** An additional allocation of 7 units/month would be partly offset by reducing the irrigable area, taken from the first 5,000 SF of irrigated area.

# **Reduced Allocations During Droughts**

During declared droughts, each customer will be assigned a reduced allocation based on his/her baseline allocation, as follows:

**Reductions During Drought Stages** 

Sta	age	1	2	3	4	5
Redu	ction	None*	20%	30%	40%	50%

<sup>\*</sup> Voluntary 20% reductions in effect.

These reductions will be subject to any drought-related adjustments made by Casitas MWD.

### Residential

The essential portion of baseline allocations will normally not be reduced during a drought. The irrigation portion will be reduced during various drought stages as provided in the table.

### **Commercial Customers**

The essential portion of their baseline allocations (10 units/month) will normally not be reduced during a drought. The remainder of their allocation – based on historical use – is considered to be non-essential and will be reduced during various drought stages as provided in the table.

# **Agricultural Customers**

All agricultural water use is considered to be non-essential for the purpose of this allocation/rate program. (We concede that growing food is essential, but utilize the term here only as a classification within the Casitas MWD WEAP.) To calculate reduced allocations during drought stages, total baseline allocations will be reduced in accordance with the table.

# Allowance for Seasonal Variations in Customers' Demands

### Residential Water Use

The essential portion of residential allocations shall be taken at a uniform rate each month, as assigned. Since the water is intended to be used inside the home, no increased use in the summertime is necessary. No carryover amount will be allowed from month to month.

The irrigation portion of residential reduced allocations will be distributed among months to allow varying seasonal water use, as follows:

Monthly Irrigation Allowance – Percentage of Irrigation Portion of Reduced Allocation

							_					
Month	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
% of Annu Irrigation Allocation	17	17	13	5	5	5	2	2	2	10	10	12

Monthly water use exceeding the sum of the essential portion and the seasonal monthly irrigation allowance will be subject to the conservation penalty.

## Commercial and Agricultural Customers

Commercial and agricultural customers will be responsible for managing their own seasonal variations in water use, and for staying within their annual limit. They will be provided with a reduced allocation each year based on the drought stage then in effect. For this purpose a year will begin on July 1 and end on June 30 of the following year. Once a customer's cumulative usage exceed his/her reduced allocation for that year, all subsequent water use during that year shall be subject to the Conservation Penalty. This cycle will be restarted each July 1.

Commercial and Agricultural customers will be billed for their Conservation Penalty in the July or August following the July 1 – June 30 allocation period. These customers will be advised of their cumulative usage during the year to assist them with managing their use.

# Financial Justification for Higher Rates for Non-Essential Water Use

Our proposed allocation/rate structure will assign higher rates for non-essential uses of water, than for essential uses of water. This is easy to justify for economic reasons:

Essential uses of water primarily occur within the home or business, and include drinking, food preparation, dish washing, bathing, flushing toilets, laundry and similar activities. These water uses do not vary substantially throughout the year. It is more efficient, and less costly, for MOWD to deliver water at a constant rate throughout the year.

Irrigation, on the other hand, is the primary non-essential water use within MOWD, both for residences and agriculture. Irrigation requires more water in a few summer months than during the rest of the year. On a unit basis, it is more costly to construct and operate facilities that are used at capacity only a few months of the year.

For example, the essential water use for the 1250 homes (10 units per month each) and 512 secondary dwellings (7 units per month each) within MOWD can be supplied by a mean flow of 275 gpm throughout the year. Supplying that same annual amount of water to agriculture or to landscaping would require a mean flow of 560 gpm during the peak month of August. More flow means more well capacity, larger pipelines, and even more daily-regulation tank storage. Overall, it is more costly to supply irrigation/agricultural water on peak than to supply essential water uses that vary little throughout the year.

This is why we would be justified in charging a rate for non-essential water uses that is up to 2.04 times the rate for essential water uses, based on the seasonal variations in demands experienced in our area.

Our historical trends show that even commercial customers have demands that vary throughout the year. They are irrigating landscaping like residential customers.

### **Economic Justice Issues**

A guiding principle in our Drought Contingency Plan is that

"Water is a necessity of life and we should ensure that those who can most afford it do not take essential water away from those less able to afford it."

The question is, can we utilize elements of the Casitas WEAP and implement a rate structure that better satisfies this principle?

Perhaps the most important element of the WEAP is that is creates a privileged class of water use: "essential uses". Each primary residence would receive the same 10 units of water per month for that type of use. A small house on a 1/6 acre parcel would receive the same essential allocation as a 6,000 square-foot mansion on 5 acres.

Under our current allocation method, small water users, whose water use is already going for essential uses, are squeezed down further in a drought – down to 7.5 units/month in Stage 5. While larger water users can reduce their irrigation to sustain essential uses, smaller water users don't have that option. Under the WEAP, essential uses of water are not reduced during drought stages. This provision helps everyone, but primarily the smaller customers, compared to our current method.

Unlike essential uses of water, non-essential uses would be reduced during drought stages. Those with large lots and orchards will have their base allocations reduced at a greater proportion than smaller water users. As the lake approaches empty, it may be that only essential uses of water will be allowed. That would be a great equalizer: large homes would receive the same allocation as small homes.

Most important, implementing two classes of water (essential and non-essential) allows us to charge rates more closely related to the cost delivering water. Smaller customers have demands that vary less during the year. In a sense, they have been subsidizing the delivery capacity required by larger customers only a few months of the year. Having two rate classes is fairer to our smaller water users.

Finally, the 2 acre limit on irrigation allocation is progressive. No single family needs more than 2 acres of irrigated landscaping during a severe drought.

Overall, our new proposed allocation/rate program appears to be better for our smaller customers. Having a more equitable allocation program also justifies more stringent penalties for those who exceed their allocations.

# Sample Customers for Allocation Comparison - Conservation Achieved in 2016

who used more, compared to their 2010-12 historical use. For example, the lowest 1/3 users had a historical average of 81 units/yr. I didn't expect much The most impressive reduction was by many folks who were very high, unreasonable users of water. They've gotten the message, and have proven that month's board meeting. There was a wide range of conservation results, so I broke them down into 2 groups – those who used less in 2016 and those conservation from them. Yet, 4 of the 6 achieved an average 2016 usage of 35 units!!! How is that even possible? But 2 of the 6 had a large jump in Here is a table of the water conservation achieved in 2016 by the various groupings in the allocation comparison sample, from the slide show at last usage, to an average of 272 units. That's a puzzle. Overail, the usage for this group went up because the 2 "uppers" offset the 4 "downers." Similarly, the middle 1/3 users had 5 folks who conserved a whopping 42%, offset by one guy who went up 86%, for a net reduction of 21%. high users can cut back substantially. Still, their good efforts are negated by a few who have not.

If the numbers are right, our highest water user dropped from 2450 to 91 units. Wow! Perhaps they redid their irrigation system and moved their use to

My sampling overstates the amount of conservation because I'm biased towards the higher users. But overall, the results indicate that most folks are conserving water nicely; while a few others have actually increased their usage. another meter? (They seem to have 3 street addresses.)

The most important stat is that in 2016, 12 of the 40 exceeded what would have been their WEAP allocation. Those are the folks we need to focus on. A true random sampling would yield a lower fraction of WEAP exceeders.

		Ϋ́	Jsed less in 2016	2016	S	Jsed More in 2016	in 2016		Combined	eq	
	2010-12		2016	2016		2016	2016			2016	No.
	Average		Average	Conser-		Average	Conser-			Conser-	Exceeding
Water Use Classification	(hcf/yr)	No.	(hcf/yr)	vation*	Š	(hcf/yr)	vation*	No.	Average	vation*	WEAP
Lowest 1/3 residential 3/4"-R	81	4	35	-57%	7	272	236%	9	114	41%	1
Middle 1/3 residential 3/4"-R	155	S	90	-42%	₩	289	%98	9	123	-21%	0
Highest 1/3 residential 3/4"-R	367	H	152	-59%	←⊀	438	19%	12	176	-52%	æ
Highest 1/10 residential 3/4"-R	584	4	252	-57%	₩	989	16%	S	338	-42%	2
Top 5 residential 3/4"-R	1722	ιΩ	447	-74%	0	NA		Ŋ	447	-74%	2
Highest 1/3 residential 1"-R	614	m	199	%89-	m	732	19%	9	466	-24%	4
		32			×			40			12

<sup>\*</sup> Note: Negative means a reduction in usage; positive means an increase.

