# FOX CANYON GROUNDWATER MANAGEMENT AGENCY



A STATE OF CALIFORNIA WATER AGENCY

**BOARD OF DIRECTORS** 

Eugene F. West, Chair, Director, Camrosa Water District David Borchard, Vice Chair, Farmer, Agricultural Representative

Steve Bennett, Supervisor, County of Ventura

Charlotte Craven, Councilperson, City of Camarillo Robert Eranio, Director, United Water Conservation District **EXECUTIVE OFFICER Jeff Pratt, P.E.** 

# **NOTICE OF MEETING**

NOTICE IS HEREBY GIVEN that the Fox Canyon Groundwater Management Agency (FCGMA) will hold an Operations Committee Special Meeting at 8:00 a.m. on Wednesday, July 25, 2018 in the Atlantic Conference Room, at the Ventura County Government Center, Hall of Administration, at 800 South Victoria Avenue, Ventura, California.

# FCGMA OPERATIONS COMMITTEE SPECIAL MEETING AGENDA

July 25, 2018

Members: Chair Steve Bennett

Co-Chair Robert Eranio

- A. Call to Order / Introductions
- **B.** Public Comments Audience members may speak about FCGMA-related matters not on today's Agenda.
- **C. Water Supply and Infrastructure Projects** Continued discussion from July 9, 2018, meeting regarding consideration of staff recommendations for selection of submitted projects for inclusion in the Groundwater Sustainability Plan model forecasting of sustainable yield.
- D. Adjourn Operations Committee Meeting

# **NOTICES**

The FCGMA Board strives to conduct accessible, orderly, and fair meetings where everyone can be heard on the issues. The Board Chair will conduct the meeting and establish appropriate rules and time limitations for each item. The Board can only act on items designated as Action Items. Action items on the agenda are staff proposals and may be modified by the Board as a result of public comment or Board member input. Additional information about Board meeting procedures is included after the last agenda item.

<u>Administrative Record</u>: Material presented as part of testimony will be made part of the Agency's record, and 10 copies should be left with the Board Clerk. This includes any photographs, slides, charts, diagrams, etc.

<u>ADA Accommodations</u>: Persons who require accommodation for any audio, visual, or other disability in order to review an agenda or to participate in the Board of Directors meeting per the Americans with Disabilities Act (ADA), may request such accommodation in writing addressed to the Clerk of the FCGMA Board, 800 South Victoria Avenue, Location #1610, Ventura, CA 93009-1610, or via telephone by calling (805) 654-2014. Any such request should be made at least 48 hours prior to the meeting so staff can make the necessary arrangements.

Availability of Complete Agenda Package: A copy of the complete agenda package is available for examination at the FCGMA office during regular working hours (8:00 a.m. to 5:00 p.m. Monday through Friday) beginning five days

FCGMA Operations Committee Special Meeting Agenda July 25, 2018 Page 2 of 2

the Clerk of the Board at (805) 654-2014.

before the Board meeting. Agenda packet contents are also posted on the FCGMA website as soon as possible, and left there for archival retrieval in case reference is needed on previously considered matters. Questions about specific items on the agenda should be directed to the Agency's Executive Officer.

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<u>Continuance of Items</u>: The Board will endeavor to consider all matters listed on this agenda. However, time may not allow the Board to hear all matters listed. Matters not heard at this meeting may be carried over to the next Board meeting or to a future Board meeting. Participating individuals or parties will be notified of the rescheduling of their item prior to the meeting. Please contact the FCGMA staff to find out about rescheduled items.

<u>Electronic Information and Updates</u>: Visit (for home page information) or Facebook (for meeting updates). Information available online includes the Board's meeting schedule, a list of the Board members and staff, weather station data, general information, and various Agency forms. If you would like to speak to a staff member, please contact

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# **MINUTES**

Minutes of the Fox Canyon Groundwater Management Agency's (FCGMA) Operations Committee meeting held **Monday**, **July 09**, **2018 at 2:00 p.m.** in the Pacific Conference Room at the Ventura County Government Center, Hall of Justice, 800 South Victoria Avenue, Ventura California.

Members: Chair Steve Bennett

Vice Chair Robert Eranio

# A. Call to Order

Chair Bennett called the meeting to order at 2:05 p.m.

In attendance were: (1) Steve Bennett, Operations Committee Chair; (2) Robert Eranio, Operations Committee Vice Chair; (3) Arne Anselm, Ventura County Watershed Protection District (WPD), Deputy Director; (4) Kim Loeb, Groundwater Manager; (5) Kathleen Riedel, Groundwater Specialist.

### Comments were made by:

(6) Susan Pan, Ventura County Water Works District (VCWWD); (7) Matthew Fienup, California Lutheran University (CLU); (8) Bryan Bondy, Calleguas Municipal Water District (CMWD); (9) John Lindquist, United Water Conservation District (UWCD); (10) Curtis Hopkins, Hopkins Groundwater Consultants (HGC).

### B. Public Comments

There were no public comments.

# C. Approval of Minutes

Vice Chair Eranio made a motion to approve the minutes. Chair Bennett seconded the motion, and the motion was approved.