# Meiners Oaks Water District

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

Expenditures	Month of January	Year To Date	Budget Approp	Approp Bal 01/31/16	Current February	Approp Bal To Date
Salary / Taxes	33,116.33	222,766.43	410,000.00	187,233.57	- 1	187,233.57
Retirement Contributions	2,569.24	19,984.15	35,000.00	15,015.85	-	15,015.85
Group Insurance	5,252.64	27,599.72	70,000.00	42,400.28	-	42,400.28
Company Uniforms	-	622.64	1,500.00	877.36	-	877.36
Phone Office	776.62	5,420.61	7,600.00	2,179.39	-	2,179.39
Janitorial Service	341.36	2,509.70	5,200.00	2,690.30	101.36	2,588.94
Refuse Disposal	169.75	1,166.41	2,500.00	1,333.59	-	1,333.59
Liability Insurance	-	21,465.64	22,500.00	1,034.36	-	1,034.36
Workers Compensation	-	10,086.48	17,500.00	7,413.52	-	7,413.52
Wells	-	547.70	20,000.00	19,452.30		19,452.30
Truck Maintenance	250.00	2,034.88	4,000.00	1,965.12		1,965.12
Office Equip. Maintenance	110.64	3,707.48	5,000.00	1,292.52	461.24	831.28
Cell Phones	239.00	2,119.25	4,500.00	2,380.75	-	2,380.75
System Maintenance	6,523.79	25,263.81	60,000.00	34,736.19	1,330.41	33,405.78
Safety Equipment		1,082.37	3,500.00	2,417.63	-	2,417.63
Laboratory Services	316.00	2,915.00	8,000.00	5,085.00	143.00	4,942.00
Membership and Dues	310.00	6,097.00	7,000.00	903.00	750.00	153.00
Printing and Binding		140.59	1,000.00	859.41	-	859.41
Office Supplies	615.77	3,125.60	6,000.00	2,874.40		2,874.40
Postage and Express	771.87	8,941.20	13,500.00	4,558.80	-	4,558.80
B.O.D. Fees	900.00	6,350.00	15,000.00	8,650.00		8,650.00
	900.00	0,330.00	35,000.00	35,000.00	-	35,000.00
Engineering & Technical Services	327.22	- 4,197.87	12,000.00	7,802.13	70.97	7,731.16
Computer Services			17,500.00	10,641.80	3,508.50	7,133.30
Other Prof. & Regulatory Fees	632.44	6,858.20			3,500.50	1,500.00
Public and Legal Notices	-	7 5 40 00	1,500.00	1,500.00	-	
Attorney Fees	680.00	7,540.00	15,000.00	7,460.00	-	7,460.00
GSA Fees	-	17,978.62	25,000.00	7,021.38	-	7,021.38
VR/SBC/City of VTA Law Suit			40,000.00	40,000.00	400.00	40,000.00
Audit Fees	~	9,400.00	12,000.00	2,600.00	400.00	2,200.00
Small Tools		606.97	3,000.00	2,393.03		2,393.03
Election Supplies	769.12	769.12	3,000.00	2,230.88	-	2,230.88
Water Purchase	24,093.45	192,923.56	250,000.00	57,076.44	-	57,076.44
Treatment Plant	3,248.90	3,862.53	10,000.00	6,137.47		6,137.47
Fuel	548.17	4,501.54	12,000.00	7,498.46	- 440.00	7,498.46
Travel Exp./Seminars	180.00	583.15	2,000.00	1,416.85	110.00	1,306.85
Utilities	176.20	1,359.46	3,500.00	2,140.54	104.26	2,036.28
Power and Pumping	1,279.37	1,279.37	80,000.00	78,720.63	2,753.21	75,967,42
Meters	906.15	906.15	10,000.00	9,093.85	900.92	8,192.93
Total Expenditures	84,794.03	626,713.20	1,250,800.00	624,086.80	10,633.87	613,452.93
Water Distribution System	- 1	- 1	_	-	-	-
Cold Water Well			250,000.00	250,000.00	_	250,000.00
Structures and Improvements		-		_		<u></u>
Generator Z-2	_		120,000.00	120,000.00	-	120,000.00
0017014(0) 2 2			120,000.00	120,000.00		
Trucks/Carts	-			-		
Furniture and Fixtures			-			
Office Machines						
Office Machines		~		-	-	
Field Equipment			*****		-	<del></del>
Pipe Freezing Machine	_	3 225 74	3 500 00	164.26		164.26
ripe rieezing iviacinne		3,335.74	3,500.00	104.20	<del>-</del>	104.20
Appropriations for Continuous:	4 240 00	4 240 00	100 000 00	95,682.00	-	95,682.00
Appropriations for Contingencies	4,318.00	4,318.00	100,000.00		-	
Total Assets	4,318.00	7,653.74	473,500.00	465,846.26	-	465,846.26
GRAND TOTAL	89,112.03	634,366.94	1,724,300.00	1,089,933.06	10,633.87	1,079,299.19





# Meiner's Oaks County Water District, CA

By Vendor Name

Date Range: 01/16/2017 - 02/15/2017

Vendor Number Payable # Bank Code: AP Bank-A	Vendor Name Payable Type	Payable Date	Payment Date Payable Description		Discount Am Discount Amount		Payment Amount able Amount	Number
ADAMSO  005438	Adamson's Automotive Re Invoice	pair & Tow 01/26/2017	02/13/2017 Truck Rescue Besa	Regular nt/Lomita	0.00	0.00	250.00 250.00	7406
AWAVC 06-9579	Association of Water Agen Invoice	cies 01/19/2017	01/27/2017 Breakfast Meeting	Regular	0.00	0.00	75.00 75.00	7390
AWAVC 06-9603 06-9615	Association of Water Agen Invoice Invoice	cies 01/25/2017 02/01/2017	02/13/2017 CCWUC Luncheon 2017 Annual Mem		0.00 0.00	0.00	855.00 105.00 750.00	7407
U-VERSE 7294600117	AT&T U-verse Invoice	01/04/2017	01/27/2017 Internet	Regular	0.00	0.00	70.00 70.00	7392
AT&T 01840117 21140117	AT&T Invoice Invoice	01/13/2017 01/20/2017	01/27/2017 Office Phones Office Phones	Regular	0.00 0.00	0.00	646.32 83.49 562.83	7391
BONDY 010-03	Bondy Groundwater Consu Invoice	ulting, Inc. 02/01/2017	02/13/2017 Professional Consu	Regular Ilting Services	0.00	0.00	3,495.00 3,495.00	7408
CALPERS <u>INV0000567</u> <u>INV0000578</u>	California Public Employee Invoice Invoice	s' Retirement 01/13/2017 01/31/2017	01/27/2017 Health Health	Regular	0.00 0.00	0.00	4,867.06 2,827.58 2,039.48	7387
CALPERS 2186-2	California Public Employee Invoice	s' Retirement 01/18/2017	01/27/2017 January Partial Pay	Regular ment	0.00	0.00	789.48 789.48	7393
CALPERS 2209	California Public Employee Invoice	s' Retirement 01/18/2017	01/27/2017 Retired Premiums	Regular	0.00	0.00	265.10 265.10	7394
CAL-STATE 77454	Cal-State Invoice	02/04/2017	02/13/2017 Portable Toilet	Regular	0.00	0.00	101.36 101.36	7409
CANON 16899633	Canon Financial Services, Invoice	nc. 01/13/2017	01/27/2017 Contract Charge	Regular	0.00	0.00	110.64 110.64	7395
CMWD  261150117 262000117 911320117	Casitas Municipal Water Di Invoice Invoice Invoice	strict 01/31/2017 01/31/2017 01/31/2017	02/13/2017 Purchased Water/S Hartmann Allocatic Purchased Water/S		0.00 0.00 0.00	0.00	24,093.45 23,276.68 85.49 731.28	7410
CLEANCO 3047	Cleanco Services Invoice	01/29/2017	02/13/2017 January Janitorial	Regular	0.00	0.00	240.00 240.00	7411
CVTDEP <u>PE17-0007</u>	County of Ventura Transpo Invoice	rt. Dept. 01/18/2017	02/13/2017 Encroachment Perr	Regular mit for El Roblar	0.00	0.00	585.00 585.00	7413
VCRMA <u>IN0159707</u>	County of Ventura, RMA Invoice	01/26/2017	02/13/2017 Cross Connection C	Regular Contract	0.00	0.00	263.44 263.44	7414
VCED 110816	County of Ventura Invoice	01/31/2017	02/13/2017 Election Preparatio	Regular n Costs	0.00	0.00	769.12 769.12	7412
DATAP <u>DP1700298</u>	Dataprose LLC Invoice	01/31/2017	02/13/2017 Billing and Postage	Regular	0.00	0.00	771.87 771.87	7415
DOCUPRO 133853	DocuProducts Corporation Invoice	02/02/2017	02/13/2017 Copier Maintenanc	Regular e Contract	0.00	0.00	371.39 371.39	7416

Date Range: 01/16/2017 - 02/15/2017

спеск керогт						Date Range: 01/16/	2017 - 02/15/2
Vendor Number Payable #	Vendor Name Payable Type	Payable Date	Payment Date Payable Description			nount Payment Amou Payable Amount	
DRAGANCHUK 113902	Draganchuk Invoice	02/01/2017	02/13/2017 Alarm System	Regular	0.00		85 7417
EJHAR	E. J. Harrison Rolloffs, Inc.		01/27/2017	Regular		0.00 169.	75 7396
281300117	Invoice	01/15/2017	Office Trash		0.00	42.24	
994260117	Invoice	01/15/2017	3 Yard Dumpster		0.00	127.51	
FAMCON	Famcon Pipe and Supply,	Inc	02/13/2017	Regular		0.00 2,246.	35 7418
188549	Invoice	01/26/2017	Angle Meter Stop,	Ball Valve, Adapter, etc.	0.00	2,246.35	
FGLENV	FGL Environmental		01/27/2017	Regular		0.00 158.	00 7397
700024A	Invoice	01/12/2017	Lab. Services		0.00	79.00	
700309A	Invoice	01/16/2017	Lab. Services		0.00	79.00	
FGLENV	FGL Environmental		02/13/2017	Regular		0.00 222.	00 7419
700632A	Invoice	01/26/2017	Lab. Services		0.00	79.00	
700984A	Invoice	02/07/2017	Lab. Services		0.00	64.00	
700987A	Invoice	02/07/2017	Lab. Services		0.00	79.00	
GUARDIAN	Guardian		01/27/2017	Regular		0.00 339.	64 7388
INV0000568	Invoice	01/13/2017	Dental		0.00	169.82	
INV0000579	Invoice	01/31/2017	Dental		0.00	169.82	
GUARDIAN	Guardian		01/27/2017	Regular		0.00 8.	00 7398
7690460117	Invoice	01/17/2017	Administration Fee		0.00	8.00	
HLTHNE	Health Net Life Insurance	Company	01/27/2017	Regular		0.00 21.	60 7399
61790117	Invoice	01/09/2017	Life Insurance		0.00		10,50 (0,00,00)
HSBS	HealthSmart Benefit Solut	ions. Inc.	01/27/2017	Regular		0.00 100.	12 7389
INV0000570	Invoice	01/13/2017	HSBS		0.00		
INV0000581	Invoice	01/31/2017	HSBS		0.00		
INTEGRATE	Integrated Services, Inc.		01/27/2017	Regular		0.00 60.	30 7400
000193025	Invoice	01/14/2017	Long Distance	0	0.00		
JCI	JCI Jones Chemical, Inc.		01/27/2017	Regular		0.00 1,913.	63 7401
711109	Invoice	01/17/2017	Chlorine		0.00	2,663.63	
711189	Credit Memo	01/17/2017	Container Return		0.00	-750.00	
NEILSON	Law Offices of Lindsay F. N	lielson	01/27/2017	Regular		0.00 680.	00 7402
34880117	Invoice	01/10/2017	Attorney Fees		0.00	680.00	
MOHARD	Meiners Oaks Hardware		02/13/2017	Regular		0.00 83.	76 7420
752790	Invoice	01/01/2017	Signs		0.00	11.70	
752921	Invoice	01/01/2017	Rags,Spout		0.00	12.70	
754885	Invoice	01/17/2017	Liquid Chlorine		0.00	8.14	
754966	Invoice	01/17/2017	Liquid Chlorine		0.00	24.42	
755449	Invoice	01/20/2017	Boots		0.00	26.80	
MITEC	MiTec Solutions LLC		01/27/2017	Regular		0.00 70.	00 7403
23812	Invoice	01/01/2017	Domain Registratio	n	0.00	70.00	
MITEC	MiTec Solutions LLC		02/13/2017	Regular		0.00 328.	19 7421
41814	Invoice	01/25/2017	On-Site Labor		0.00	166.25	
42087	Invoice	01/15/2017	Splashtop User Acc	ount	0.00	10.00	
42088	Invoice	01/15/2017	Splashtop User Acc	ount	0.00	10.00	
42089	Invoice	01/01/2017	January Exchange/	Web Hosting	0.00	70.97	
42090	Invoice	02/01/2017	February Exchange	/Web Hosting	0.00	70.97	
NATMETER	National Meter & Automa	tion, Inc.	02/13/2017	Regular		0.00 1,807	07 7422
S1080617.001	Invoice	01/24/2017	5/8" x 3/4" Meters	/Registers	0.00	906.15	
S1081052.001	Invoice	02/03/2017	1 1/2" Meters/Regi	isters	0.00	900.92	

# Date Range: 01/16/2017 - 02/15/2017

	check heport						Date No	inge. 01/10/201	, 02/13/
	Vendor Number Payable # OFFDEP	Vendor Name Payable Type Office Depot	Payable Date	Payment Date Payable Description 02/13/2017	Payment Type on Regular	Discount Am Discount Amount		ment Amount Amount 177.08	
			01/20/2017			0.00			7423
	896462960001	Invoice	01/20/2017	Binders, Receipt Bo		0.00		129.49	
	897375467001	Invoice	01/24/2017	Sticky Notes,Binde	ers	0.00		47.59	
	OSCAR	Oscar Delgado Acosta		02/13/2017	Regular		0.00	2,800.00	7424
	12857	Invoice	01/31/2017	Tree Removal - 3 P	Palms	0.00	2	2,800.00	
	PERS	Public Employees' Retirem	ent System	01/27/2017	Regular		0.00	1,967.96	7386
	INV0000580	Invoice	01/31/2017	PERS		0.00		,967.96	
	PERS	Public Employees' Retirem	ent System	02/13/2017	Regular		0.00	1,854.48	7405
	INV0000591	Invoice	02/15/2017	PERS	negalai	0.00		1,854.48	7403
	PERS	Dublic Employees! Detiron	ant Customs	02/12/2017	Dogular		0.00	600 10	7425
		Public Employees' Retirem		02/13/2017	Regular		0.00	688.10	7425
	10000001490629		02/01/2017	Unfunded Accrued		0.00		678.27	
	10000001490630	Invoice	02/01/2017	Unfunded Accrued	Liability	0.00		9.83	
	QUINNRNTL	Quinn Rental Services		02/13/2017	Regular		0.00	1,330.41	7426
	00593901	Invoice	02/06/2017	Backhoe		0.00	1	,330.41	
	SCE	Southern California Edison	Co.	02/13/2017	Regular		0.00	2,857.47	7427
	OFFELE0217	Invoice	02/10/2017	Office Electricity		0.00		104.26	
	PMP1-0217	Invoice	02/10/2017	Pump 1		0.00		311.35	
	PMP2-0217	Invoice	02/10/2017	Pump 2		0.00		256.46	
	PMP4&70217	Invoice	02/10/2017	Pumps 4&7		0.00		,687.35	
	TNKFRM0217	Invoice	02/10/2017	Tank Farm		0.00		38.92	
	WELL80217	Invoice	02/10/2017	Well 8		0.00		54.40	
	Z-20217		02/10/2017	Zone 2		0.00		101.38	
		Invoice							
	Z-2FIR0217	Invoice	02/10/2017	Zone 2 Fire		0.00		44.73	
	Z-2PWR0217	Invoice	02/10/2017	Zone 2 Power		0.00		231.91	
	Z-3FIR0217	Invoice	02/10/2017	Zone 3 Fire		0.00		26.71	
	SCGAS	Southern California Gas Co		02/13/2017	Regular		0.00	87.25	7428
	6518	Invoice	01/31/2017	Office Heat		0.00		87.25	
	STARDYMIX	State Ready Mix Inc.		02/13/2017	Regular		0.00	380.21	7429
	503670	Invoice	01/31/2017	Slurry for Pueblo/E		0.00		380.21	
				to constant the second					
	TCS	Total Compensation System		02/13/2017	Regular		0.00	400.00	7430
	5259	Invoice	02/07/2017	GASB 68 Report		0.00		400.00	
1	UAOFSC	Underground Service Alert	of So.Ca.	02/13/2017	Regular		0.00	13.50	7431
	120170431	Invoice	02/01/2017	Digalert		0.00		13.50	
1	USBANK	US Bank Corporate Pmt. Sy	stem	02/13/2017	Regular		0.00	1,773.96	7432
	BENF0109	Invoice	01/09/2017	Legal Pads		0.00		5.35	
	HACHCO0120		01/20/2017	Parts for Turbidity	Meter	0.00		999.43	
	HACHCO0123		01/23/2017	Maintenance Kit fo		0.00		335.84	
	OFFDEP0120		01/20/2017	Table/Calculator		0.00		184.44	
	WALM0119		01/19/2017	Refrigerator/Micro	wave	0.00		248.90	
				harrier about a librarier to		0.00			
١	/CSDA	Ventura County Special Dist		02/13/2017	Regular		0.00	110.00	7433
	20717	Invoice	02/07/2017	Annual Award Mee	eting	0.00		110.00	
١	/ERIZON	Verizon Wireless		02/13/2017	Regular		0.00	239.00	7434
	9779420683		01/26/2017	Cell Phones		0.00		239.00	A00701-500.500
	Control Contro			_ 3 ,		0.00			

**Check Report** 

Date Range: 01/16/2017 - 02/15/2017

Vendor Number	Vendor Name		Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Descript	ion	Discount Amount Paya	able Amount	
WRIGHT EXP	WEX Bank		01/27/2017	Regular	0.00	548.17	7404
48387473	Invoice	01/15/2017	Fuel		0.00	548.17	

### Bank Code AP Bank Summary

	Payable	Payment		
Payment Type	Count	Count	Discount	Payment
Regular Checks	85	49	0.00	62,145.08
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	85	49	0.00	62,145.08

PR \$28,334.89

# Report of Income as of 1/31/2017

	Month of	Year To	Budget	Approp Bal
Income	January	Date	Approp	07/31/15
Interest	78.92	3,349.10	ens der	(3,349.10)
Taxes	1,359.20	82,028.22		(82,028.22)
Pumping Charges	197.26	2,218.19		(2,218.19)
Fire Protection	94.20	879.65		(879.65)
Meter & Inst. Fees				
Water Sales	39,646.27	393,100.38	659,439.00	266,338.62
Casitas Standby Fees	343.10	4,513.10	<b></b>	(4,513.10)
MWAC Charges	50,626.27	317,382.96	666,997.00	349,614.04
MCC Chg.	6,307.19	45,076.19	125,408.00	80,331.81
Misc. Income	278.74	2,165.12	8,000.00	5,834.88
Late & Delinquent Chgs.	4,141.71	21,118.51	w.u.	(21,118.51)
Conservation Penalty		300.00		(300.00)
Capital Improvement				
Drought Surcharge	1,897.10	29,998.37		(29,998.37)
		***		
TOTAL INCOME	104,969.96	902,129.79	1,459,844.00	557,714.21



1112 I Street, Suite 300 Sacramento, California 95814-2865 T 916.231.4141 or 800.537.7790 \* F 916.231.4111

Maximizing Protection. Minimizing Risk. \* www.sdrma.org

# Notification of Nominations – 2017 Election SDRMA Board of Directors

RECEIVED

FEB 0 7 2017

February 3, 2017

Mr. Dale Carnathan Board President Meiners Oaks Water District 202 West El Roblar Drive Ojai, California 93023

Dear Mr. Carnathan:

Notice of Nominations for the Special District Risk Management Authority (SDRMA) Board of Directors 2017 Election is being provided in accordance with the SDRMA Sixth Amended and Restated Joint Powers Agreement. The following nomination information is enclosed: Nomination Packet Checklist, Board of Director Fact Sheet, Nomination/Election Schedule, SDRMA Election Policy No. 2017-03, sample Resolution for Candidate Nomination and Candidate's Statement of Qualifications Form.