# D. Agenda Review

There were no changes made to the agenda.

# E. NRCS Grant Implementation Update

Arne Anselm gave a quick update. He said that the workshop held last month was well attended with over 50 attendees. He said that a mailer went out and that the applications submitted were up to about 275 with 240 eligible. He said about 100 of those indicated that they were interested in the water market.

Mr. Anselm said that the number of applications is plateauing and that the number of active agricultural wells that were eligible for the grant is not as high as originally thought, so that there is over 50% saturation at this point.

Matthew Fienup stated that it would be nice to have an update on installations. Mr. Anselm said that they have taken possession of the 300 units ordered and they are able to install 10-15 per week, but he didn't have a current number that have already been installed.

# F. Water Supply and Infrastructure Projects

Kim Loeb presented a PowerPoint presentation that identified the projects for the Groundwater Sustainability plans. He went over the criteria for the projects.

Mr. Loeb said that they received 19 project submittals. He said that they went before the Technical Advisory Group for technical review last week.

Mr. Loeb presented a review of all the projects one-by-one.

The Committee discussed the different components of the projects including the increase of sustainable yield and the funding mechanism.

Mr. Lindquist stated that UWCD would be willing to present the Freeman Expansion Project to the Board.

Mr. Loeb said that he would take the provided feedback and simplify the chart presented with what needs to be done for the projects and gue up the policy discussion.

Chair Bennett suggested taking another look at it before it goes before the whole Board.

A special Operations Committee meeting was scheduled for July 25, 2020.

# H. Adjourn Operations Committee Meeting

Chair Bennett adjourned the Operations Committee meeting at 3:43 p.m.

# Future GSP Projects General Policy Issues

# Replenishment Fee

Should the GSPs include projects that rely on replenishment fees? If so, how much replenishment fee funds should be budgeted per basin?

- Many of the proposed projects rely upon a potential future FCGMA replenishment fee.
- The GSP regulations require a "description of how the Agency plans to meet those costs" which would allow projection of a future replenishment fee.
- Inclusion of the projects in the GSP would not be a commitment to fund those projects with a replenishment fee, the project mix could be updated in a GSP update once replenishment fees are enacted.

Recommendation: Include projects that rely on replenishment fees if they meet all other requirements. Base total amount of replenishment fee per basin on Board assumption of a per-AF fee.

#### **Allocation Purchases**

Should the GSPs include projects where the FCGMA makes short- and long-term purchases of pumping allocation?

- Several projects propose short- and long-term purchases of pumping allocation.
- These include purchase of imported water for in-lieu deliveries to pumpers and temporary land fallowing.

Recommendation: Consider purchases of pumping allocation in strategic areas such as the seawater intrusion area to reduce demand / increase basin sustainable yield. Temporary land fallowing and imported water purchases are each considered below.

# **Temporary Land Fallowing**

Should the GSPs include projects where the FCGMA purchases allocation on a temporary basis to fallow land and reduce pumping? If so:

- Where should land be fallowed?
- How long should land be fallowed?
- How much land should be fallowed?

Recommendation: Consider temporary land fallowing in targeted areas and aquifer systems based on reducing undesirable results. Consider 1- to 3-year agreements with requirement to maintain a low-water use cover crop to minimize dust.

# **Imported Water Purchases**

Should the GSPs include projects where the FCGMA enters into agreements to purchase imported water to be delivered to specific pumpers in lieu of pumping? If so:

- Where should imported water be delivered (within Calleguas MWD service area)?
- How much imported water/allocation should be purchased?
- How long should the agreements be?

Recommendation: Consider targeted areas based on undesirable results and aquifer system.

# **Arroyo Las Posas Water Purchase**

Should the GSP include a project in which the FCGMA enters into a long-term agreement with the City of Simi to assure continued discharge of WWTP effluent into the Arroyo Las Posas to recharge the East Las Posas Valley Management Area?

Recommendation: Consider purchasing treated water with water quality that meets RWQCB Basin Plan Objectives.