<u>General Election Information</u> - Four Director seats are up for election. The nomination filing deadline is Friday, May 5, 2017. Ballots will be mailed to all SDRMA member agencies in mid-May. Mail-in ballots will be due back to SDRMA Tuesday, August 29, 2017.

<u>Nominee Qualifications</u> - Nominees must be a member of the agency's governing body or a management employee (see SDRMA Election Policy 2017-03, Section 4.1) and be an active member agency of **both** SDRMA's Property/Liability and Workers' Compensation Programs. Candidates must be nominated by Resolution from their member agency's governing body and complete and submit a "Candidates Statement of Qualifications".

<u>Nomination Documents and Information</u> - Nomination documents (Nominating Resolution and Candidates Statement of Qualifications) and nomination guideline information may also be obtained on SDRMA's website at www.sdrma.org. To obtain documents electronically:



From the SDRMA homepage, click on the "2017 Nomination & Election Information" button. All necessary nomination documents and election information may be downloaded and printed.

<u>Term of Office</u> – Directors are elected to 4-year terms. The term of office for the newly elected Directors will begin January 1, 2018 and expire December 31, 2021.

<u>Nomination Filing Deadline</u> – Nomination documents must be received in SDRMA's office no later than 5:00 P.M. on Friday, May 5, 2017.

Please contact SDRMA Chief Operating Officer Paul Frydendal at 800.537.7790, if you have any questions regarding the 2017 SDRMA Board of Director Nominations or the election process.

Sincerely,

Special District Risk Management Authority

Gregory S. Hall, ARM Chief Executive Officer



# 2017 Nomination Packet Checklist



# SDRMA BOARD OF DIRECTORS NOMINATION AND ELECTION GUIDELINES

January 5, 2017, marked the official commencement of nominations for the SDRMA Board of Directors. Four seats on the Board of Directors are up for election in August 2017.

For your convenience we have enclosed the necessary nomination documents and election process schedule. Please note that some items have important deadlines. All document contained in this packet, as well as additional information regarding SDRMA Board elections are available on our website www.sdrma.org and/or by calling SDRMA Chief Operating Officer Paul Frydendal at 800.537.7790.

Attachment One:	<b>SDRMA Board of Directors Fact Sheet:</b> This document reviews the Board of Directors' Roles and Responsibilities along with other important information.
Attachment Two:	SDRMA Board of Directors 2017 Nomination/Election Schedule: Please review this
Attachment Three:	document for important deadlines.  SDRMA Election Policy No. 2017-03: A Policy of the Board of Directors of the Special
Attachment Four:	District Risk Management Authority establishing guidelines for Director elections.  Sample Resolution for Candidate Nomination: A resolution of the Governing Body of
	the Agency nominating a candidate for the Special District Risk Management Authority Board of Directors.
Attachment Five:	Candidate's Statement of Qualifications: Please be advised that no candidate statements are endorsed by SDRMA. Candidate's Statements of Qualification will be distributed to the membership with the SDRMA election ballot, "exactly as submitted" by the candidate.

Please complete and return all required nomination and election documents to:

SDRMA Election Committee C/O Paul Frydendal, COO Special District Risk Management Authority 1112 "I" Street, Suite 300 Sacramento, California 95814



# SDRMA BOARD OF DIRECTORS FACT SHEET



# SDRMA BOARD OF DIRECTORS ROLE AND RESPONSIBILITIES

Special District Risk Management Authority (SDRMA) is a public entity Joint Powers Authority established to provide cost-effective property/liability, worker's compensation, health benefit coverages and comprehensive risk management programs for special districts and other public agencies throughout California. SDRMA is governed by a Board of Directors elected from the membership by the programs' members.

Number of Board Members

7-Board Members: SDRMA Board of Directors consists of seven Board Members, who are elected at-large from members participating in either program.

Board of Directors' Role

SDRMA Board of Directors provide effective governance by supporting a unified vision, and ensuring accountability, setting direction based on SDRMA's mission and purpose, as well as establishing and approving policy to ensure SDRMA meets its obligations and commitment to its members.

Board of Directors' Responsibilities Board Member responsibilities include a commitment to: serve as a part of a unified governance body; govern within Board of Directors' policies, standards and ethics; commit the time and energy to be effective; represent and make policy decisions for the benefit, and in the best interest, of all SDRMA members; support collective decisions; communicate as a cohesive Board of Directors with a common vision and voice; and operate with the highest standards of integrity and trust.

Four Seats For this Election 4-Seats: Elections for Directors are staggered and held every two years, four seats during one election and three seats in the following election. Four seats are up for election this year.

Term of Directors

4-Year Terms: Directors are elected for 4-year terms. Terms for directors elected this election begin January 1, 2018 and end on December 31, 2021.

Board Member Travel Reimbursement Board Members are reimbursed for reasonable travel and lodging in accordance with SDRMA Board Policy Manual 2017-01 and applicable laws and are allowed to claim a stipend of \$195 per meeting day or for each day's service rendered as a Member of the Board.

Number of Meetings per Year

7-Board Meetings Annually: Generally not more than one meeting per month, with an average of seven board meetings per year.

Meeting Location

SDRMA office in Sacramento, California.

Meeting Dates

Typically the first Wednesday afternoon and Thursday morning of the month.

Meeting Starting Times

3:00 p.m. and 8:00 a.m.: Meetings are from 3:00 p.m. on Wednesday afternoon until 5:30 p.m. and Thursday from 8:00 a.m. to 10:00 a.m.

Meeting Length

4 - 6 hours: Length of meetings on average.

Average Time Commitment

15 - 20 hours: Commitment per month.

"The mission of Special District Risk Management Authority is to provide risk financing and risk management services through a financially sound pool to California public agencies, delivered in a timely and responsive cost efficient manner."

Special District Risk Management Authority A Property/Liability, Workers' Compensation and Health Benefits Program



# SDRMA BOARD OF DIRECTORS 2017 NOMINATION/ELECTION SCHEDULE

# 2017 Nomination/Election Schedule



	S	7	4	21	28	
	ш	9	13	20	27	
RY	⊢	2	12	19	26	
JANUARY	>	4	=	18	25	
₹ Y	-	က	10	17	24	31
	Σ	7	6	16	23	30
	S	-	8	15	22	53

	670
	- 10
	- 10
-	1 80
	1 100
	1 20
	-
	1
_	- 60
3	- 80
	100
_	
30	
_	100
29	183
"	63

4000						
	S	~	∞	15	22	29
	ш		7	4	21	28
	⊢		9	13	20	27
JOLY	>		2	12	19	26
	⊢		4	Ξ	8	25
	Σ		က	10	17	24/31
	S		7	6	16	23/30 24/31

	S	7	4	21	28	
	ш	9	5	20	27	
监	⊢	2	12	19	26	
TOBE	>	4	=	18	25	
ဗ	_	က	10	17	24	31
	Σ	7	6	16	23	30
	S	-	8	15	22	29

9 10 17 23 24	7 8 9 10	- V	MTWTFS	7 1 4 5	10 17 24	16 23	15	7 2 6	13
---------------	----------	-----	--------	---------	----------	-------	----	-------	----

ì	27			S	2	12	19	26	
	26			ш	4	7	18	25	
	25		FS	⊢	က	10	17	24	31
	24	31	AUGUST	3	7	6	16	23	30
	23	30	A	-	-	œ	15	22	29
	22	29		Σ		7	17	21	28
	21	28	To a	S		9	13	20	27

1 2 3

21 22 23 24	5 6 12 13 19 20	7 4 1 2 1 2 1 2 1	8 15 22	9 16 23	10 17 24	118 18 25
7 8 9 10			-	2	က	4
7 8 9 10	Ξ	<b>-</b>	>	⊢	ш	S

Σ	-	>	⊢	ш	S
			-	7	က
2	9	7	∞	6	10
12	13	4	15	16	17
19	20	21	22	23	24
26	27	28	29	30	

	S	7	6	16	23	30
	ш	-	œ	15	22	29
אר ה	⊢		7	4	21	28
	>		9	13	20	27
בו כ	⊢		2	12	19	26
	Σ		4	=	18	25
	S		က	10	17	24

6	16	23	30		S	7	6	16	23	30
œ	15	22	29		ш	-	œ	15	22	29
7	4	21	28	3ER	⊢		7	4	21	28
9	13	20	27	EMB	3		9	5	20	27
2	12	19	26	DEC	⊢		2	12	19	26
4	=	18	25		Σ		4	Ξ	18	25
က	10	17	24		S		က	9	17	24/31

TASK TIMELINE	Ī	1	L
<b>ASK 1</b>	1	1	
AS	H	2	=
1	100	1	5
	F	7	-

Schedule	
Election S	
approves	
Board	
5 Bo	

90 days prior to mailing Ballots (103 actual days)	Nomination Procedure to Members in January	2/3 Mail Notification of Election and
Ol day of rough of the	Nomination Procedure	2/3 Mail Notification of E

5/5 Deadline to return Nominations	5/11 Tentative Election Comm. Reviews	Nominations	5/17-18 Mail Ballots 60 days prior to	ballot receipt deadline (103 actual days)
'5 De	11 T	z	17-1	
2	2		2	

8/29 Deadline to Receive Ballots	8/30 Tentative Election Committee	Counts Ballots	8/31 Election Committee Notifies Successful	
Deadlin	Tentativ	Counts F	Election	
8/29	8/30	J	8/31	

Candidates and Provides Them With	Upcoming Board Meeting Schedule	9/27 Directors' Elect Invited to CSDA Annual	Conf/SDRMA Breakfast/Super Session
Ŭ	_	3/27 E	O

11/1-2 Directors' Elect Invited to SDRMA
Board Meeting

2018	Newly Elected Directors Seated and
	Election of Officers



# SDRMA BOARD OF DIRECTORS ELECTION POLICY NO. 2017-03



A POLICY OF THE BOARD OF DIRECTORS OF SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY ESTABLISHING GUIDELINES FOR DIRECTOR ELECTIONS, DIRECTOR APPOINTMENTS, AND CREATION OF A SUPERVISING ELECTION COMMITTEE

WHEREAS, SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY (SDRMA) is a joint powers authority, created pursuant to Section 6500, et. seq. of the California Government Code; and

WHEREAS, the Board of Directors recognizes that it is in the best interest of the Authority and its members to adopt a written policy for conducting the business of the Board; and

WHEREAS, establishing guidelines for Director elections and appointments will help ensure a process that is consistent for all nominees and candidates, will promote active participation by SDRMA members in the election/appointment process, and will help ensure election/appointment of the most qualified candidate(s); and

qualified Candidate(s); and

WHEREAS, the Bylaws provide the Board with the option of conducting the election using a mail-in ballot process; and

WHEREAS, the Board of Directors of SDRMA has an overriding and compelling interest in insuring the accuracy of the election/appointment process of its Board members through the creation of an election committee;

NOW, THEREFORE, it is the policy of the Board of Directors of SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY, until such policy shall have been amended or rescinded, that the following procedures shall be followed when conducting Director elections or filling a Director vacancy by appointment:

### 1.0. Election Schedule

1.1. Not later than the first Board meeting of each election year, the Board of Directors shall approve an election schedule based on the following criteria and time frames.

### 2.0. Election Committee

2.1. The Board of Directors herein establishes an election committee with the following composition, duties and responsibilities; The five (5) members of the Election Committee shall include two presently sitting members of the Board of Directors of SDRMA whose seats are not up for election, the Chief Operating Officer of SDRMA, and the CPA/auditor regularly used and retained by SDRMA at the time of counting ballots of and for an election to the Board of Directors. For good reason found and stated, the Board of Directors of SDRMA may appoint any CPA/auditor who, in the discretion of the Board of Directors, would appropriately serve the Election Committee. The General Counsel for SDRMA shall also sit as a member of the Election Committee with the additional obligation of providing legal advice to the balance of the Committee as legal questions may arise.

### 3.0. Member Notification of Election

3.1. Authority staff shall provide written notification, of an election for the Board of Directors, to all member agencies during January of each election year. Such written notification shall be provided a minimum of ninety (90) days prior to the distribution of ballots and shall include; (1) the number of Director seats to be filled by election; (2) a copy of this nomination and election procedure; and (3) an outline of nomination/election deadline dates.



Committee's decisions regarding the qualification of nominees are final. Following the Election Committee's review of all nominations, the Election Committee shall direct that a hallot be prepared stating and listing all of the qualified nominees. The hallot of qualified nominees shall be distributed to the membership for election by mail as described below.

- 5.4. Upon verification or rejection of each nominee by the Election Committee, staff will mail acknowledgment to both the nominee and the district/agency of its acceptance or rejection as a qualified nominee for election.
- 5.5. A nominee requesting that his/her nomination be withdrawn prior to the election, shall submit such requests in writing to SDRMA's office a minimum of three (3) days prior to the scheduled date for mailing the ballots. After that date, all qualified nominees names shall appear on the ballot mailed to the membership.

# 6.0. Terms of Directors

6.1. The election of directors shall be held in each odd-numbered year. The terms of the directors elected by the Members will be staggered. Four directors will serve four-year terms, to end on December 31 of one odd-numbered year. Three directors will serve four-year terms, to end on December 31 of the alternate off-numbered year. [Per Bylaws, Article II, (3), paragraph 1].

# 7.0. Campaigning

- 7.1. SDRMA staff will mail each qualified candidate's "Statement of Qualifications", "exactly as submitted" by the candidate with the ballots to the membership.
- 7.2. Candidates, at their own expense, may distribute additional information to member agency(s) after the ballots have been mailed and prior to the election.
- 7.3. SDRMA staff is prohibited from actively promoting a candidate or participating in the election process while on Authority premises.
- 7.4. SDRMA staff may provide member information, mailing lists, financial reports or operational data and information, that is normally available through the Public Records Act, to candidates to assist them in their research and campaigning. In addition to obtaining such information under the Public Records Act, candidates may request SDRMA staff prepare mailing labels for the distribution of campaign materials to member agencies. Under existing policy, charges will apply for this service. The SDRMA logo is trademarked for use by SDRMA only. Neither the logo, nor any other Trademark of SDRMA may be used in any campaign literature. No campaign literature is to imply support of any candidate by SDRMA.
- 7.5. SDRMA election mailings to the membership, including ballots and candidates' "Statement of Qualifications", shall be sent via first class mail.

# 8.0. Limitations on Campaigning

8.1. As used in this section the following terms have the following meanings:

"Campaign Activity" means any activity that expressly advocates the election or defeat of a candidate or provides direct support to a candidate for his or her candidacy. "Campaign activity" does not include the incidental and minimal use of public resources, such as equipment or office space, for campaign purposes or the use of public resources to nominate a candidate or vote in any Board of Directors election.



- 9.7. A member may vote by using the official ballot provided by SDRMA, or a copy of SDRMA's original ballot, or a reasonable duplicate prepared by the member agency. Whichever of the three foregoing formats is used, the ballot must contain an original signature and confirmation that the ballot was approved at a public meeting of the agency's Governing Body. Ballots submitted without an original signature and/or without confirmation that the form of the ballot was approved at a public meeting of the agency's Governing Body will be considered void.
- 9.8. Ballots may be returned using either hand-delivered or mailed in ballots faxed or e-mailed ballots will not be accepted. Mailed in ballots must be addressed to, and hand-delivered ballots must be delivered to, the Special District Risk Management Authority office presently located at 1112 | Street, Suite 300, Sacramento, California 95814-2865.
- 9.9. Any ballot received after the specified deadline will not be counted and will be considered void.

### 10.0. Election Results

- 10.1. All ballots will be opened and counted at SDRMA's office only after the deadline for receiving ballots. Ballots will be opened by SDRMA's Election Committee, no more than five (5) days after the closing deadline. Candidates receiving the highest number of votes shall be declared the elected director(s).
- 10.2. In the event of a tie, a coin toss shall be used to determine the elected director. The coin toss shall be conducted by the Election Committee at the time and place of the conclusion of counting ballots.
  - PROCEDURE: In the event more than two (2) candidates tie, the coin toss shall be between two (2) candidates at a time based on the order in which their name appeared on the ballot This process shall be repeated, as needed, in cases where there are more than two (2) candidates.
- 10.3. Excluding tie votes, within five (5) days after the ballots are opened and tabulated Authority staff shall advise the candidates and their respective agency in writing of the final election results. Copies of the results shall also be mailed/distributed to SDRMA's Board of Directors, staff and consultants and published in the first available CSDA newsletter.
- 10.4. If a director-elect withdraws after the election or fails to accept the Director seat prior to December 31, the Board shall name a new director-elect by going back to the ballots and awarding the seat to the candidate receiving the next highest number of votes during the election.
- 10.5. Staff shall invite newly elected director(s) to attend the Annual Membership meeting and all scheduled Board meeting(s) after confirmation of election results until the director(s) elect assume office. Director(s) elect will be reimbursed for expenses, except for director stipends, in accordance with approved director reimbursement policy (copy of policy shall be provided to newly elected directors).
- 10.6. A member or candidate dissatisfied with the election result may, within ten (10) days after the ballots are opened and tabulated, file with the Authority a written challenge and appeal. The challenge and appeal must clearly set forth the complaint and any and all facts in support of the challenge and appeal. Within ten (10) days after the ballots are opened and tabulated, the challenge and appeal shall be delivered and received by the Authority. Within five (5) days of receipt of the challenge and appeal, the Authority shall deliver the same to the Election Committee for decision. The Election Committee shall have absolute authority for deciding the challenge and appeal. Notice of the decision of the Election Committee shall be provided to the party filing the challenge and appeal within ten (10) days.