Policy Issues											Staff evaluation of impact on Sustainability Indicators / Undesirable Results											
DRAFT Projects by Basin	Sponsoring Agency	IN HELICULE SPECIFIC REPORT AND THE PROPERTY OF THE PROPERTY OF PROPERTY OF THE PROPERTY OF TH									And the separate of the service of t						Louering of Groundwater Excelede Maker Challed India of the Condition of Groundwater Challed Maker Challed India of the Condition of Groundwater Challed Maker Challed India of the Condition of Groundwater Challed Maker Challed India of the Condition of Groundwater Challed India of the Condition of Condi					
Las Posas Valley Basin	The second second				1 - 5 - 7 - 7				, ,		7 0		1			<b>Y Y</b>	T -	T -	Ť	T		
Purchase of Imported Water from Calleguas Municipal Water District (CMWD) for Basin Replenishment	CMWD .	In-lieu	Import	In-lieu	ws	Imported Water	No limit most years		No limit most years			Part of CMWD rate	Depends on quantity (\$1,528 per AF (2018))	Replenishment Fee	+	+	NA	=/+?	+	+	Only available to big water systems / suppliers within CMWD annex area. Tier 2 rate will apply if Tier 1 volume is exceeded.	
Arroyo Las Posas Arundo Removal	The Nature Conservancy (TNC)	Recharge			ws	Avoided Evapotranspiration (ET)	Up to 2,680 AFY		up to 2,680			\$7.4 million (\$300 per AF over 25 yrs)	approx. \$200 per AF	FCGMA and Habitat Grants	+	+	NA	+	+	+	Estimates of arundo evapotranspiration rates vary widely.	
Arroyo Las Posas Water Acquisition	The Nature Conservancy ("May be more appropriate to co-sponsor with the FCGMA")	Recharge	Surface water/ Imported		ws	Avoid loss of inflow to basin	Approx. 500 to 2,000 AFY (3,000 AFY minus 1,000 to 2,500 AFY of ET losses)		approx. 8,000			\$0	To be negotiated	FCGMA and Habitat Grants	+	+	NA		+	+	Simi has a minimum discharge requirement. Volumes are based on water in excess of minimum required discharge. Care must be taken not to double count minimum required discharge when evaluating Sustainable Yield.	
Oxnard Subbasin												1000000					PERM					
Projects related to the GREAT Program																						
GREAT Program Advanced Water Purification Facility (AWPF)	City of Oxnard	In-lieu and/ or recharge	Advanced treated water	In-lieu	ws	New recycled water	4,600 AFY current facility and an additional 6,000 AFY for facility expansion. Increase in SY is that volume used to	av	4,600 vailable for SY	Yes <sup>1</sup>	Yes	\$90 to \$100 million	\$8 million (\$300 per AF)	City Bonds /Federal Grants	+	+	+	+	+	NA	Treated wastewater for irrigation. Agricultural users that receive treated water and document that it replaced groundwater extraction generate credits for the City to pump groundwater to replace water delivered.	
GREAT Program AWPF Expansion	City of Oxnard	In-lieu	Advanced treated water	In-lieu	ws	New recycled water	recharge the groundwater basin including replaced groundwater usage which did not exceed allocation and pumpback credits were not issued.	av	6,000 vailable for SY	Yes <sup>1</sup>	?	TBD	TBD	TBD	+	+	+	+	+	NA		
Riverpark-Saticoy GRRP Recycled Water Project	United Water Conservation District (UWCD)	Recharge	Advanced treated water		Infrastruc. 8 WS	New recycled water	[This volume is included in AWPF annual increase to SY]		5,000+ from AWPF			\$6.4 million (approx. \$30 per AF)	\$5 to 7.5 million (approx. \$1,000 to 1,500 per AF)	UWCD Zone B or FCGMA	+	+	+	+	+	NA	Recharge City of Oxnard's recycled AWPF water in UWCD's Saticoy basins	
Other Projects												-										
Freeman Expansion Project	UWCD	In-lieu and/ or recharge	Surface water	In-lieu	ws	Santa Clara River <sup>2</sup>	2,000 to 3,000 AFY (not an increase - avoided loss of diversion capacity)	7	7,400			\$31 million (\$4189 per AFY)	\$700,000 (\$95 per AF)	Rate Payers, Grants	+	+	+	+	+	NA	Avoid loss of water supply.	
Temporary Agricultural Land Fallowing Project	Oxnard/ PV Ag Owners, Inc.	Recharge	Allocation	Fallowing	MA	Avoid pumping	[Management action to decrease pumping relative to current conditions]	mo	TBD- odeling eeded			\$0	\$1,200 to \$1,800 per AF	Replenishment Fee	+	+	+	=	+	NA	Demand Reduction. Project parameters need to be identified for modeling.	
Pleasant Valley Basin					File Street				Mary 19	was Kr				RESIDENCE SERVICE		Name of	Proper	EM SM			中国19年1月19日12月20日 1月2日1日日本第二年1月1日日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本	
Temporary Agricultural Land Fallowing Project	Oxnard/ PV Ag Owners, Inc.	Recharge	Allocation	Fallowing	MA	Avoid pumping	[Management action to decrease pumping relative to		TBD- odeling			\$0	\$1,200 to \$1,800 per	Replenishment	+	+	NA	=	+	NA	Demand Reduction. Project parameters need to be identified for modeling.	

Notes:
1. Amount available to non-City users is to be determined.

2. Avoided loss of Santa Clara River diversion capacity.

Technical Advisory Group and staff analysis

TBD = To be determined NA = Not Applicable

WQ= Water Quality

WS= Water Supply

Infrastruc.= Infrastructure

MA= Management Action

+ Positive Impact
- Negative Impact
+ I - ?
Possible positive or negative impact. To be determined
Insufficient information. Impact not determined
No Impact
Not Applicable



#### Notes

- 1. Amount available to non-district users is to be determined.
- 2. Two submitted projects combined as requested by UWCD

TAG representative.

Pleasant Valley Basin

To be determined
Not Applicable
Water Quality
Water Supply
Infrastructure
Management Action

Technical Advisory Group and staff analysis

+ Positive Impact

- Negative Impact

+ / - ? Possible positive or negative impact. To be determined

? Insufficient information. Impact not determined

No Impact
No Applicable