# SAMPLE RESOLUTION FOR CANDIDATE NOMINATION

Available for download in Microsoft Word file format visit our website at www.sdrma.org

# [AGENCY NAME] RESOLUTION NO.

# A RESOLUTION OF THE GOVERNING BODY OF THE [AGENCY NAME] NOMINATING [CANDIDATE'S NAME] AS A

# CANDIDATE FOR ELECTION TO THE SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY BOARD OF DIRECTORS

WHEREAS, the Special District Risk Management Authority (SDRMA) is a Joint Powers Authority formed under California Government Code, Section 6500 et.seq., for the purpose of providing risk management and risk financing for California Special Districts and other local government agencies; and

WHEREAS, the Joint Powers Agreement (JPA) and Bylaws of SDRMA set forth director qualifications, terms of office and election requirements; and

WHEREAS, the Board of Directors of SDRMA established procedures and guidelines for the Director Election process; and

WHEREAS, the Board of Directors of SDRMA established a policy requiring candidates seeking election to the SDRMA Board of Directors to be: 1) a member of the agency's governing body or management employee per SDRMA Election Policy 2017-03, Section 4.1 and be an active member agency of both SDRMA's Property/Liability and Workers' Compensation Programs, and 2) be nominated by Resolution of their member agency's governing body, and 3) each nominated candidate must submit a completed and signed "Candidate's Statement of Qualifications" on or before the May 5 filing deadline in order for the candidate's name to be placed on the official ballot.

# NOW, THEREFORE, BE IT RESOLVED:

AYES.

- 1. The governing body of [AGENCY NAME] nominates [CANDIDATE'S NAME], its [POSITION TITLE], as a candidate for the Board of Directors of the Special District Risk Management Authority.
- 2. [ONLY IF CANDIDATE IS NOT A MEMBER OF THE AGENCY'S GOVERNING BODY: The governing body of [AGENCY NAME] has determined that [CANDIDATE'S NAME] is a management employee for purposes of SDRMA Election Policy 2017-03, Section 4.1].
- 3. The governing body of [AGENCY NAME] further directs that a copy of this Resolution be delivered to SDRMA on or before the May 5, 2017 filing deadline.

**ADOPTED** this **DATE** of **MONTH/YEAR** by the Governing Body of **AGENCY NAME** by the following roll call votes:

ILIST NAMES of GOVERNING BOARD VOTEST

TITEO.	LIGIT WILL OF GOVERN	THIS DOTTED TOTED	
NAYES:	e <mark>"</mark>		
ABSTAIN:	<mark>"</mark>		
ABSENT:	"		
APPROVED		ATTEST	
President – Governing Bo	ody	Secretary	



# CANDIDATE'S STATEMENT OF QUALIFICATIONS

Available for download in Microsoft Word file format visit our website at www.sdrma.org

# Special District Risk Management Authority Board of Directors Candidate's Statement of Qualifications

This information will be distributed to the membership with the ballot, "exactly as submitted" by the candidates – no attachments will be accepted. No statements are endorsed by SDRMA.

Nominee/Candidate	
District/Agency	
Work Address	
Work Phone	Home Phone
Why do you v	vant to serve on the SDRMA Board of Directors? (Response Required)
	mittee experience do you have that would help you to be an effective Board or any other organization) (Response Required)
- I	
	delle Africa. The control of the control of the specific and the specific and the second of the control of the



# **MEMORANDUM**

To: Mike Hollebrands/ MOWD

From: Bryan Bondy / BGC

CC: Project File

Date: February 6, 2017

Re: Evaluation of Groundwater Supply Opportunities - Alluvium and Coldwater Formation

# **Background**

In December 2016, you contacted Bondy Groundwater Consulting, Inc. (BGC) to discuss Meiners Oaks Water District's (MOWD's) water supply status. At that time, you requested a proposal to evaluate additional groundwater supply opportunities for the District. BGC's proposal dated December 28 described two tasks:

- <u>Evaluate Alluvium Thickness</u>: This task involved requesting well logs from Ventura
  County and reviewing the logs to evaluate whether thickness of the river alluvium is
  greater at locations other than MOWD's existing wells.
- <u>Evaluate Coldwater Formation Well</u>: This task involved reviewing readily available information concerning the groundwater production potential of Coldwater Formation, including prior work completed for the District.

This memorandum summarizes the results of the above described tasks.

### **Alluvium Evaluation**

The District currently has four active wells completed in the river alluvium (Well Nos. 1, 2, 4, and 7). The District owns a fifth alluvial well (No. 8), but elevated concentrations of nitrate are preventing the District from using this well. The ongoing drought conditions have caused lower water table conditions in the alluvium, which has significantly reduced the District's well yields.

The purpose of this task was to evaluate whether there are locations within the District where the saturated thickness of the river alluvium is substantially greater than it is at MOWD's existing wells. A well installed in a substantially thicker, deeper portion of the alluvium could extend the District's water supply during droughts by allowing the District to pump from a lower portion of the aquifer.

Well completion forms for wells located within and surrounding the District were obtained from the County of Ventura and reviewed. MOWD also provided available well logs for Well Nos. 1,



4, and 7. Well logs for MOWD Well Nos. 2 and 8 were not available from either the County of Ventura or MOWD.

Table 1 below summarizes the depths of MOWD's wells. As indicated in the table, MOWD's wells range up to 240 feet in depth. The deepest wells are located in the southern part of the service area, where other wells also indicate thicker alluvium is present.

MOWD Well No.	State Well No.	Screen Interval (ft. below grade)		
1	05N23W33B02	11.5-60		
2	05N23W33B04	Well log not available (total depth >83 based on water level records)		
4	04N23W09B05	20-240		
7	04N23W09B04	70-156		
8 <b>04N23W04J01</b>		76-126 per VC records Well log not available		

Table 1. Screen Intervals of MOWD Wells

Based on review of available well logs and geologic maps, the alluvial deposits are relatively thin in the vicinity of MOWD, except beneath the Ventura River channel. Although alluvium is mapped across much of the MOWD service area, it is underlain by Sespe Formation at a relatively shallow depth, except in the northernmost portion of the District where the Coldwater Formation and Cozy Dell Shale underlie the alluvium. The yield of wells screened in the Sespe Formation is typically less than one hundred gallons per minute (gpm). Therefore, the Sespe Formation is not considered suitable for meeting MOWD's water supply needs. Few wells have been completed in the Cozy Dell Shale. The water production potential of the Coldwater Formation is discussed later in this memorandum.

Along the western edge of the MOWD service area, the Ventura River has cut into the aforementioned bedrock units and deposited highly productive alluvium. Based on review of available well logs, the alluvium appears to generally thicken from north to south in the vicinity of MOWD. Alluvium exceeding 200 feet in thickness was reported on well logs for wells located near MOWD Well No. 4 and further south. The thickest reported alluvium is at MOWD Well No. 4, although it is noted that well logs for numerous wells in the study area were either not available or did not contain well construction information. Furthermore, most wells have been drilled away from the active river channel where the alluvium could potentially be thicker. Based on the available information, it does not appear that the thickness of the river alluvium is likely substantially greater at locations other than MOWD's existing wells, particularly MOWD Well No 4.



If additional or replacement alluvial wells are considered in the future, it is recommended that a surface geophysical survey be conducted to assist in siting the well because the available data suggest that the alluvium thickness is quite variable. Geophysical survey techniques, such as seismic refraction/reflection or direct current (DC) resistivity, would allow the District to obtain alluvium thickness profiles at a relatively low cost. This information would help the District identify the optimal well location where the alluvium is thickest.

# **Coldwater Formation Evaluation**

The purpose of this task was to evaluate the groundwater production potential of the Coldwater Formation in the vicinity of MOWD. This evaluation builds on prior work completed for the District in 2015. BGC reviewed the prior work completed for the District, readily available geologic references, and well logs for bedrock wells located along the base of the Santa Ynez and Topatopa Mountains from Meiners Oaks east through Ojai Valley and Upper Ojai Valley.

### Prior Coldwater Formation Evaluation for MOWD

In July 2015, Kear Groundwater gave a presentation to MOWD titled "Deep Groundwater Exploration: Targeting the Coldwater Sandstone." The presentation conclusions included the following:

- 1. The Coldwater Sandstone is a formation regionally targeted by public and private wells as a groundwater source;
- 2. The formation is highly variable in depth and outcrop elevation; and
- 3. The Coldwater Formation is most feasibly targeted at MOWD Well Nos. 1 and 2 where the outcrop is seen and can be shallowly accessed from MOWD-owned property.

The presentation recommendations were to collect bids from drillers to drill a test well and to monitor conditions. Subsequent to the presentation, Kear Groundwater provided construction guidelines for a new 8-inch diameter steel-cased well to be drilled to a depth of 1,200 feet (into the Coldwater Formation), with a design capacity of at least 200 gallons per minute. The proposed drilling method was air rotary, with conversion to mud rotary, as needed.

# **Geologic Setting**

The Coldwater Formation is a sedimentary formation of Eocene age that consists of predominately of a hard arkosic sandstone with siltstone and shale interbeds. The Coldwater Formation is cemented and, therefore, has low primary porosity and permeability. Most of the groundwater contained in the formation is exists in joints and fractures (a.k.a. secondary porosity). Bedding planes and siltstone/shale interbeds within the formation are less permeable than the sandstone, causing groundwater flow to be directed parallel to the bedding.

In the vicinity of MOWD, the Coldwater Formation is encountered within the Matilija Overturn, which is a prominent large fold in Tertiary-aged rocks, located at the base of the Santa Ynez and Topatopa Mountains from Meiners Oaks east through Ojai Valley and Upper Ojai Valley (see Figures 1 and 2). As shown in Figure 2, the formations that comprise the Matilija Overturn have



been folded such that they dip nearly vertically into the earth and, in some cases, are overturned (upside down) and dip to the north.

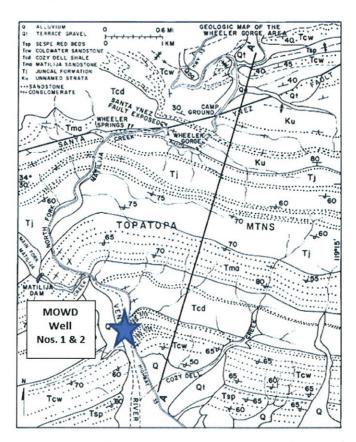


Figure 1. Matilija Overturn Cross Section Location Map<sup>1</sup>

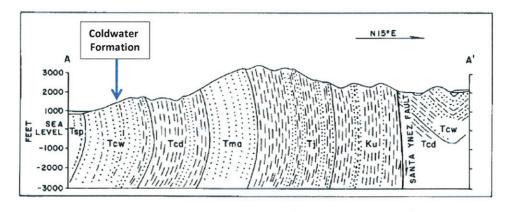


Figure 2. Cross Section through the Matilija Overturn<sup>2</sup>

<sup>&</sup>lt;sup>1</sup> Source: Dibble, T. W., et al. Sedimentology of Cretaceous strata in Wheeler Gorge, Ventura County, California, in Centennial Field Guide Volume 1, Cordilleran Section of the Geological Society of America.



In the vicinity of MOWD Well Nos. 1 and 2, the orientation of the Coldwater Formation is quite variable (Figure 3). As shown in Figure 3, the Coldwater Formation transitions from overturned and dipping to the north on the west side of the Ventura River to being oriented right-side-up and dipping steeply to the southeast on the east side of the Ventura River. This is a very abrupt change in orientation that seems unlikely to have occurred without also being accompanied by fracturing and faulting.

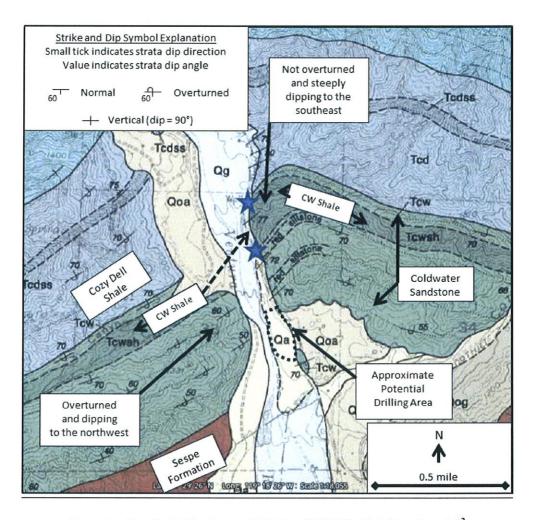


Figure 3. Geologic Map in the Vicinity of MOWD Well Nos. 1 and 2<sup>3</sup>
Blue stars indicate approximate location of MOWD Well Nos. 1 & 2. Note that the Coldwater Formation is overturned and dipping to the north on the west side of the Ventura River and right-side-up and dipping steeply to the southeast on the east side of the Ventura River.

<sup>&</sup>lt;sup>2</sup> Source: same as previous

<sup>&</sup>lt;sup>3</sup>Dibblee, T.W., and Ehrenspeck, H. E., ED: 1987. Geologic Map of the Matilija Quadrangle, Ventura County California. Dibblee Foundation Map DF-12. Accessed from <a href="https://ngmdb.usgs.gov/maps/mapview/">https://ngmdb.usgs.gov/maps/mapview/</a>, January 30, 2017.



Three additional lines of evidence suggest that the formation may be more heavily fractured and/or faulted in the vicinity of MOWD Well Nos. 1 and 2, as compared to other areas along the Matilija Overturn. First, it is noted that the abrupt change in orientation of the bedrock formations is coincident with the location of the Ventura River, which would tend to follow most easily erodible path<sup>4</sup>, all other factors equal. Second, Google Earth images suggest that hillside southeast of MOWD Well No. 2 may have a higher concentration sandstone boulders compared to other Coldwater Formation exposures in the region. A higher concentration of boulders would indicate that the Coldwater Formation may be more heavily jointed/fractured in this area. Lastly, it is noted that Kear Groundwater mapped a fault south of MOWD Well No. 2 in 2015. If the formation is indeed more highly fractured in this area, the groundwater production potential of the formation may be greater than is suggested by wells drilled into the Coldwater Formation in other areas along the Matilija Overturn.

# Potential Coldwater Formation Well Yields

Available well logs were obtained from Ventura County for bedrock wells located along the base of the Santa Ynez and Topatopa Mountains from Meiners Oaks east through Ojai Valley and Upper Ojai Valley.

The well locations were plotted on the geologic map and the well logs were reviewed to determine which formation the wells are completed in. Thirteen well locations with available logs were identified for wells completed in the Coldwater Formation. Eleven of these logs indicate the well yield. The reported yield of the eleven wells ranges from 20 to 220 gpm. The nearest Coldwater Formation well, located approximately ½ mile east-southeast of MOWD Well No. 2, is a 6-inch diameter irrigation well drilled to 550 feet below grade that reportedly yields 40 gpm. It is noted that well logs for a number of wells likely completed in the Coldwater Formation were not available from Ventura County.

Overall, the reported well yields indicate that the production potential of the Coldwater Formation in the vicinity of MOWD is relatively low (less than 220 gpm). However, it is noted that these wells are not located in the above-described area where the formation may be more highly fractured and, therefore, potentially more productive. It is also noted that many of the wells reviewed are small diameter domestic wells, which may bias the results to the low side.

Although a Coldwater Formation well drilled south of MOWD Well No. 2 may possibly achieve production capacity in excess of 200 gpm, the long-term yield of the well is a concern because the formation is exposed over only a relatively small surface area with steep terrain, which is not particularly conducive to groundwater recharge. If the goal of the well is to provide drought supplies, the long-term yield of the well may be less of a concern, as the Coldwater Formation would be allowed to recharge during wetter periods. An important source of recharge may be downward flow of groundwater from the overlying alluvium along the Ventura River channel.

<sup>&</sup>lt;sup>4</sup> Highly fractured rock is more easily weathered and erodible than less fractured rock, all other factors equal.

Bondy Groundwater Consulting, Inc. • 6



If the producing zones that supply the well are found to be materially connected to the alluvium, it may be necessary to assess the pumping influence on river flow.

# **Coldwater Formation Well Siting Considerations**

Should MOWD decide to pursue a Coldwater Formation well, selecting the best drill site possible will increase the chances for a productive well. Unfortunately, the areas immediately surrounding MOWD Well Nos. 1 and 2 are not ideal locations for targeting the main sandstone unit of Coldwater Formation. The following paragraphs describe anticipated subsurface conditions near MOWD Well Nos. 1 and 2 and an alternative recommended drilling area.

The MOWD Well No. 1 site is located near the contact of the Cody Dell Shale and the Coldwater Formation. The Coldwater Formation near MOWD Well No.1 consists of a thin sandstone bed overlain by a thicker shale unit (Figure 3). The bedrock units dip steeply to the southeast. A deep borehole drilled near MOWD Well No. 1 could encounter any of these units depending on the exact location and depth drilled. Shales are not a target zone for groundwater production. The sandstone bed may produce groundwater; however, targeting it could prove difficult because it is thin. Even if the sandstone bed is successfully targeted, the production capacity of this unit is expected to be less than the thicker section of sandstone located south of MOWD Well No. 2.

The MOWD Well No. 2 site is located near the contact of the shale unit and a siltstone unit of the Coldwater Formation (Figure 3). These bedrock units dip steeply to the southeast. A deep borehole drilled near MOWD Well No. 2 would likely encounter the shale unit to total depth, although it is possible that the borehole might intersect the previously described thin sandstone bed at depth. The shale unit is not a target zone for groundwater production. The sandstone bed may produce groundwater however, targeting it could prove difficult. Even if the sandstone bed is successfully targeted, the production capacity of this unit is expected to be less than the thicker section of sandstone located to the south.

A thicker section of sandstone is located south of MOWD Well No. 2 in the area indicated on Figure 3. Drilling in the indicated area would have a high probability of encountering sandstone and is located where the sandstone may be may be more heavily jointed/fractured, as discussed above. The indicated area is necessarily located toward the southern extent of the formation so as to minimize the risk of encountering the Coldwater siltstone units at depth. Geologic mapping should be performed before selecting a drill site. Unfortunately MOWD does not own property in this area and would need to secure an easement for a drilling site.



# **Coldwater Formation Drilling Considerations**

Should MOWD decide to pursue a Coldwater Formation well, it is recommended that MOWD drill a small diameter exploratory hole first to approximately 1,000 feet below grade using the dual-wall reverse circulation rotary method. This method allows for the continuous discrete sampling of the formation and groundwater and estimation of aquifer yield at various depths, which is not easily or cost-effectively accomplished via other drilling methods. The purpose of the exploratory hole would be to:

- 1. Estimate the yield of the Coldwater Sandstone at various depths where water-producing fractures are encountered;
- 2. Obtain representative groundwater samples at these same depths to assess water quality;
- Use the above information to assess whether it makes sense for MOWD to pursue a
  well. If MOWD decides to pursue the well, the above information would be used for
  design purposes.

The cost for an exploratory hole as described above is approximately \$50,000 plus geologist oversight and lab fees for water quality testing. This is compared to the cost of drilling a pilot hole for a well (estimated to be \$100,000 - \$150,000), which would provide less certain information concerning the production potential and water quality. Depending on the drilling rig used and size of the exploratory hole, it may be possible to use the exploratory hole as pilot hole for completion of a well (rig capabilities and tooling vary with drilling company).

The benefit of drilling an exploratory hole first is that it minimizes the project cost should it be determined that a well is not viable. If the exploratory hole results lead to a decision to construct a well, the data obtained from the exploratory hole will help minimize the well costs by ensuring that the well is drilled using the most cost-effective method possible and that it is not overdesigned in terms of diameter, depth, and materials. For example, the exploratory hole results may suggest that an open hole completion may be viable, which could result in savings in excess of the cost of the exploratory hole itself. The approach also minimizes risk for the District. For example, zones with poor quality water, if present, could be identified and avoided.



# **Conclusions and Recommendations**

### Alluvium

- 1. It does not appear that the thickness of the river alluvium is likely substantially greater at locations other than MOWD's existing wells, particularly MOWD Well No 4.
- 2. If additional or replacement alluvial wells are considered in the future, it is recommended that a surface geophysical survey be conducted to assist in siting the well because the available data suggest that the alluvium thickness is quite variable.

# **Coldwater Formation**

- Overall, reported well yields indicate that the production potential of the Coldwater
  Formation in the region is relatively low (less than 220 gpm). However, review of
  available information suggests that the formation may be more highly fractured in the
  vicinity of MOWD Well Nos. 1 and 2. Thus, it may be possible to achieve a well yield in
  excess of 200 gpm.
- 2. If MOWD, decides to pursue a Coldwater Formation well, the recommended location is south of MOWD Well No. 2 in the area indicated on Figure 3 where there is a high probability of encountering the thicker Coldwater Formation sandstone unit and a lower probability of encountering the mapped Coldwater Formation shale and siltstone units. Geologic mapping should be performed before selecting a drill site.
- 3. Although a Coldwater Formation well drilled south of MOWD Well No. 2 may possibly achieve production capacity in excess of 200 gpm, the long-term yield of the well is a concern because the formation is exposed over only a relatively small surface area with steep terrain, which is not particularly conducive to groundwater recharge. If the goal of the well is to provide drought supplies, the long-term yield of the well may be less of a concern, as the Coldwater Formation would be allowed to recharge during wetter periods.
- 4. If the producing zones that supply a Coldwater Formation well are found to be materially connected to the alluvium, it may be necessary to assess the pumping influence on river flow.
- 5. Should MOWD decide to pursue a Coldwater Formation well, it is recommended that MOWD drill a small diameter exploratory hole first to approximately 1,000 feet below grade using the dual-wall reverse circulation rotary method to assess the formation production potential and water quality.

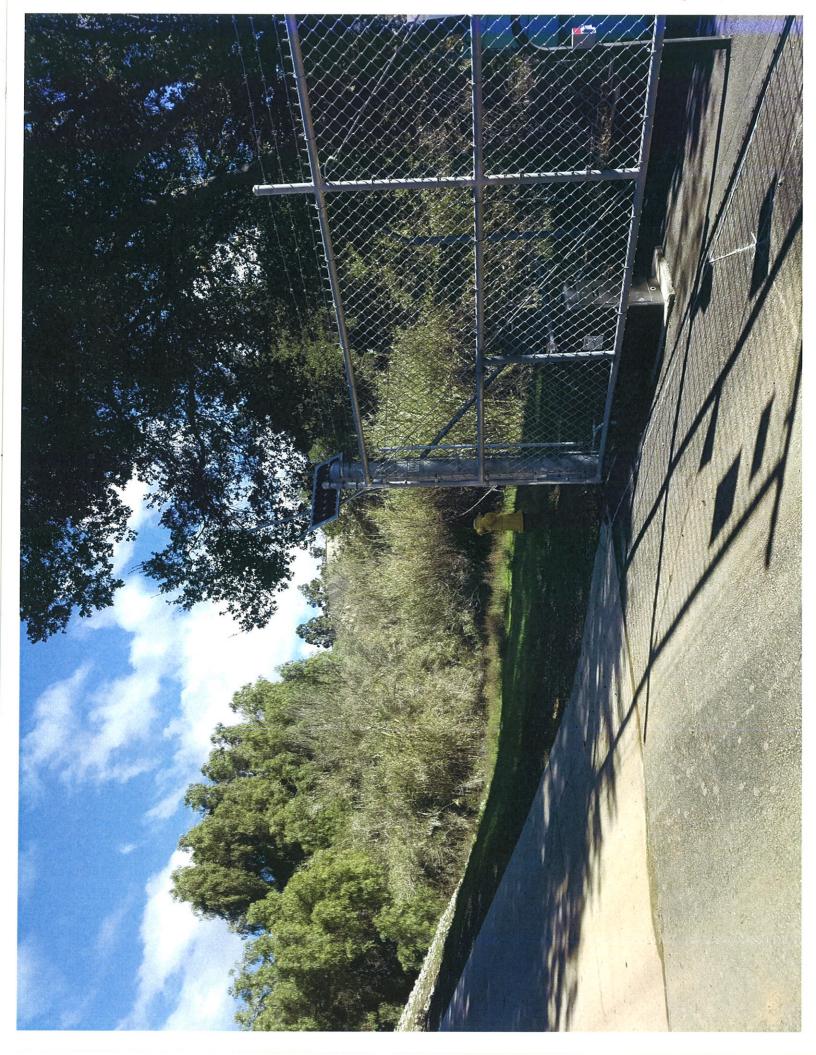


# Limitations

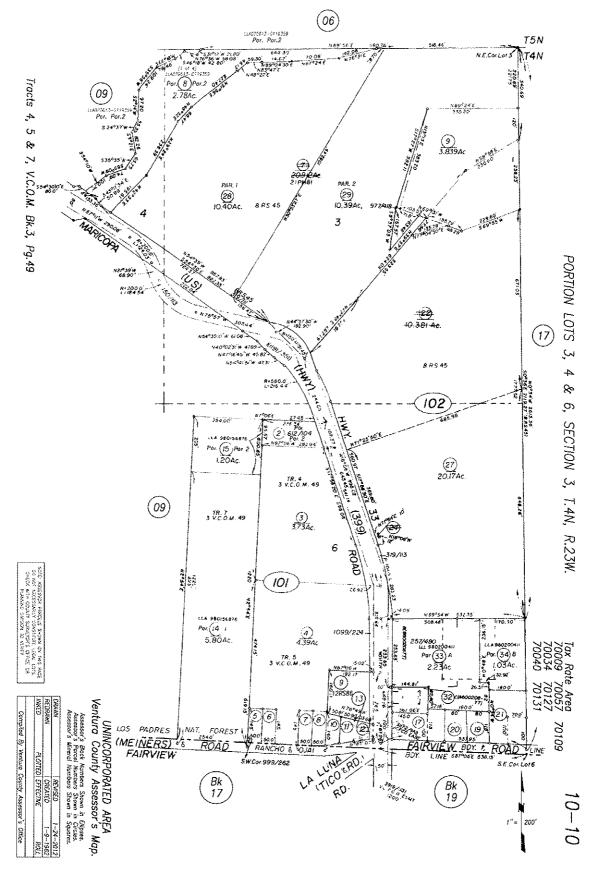
This memorandum was prepared by Bondy Groundwater Consulting, Inc. (BGC) for Meiners Oaks Water District. BGC has employed accepted geologic and hydrogeologic procedures and its opinions are made in accordance with generally accepted principles and practices of these professions. The analyses, conclusions, and recommendations contained in this report reflect BGC's best judgment in light of the information readily available to BGC at the time of preparation and experience with similar projects. All locations depicted and/or described in the report are approximate and are provided as general information only. Interpretations, location descriptions, location depictions, conclusions, and other information presented in this report should not be relied upon to site or design wells or any other infrastructure without field confirmation and are contingent upon BGC being retained to perform such confirmation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. BGC accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

# Closing

Please contact me if you have any questions regarding this memorandum. The opportunity to assist MOWD is greatly appreciated.







Roll-Year 12-13	<del></del> -	8K. 010 , PG. 10	REVIS	ION LOG		
DATE REFERENCE DOC.		EXPLANATION		VO®	RESIDUAL	NEW .
	Code	Description		A.P.N.(s)	A.P.N.(s)	A.P.N.(s)
1/24/12 110228-0034986	ina attor	LMCC 10-19 (70127)				